



**NORTH AMERICAN ENERGY STANDARDS BOARD**

801 Travis, Suite 1675 • Houston, Texas 77002 • Phone: (713) 356-0060 • Fax: (713) 356-0067  
email: naesb@naesb.org • Web Site Address: www.naesb.org

---

September 29, 2014  
Filed Electronically

The Honorable Kimberly D. Bose  
Secretary  
Federal Energy Regulatory Commission  
888 First Street N.E., Room 1A  
Washington, D.C. 20426

RE: Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (Docket No. RM14-2-000)

Dear Ms. Bose:

The North American Energy Standards Board ("NAESB") voluntarily submits this report to the Federal Energy Regulatory Commission ("FERC" or "Commission") in response to the Notice of Proposed Rulemaking ("NOPR") on *Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities* issued on March 20, 2014.<sup>1</sup> The purpose of this report is to inform the Commission of the modifications to the NAESB Wholesale Gas Quadrant (WGQ) Business Practice Standards specific to the NOPR. The modifications were identified at the direction of the NAESB Board of Directors, and are responsive to the Commission's request to develop an alternative to the Commission's proposal in the NOPR. The modified NAESB WGQ Business Practice Standards propose revisions to the nomination timeline that result in three intra-day nomination cycles in addition to the timely and evening nomination cycles. The nomination cycles are not dependent upon a specific start time to the gas day and are implementable with whichever time the Commission chooses as a start of the gas day.

Respectfully submitted,

*Rae McQuade*

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

cc with enclosures: Chairman Cheryl LaFleur, Federal Energy Regulatory Commission  
Commissioner Tony Clark, Federal Energy Regulatory Commission  
Commissioner Philip D. Moeller, Federal Energy Regulatory Commission  
Commissioner Norman C. Bay, Federal Energy Regulatory Commission  
  
Mr. Michael Bardee, Office of Electric Reliability, Federal Energy Regulatory Commission  
Mr. Michael McLaughlin, Director, Office of Energy Market Regulation, Federal Energy Regulatory Commission  
Mr. David Morenoff, General Counsel of the Commission, Federal Energy Regulatory Commission  
Ms. Jamie L. Simler, Director, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

---

<sup>1</sup> *Coordination of the Scheduling Processes of Interstate Natural Gas Pipelines and Public Utilities*, Notice of Proposed Rulemaking, 146 FERC ¶ 61, 201 (March 20, 2014) (NOPR).



## **NORTH AMERICAN ENERGY STANDARDS BOARD**

801 Travis, Suite 1675 • Houston, Texas 77002 • **Phone:** (713) 356-0060 • **Fax:** (713) 356-0067  
**email:** naesb@naesb.org • **Web Site Address:** www.naesb.org

---

September 29, 2014  
Page 2

Ms. Valerie Crockett, Chairman and CEO, North American Energy Standards Board  
Mr. Michael Desselle, Vice Chairman, North American Energy Standards Board  
Mr. William P. Boswell, General Counsel, North American Energy Standards Board  
Mr. Jonathan Booe, Vice President, North American Energy Standards Board  
Dr. Susan Tierney, Analysis Group, Inc.

Enclosures (all documents and links are available publically on the NAESB website – [www.naesb.org](http://www.naesb.org)) :

- Appendix A List of Gas-Electric Harmonization Forum Participants
- Appendix B Links to Meeting Minutes, Presentations, Work Papers and Voting Records
- Appendix C Links to Executive Committee Minutes, Comments and Voting Record Links
- Appendix D Ratification Ballot and Ratification Results
- Appendix E NAESB Triage of Requests
- Appendix F List of Available Transcripts
- Appendix G Minor Corrections
- Appendix H Timeline of Activities
- Appendix I NAESB WGQ Annual Plan
- Appendix J NAESB Retail Annual Plan

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

**Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities ) Docket No. RM 14-2-000**

The North American Energy Standards Board ("NAESB") is voluntarily submitting this report with regard to the Federal Energy Regulatory Commission's ("FERC" or "Commission") March 20, 2014 "Coordination of the Scheduling Processes of Interstate Natural Gas Pipelines and Public Utilities Notice of Proposed Rulemaking ("NOPR")" (Docket No. RM-14-2-000).<sup>1</sup> In the NOPR, the Commission proposed specific revisions to the start of the gas day and the existing intraday nomination cycles. The Commission also provided the natural gas and electric industries, working through NAESB, 180 days to reach a consensus on an alternative proposal and to file any standards reflecting the alternative proposal.<sup>2</sup> This report is intended to supplement the NAESB status report to FERC filed with the Commission on June 18, 2014<sup>3</sup> and contains the revisions to the NAESB Wholesale Gas Quadrant ("WGQ") Business Practice Standards developed in response to direction from the NAESB Board of Directors on June 4, 2014. The NAESB membership approved the standards to support the coordination of the gas and electric scheduling process on September 22, 2014 as 2014 WGQ Annual Plan Item 11. The modifications adopted through this effort were applied to Version 2.1 of the WGQ Business Practice Standards filed with the Commission on July 23, 2013.<sup>4</sup>

**Actions of NAESB in Response to the NOPR**

NAESB Board of Director and Gas Electric Harmonization Forum Activities

In response to the direction provided in the NOPR, Mr. Desselle, Chairman of the NAESB Board of Directors, reactivated the NAESB Board Gas Electric Harmonization ("GEH") Committee. After an initial meeting, the committee recommended the formation of the GEH Forum to ensure the maximum industry participation in the process to identify and potentially reach consensus on an alternative proposal. The NAESB Board of Directors determined that the threshold for consensus during the GEH Forum would mirror NAESB super majority voting, which requires 67% support from each quadrant and 40% support from each segment of the quadrant. Over the

<sup>1</sup> *Coordination of the Scheduling Processes of Interstate Natural Gas Pipelines and Public Utilities*, Notice of Proposed Rulemaking, 146 FERC ¶ 61, 201 (March 20, 2014) (NOPR).

<sup>2</sup> Id. at ¶ 10.

<sup>3</sup> The June 18, 2014 NAESB Report to FERC in response to the NOPR can be found through the following hyperlink: [https://naesb.org/pdf4/ferc061814\\_naesb\\_geh\\_report\\_nopr032014.pdf](https://naesb.org/pdf4/ferc061814_naesb_geh_report_nopr032014.pdf)

<sup>4</sup> While these standards are complete, the NAESB WGQ also intends to continue its ongoing standardization efforts and to integrate these final gas and electric standards with other standards being finalized. The NAESB WGQ intends to publish and submit a new version of these standards, Version 3.0, that will be published and submitted to the Commission in November 2014.

course of four, two-day meetings, the forum participants considered thirteen proposals, and out of the discussions and voting, reduced them to four proposals which were considered by the forum during its final meeting on June 2-3, 2014. Each of the meetings were attended by approximately 100 participants in person and approximately 200 participants by phone and web cast. The four final proposals considered during the last meeting of the forum contained identical nomination timelines but differing start times for the gas day. Despite forum participants casting over 13,000 votes on 56 different motions, no single proposal gained the supermajority support required of both quadrants to reach consensus on a single proposal. While none of the proposals which included a specified time for the start of the gas day attained consensus of the entire forum, consensus was reached by the individual quadrants depending on the gas day start time included in the proposals. However, when a proposal inclusive of only the nomination timeline and excluding a start time for the gas day was considered, consensus as defined by the Board of Directors could not be reached.

The results of the forum meetings, including all minority positions that were included in the June 18, 2014 status report to the Commission,<sup>5</sup> were presented to the NAESB Board of Directors on June 4, 2014, to identify any next steps that should be taken by the organization in response to the NOPR. While the board members acknowledged that consensus had not been reached on a complete alternative proposal, they did recognize that there was broad support from both the natural gas and electric market participants for uniform changes to the intraday scheduling cycles and day-ahead nomination cycles. As a result of this commonality, the NAESB Board of Directors instructed the NAESB WGQ Executive Committee (“EC”) to develop standards to reflect the revisions described in the final proposal considered by the GEH Forum while remaining silent on the start of the gas day.<sup>6</sup> The direction from NAESB Board of Directors was incorporated into the NAESB WGQ 2014 Annual Plan.<sup>7</sup>

#### Standards Development

Based on the action of the NAESB Board of Directors, the NAESB WGQ Business Practices Subcommittee (“BPS”) convened a meeting on June 5, 2014 to begin discussions on a recommendation to support the annual plan item. The NAESB WGQ BPS held robust discussions over the course of two months during four, two-and-a-half-hour conference calls to develop a recommendation proposing modifications to the NAESB WGQ Business Practice Standards consistent with the Board’s direction. Once the recommendation of the NAESB WGQ BPS was complete, the NAESB WGQ Joint Information Requirements/Technical (“IR/Technical”) Subcommittees began work on a companion recommendation proposing modifications to the Business Documentation and Implementation Guides as part of the NAESB full-staffing process.<sup>8</sup> The NAESB WGQ Joint IR/Technical

---

<sup>5</sup> See footnote 3

<sup>6</sup> The June 4, 2014 NAESB Board of Directors meeting minutes are available through the following link: <https://naesb.org/pdf4/bd060414fm.docx>

<sup>7</sup> The NAESB WGQ 2014 Annual Plan as approved by the Board of Directors on June 4, 2014 is available through the following hyperlink: <https://www.naesb.org/pdf4/bd060414a1.docx>

<sup>8</sup> A description of the NAESB Full Staffing Process can be found through the following hyperlink: [https://www.naesb.org/misc/Full\\_Staffing\\_Description.docx](https://www.naesb.org/misc/Full_Staffing_Description.docx)

Subcommittees held two, three-day meetings in an effort to develop the recommendation. The recommendations were jointly submitted for a thirty-day, formal industry comment period on July 18, 2014.<sup>9</sup> The NAESB office received fourteen sets of comments submitted by the following entities: Spectra Energy Corporation, Manitoba Hydro, the American Gas Association, Ameren Services Company, Duke Energy, ACES Power, joint parties on behalf of the Desert Southwest Pipeline Stakeholders, the Natural Gas Supply Association, the Independent System Operator/Regional Transmission Operator (ISO/RTO) Council, the Interstate Natural Gas Association of America, Southwest Power Pool, Kinetica Partners LLC, Macquarie Energy LLC, Williams Gas, and Xcel Energy Services, Inc. The comments can be found in Appendix C of this report.

On August 21, 2014, the NAESB WGQ EC met to review the recommendations and the accompanying formal comments. During the meeting, the NAESB WGQ EC further modified the recommendations consistent with the proposed revisions submitted by Williams Gas Pipeline and Macquarie Energy LLC during the formal comment period. The NAESB WGQ EC approved by a super majority vote both recommendations of the subcommittees as revised during the meeting.<sup>10</sup> The NAESB WGQ membership ratified the recommendations on September 22, 2014.<sup>11</sup>

In total, there are modifications to twenty-three NAESB WGQ Business Practice Standards: the NAESB WGQ Nomination Related Standard Nos. 1.1.18, 1.2.4, 1.3.1, 1.3.2, 1.3.3, 1.3.4, 1.3.13, 1.3.14, 1.3.41, 1.3.42, 1.3.51, and 1.3.80, the NAESB WGQ Flowing Gas Related Standard Nos. 2.2.5, 2.3.5, and 2.3.21, the NAESB WGQ Quadrant Electronic Delivery Mechanism Related Standard No. 4.3.90, and the NAESB WGQ Capacity Release Related Standard Nos. 5.3.2, 5.3.44, 5.3.45, 5.3.48, 5.3.49, 5.3.53, and 5.3.54. Pursuant to the direction given by the NAESB Board of Directors, the NAESB WGQ Business Practice Standards are silent as to a start time of the gas day. Accordingly, references to the specific start time of the gas day in NAESB WGQ Standard No. 1.3.1 have been removed and replaced by the placeholder: [?]. Likewise, NAESB WGQ Standard No. 1.3.41 was revised to contain a generic reference to the start time of the gas day. Should the Commission identify a specific start time of the gas day, NAESB will revise the language of the NAESB WGQ Business Practice Standards as necessary.

---

<sup>9</sup>The recommendations can be found through the following hyperlinks:  
[https://www.naesb.org/member\\_login\\_check.asp?doc=wgq\\_2014\\_ap11c\\_rec\\_part1\\_071714.doc](https://www.naesb.org/member_login_check.asp?doc=wgq_2014_ap11c_rec_part1_071714.doc) (Part 1);  
[https://www.naesb.org/member\\_login\\_check.asp?doc=wgq\\_2014\\_ap11c\\_rec\\_part2\\_071714.docx](https://www.naesb.org/member_login_check.asp?doc=wgq_2014_ap11c_rec_part2_071714.docx) (Part 2).

<sup>10</sup> The minutes from the WGQ EC meeting can be found through the following hyperlink:  
[https://www.naesb.org/pdf4/wgq\\_ec082114dm.docx](https://www.naesb.org/pdf4/wgq_ec082114dm.docx)

<sup>11</sup> The ratification ballot and results can be found through the following hyperlink:  
[https://www.naesb.org/member\\_login\\_check.asp?doc=wgq\\_rat082214ballot.doc](https://www.naesb.org/member_login_check.asp?doc=wgq_rat082214ballot.doc)

Consistent with the instructions given to the WGQ by the NAESB Board of Directors, the majority of the modifications reflect revisions to the current NAESB WGQ Business Practice Standards that allow for three intraday nomination cycles instead of the two intraday nomination cycles the industry currently included in the standards. Specifically, the modifications to NAESB WGQ Standard No. 1.3.2 revise the nomination cycle in the following manner:

- on the day prior to gas flow, the Timely Nomination Cycle now begins at 1:00 P.M. Central Clock Time and concludes at 5:00 P.M. Central Clock Time with scheduled quantities resulting from this cycle becoming effective at the start of the next gas day;
- the start of the Evening Nomination Cycle remains 6:00 P.M. Central Clock Time but now concludes at 9:00 P.M. Central Clock Time with scheduled quantities resulting from this cycle becoming effective at the start of the next gas day;
- the start of the Intraday 1 Nomination Cycle remains 10:00 A.M. Central Clock Time but now concludes at 1:00 P.M. Central Clock Time with scheduled quantities resulting from this cycle becoming effective at 2:00 P.M. Central on the current gas day;
- the start of the Intraday 2 Nomination Cycle now begins at 2:30 P.M. Central Clock Time and concludes at 5:30 P.M. Central Clock Time with scheduled quantities resulting from this cycle becoming effective at 6:00 P.M. Central Clock Time on the current gas day;
- the new Intraday 3 Nomination Cycle will begin at 7:00 P.M. Central Clock time and conclude at 10:00 P.M. Central Clock Time with scheduled quantities becoming effective at 10:00 P.M. Central Clock Time on the current gas day.
- Under the revisions to the nomination cycle, bumping will now be allowed during the Intraday 2 Nomination Cycle in addition to the Evening Nomination Cycle and the Intraday 1 Nomination Cycle.
- The nomination cycle timeline is not dependent upon a certain start time to the gas day.

Additional changes related to the alteration of the nomination cycle include revisions to NAESB WGQ Standard Nos. 1.3.41, 5.3.2, and 5.3.44 to be consistent with the new nomination cycle and reflect the inclusion of a third intraday nomination cycle. The revisions to the remaining NAESB WGQ Business Practice Standards are non-substantive in nature and include capitalization corrections, the removal of redundant references to Central Clock Time, and modifications for clarity and/or consistency with other NAESB WGQ Business Practice Standards.

The revisions to the technical documentation reflect the revisions to the nomination cycle and conform with the non-substantive changes made to the language of the NAESB WGQ Business Practice Standards. There are modifications to data elements, code values, technical implementation guides, sample papers, ANSI ASC X12 mapping, and EDI X12 mapping guidelines for numerous data sets contained within the technical documentation of the NAESB WGQ Additional Standards, the NAESB WGQ Nomination Related Standards, the NAESB WGQ

Flowing Gas Related Standards, and the NAESB WGQ Capacity Release Related Standards. Consistent with the NAESB WGQ Business Practice Standards, the technical implementation is also silent as to a specific start time of the gas day. If the Commission establishes a specific start time of the gas day, NAESB will revise the technical implementation of the NAESB WGQ Business Practice Standards accordingly.

On September 2, 2014, subsequent to the action taken by the NAESB WGQ EC to approve the recommendation on the revisions to the technical documentation, Minor Correction Request MC14018 was submitted to NAESB.<sup>12</sup> The minor correction proposes non-substantive revisions to the X12 Implementation Guides and Business Process Documentation related to the start of the gas day. The NAESB WGQ EC approved a recommendation on the minor correction via notational ballot on September 10, 2014. Per the NAESB Minor Correction Process, the recommendation was submitted for a two week formal industry comment period that concluded on September 25, 2014. As no industry comments were received by NAESB, the minor correction has been incorporated into the standards included as an attachment to this filing.

### **Other Actions by NAESB**

#### Activity Applicable to the Wholesale Gas Quadrant

Following the conclusion of the activity of the NAESB GEH Forum, the NAESB office received the submittal of two requests for standards development proposing revisions to the NAESB WGQ Business Practice Standards related to the gas-electric harmonization activities that are the subject of the current NOPR issued by the Commission on this matter. The first request, NAESB Standards Request No. R14005, was submitted by Skipping Stone on June 11, 2014.<sup>13</sup> In the request, Skipping Stone indicated that the proposed revisions to the nomination standards may negatively impact the NAESB Capacity Release Related Standards, and that modifications to NAESB WGQ Standard No. 5.3.2 (the capacity release timeline) would provide shippers with greater access to next day capacity and better coordinate capacity release and nomination processes. Rather than evaluate the request separately, Skipping Stone representatives participated in the NAESB WGQ BPS standards development efforts and addressed their concerns through the subcommittee process. Upon the completion of the entire recommendation by the NAESB WGQ BPS, Skipping Stone requested that NAESB hold Request No. R14005 pending action on the proposed standards by the Commission. If the modifications to NAESB WGQ Standard No. 5.3.2 are supported by the Commission, Skipping Stone intends to withdraw the request.

On August 1, 2014, the NAESB office received a second request, NAESB Standards Request No. R14007, submitted jointly by Arizona Public Service Company, Salt River Project Agricultural Improvement and Power District, UNS Gas, Inc./Tucson Electric Power Company, Public Service Company of New Mexico, and Arizona

---

<sup>12</sup> NAESB Minor Correction Request MC14018 is available at the following link:  
[https://naesb.org/member\\_login\\_check.asp?doc=wgq\\_mc14018.docx](https://naesb.org/member_login_check.asp?doc=wgq_mc14018.docx)

<sup>13</sup> NAESB Standards Request R14005 is available through the following link:  
[https://naesb.org/member\\_login\\_check.asp?doc=r14005.doc](https://naesb.org/member_login_check.asp?doc=r14005.doc)

Corporation Commission.<sup>14</sup> The request seeks revisions to NAESB WGQ Standard No. 1.3.39 to allow Transportation Service Providers to bump during the Intraday 3 Nomination Cycle, provided the Transportation Service Provider offers a subsequent no-bump nomination cycle. The requesters propose that these modifications are consistent with proposed revisions to the Commission's policy contained within the NOPR and indicate that the revisions would provide flexibility to the nomination cycle to accommodate regional scheduling issues. A proposed triage disposition was distributed on August 5, 2014, and in response, the NAESB office received comments from the American Gas Association and the NAESB WGQ Pipeline Board of Directors and EC representatives questioning the appropriateness of the request. Per the NAESB process, a meeting of the NAESB Triage Subcommittee was held on September 5, 2014 via conference call, and the subcommittee voted by the required simple majority to find the request within the scope of NAESB and assign the request to the WGQ EC for consideration.<sup>15</sup> The NAESB WGQ EC is scheduled to review the request during its upcoming conference call on October 23, 2014. During this meeting, the NAESB WGQ EC will determine whether to develop a recommendation proposing standards, develop a recommendation of no-action on the request, or assign the item to one of the NAESB WGQ EC subcommittees.

#### Activity Applicable to the Retail Energy Quadrant

During the August 20, 2014 meeting of the NAESB Retail Energy Quadrant ("RXQ") EC, the committee members discussed the potential impact of a FERC Final Rule in support of the NOPR on the Retail Gas Quadrant/Retail Energy Quadrant Model Business Practices. An annual plan item was created for the NAESB RXQ BPS to develop a catalogue of the standards that could require modifications in order to remain consistent with the WGQ Business Practice Standards should the Commission issue a final order on the NOPR. The subcommittee is expected to finish creating the catalogue of standards by the end of the year.

NAESB appreciates the opportunity to provide this report to the Commission, and as previously noted, a subsequent report concerning Version 3.0 WGQ Business Practice Standards publication, which includes these standards modifications, is scheduled to be submitted to the Commission in November 2014. As requested in the NOPR, NAESB will continue to support the Commission in this effort and will address any additional requests deemed appropriate by the Commission within the bounds of the NAESB process.

---

<sup>14</sup> NAESB Standards Request R14007 is available through the following hyperlink:  
[https://naesb.org/member\\_login\\_check.asp?doc=r14007.docx](https://naesb.org/member_login_check.asp?doc=r14007.docx)

<sup>15</sup> The results of the September 5, 2014 meeting of the Triage Subcommittee, including the voting record, are available at the following link: <https://naesb.org/pdf4/tr090514results.docx>

## List of Standards Modifications to NAESB WGQ Version 2.1 Standards

### Request Cross-Reference:

The request cross-reference lists each standard either modified or created in response to the NOPR and to NAESB WGQ 2014 Annual Plan Item 11(c).<sup>16</sup> If the change was originated through a minor correction, the date of the minor correction is given. The table is sorted by standard numbering shown below. If a standards manual is noted, it is for the set of standards that directly follow and is indicated by the series of standards within the manual.

The standards follow a numbering convention which is x.y.z:

- x
  - 0 - Additional Standards
  - 1 - Nominations Related Standards
  - 2 - Flowing Gas Related Standards
  - 3 - Invoicing Related Standards
  - 4 - Quadrant Electronic Delivery Mechanism Standards
  - 5 - Capacity Release Related Standards
  - 6 - Contracts
  - 7 - Interpretations
  - 10 - WGQ / REQ / RGQ Internet Electronic Transport
  - 11 - WEQ / WGQ eTariff Related Standards
- y
  - 1 - Principles
  - 2 - Definitions
  - 3 - Standards
  - 4 - Datasets – Data Dictionary
  - 5 - Models
- z - Sequentially Assigned Number

Terms used:

- GISB - Gas Industry Standards Board
- NAESB - North American Energy Standards Board
- REQ - Retail Electric Quadrant
- RGQ - Retail Gas Quadrant
- RXQ - Retail Quadrants
- WEQ - Wholesale Electric Quadrant
- WGQ - Wholesale Gas Quadrant

---

<sup>16</sup> The changes to the standards are found in Final Action for the 2014 WGQ Annual Plan Item 11 – Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM 14-2-000):

11(c) – Develop new standards and modify existing standards to support the timelines for timely, evening, ID1, ID2 and ID3 nomination cycles as specified in Attachment A of this plan and make corresponding changes where necessary to other standards such as those that support capacity release programs. The standards should be neutral on gas day start times; meaning that all references to the 9 am CCT start of the gas day should be removed – Ratified September 22, 2014:

(Part 1 of 2) – Business Standards Language

(Part 2 of 2) – Business Documentation and Implementation Guides

And in Minor Correction MC14018 – NAESB WGQ Standards minor corrections to accommodate modifications made in final action 2014 WGQ Annual Plan item 11c (Part 2 of 2). Modify items that would need to be updated once the start of the Gas Day was determined by adding notations regarding the start of the Gas Day.

<b>Final Action 2014 WGQ Annual Plan Item 11(c) and Minor Correction MC14018</b>		
STANDARD NUMBER	DESCRIPTION/TOPIC	ACTION
<b>Additional Standards</b>		
0.4.1	Storage Information	<p>Modify the definition for the following data elements to make conforming changes for the term ‘Gas Day’: Beginning Flow Time, Ending Flow Time, and Fuel Quantity.</p> <p>Minor correction to modify the code value notes in the DTM Segment of the ASC X12 Mapping Guidelines (G873STOR (004060)) to insert the following note: [Note: 9:00 am is used for the start of the Gas Day for illustrative purposes.]</p>
0.4.2	Operational Capacity	<p>Modify the definition for the data element ‘Effective Gas Day’ to make conforming changes for the term ‘Gas Day’. Add one new code value (Intraday 3) for the data element ‘Cycle Indicator’. Modify the Technical Implementation of Business Processes to make conforming changes for the term ‘Gas Day’. Modify the Transaction Set Tables to accommodate the new Intraday 3 Cycle.</p> <p>Minor correction to modify the Sample Paper Transaction and Sample ASC X12 Transaction to accommodate modifications made in WGQ 2014 Annual Plan Item 11.c (Part 2 of 2) by adding the following: (Note: All of the following examples utilize 9:00 am as the start of the Gas Day for illustrative purposes. The start of the Gas Day may change based on any action by the FERC in Docket No. RM14-2-000.)</p>
0.4.3	Unsubscribed Capacity	<p>Modify the definition for the following data elements to make conforming changes for the term ‘Gas Day’: Effective Gas Day, Ending Effective Gas Day. Modify the Technical Implementation of Business Processes to make conforming changes for the term ‘Gas Day’.</p>
0.4.4	Location Data Download	<p>Modify the definition for the following data elements to make conforming changes for the term ‘Gas Day’: Effective Date, Inactive Date. Modify the Technical Implementation of Business Processes to make conforming changes for the term ‘Gas Day’.</p> <p>Minor correction to modify the Sample Paper Transaction and Sample ASC X12 Transaction to accommodate modifications made in WGQ 2014 Annual Plan Item 11.c (Part 2 of 2) by adding the following: (Note: All of the following examples utilize 9:00 am as the start of the Gas Day for illustrative purposes. The start of the Gas Day may change based on any action by the FERC in Docket No. RM14-2-000.)</p>
<b>Nominations Related Standards</b>		
	Business Process and Practices	<p>Modify to update the diagram of the nomination, scheduling, and confirmation process as well as include a nomination timeline.</p> <p>Minor correction to modify Diagram 3 adopted in WGQ 2014 Annual Plan Item 11.c (Part 2 of 2) to include (Note 1 - The flow times utilize 9:00 am as the start of the Gas Day for illustrative purposes. The start of the Gas Day may change based on any action by the FERC in Docket No. RM14-2-000.)</p>
1.1.18	Principle	<p>Modify existing principle to support the timelines for timely, evening, ID1, ID2 and ID3 nomination cycles as specified in Attachment A of this annual plan. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))</p>
1.2.4	Definition	<p>Modify existing definition by capitalizing “Gas Day” for consistency. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))</p>

<b>Final Action 2014 WGQ Annual Plan Item 11(c) and Minor Correction MC14018</b>		
STANDARD NUMBER	DESCRIPTION/TOPIC	ACTION
1.3.1	Standard	Modify existing standard by removing the 9 am CCT start of the gas day reference (standards should be neutral on gas day start times) to support the timelines for timely, evening, ID1, ID2 and ID3 nomination cycles as specified in Attachment A of this annual plan. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
1.3.2	Standard	Modify existing standard to support the timelines for timely, evening, ID1, ID2 and ID3 nomination cycles as specified in Attachment A of this annual plan. The standards should be neutral on gas day start times; meaning that all references to the 9 am CCT start of the gas day should be removed. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
1.3.3	Standard	Modify existing standard by capitalizing “Gas Day” for consistency. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
1.3.13	Standard	Modify existing standard by capitalizing “Gas Day” and changing ‘Intra-day’ to ‘Intraday’ for consistency. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
1.3.14	Standard	Modify existing standard by capitalizing “Gas Day” for consistency. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
1.3.41	Standard	Modify existing standard by removing the 9 am CCT start of the gas day reference (standards should be neutral on gas day start times) to support the timelines for timely, evening, ID1, ID2 and ID3 nomination cycles as specified in Attachment A of this annual plan. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
1.3.42	Standard	Modify standard to provide additional clarity. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
1.3.51	Standard	Modify existing standard by capitalizing “Gas Day” for consistency. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
1.3.80	Standard	Modify existing standard by capitalizing “Gas Day” for consistency. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))

<b>Final Action 2014 WGQ Annual Plan Item 11(c) and Minor Correction MC14018</b>		
STANDARD NUMBER	DESCRIPTION/TOPIC	ACTION
1.4.1	Nomination	<p>Modify the definition for the following data elements to make conforming changes for the term 'Gas Day': Ending Time, Nomination Subsequent Cycle Indicator Data, and Quantity. Add one new code value (Intraday 3) for the data element 'Cycle Indicator'. Modify the Technical Implementation of Business Processes to make conforming changes for the term 'Gas Day'. Modify the N9 Segment in the EDI X12 Mapping Guidelines (G873NMST (006020)) to accommodate the new Intraday 3 Cycle and modify the DTM Segment to make corresponding changes for the term 'Gas Day'.</p> <p>Minor correction to modify the code value notes in the DTM Segment of the ASC X12 Mapping Guidelines (G873NMST (006020)) to insert the following note:            [Note: 9:00 am is used for the start of the Gas Day for illustrative purposes.]</p>
1.4.2	Nomination Quick Response	<p>Modify the definition for data element 'Ending Time' to make conforming changes for the term 'Gas Day'. Modify the definition for the code value WNMQR302 to make conforming changes for the term 'Gas Day'. Modify the N9 Segment in the EDI X12 Mapping Guidelines (G873ALLC (006042)) to accommodate the new Intraday 3 Cycle and modify the DTM Segment to make corresponding changes for the term 'Gas Day'. Modify the Transaction Set Tables for the DTM Segment to make corresponding changes for the term 'Gas Day'.</p> <p>Minor correction to modify the code value notes in the DTM Segment of the ASC X12 Mapping Guidelines (G873ALLC (006042)) to insert the following note:            [Note: 9:00 am is used for the start of the Gas Day for illustrative purposes.]</p>
1.4.3	Request for Confirmation	<p>Modify the definition for the following data elements to make conforming changes for the term 'Gas Day': Beginning Time, Confirmation Subsequent Cycle Indicator Data, Ending Time, and Quantity. Add one new code value (Intraday 3) for the data element 'Cycle Indicator'. Modify the N9 Segment in the EDI X12 Mapping Guidelines (G873RQCF (005020)) to accommodate the new Intraday 3 Cycle and modify the DTM Segment to make corresponding changes for the term 'Gas Day'.</p> <p>Minor correction to modify the code value notes in the DTM Segment of the ASC X12 Mapping Guidelines (G873RQCF (005020)) to insert the following note:            [Note: 9:00 am is used for the start of the Gas Day for illustrative purposes.]</p>
1.4.4	Confirmation Response	<p>Modify the definition for the following data elements to make conforming changes for the term 'Gas Day': Beginning Time, Confirmation Subsequent Cycle Indicator Data, Ending Time, and Quantity. Add one new code value (Intraday 3) for the data element 'Cycle Indicator'. Modify the N9 Segment in the EDI X12 Mapping Guidelines (G873RRFC (005020)) to accommodate the new Intraday 3 Cycle and modify the DTM Segment to make corresponding changes for the term 'Gas Day'.</p> <p>Minor correction to modify the code value notes in the DTM Segment of the ASC X12 Mapping Guidelines (G873RRFC (005020)) to insert the following note:            [Note: 9:00 am is used for the start of the Gas Day for illustrative purposes.]</p>

<b>Final Action 2014 WGQ Annual Plan Item 11(c) and Minor Correction MC14018</b>		
STANDARD NUMBER	DESCRIPTION/TOPIC	ACTION
1.4.5	Scheduled Quantity	<p>Modify the definition for the following data elements to make conforming changes for the term ‘Gas Day’: Beginning Time, Delivery Point Quantity, Ending Time, Fuel Quantity, Nomination Subsequent Cycle Indicator Data, and Receipt Point Quantity. Add one new code value (Intraday 3) for the data element ‘Cycle Indicator’. Modify the Technical Implementation of Business Processes to make conforming changes for the term ‘Gas Day’. Modify the N9 Segment in the EDI X12 Mapping Guidelines (G873SQTS (006020)) to accommodate the new Intraday 3 Cycle and modify the DTM Segment to make corresponding changes for the term ‘Gas Day’.</p> <p>Minor correction to modify the last section of the Technical Implementation of Business Processes by adding the following: (Note: All of the following examples utilize 9:00 am as the start of the Gas Day for illustrative purposes. The start of the Gas Day may change based on any action by the FERC in Docket No. RM14-2-000.). Modify Examples to accommodate modifications made in WGQ 2014 Annual Plan Item 11.c (Part 2 of 2). Modify the code value notes in the DTM Segment of the ASC X12 Mapping Guidelines (G873SQTS (006020)) to insert the following note: [Note: 9:00 am is used for the start of the Gas Day for illustrative purposes.]</p>
1.4.6	Scheduled Quantity for Operator	<p>Modify the definition for the following data elements to make conforming changes for the term ‘Gas Day’: Beginning Time, Confirmation Subsequent Cycle Indicator Data, Ending Time, and Quantity. Add one new code value (Intraday 3) for the data element ‘Cycle Indicator’. Modify the N9 Segment in the EDI X12 Mapping Guidelines (G873SQOP (005020)) to accommodate the new Intraday 3 Cycle and modify the DTM Segment to make corresponding changes for the term ‘Gas Day’.</p> <p>Modify the code value notes in the DTM Segment of the ASC X12 Mapping Guidelines (G873SQOP (005020)) to insert the following note: [Note: 9:00 am is used for the start of the Gas Day for illustrative purposes.]</p>
1.4.7	Confirmation Quick Response	<p>Modify the definition for the following data elements to make conforming changes for the term ‘Gas Day’: Beginning Time, Ending Time. Modify the DTM Segment in the EDI X12 Mapping Guidelines (G874CRQR (006010)) to make corresponding changes for the term ‘Gas Day’.</p> <p>Minor correction to modify Sample Paper Transaction and Sample ASC X12 Transaction to accommodate modifications made in WGQ 2014 Annual Plan Item 11.c (Part 2 of 2) by adding the following: (Note: All of the following examples utilize 9:00 am as the start of the Gas Day for illustrative purposes. The start of the Gas Day may change based on any action by the FERC in Docket No. RM14-2-000.) Modify the code value notes in the DTM Segment of the ASC X12 Mapping Guidelines (G874CRQR (006010)) to insert the following note: [Note: 9:00 am is used for the start of the Gas Day for illustrative purposes.]</p>
<b>Flowing Gas Related Standards</b>		
2.2.5	Definition	Modify existing definition by capitalizing “Gas Day” for consistency. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
2.3.5	Standard	Modify existing definition by capitalizing “Gas Day” for consistency. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))

<b>Final Action 2014 WGQ Annual Plan Item 11(c) and Minor Correction MC14018</b>		
STANDARD NUMBER	DESCRIPTION/TOPIC	ACTION
2.3.21	Standard	Modify existing definition by capitalizing “Gas Day” for consistency. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
2.4.1	Pre-determined Allocation	Modify the definition for the following data elements to make conforming changes for the term ‘Gas Day’: Beginning Flow Time, Ending Flow Time. Modify the Technical Implementation of Business Processes to make conforming changes for the term ‘Gas Day’. Modify the DTM Segment in the EDI X12 Mapping Guidelines (G873PDAL (006042)) to make corresponding changes for the term ‘Gas Day’.  Minor correction to modify the code value notes in the DTM Segment of the ASC X12 Mapping Guidelines (G873PDAL (006042)) to insert the following note: [Note: 9:00 am is used for the start of the Gas Day for illustrative purposes.]
2.4.3	Allocation	Modify the definition for the following data elements to make conforming changes for the term ‘Gas Day’: Beginning Flow Time, Ending Flow Time. Modify the DTM Segment in the EDI X12 Mapping Guidelines (G873ALLC (006042)) to make corresponding changes for the term ‘Gas Day’.  Minor correction to modify the code value notes in the DTM Segment of the ASC X12 Mapping Guidelines (G873ALLC (006042)) to insert the following note: [Note: 9:00 am is used for the start of the Gas Day for illustrative purposes.]
2.4.4	Shipper Imbalance	Modify the definition for the following data elements to make conforming changes for the term ‘Gas Day’: Beginning Flow Time, Ending Flow Time. Modify the DTM Segment in the EDI X12 Mapping Guidelines (G811IMBL (006020)) to make corresponding changes for the term ‘Gas Day’.  Minor correction to modify the code value notes in the DTM Segment of the ASC X12 Mapping Guidelines (G811IMBL (006020)) to insert the following note: [Note: 9:00 am is used for the start of the Gas Day for illustrative purposes.]
2.4.5	Measurement Information	Modify the definition for the following data elements to make conforming changes for the term ‘Gas Day’: Beginning Flow Time, Ending Flow Time. Modify the DTM Segment in the EDI X12 Mapping Guidelines (G867MSIN (006042)) to make corresponding changes for the term ‘Gas Day’.  Minor correction to modify the code value notes in the DTM Segment of the ASC X12 Mapping Guidelines (G867MSIN (006042)) to insert the following note: [Note: 9:00 am is used for the start of the Gas Day for illustrative purposes.]
2.4.6	Measured Volume Audit Statement	Modify the definition for the following data elements to make conforming changes for the term ‘Gas Day’: Beginning Flow Time, Ending Flow Time
<b>Invoicing Gas Related Standards</b>		
3.4.1	Transportation / Sales Invoice	Modify the definition for the following data elements to make conforming changes for the term ‘Gas Day’: Beginning Transaction Time, Ending Transaction Time
<b>Quadrant Electronic Delivery Mechanism Standards</b>		
4.3.90	Standard	Modify existing definition by capitalizing “Gas Day” for consistency. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))

<b>Final Action 2014 WGQ Annual Plan Item 11(c) and Minor Correction MC14018</b>		
STANDARD NUMBER	DESCRIPTION/TOPIC	ACTION
<b>Capacity Release Related Standards</b>		
	Business Process and Practice	Modify to add a capacity release timeline diagram and examples.  Modify paragraph 10 Examples of EPC and add the following: (Note: All of the following examples utilize 9:00 am as the start of the Gas Day for illustrative purposes. The start of the Gas Day may change based on any action by the FERC in Docket No. RM14-2-000.) Modify Examples to accommodate modifications made in WGQ 2014 Annual Plan Item 11.c (Part 2 of 2).
5.3.2	Standard	Modify existing standard to support the timelines for timely, evening, ID1, ID2 and ID3 nomination cycles as specified in Attachment A of this annual plan. The standards should be neutral on gas day start times; meaning that all references to the 9 am CCT start of the gas day should be removed. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
5.3.44	Standard	Modify existing standard to support the timelines for timely, evening, ID1, ID2 and ID3 nomination cycles as specified in Attachment A of this annual plan. The standards should be neutral on gas day start times; meaning that all references to the 9 am CCT start of the gas day should be removed. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
5.3.45	Standard	Modify existing standard to remove reference to (Central Clock Time). (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
5.3.48	Standard	Modify existing standard by capitalizing “Gas Day” for consistency. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
5.3.49	Standard	Modify existing standard by capitalizing “Gas Day” for consistency. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
5.3.53	Standard	Modify existing standard by capitalizing “Gas Day” for consistency. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
5.3.54	Standard	Modify existing standard by capitalizing “Gas Day” for consistency. (Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000))
5.4.16	System-Wide Notices	Modify the Sample Paper Examples 2 and 3, and Sample ASC X12 Transaction to make conforming changes for the term ‘Gas Day’  Minor correction to modify the Sample Paper Transaction and Sample ASC X12 Transaction to accommodate modifications made in WGQ 2014 Annual Plan Item 11.c (Part 2 of 2) by adding the following: (Note: All of the following examples utilize 9:00 am as the start of the Gas Day for illustrative purposes. The start of the Gas Day may change based on any action by the FERC in Docket No. RM14-2-000.)

<b>Final Action 2014 WGQ Annual Plan Item 11(c) and Minor Correction MC14018</b>		
STANDARD NUMBER	DESCRIPTION/TOPIC	ACTION
5.4.20	Transactional Reporting – Capacity Release	Modify the definition for the following data elements to make conforming changes for the term ‘Gas Day’: Contract Entitlement Begin Date, Contract Entitlement Begin Time, Contract Entitlement End Date, and Contract Entitlement End Time. Add one new data element ‘Recall Notification Period Indicator – Intraday 3’ and corresponding code values. Modify the Technical Implementation of Business Processes to make conforming changes for the term ‘Gas Day’.
		Add two new code values to the data element ‘Capacity Type.’ The code values are Base Capacity and Phase 1 Expansion.
5.4.21	Transactional Reporting – Firm Transportation	Modify the definition for the following data elements to make conforming changes for the term ‘Gas Day’: Contract Entitlement Begin Date, Contract Entitlement Begin Time, Contract Entitlement End Date, and Contract Entitlement End Time. Modify the Technical Implementation of Business Processes to make conforming changes for the term ‘Gas Day’.
5.4.24	Offer	Add one new data element ‘Recall Notification Period Indicator – Intraday 3’ and corresponding code values. Add one new code value (Intraday 3) for the data element ‘Cycle Indicator’. Modify the Technical Implementation of Business Processes to reflect the movement of the capacity release timeline examples to the Business Process and Practices of the Capacity Release Related Standards Manual. Modify the Transaction Set Tables to accommodate the new Intraday 3 Cycle.
5.4.25	Bid	Add one new code value (Intraday 3) for the data element ‘Cycle Indicator’. Modify the Technical Implementation of Business Processes to reflect the movement of the capacity release timeline examples to the Business Process and Practices of the Capacity Release Related Standards Manual. Modify the Transaction Set Tables to accommodate the new Intraday 3 Cycle.
5.4.26	Award Download	Add one new data element ‘Recall Notification Period Indicator – Intraday 3’ and corresponding code values. Add one new code value (Intraday 3) for the data element ‘Cycle Indicator’. Modify the Technical Implementation of Business Processes to reflect the movement of the capacity release timeline examples to the Business Process and Practices of the Capacity Release Related Standards Manual. Modify the Transaction Set Tables to accommodate the new Intraday 3 Cycle.

Appendices:

- A..... List of NAESB Gas-Electric Harmonization Forum Participants
- B..... Links to Meeting Minutes, Presentations, Work Papers and Voting Records
- C..... Links to Executive Committee Minutes, Comments and Voting Record Links
- D..... Ratification Ballot and Ratification Results
- E..... NAESB Triage of Requests
- F..... List of Available Transcripts
- G..... Minor Corrections
- H..... Timeline of Activities
- I..... NAESB WGQ Annual Plan
- J..... NAESB Retail Annual Plan

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Participant Last Name

Abbey, Steve	Anadarko Petroleum Corporation	Betancourt, Ramona	ETC Tiger Pipeline LLC
Adams, Denise	ONEOK Partners	Billiot, Scott	Oglethorpe Power Corp.
Agrawal, Rakesh	Blackstone Technology Group, Inc.	Bishop, Cary M.	Greenwood Commissioners of Public Works (CPW)
Alexander, Michael S.	Southern California Edison	Blasiak, James L.	Washington Gas Light Company
Allenback, Peggi	MidAmerican Energy Company	Bleiweis, Bruce	DC Energy
Anderson, Brenda	Bonneville Power Administration	Bloodworth, Michelle	America's Natural Gas Alliance (ANGA)
Anderson, Bruce	New England Power Generators Association, Inc.	Boehme, John	Central Valley Gas Storage, LLC
Anderson, John	Electricity Consumers Resource Council (ELCON)	Bogdan, Candace	Liberty Utilities (Midstates Natural Gas) Corp.
Anderson, Mark	Paiute Pipeline Company	Booe, Jonathan	North American Energy Standards Board
Anderson, Pam	Perkins Coie LLP	Borkovich, Paul	Southern California Gas Company
Anker, Alisha	Prairie Power, Inc.	Bormack, Mitchell	TRC Solutions
Anthony, Susan	Electric Reliability Council of Texas, Inc. (ERCOT)	Boswell, William	North American Energy Standards Board
Applekamp, Jeff	Gas Processors Association, (Regulatory Affairs Committee)	Boucher, Jennifer	The Berkshire Gas Company
Armato, John	Pacific Gas and Electric Company (PG&E)	Bougner, Mike	Xcel Energy
Bagot, Nance	The Electric Power Supply Association (EPSA)	Bouillon, Brad	California Independent System Operator Corp.
Bailey, Vicky	BHMM Energy Services, LLC	Bourgeois, Y.J.	Anadarko Energy Services Company
Baird-Forristall, Caroline	MidAmerican Energy Company	Bowling, Michael	Tucson Electric Power Company
Barbieri, Amanda	Ameren Missouri	Bowman, Erica	America's Natural Gas Alliance (ANGA)
Bartley, J.	Accenture, LLC	Bradbury, Debbie	Trunkline Gas Company
Bartoszek, Stacy	NJR Energy Services	Braun, Christine	FortisBC Huntingdon Inc.
Barua, Rajnish	National Regulatory Research Institute (NRRRI)	Bray, Walter	Arizona Electric Power Cooperative, Inc.
Batra, Sharat	Los Angeles Department of Water and Power	Breden, Dan	Prairie Power, Inc.
Battams, Ahuva Z.	Van Ness Feldman LLP	Breezeel, Phillip	Prairie Power, Inc.
Baumgart, Julie A.	Wisconsin Public Service	Broderick, Kyle	Portland General Electric Company
Baxter, James	Oglethorpe Power Corp.	Brooks, Kelly	J. Aron & Company (Goldman, Sachs & Co.
Bear, John	ISO/RTO Council (IRC)	Brooks, Kelly R.	WBI Energy Transmission, Inc.
Beck, Elizabeth	Vectren Corporation	Brown, Tyler	Columbia Gas Transmission Corporation
Begley, Mark	Northern Natural Gas	Brownell, Stanley	PJM Interconnection, LLC
Bell, John S.	Kansas Corporation Commission	Bruechner, Paul	Okaloosa Gas District
Bellairs, David A.	Metropolitan Utilities District of Omaha	Bruns, Joe	Cedar Falls Utilities
Bellville, Nathan T.	South Mississippi Electric Power Association (SMEPA)	Bryant, Shawn	Puget Sound Energy, Inc.
Benson, Marty	Intermountain Gas Company	Bryson, Michael	PJM Interconnection, LLC
Bergles, Susan	Northwest Natural Gas Company	Buccigross, Jim	8760 Inc.

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Participant Last Name

Buckner, Dan	Alliance for Cooperative Energy Services Power Marketing LLC (ACES)	Colombo, Craig	Dominion Resources
Buhr, Dave	Superior Water, Light and Power	Colussy, Peter	Xcel Energy
Burch, Kathryn	Spectra Energy Corp	Conneely, Joe	Granite State Gas Transmission System
Burden, Christopher	Williams – Pine Needle LNG	Connor, Pete	American Gas Association
Burgess, Tom	North American Electric Reliability Corporation (NERC)	Conte, Tony	National Fuel Gas Supply Corporation
Burke, Lynn M	Columbia Gas of Ohio, Inc.	Cook, Chuck	Chevron Natural Gas
Burks, J. Cade	Big Data Energy Services	Copeland, Karen	Municipal Gas Authority of Georgia
Burnett, Tina	Boeing	Cordts, Margaret	NorthWestern Energy
Busch, James (Jim)	BP West Coast Products	Corritore, Janet	Tenaska
Butcher, Angie	Michigan Public Service Commission	Costello, Chuck	Blackstone Technology Group
Butler, James	NiSource Inc.	Crabtree, David	Peoples Gas System, a Division of Tampa Electric
Butler, Scott	Consolidated Edison Co of New York, Inc.	Crawford, Ernie	Public Service Company of New Mexico
Caffery, David	PSEG Energy Resources & Trade LLC	Crockett, Valerie	Tennessee Valley Authority
Calhoun, John Anthony	Santee Cooper	Cross, Lorraine	Cross & Company, P.L.L.C.
Callager, Montie	Targa Resources Inc.	Crowley, Colin	Puget Sound Energy, Inc.
Capilla, Leslie	Arizona Public Service Company	Cryslar, Dan	Latitude Technologies, Inc.
Cardone, Ernie	New York ISO	Culp, Jodi	Black Hills Energy
Carlson, Tom	Arizona Public Service Company	Culpepper, Les	The Southeast Alabama Gas District
Carrette, Jeffrey	Total Gas and Power North America Inc.	Cymes, Jim	Steckman Ridge
Carriere, Jay	Berkshire Hathaway Energy Company	Czigler, Frank	Public Service Electric and Gas Company
Casey, Bill	Portland General Electric Company	DaFonte, F. Chico	Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Utilities
Casey, Joe	East Tennessee Natural Gas, L.L.C	Dahlberg, Lynn	Williams – Northwest Pipeline
Casey, Melissa	Williams – Transco	Daley, Kate	Interstate Natural Gas Association of America
Cashin, Jack	The Electric Power Supply Association (EPSA)	Daly, Kelly A.	Stinson Leonard Street LLP (Arizona Public Service Corp)
Cather, Brenda	Anadarko Energy Services Company	Dandridge, Michelle M.	Southern California Gas Company
Chambers, Andrea	Ballard Spahr LLP	Dauer, Jim	NRG Energy
Chang, Ibtissam	Southern California Gas Company	Davis, Dale	Williams
Chang, Stacy	NV Energy	Davis, Noy S.	New England LDCs
Charles-Joseph, Debbie	New York State Electric and Gas Corporation	Davis, Rae	Carolina Gas Transmission Corporation
Christian, Ron	Vectren Corporation	Davis, Shawn	Portland General Electric Company
Ciza, John	Southern Company Services, Inc.	De Los Santos, Maria	Chevron Pipe Line Company
Clausen, Brad	Entergy Services, Inc.	DeBoissiere, Alex	The United Illuminating Company
Cockrell, Jessica L.	Federal Energy Regulatory Commission (FERC)	DeBruin, Martin	Liberty Utilities (New England Natural Gas Company) Corp.
Cocks, Michael	Bonneville Power Administration	DeCoursey, Erica	New Mexico Gas Company
		Demman, Laura K.	Northern Natural Gas

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Participant Last Name

Denton, Rhonda	BP Energy	Feemster, Bryan	City Utilities of Springfield, Missouri
Derryberry, Richard	Xcel Energy	Fernandez, Anna	Federal Energy Regulatory Commission (FERC)
Desselle, Michael	Southwest Power Pool	Ferreira, Kathy	New Jersey Natural Gas Company
Devers, Janice	Maritimes & Northeast Pipeline, L.L.C. – US	Field, Douglas	Southern Star Central Gas Pipeline, Inc.
Dewar, Mark	Puget Sound Energy	Fields, Brian	Calpine Energy Services, LP
Diamond, Michael	Van Ness Feldman LLP	Filer, Leslie	Avista Corporation
Dibble, Jay	Calpine Energy Services, LP	Finklea, Edward	Northwest Industrial Gas Users
Dickens, Dwayne	UNS Electric	Flynn, Kevin	ISO New England, Inc.
Dillavou, Jay H.	MidAmerican Energy Company	Foley, Kevin	Puget Sound Energy, Inc.
Dininger, Dennis	Indianapolis Power & Light Company (IPL)	Follmer, Annette	USG Corporation
Dinkins, Phaedra	Williams	Forshaw, Brian	Connecticut Municipal Electric Energy Cooperative
Djukic, Stacy	Northern Indiana Public Service Company	Fort, Jim	The Energy Authority, Inc.
Donahue, Bill	Puget Sound Energy, Inc.	Foss, Michelle	University of Texas
Dorr, Justin	Avista Corporation	Fossum, Drew	Tenaska Energy, Inc.
Doss, Megan	Spectra Energy Corp	Foutch, Jeffrey	Peregrine Midstream Partners LLC
Downey, Carrie	Imperial Irrigation District	Freitas, Christopher	US Department of Energy
Dragulescu, Adrian	Exelon Generation Company, LLC	Frey, Michael	Municipal Gas Authority of Georgia
Dreskin, Joan	Interstate Natural Gas Association of America (INGAA)	Friedman, Randy	Northwest Natural
Durbin, Marty	America’s Natural Gas Alliance (ANGA)	Frost, Pete	ConocoPhillips Company
Durocher, Jeremy	MCP Operating, LLC	Fuentes, Daryll	USG Corporation
Ege, Katie	Great River Energy	Fuerst, Gary	FirstEnergy Service Co.
Ehly, Katie	America’s Natural Gas Alliance (ANGA)	Fulton, Brian	USN Gas Inc.
Elder, Catherine M.	Aspen Environmental Group	Furino, Robert S.	Unitil
Elgie, Tom	Powerex Corp.	Gagliardi, Kristine	Columbia Gulf Transmission
Ellis, John	Sempra Utilities	Gallagher, William	Vermont Public Power Supply Authority
Ellsworth, Bruce	New York State Reliability Council	Garcia, Clarissa	Goldman, Sachs & Co.   J. Aron & Co.
Engels, William	Los Angeles Department of Water & Power	Gardner, Wayne	WE Gardner Company LLC
Eoff, Cameron T.	Associated Electric Cooperative Inc.	Garner, David	Puget Sound Energy, Inc.
Epifani, Lisa E.	Van Ness Feldman, P.C.	Gary, Tina	Portland General Electric Company
Evans, Bruce	PacifiCorp	Gee, Bob	Gee Strategies Group, LLC
Evey, Tamara	Ameren Services Company	Gee, Dennis	Pacific Gas and Electric Company (PG&E)
Eynon, Patrick	American Services Company	Gent, Michele	Open Access Technology International, Inc.
Fan, Chris	Pacific Gas and Electric Company (PG&E)	Gibson, Tom	Columbia Gas of Maryland
Faust, Tina	Questar Gas Company	Gilbert, Steve	Northern Natural Gas
Feagans, Chuck	Tennessee Valley Authority	Gill, Paul	Sea Robin Pipeline company, LLC
		Gillingham, Rick	Hoosier Energy Rural Electric Cooperative, Inc.

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Participant Last Name

Ginnetti, Jim	EquiPower Resources Corp	Harshbarger, Bob	Puget Sound Energy, Inc.
Ginsberg, Susan	Independent Petroleum Association of America (IPAA)	Hart, Anita	NV Energy
Glazebrook, Sherri	Tennessee Gas Pipeline Company, L.L.C.	Hartigan, Ann	Northern Utilities, Inc.
Glazer, Craig	PJM Interconnection, LLC	Hartsoe, Joseph	American Electric Power Service Corp.
Glines, Brent	Golden Spread Electric Cooperative	Hathaway, Dave	Wisconsin Public Service
Goddard, Aaron	Columbia Gas of Maryland	Helm, M. Gary	PJM Interconnection, LLC
Gold, Amy	Shell Energy North America (US) L.P.	Henry, Mike	Emera Energy
Goldbeck, Glenn	Pacific Gas and Electric Company (PG&E)	Hensley II, Ronnie C.	Southern Star Central Gas Pipeline, Inc.
Goldenberg, Mike	Federal Energy Regulatory Commission (FERC)	Hernandez, Janet	Chevron Natural Gas
Goodman, Craig	National Energy Marketers Association (NEM)	Hicken, Jeff	Alliant Energy
Gracey, Mark	Kinder Morgan Inc	Hild, Feffrey	Xcel Energy
Grassi, Bob	PPL Services Corporation	Hill, Audrea	PSC Nitrogen Fertilizer, L.P.
Gray, Bob	Arizona Corporation Commission	Hill, Sherry	TransCanada PipeLines
Gray, Dax	Utah Associated Municipal Power Systems (UAMPTS)	Hiller, Roy	Southern Company Services, Inc.
Gray, Kevin	Southern Star Central Gas Pipeline, Inc.	Hoang, Na	Colorado Springs Utilities
Griffin, Bret	Municipal Electric Authority of Georgia	Hoffman, Marvin	Gill Ranch Storage Company
Grimard, Wraye	Peoples Gas System, a Division of Tampa Electric	Hogarth, Cleve	Quorum Business Solutions, Inc.
Grooms, Craig	Buckeye Power	Hogge, Rachel	Dominion Transmission, Inc.
Gross, Blake	American Electric Power	Holmes, Brad	Fayetteville Express Pipeline
Gross, Jerry H.	Questar Pipeline Company	Horn, Jennifer	JEA
Gross, Stanley	El Paso Electric	Horne, Glenda	Santee Cooper
Grover, Scott	Southern Company Services, Inc.	Horner, Jason	Portland General Electric Company
Guderian, Brandon	Devon Gas Services L.P.	Horton, Rob	Hoosier Energy Rural Electric Cooperative, Inc.
Gwilliam, Tom	Iroquois Gas Transmission System	Hughes, John	Electricity Consumers Resource Council (ELCON)
Haas, Paul	El Paso Natural Gas Company, L.L.C.	Hurley, Jesse D.	Shift Systems, LLC
Haines, Phil	Puget Sound Energy	Hussey, Monica	New Mexico Gas Company
Hale, Kenneth J.	City Utilities of Springfield, Missouri	Ishikawa, Richard	Southern California Gas Company
Hammer, Mark	Puget Sound Energy, Inc.	Jaffe, Samara	National Grid
Hanchey, Jeannette	PXD	Jagtiani, Patricia	Natural Gas Supply Association (NGSA)
Hanson, Kevin	ERCOT	Janopaul, Margi	Pacific Gas and Electric Company (PG&E)
Hardy, Dave	Tri-State Generation and Transmission Association, Inc.	Janssen, Bonnie	Michigan Public Service Commission
Hargett, Chris	Consolidated Edison Co of New York, Inc.	Jones, Dan	Duke Energy Corporation
Harrel, Scott	Oglethorpe Power Corp.	Jones, Paul	Salt River Project Agricultural Improvement & Power District
		Joosten, John	Kern River Gas Transmission Company
		Jordan, Deena	Regency Energy Partners LP
		Joseph, Kelli	New York ISO

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Participant Last Name

Joyce, Patrick	Black Hills Corporation	Lee, Amy	Northwest Natural
Jurney, Nancy	ONEOK	Leesman, Katie	Process Gas Consumers Group (Ballard Spahr LLP rep)
Kahle, Dick	Lincoln Electric System	Lehman, Richard	Salt River Project Agricultural Improvement & Power District
Kaplan, Seth	Conservation Law Foundation	Lemmie, Valerie	EISPC
Karanian, Edna	Yankee Gas Services Company	Lennon, Rose	Washington Gas Light Company
Kasha, Priscila Castillo	Los Angeles Department of Water and Power	Leuschen, Sam	PPA Natural Gas Storage, LLC
Katz, Andrew	NSTAR	Liang-Nicol, Cecilia	Monongahela Power Company
Kelley, Rod	Bonneville Power Administration	Linder, Sorana	Crossroads Pipeline
Kennedy, Andrew	TECO / Peoples Gas System	Little, M. Bryan	Consumers Energy Company
Kennedy, Mariah	Puget Sound Energy, Inc.	Lobdell, Julie	Municipal gas Authority of Georgia
Keogh, Miles	National Association of Regulatory Utility Commissioners (NARUC)	Locke, Michael	JEA
Kepper, Stewart	Shell Exploration and Production Company	Love, Paul	Natural Gas Pipeline Company of America LLC
Kerr, Paul	Shell Energy North America (Canada)	Luck, Rodney	Los Angeles Department of Water and Power
Kerrigan, Lily	Wright & Talisman, P.C.	Luner, Jared M.	Xcel Energy
Kijowski, Drake R.	PSEG Energy Resources and Trade LLC	Lyser, Shelly	Consolidated Edison Co of New York, Inc.
King, Gordon	Okaloosa Gas District	Maestas, Steve	Public Service Company Of New Mexico
Kirby, Kevin	ISO New England, Inc.	Maffa, Paul	Liberty Utilities (Peach State Natural Gas) Corp.
Kisluk, Eileen Wilson	PAA Natural Gas Storage	Magruder, Kathleen	BP Energy Company
Knight, Jim	Metropolitan Utilities District	Mallett, Elizabeth	North American Energy Standards Board
Knox, Marie	MISO	Mancuso, Melanie	FirstEnergy Utilities
Koch, Kent E.	Columbia Gas of Kentucky	Manning, James	North Carolina Electric Membership Corporation
Konieczny, Alexandra D.	Sutherland Asbill & Brennan LLP	Markovich, Kevin	NorthWestern Energy
Koza, Frank	PJM Interconnection, LLC	Martin, Beth	We Energies
Kramer, Bernard	DTE Gas Company	Martin, Brenda	Kern River Gas Transmission Company
Kruse, Richard	Algonquin Gas Transmission, LLC	Martin, Tim	Wolverine Power Supply Cooperative
Kupczyk, Debbie	National Fuel Gas Supply Corporation	Marton, David	FirstEnergy
Kvam, Michele	Puget Sound Energy, Inc.	Mata, Antelmo	Williams - Transco
Lacy, Catharine M.	Dominion Resources Services, Inc.	Matthews, Jennifer	Southern Star Central Gas Pipeline, Inc.
Lander, Gregory	Skipping Stone, LLC	Maust, Keith	Piedmont Natural Gas
Lane, Bryan	FortisBC Energy, Inc.	Mayette, Joe	United States Gypsum Company
Langel, Gina	Omaha Public Power District	McAnally, Robert	Northwest Natural
Lapera, Laura	Pacific Gas and Electric Company (PG&E)	McCord, Steve	Columbia Gas Transmission Corporation
Lasa, Dulce	Southern California Gas Company	McCord, Tom	The Energy Authority, Inc.
Lauby, Mark	North American Electric Reliability Corporation (NERC)		
Lavarco, William	NextEra Energy Power Marketing, LLC		

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Participant Last Name

McCoy, Matt	SouthernStar Central Gas Pipeline	Murray, Gary	New Mexico Gas Company
McDermott, Mike	Pacific Gas and Electric Company (PG&E)	Musial, Jim	DTE Energy
McGeeney, Chris	Associated Electric Cooperative Inc.	Musich, Beth	Southern California Gas Company
McLafferty, Dan	Pacific Gas and Electric Company (PG&E)	Mysore, Sunil	Latitude Technologies, Inc.
McQuade, Rae	North American Energy Standards Board	Nance, Peter	ICF International
Meehan, James H.	FirstEnergy Corporation	Nichols, Marshall	National Petroleum Council
Mendoza, Michelle	Piedmont Natural Gas	Nicolay, Christi	Macquarie Energy LLC
Meriwether, Tom	Targa Resources	Nielsen, Janie	Kern River Gas Transmission Company
Metz, Cary	Enable Energy Resources	Nilsson, David	Power Costs, Inc. (PCI)
Metzker, Amber L.	Xcel Energy	Nishimuta, Lisa	ONEOK
Millar, Debra	Columbia Gas of Pennsylvania	Nolte, Bill	Sunflower Electric Power Corporation
Millard, Ryan	Portland General Electric Company	Norton, Chris	American Municipal Power, Inc.
Miller, Mary Kay	Northern Natural Gas	Novak, Mike	National Fuel Gas Distribution Corporation
Miller, Rebecca	Dominion Transmission, Inc.	Nowak, Gene	Kinder Morgan Inc
Miller, William T.	American Public Gas Association (APGA)	O'Bryan, Wayne	Big Rivers Electric Corporation
Mills, Ron	Latitude Technologies, Inc.	O'Hara, Chris	NRG Energy, Inc.
Minneman, Jim	PPL Solutions, LLC	Oberski, Louis	Dominion Resources Services, Inc.
Miyaji, Wendell	Comverge	Oelker, Linn C.	LG&E and KU Services Company
Moates, Robin	Tennessee Valley Authority	Ogg, Joelle	DC Energy
Mohre, David	National Rural Electric Cooperative Association (NRECA)	Olenick, John	Southwest Gas Corporation
Monteith, Sherri	American Electric Power Service Corp.	Olling, Kevin	Midland Cogeneration Venture LP
Moore, Wayne	Southern Company Services, Inc.	Omey, Samantha	ExxonMobil Corporation / XTO Energy Inc.
Morais, Matthew	ISO/RTO Council (IRC)	Orr, Bryant	Oglethorpe Power Corp.
Moreno, Richard	Energy Transfer	Osborne, Sheree	Puget Sound Energy, Inc.
Morris, Alex	Pacific Gas and Electric Company (PG&E)	Owens, David	Edison Electric Institute (EEI)
Morris, Art	Florida Power & Light	Pace, Dawnell	Williams – Northwest Pipeline, LLC
Morrison, Andrew	MarkWest Energy Partners, L.P.	Padilla, Elleanor	Arizona Public Service Company
Morrissey, Tomas	Pacific Northwest Utilities Conference Committee	Page, Carly	Natural Gas Supply Association (NGSA)
Morrow, Mark C.	UGI Corporation	Palmer, Debra Ann	New England LDCs
Mosley, Scott	SouthStar Energy Services, LLC	Parikh, Lopa	Edison Electric Institute (EEI)
Mott, Michael	Northwest Natural	Parker, Randy E.	ExxonMobil Gas and Power Marketing Company (a division of ExxonMobil Corporation)
Moura, John	North American Electric Reliability Corporation (NERC)	Patrick, Marguerite (Becky)	Infinite Energy
Mucci, Ron	ONEOK	Patterson, Delia	American Public Power Association (APPA)
Munson, Sylvia	SunGard Energy	Patton, Gail	Targa Resources
Murphy, Kyle	Latitude Technologies, Inc.	Pauley, Bob	Indiana Commission

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Participant Last Name

Pedersen, Norman	Hanna and Morton LLP	Reeping, Robert	FirstEnergy Utilities
Pederson, Blake	Tucson Electric Power Company	Reese, Benjamin J.	PAA Natural Gas Storage
Penner, Audrey	Manitoba Hydro	Reetz, Jenny	Integrus Energy Group, Inc.
Pennock, Lori-Lynn	Salt River Project Agricultural Improvement & Power District	Reid, Jack	Seminole Electric Cooperative, Inc.
Peoples, John	Duquesne Light	Reid, John D.	PAA Natural Gas Storage
Percell, Cynthia	Red Willow Production Company owned by the Southern Ute Indian Tribe	Reitz, David	National Fuel Gas Supply Corporation
Peress, N. Jonathan	Conservation Law Foundation	Renshaw, Kevin	Southern Star Central Gas Pipeline, Inc.
Pergola, Perry M.	Vectren Corporation	Retherford, Angila	Vectren Corporation
Persekian, Joe	USG Corporation	Rhyno, Wendy	Alliance Pipeline
Peschka, Terri	Portland General Electric Company	Rice, Katie	DCP Midstream
Petersen, Don	Pacific Gas and Electric Company (PG&E)	Richman, Ginger	NJR Energy Services Company
Pettinato, Robert	Los Angeles Department of Water and Power	Rivers, Cynthia	Florida Gas Transmission, LLC
Philips, Marjorie	Hess Energy Marketing, LLC (a Direct Energy Company)	Rivers, Cynthia	Fitchburg Gas & Electric Light Company
Phillips, Joshua	Southwest Power Pool	Robbins, Chris	Intermountain Gas Company
Pierson, Damonica	Shell Exploration and Production Company	Roberts, Emily	Gill Ranch Storage Company
Platsmier, Deborah	Chevron Pipe Line Company	Robinson, Dennis	ISO New England, Inc.
Pleasant, Rochelle	Total	Rogers, Sara	ONEOK
Plumaj, Joshua	Columbia Gulf Transmission	Roth, Tom	Roth Energy Company
Poirot, Karl	Chevron Natural Gas	Rudd, Douglas	New Jersey Natural Gas Company
Poli, Patricia	Michigan Public Service Commission	Rudiak, John	New England LDCs
Pollard, Joseph	TransCanada US Pipelines	Rudolphi, Matthew R.	South Mississippi Electric Power Association (SMEPA)
Powers, Mike	Chevron Natural Gas	Ruperto, Melinda	MidAmerican Energy Company
Pranaitis, Mark	The Southern Connecticut Gas Company	Russo, Chris	Sequent Energy Management, L.P.
Precht, Phil	Baltimore Gas & Electric Company	Ryu, Heejin	Exelon Generation
Price, Kent E.	Salt River Project Agricultural Improvement & Power District	Sahba, Shahriar	Open Access Technology International, Inc.
Price, Valerie	Enable Gas Transmission	Saini, Ishwar	Macquarie Energy LLC
Pyles, Adam	CenterPoint Energy Services	Salese, Steve	Hess Energy Marketing, LLC (a Direct Energy Company)
Pysh, Tom	Northern Indiana Public Service Company	Salisbury, Chad	Santee Cooper
Rager, Denise	North American Energy Standards Board	Sanchez, Andy	Southwestern Energy Company
Ramsey, Brad	National Association of Regulatory Utility Commissioners (NARUC)	Sanders, Shane	Southwest Transmission Cooperative, Inc.
Raval, Deepak	NiSource Inc.	Santa, Don	The Interstate Natural Gas Association of America (INGAA)
Razack, Abdul	Nevada Power	Santman, Ken	Avista Corp
		Sappenfield, Keith	Natural Resource Group, LLC
		Sauer, Megan	Southwest Gas Transmission Company
		Schafer, Anita M.	Duke Energy Corporation
		Schmitz, Micki	Northern Natural Gas

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Participant Last Name

Schoene, Ben	ConocoPhillips Company	Stultz, Mark	BP America Production Company
Schryver, Dave	American Public Gas Association (APGA)	Sturm, John	Alliance for Cooperative Energy Services Power Marketing LLC (ACES)
Schubert, Eric	BP America Production Company	Stutzman, Rain	NRG Energy, Inc.
Scott, Eric	Avista Corp	Suga, Glenn	Sierra Pacific Power Company
Sellers-Vaughn, Mark	Cascade Natural Gas Corporation	Szubielski, Will	Emera Energy Services, Inc.
Selsmeyer, Patrick J.	Integrus Energy Services, Inc.	Tardy, Ryan	Sierra Pacific LDC
Shah, Jayana	New Jersey Natural Gas Company	Tarpey, Steve	BP West Coast Products
Shahidehpour, Mohammad	Eastern Interconnection States Planning Council (EISPC) -IIT	Tatum, Ed	Old Dominion Electric Coop
Sharp, Donnie	City of Huntsville d/b/a Huntsville Utilities	Taylor, Brandon	Puget Sound Energy
Sharp, Steve	Arkansas Electric Cooperative Corporation (AECC)	Taylor, Kenny	Carolina Gas Transmission Corporation
Shields, Justin	UNS Electric	Tennyson, John	City Utilities of Springfield, Missouri
Shipley, Don	Southwest Power Pool	Theobald, David	Omaha Public Power District
Shoemaker, Mike	FortisBC Energy Inc.	Thomas, Sharon	National Association of Regulatory Utility Commissioners (NARUC)
Short, Tag	MISO	Thomason, Veronica	North American Energy Standards Board
Shumway, Neal	Tenaska Marketing Ventures	Thompson, Michael J.	Wright & Talisman, P.C.
Silberstein, Pam	National Rural Electric Cooperative Association (NRECA)	Thoms, Eric	MISO
Simon, Timothy	TAS Strategies	Thorn, Terence (Terry)	KEMA Gas Consulting Services
Simpkins, Lisa	Exelon Generation Company, LLC	Thornton, Kathy	Enbridge Inc.
Simpson, Carleton	Unitil Energy Systems	Tierney, Sue	Analysis Group, Inc.
Singh, Harry	Goldman, Sachs & Co.	Tilbury, Joshua	New Mexico Gas Company
Sixkiller, Heather	Portland General Electric Company	Tingler, Teri	ONEOK
Skiba, Ed	MISO	Toledano, Donna	Colorado Springs Utilities
Smead, Rick	RBN Energy LLC	Tomlinson, Ronald G.	Dominion Transmission, Inc.
Smith, Chris	Puget Sound Energy, Inc.	Trent, Dan	Associated Electric Cooperative Inc.
Smith, Jim	Municipal Energy Resources Corporation	Trum, Caroline	North American Energy Standards Board
Smith, Richard	Noble Energy, Inc.	Tulchinsky, Don	Columbia Gas of Massachusetts
Snider, Wade	Brazos Electric Cooperative	Tweed, Caitlin	Bracewell & Giuliani LLP
Snow, Robert V.	Federal Energy Regulatory Commission (FERC)	Twiggs, Thane	Castleton commodities Merchant Trading L.P.
Soreng, Erik	PacifiCorp	Thomas	Pacific Gas and Electric Company (PG&E)
Soto, Andrew	American Gas Association	Ulloa, John	California Independent System Operator Corp.
Spangler, Leigh	Latitude Technologies, Inc.	Ulmer, Andrew	California Independent System Operator Corp.
Sperazza, Justin	Tennessee Valley Authority	Van Pelt, Gregory	California Independent System Operator Corp.
Stanzione, James A.	National Grid	Van Pelt, Kim	Boardwalk Pipeline Partners, LP
Stone, Carolyn	Cascade Natural Gas Corporation		
Stuchell, Jeff	FirstEnergy Solutions		

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Participant Last Name

Vance, Kevin	Shell Oil Products US	Wozniak, Caroline	Federal Energy Regulatory Commission (FERC)
Vannoy, Kevin	MISO	Yeung, Charles	Southwest Power Pool
Vesuvio, Vincent	Infinite Energy	Yildirok, Val	Portland General Electric Company
Vidas, Harry	Eastern Interconnection States Planning Council (EISPC) -ICFI	Yoho, Lisa	BG Energy Holdings Limited
Vu, Mia	Pacific Gas and Electric Company (PG&E)	York, Kathy	Tennessee Valley Authority
Wagner, Tom	Entergy Nuclear Power Marketing, LLC	Young, Christopher	Exelon
Wah, Pauline C.	Southern California Gas Company	Young, Randy	Boardwalk Pipeline Partners, LP
Walker, Wesley	Dominion Resources Services, Inc.	Zenner, Courtney	BG Group
Walsh, Lisa	Encana Oil and Gas		
Ward, Tom	Portland General Electric Company		
Washington, Kathy	Transwestern Pipeline		
Wateland, Dale	CenterPoint Energy Services		
Watson, Kimberly	Golden Triangle Storage, Inc.		
Waugh, Deborah	Williams – Discovery Gas Transmission		
Weaver, Alonzo	Memphis Light, Gas & Water Division		
Weber, Sharon	PPL EnergyPlus, LLC		
Weidner, James	Northern Natural Gas		
Weinber, Bob	South Mississippi Electric Power Association (SMEPA)		
Werner, Mark	CPS Energy		
Wetter, Kari	Wabash Valley Power Association, Inc.		
Whiting, Joh	Intermountain Gas Company		
Wiggins, Dena	Natural Gas Supply Association (NGSA)		
Wilkins, Jimmy	North Carolina Electric Membership Corporation		
Williams, Noman	Sunflower Electric Power Corporation		
Williams, Richard	Midcontinent Express Pipeline LLC		
Willins, Steve	U.S. Energy Services, Inc.		
Willis, Troy	Georgia Transmission Corporation		
Wilmotte, Joan	Cascade Natural Gas Corporation		
Wingo, Mike	Carolina Gas Transmission Corporation		
Wisersky, Megan	Madison Gas & Electric Company		
Wonder, Vickie	Northern Natural Gas		
Wood, JT	Southern Company Services, Inc.		
Woosley, Stephen	Columbia Gas of Virginia		
Word, Garrett	TransCanada US Pipelines		
Worthington, Kerry	Eastern Interconnection States Planning Council (EISPC)		

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Company Name

Buccigross, Jim	8760 Inc.	Sharp, Steve	Arkansas Electric Cooperative Corporation (AECC)
Bartley, J.	Accenture, LLC	Elder, Catherine M.	Aspen Environmental Group
Kruse, Richard	Algonquin Gas Transmission, LLC	Eoff, Cameron T.	Associated Electric Cooperative Inc.
Buckner, Dan	Alliance for Cooperative Energy Services Power Marketing LLC (ACES)	McGeeney, Chris	Associated Electric Cooperative Inc.
Sturm, John	Alliance for Cooperative Energy Services Power Marketing LLC (ACES)	Trent, Dan	Associated Electric Cooperative Inc.
Rhyno, Wendy	Alliance Pipeline	Santman, Ken	Avista Corp
Hicken, Jeff	Alliant Energy	Scott, Eric	Avista Corp
Barbieri, Amanda	Ameren Missouri	Dorr, Justin	Avista Corporation
Evey, Tamara	Ameren Services Company	Filer, Leslie	Avista Corporation
Bloodworth, Michelle	America's Natural Gas Alliance (ANGA)	Chambers, Andrea	Ballard Spahr LLP
Bowman, Erica	America's Natural Gas Alliance (ANGA)	Precht, Phil	Baltimore Gas & Electric Company
Durbin, Marty	America's Natural Gas Alliance (ANGA)	Carriere, Jay	Berkshire Hathaway Energy Company
Ehly, Katie	America's Natural Gas Alliance (ANGA)	Yoho, Lisa	BG Energy Holdings Limited
Gross, Blake	American Electric Power	Zenner, Courtney	BG Group
Hartsoe, Joseph	American Electric Power Service Corp.	Bailey, Vicky	BHMM Energy Services, LLC
Monteith, Sherri	American Electric Power Service Corp.	Burks, J. Cade	Big Data Energy Services
Connor, Pete	American Gas Association	O'Bryan, Wayne	Big Rivers Electric Corporation
Soto, Andrew	American Gas Association	Joyce, Patrick	Black Hills Corporation
Norton, Chris	American Municipal Power, Inc.	Culp, Jodi	Black Hills Energy
Miller, William T.	American Public Gas Association (APGA)	Costello, Chuck	Blackstone Technology Group
Schryver, Dave	American Public Gas Association (APGA)	Agrawal, Rakesh	Blackstone Technology Group, Inc.
Patterson, Delia	American Public Power Association (APPA)	Van Pelt, Kim	Boardwalk Pipeline Partners, LP
Eynon, Patrick	American Services Company	Young, Randy	Boardwalk Pipeline Partners, LP
Bourgeois, Y.J.	Anadarko Energy Services Company	Burnett, Tina	Boeing
Cather, Brenda	Anadarko Energy Services Company	Anderson, Brenda	Bonneville Power Administration
Abbey, Steve	Anadarko Petroleum Corporation	Cocks, Michael	Bonneville Power Administration
Tierney, Sue	Analysis Group, Inc.	Kelley, Rod	Bonneville Power Administration
Gray, Bob	Arizona Corporation Commission	Stultz, Mark	BP America Production Company
Bray, Walter	Arizona Electric Power Cooperative, Inc.	Schubert, Eric	BP America Production Company
Capilla, Leslie	Arizona Public Service Company	Denton, Rhonda	BP Energy
Carlson, Tom	Arizona Public Service Company	Magruder, Kathleen	BP Energy Company
Padilla, Elleanor	Arizona Public Service Company	Busch, James (Jim)	BP West Coast Products
		Tarpey, Steve	BP West Coast Products
		Tweed, Caitlin	Bracewell & Giuliani LLP
		Snider, Wade	Brazos Electric Cooperative
		Grooms, Craig	Buckeye Power
		Bouillon, Brad	California Independent System Operator Corp.
		Ulmer, Andrew	California Independent System Operator Corp.

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Company Name

Van Pelt, Gregory	California Independent System Operator Corp.	Miyaji, Wendell	Comverge
Dibble, Jay	Calpine Energy Services, LP	Forshaw, Brian	Connecticut Municipal Electric Energy Cooperative
Fields, Brian	Calpine Energy Services, LP	Frost, Pete	ConocoPhillips Company
Davis, Rae	Carolina Gas Transmission Corporation	Schoene, Ben	ConocoPhillips Company
Taylor, Kenny	Carolina Gas Transmission Corporation	Kaplan, Seth	Conservation Law Foundation
Wingo, Mike	Carolina Gas Transmission Corporation	Peress, N. Jonathan	Conservation Law Foundation
Sellers-Vaughn, Mark	Cascade Natural Gas Corporation	Butler, Scott	Consolidated Edison Co of New York, Inc.
Stone, Carolyn	Cascade Natural Gas Corporation	Hargett, Chris	Consolidated Edison Co of New York, Inc.
Wilмотte, Joan	Cascade Natural Gas Corporation	Lyser, Shelly	Consolidated Edison Co of New York, Inc.
Twiggs, Thane Thomas	Castleton commodities Merchant Trading L.P.	Little, M. Bryan	Consumers Energy Company
Bruns, Joe	Cedar Falls Utilities	Werner, Mark	CPS Energy
Pyles, Adam	CenterPoint Energy Services	Cross, Lorraine	Cross & Company, P.L.L.C.
Wateland, Dale	CenterPoint Energy Services	Linder, Sorana	Crossroads Pipeline
Boehme, John	Central Valley Gas Storage, LLC	Bleiweis, Bruce	DC Energy
Cook, Chuck	Chevron Natural Gas	Ogg, Joelle	DC Energy
Hernandez, Janet	Chevron Natural Gas	Rice, Katie	DCP Midstream
Poirot, Karl	Chevron Natural Gas	Guderian, Brandon	Devon Gas Services L.P.
Powers, Mike	Chevron Natural Gas	Colombo, Craig	Dominion Resources
De Los Santos, Maria	Chevron Pipe Line Company	Lacy, Catharine M.	Dominion Resources Services, Inc.
Platsmier, Deborah	Chevron Pipe Line Company	Oberski, Louis	Dominion Resources Services, Inc.
Sharp, Donnie	City of Huntsville d/b/a Huntsville Utilities	Walker, Wesley	Dominion Resources Services, Inc.
Feemster, Bryan	City Utilities of Springfield, Missouri	Hogge, Rachel	Dominion Transmission, Inc.
Hale, Kenneth J.	City Utilities of Springfield, Missouri	Miller, Rebecca	Dominion Transmission, Inc.
Tennyson, John	City Utilities of Springfield, Missouri	Tomlinson, Ronald G.	Dominion Transmission, Inc.
Hoang, Na	Colorado Springs Utilities	Musial, Jim	DTE Energy
Toledano, Donna	Colorado Springs Utilities	Kramer, Bernard	DTE Gas Company
Koch, Kent E.	Columbia Gas of Kentucky	Jones, Dan	Duke Energy Corporation
Gibson, Tom	Columbia Gas of Maryland	Schafer, Anita M.	Duke Energy Corporation
Goddard, Aaron	Columbia Gas of Maryland	Peoples, John	Duquesne Light
Tulchinsky, Don	Columbia Gas of Massachusetts	Casey, Joe	East Tennessee Natural Gas, L.L.C
Burke, Lynn M	Columbia Gas of Ohio, Inc.	Worthington, Kerry	Eastern Interconnection States Planning Council (EISPC)
Millar, Debra	Columbia Gas of Pennsylvania	Vidas, Harry	Eastern Interconnection States Planning Council (EISPC) -ICFI
Woosley, Stephen	Columbia Gas of Virginia	Shahidehpour, Mohammad	Eastern Interconnection States Planning Council (EISPC) -IIT
Brown, Tyler	Columbia Gas Transmission Corporation	Owens, David	Edison Electric Institute (EEI)
McCord, Steve	Columbia Gas Transmission Corporation	Parikh, Lopa	Edison Electric Institute (EEI)
Gagliardi, Kristine	Columbia Gulf Transmission		
Plumaj, Joshua	Columbia Gulf Transmission		

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Company Name

Lemmie, Valerie	EISPC	Stuchell, Jeff	FirstEnergy Solutions
Gross, Stanley	El Paso Electric	Mancuso, Melanie	FirstEnergy Utilities
Haas, Paul	El Paso Natural Gas Company, L.L.C.	Reeping, Robert	FirstEnergy Utilities
Anthony, Susan	Electric Reliability Council of Texas, Inc. (ERCOT)	Rivers, Cynthia	Fitchburg Gas & Electric Light Company
Anderson, John	Electricity Consumers Resource Council (ELCON)	Rivers, Cynthia	Florida Gas Transmission, LLC
Hughes, John	Electricity Consumers Resource Council (ELCON)	Morris, Art	Florida Power & Light
Henry, Mike	Emera Energy	Shoemaker, Mike	FortisBC Energy Inc.
Szubielski, Will	Emera Energy Services, Inc.	Lane, Bryan	FortisBC Energy, Inc.
Metz, Cary	Enable Energy Resources	Braun, Christine	FortisBC Huntingdon Inc.
Price, Valerie	Enable Gas Transmission	Applekamp, Jeff	Gas Processors Association, (Regulatory Affairs Committee)
Thornton, Kathy	Enbridge Inc.	Gee, Bob	Gee Strategies Group, LLC
Walsh, Lisa	Encana Oil and Gas	Willis, Troy	Georgia Transmission Corporation
Moreno, Richard	Energy Transfer	Hoffman, Marvin	Gill Ranch Storage Company
Wagner, Tom	Entergy Nuclear Power Marketing, LLC	Roberts, Emily	Gill Ranch Storage Company
Clausen, Brad	Entergy Services, Inc.	Glines, Brent	Golden Spread Electric Cooperative
Ginnetti, Jim	EquiPower Resources Corp	Watson, Kimberly	Golden Triangle Storage, Inc.
Hanson, Kevin	ERCOT	Singh, Harry	Goldman, Sachs & Co.
Betancourt, Ramona	ETC Tiger Pipeline LLC	Garcia, Clarissa	Goldman, Sachs & Co.   J. Aron & Co.
Young, Christopher	Exelon	Conneely, Joe	Granite State Gas Transmission System
Ryu, Heejin	Exelon Generation	Ege, Katie	Great River Energy
Dragulescu, Adrian	Exelon Generation Company, LLC	Bishop, Cary M.	Greenwood Commissioners of Public Works (CPW)
Simpkins, Lisa	Exelon Generation Company, LLC	Pedersen, Norman	Hanna and Morton LLP
Omey, Samantha	ExxonMobil Corporation / XTO Energy Inc.	Philips, Marjorie	Hess Energy Marketing, LLC (a Direct Energy Company)
Parker, Randy E.	ExxonMobil Gas and Power Marketing Company (a division of ExxonMobil Corporation)	Salese, Steve	Hess Energy Marketing, LLC (a Direct Energy Company)
Holmes, Brad	Fayetteville Express Pipeline	Gillingham, Rick	Hoosier Energy Rural Electric Cooperative, Inc.
Cockrell, Jessica L.	Federal Energy Regulatory Commission (FERC)	Horton, Rob	Hoosier Energy Rural Electric Cooperative, Inc.
Fernandez, Anna	Federal Energy Regulatory Commission (FERC)	Nance, Peter	ICF International
Goldenberg, Mike	Federal Energy Regulatory Commission (FERC)	Downey, Carrie	Imperial Irrigation District
Snow, Robert V.	Federal Energy Regulatory Commission (FERC)	Ginsberg, Susan	Independent Petroleum Association of America (IPAA)
Wozniak, Caroline	Federal Energy Regulatory Commission (FERC)	Pauley, Bob	Indiana Commission
Marton, David	FirstEnergy	Dininger, Dennis	Indianapolis Power & Light Company (IPL)
Meehan, James H.	FirstEnergy Corporation	Patrick, Marguerite (Becky)	Infinite Energy
Fuerst, Gary	FirstEnergy Service Co.	Vesuvio, Vincent	Infinite Energy
		Reetz, Jenny	Integrus Energy Group, Inc.

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Company Name

Selsmeyer, Patrick J.	Integrus Energy Services, Inc.	Engels, William	Los Angeles Department of Water & Power
Benson, Marty	Intermountain Gas Company		
Robbins, Chris	Intermountain Gas Company	Batra, Sharat	Los Angeles Department of Water and Power
Whiting, Joh	Intermountain Gas Company	Kasha, Priscila	Los Angeles Department of Water and Power
Daley, Kate	Interstate Natural Gas Association of America	Castillo	Los Angeles Department of Water and Power
Dreskin, Joan	Interstate Natural Gas Association of America (INGAA)	Luck, Rodney	Los Angeles Department of Water and Power
Gwilliam, Tom	Iroquois Gas Transmission System	Pettinato, Robert	Los Angeles Department of Water and Power
Flynn, Kevin	ISO New England, Inc.	Nicolay, Christi	Macquarie Energy LLC
Kirby, Kevin	ISO New England, Inc.	Saini, Ishwar	Macquarie Energy LLC
Robinson, Dennis	ISO New England, Inc.	Wisersky, Megan	Madison Gas & Electric Company
Bear, John	ISO/RTO Council (IRC)	Penner, Audrey	Manitoba Hydro
Morais, Matthew	ISO/RTO Council (IRC)	Devers, Janice	Maritimes & Northeast Pipeline, L.L.C. – US
Brooks, Kelly	J. Aron & Company (Goldman, Sachs & Co.	Morrison, Andrew	MarkWest Energy Partners, L.P.
Horn, Jennifer	JEA	Durocher, Jeremy	MCP Operating, LLC
Locke, Michael	JEA	Weaver, Alonzo	Memphis Light, Gas & Water Division
Bell, John S.	Kansas Corporation Commission	Knight, Jim	Metropolitan Utilities District
Thorn, Terence (Terry)	KEMA Gas Consulting Services	Bellairs, David A.	Metropolitan Utilities District of Omaha
Joosten, John	Kern River Gas Transmission Company	Butcher, Angie	Michigan Public Service Commission
Martin, Brenda	Kern River Gas Transmission Company	Janssen, Bonnie	Michigan Public Service Commission
Nielsen, Janie	Kern River Gas Transmission Company	Poli, Patricia	Michigan Public Service Commission
Gracey, Mark	Kinder Morgan Inc	Allenback, Peggi	MidAmerican Energy Company
Nowak, Gene	Kinder Morgan Inc	Baird-Forristall, Caroline	MidAmerican Energy Company
Crysler, Dan	Latitude Technologies, Inc.	Dillavou, Jay H.	MidAmerican Energy Company
Mills, Ron	Latitude Technologies, Inc.	Ruperto, Melinda	MidAmerican Energy Company
Murphy, Kyle	Latitude Technologies, Inc.	Williams, Richard	Midcontinent Express Pipeline LLC
Mysore, Sunil	Latitude Technologies, Inc.	Olling, Kevin	Midland Cogeneration Venture LP
Spangler, Leigh	Latitude Technologies, Inc.	Knox, Marie	MISO
Oelker, Linn C.	LG&E and KU Services Company	Short, Tag	MISO
DaFonte, F. Chico	Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a Liberty Utilities	Skiba, Ed	MISO
Bogdan, Candace	Liberty Utilities (Midstates Natural Gas) Corp.	Thoms, Eric	MISO
DeBruin, Martin	Liberty Utilities (New England Natural Gas Company) Corp.	Vannoy, Kevin	MISO
Maffa, Paul	Liberty Utilities (Peach State Natural Gas) Corp.	Liang-Nicol, Cecilia	Monongahela Power Company
Kahle, Dick	Lincoln Electric System	Griffin, Bret	Municipal Electric Authority of Georgia
		Smith, Jim	Municipal Energy Resources Corporation
		Copeland, Karen	Municipal Gas Authority of Georgia
		Frey, Michael	Municipal Gas Authority of Georgia

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Company Name

Lobdell, Julie	Municipal gas Authority of Georgia	Cardone, Ernie	New York ISO
Keogh, Miles	National Association of Regulatory Utility Commissioners (NARUC)	Joseph, Kelli	New York ISO
Ramsey, Brad	National Association of Regulatory Utility Commissioners (NARUC)	Charles-Joseph, Debbie	New York State Electric and Gas Corporation
Thomas, Sharon	National Association of Regulatory Utility Commissioners (NARUC)	Ellsworth, Bruce	New York State Reliability Council
Goodman, Craig	National Energy Marketers Association (NEM)	Lavarco, William	NextEra Energy Power Marketing, LLC
Novak, Mike	National Fuel Gas Distribution Corporation	Butler, James	NiSource Inc.
Conte, Tony	National Fuel Gas Supply Corporation	Raval, Deepak	NiSource Inc.
Kupczyk, Debbie	National Fuel Gas Supply Corporation	Bartoszek, Stacy	NJR Energy Services
Reitz, David	National Fuel Gas Supply Corporation	Richman, Ginger	NJR Energy Services Company
Jaffe, Samara	National Grid	Smith, Richard	Noble Energy, Inc.
Stanzione, James A.	National Grid	Burgess, Tom	North American Electric Reliability Corporation (NERC)
Nichols, Marshall	National Petroleum Council	Lauby, Mark	North American Electric Reliability Corporation (NERC)
Barua, Rajnish	National Regulatory Research Institute (NRRRI)	Moura, John	North American Electric Reliability Corporation (NERC)
Mohre, David	National Rural Electric Cooperative Association (NRECA)	Booe, Jonathan	North American Energy Standards Board
Silberstein, Pam	National Rural Electric Cooperative Association (NRECA)	Boswell, William	North American Energy Standards Board
Love, Paul	Natural Gas Pipeline Company of America LLC	Mallett, Elizabeth	North American Energy Standards Board
Jagtiani, Patricia	Natural Gas Supply Association (NGSA)	McQuade, Rae	North American Energy Standards Board
Page, Carly	Natural Gas Supply Association (NGSA)	Rager, Denise	North American Energy Standards Board
Wiggins, Dena	Natural Gas Supply Association (NGSA)	Thomason, Veronica	North American Energy Standards Board
Sappenfield, Keith	Natural Resource Group, LLC	Trum, Caroline	North American Energy Standards Board
Razack, Abdul	Nevada Power	Manning, James	North Carolina Electric Membership Corporation
Davis, Noy S.	New England LDCs	Wilkins, Jimmy	North Carolina Electric Membership Corporation
Palmer, Debra Ann	New England LDCs	Djukic, Stacy	Northern Indiana Public Service Company
Rudiak, John	New England LDCs	Pysh, Tom	Northern Indiana Public Service Company
Anderson, Bruce	New England Power Generators Association, Inc.	Begley, Mark	Northern Natural Gas
Ferreira, Kathy	New Jersey Natural Gas Company	Demman, Laura K.	Northern Natural Gas
Rudd, Douglas	New Jersey Natural Gas Company	Gilbert, Steve	Northern Natural Gas
Shah, Jayana	New Jersey Natural Gas Company	Miller, Mary Kay	Northern Natural Gas
DeCoursey, Erica	New Mexico Gas Company	Schmitz, Micki	Northern Natural Gas
Hussey, Monica	New Mexico Gas Company	Weidner, James	Northern Natural Gas
Murray, Gary	New Mexico Gas Company		
Tilbury, Joshua	New Mexico Gas Company		

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Company Name

Wonder, Vickie	Northern Natural Gas	Gee, Dennis	Pacific Gas and Electric Company (PG&E)
Hartigan, Ann	Northern Utilities, Inc.	Goldbeck, Glenn	Pacific Gas and Electric Company (PG&E)
Finklea, Edward	Northwest Industrial Gas Users	Janopaul, Margi	Pacific Gas and Electric Company (PG&E)
Friedman, Randy	Northwest Natural	Lapera, Laura	Pacific Gas and Electric Company (PG&E)
Lee, Amy	Northwest Natural	McDermott, Mike	Pacific Gas and Electric Company (PG&E)
McAnally, Robert	Northwest Natural	McLafferty, Dan	Pacific Gas and Electric Company (PG&E)
Mott, Michael	Northwest Natural	Morris, Alex	Pacific Gas and Electric Company (PG&E)
Bergles, Susan	Northwest Natural Gas Company	Petersen, Don	Pacific Gas and Electric Company (PG&E)
Cordts, Margaret	NorthWestern Energy	Ulloa, John	Pacific Gas and Electric Company (PG&E)
Markovich, Kevin	NorthWestern Energy	Vu, Mia	Pacific Gas and Electric Company (PG&E)
Dauer, Jim	NRG Energy	Morrissey, Tomas	Pacific Northwest Utilities Conference Committee
O'Hara, Chris	NRG Energy, Inc.	Evans, Bruce	PacifiCorp
Stutzman, Rain	NRG Energy, Inc.	Soreng, Erik	PacifiCorp
Katz, Andrew	NSTAR	Anderson, Mark	Paiute Pipeline Company
Chang, Stacy	NV Energy	Crabtree, David	Peoples Gas System, a Division of Tampa Electric
Hart, Anita	NV Energy	Grimard, Wraye	Peoples Gas System, a Division of Tampa Electric
Baxter, James	Oglethorpe Power Corp.	Foutch, Jeffrey	Peregrine Midstream Partners LLC
Billiot, Scott	Oglethorpe Power Corp.	Anderson, Pam	Perkins Coie LLP
Harrel, Scott	Oglethorpe Power Corp.	Maust, Keith	Piedmont Natural Gas
Orr, Bryant	Oglethorpe Power Corp.	Mendoza, Michelle	Piedmont Natural Gas
Bruechner, Paul	Okaloosa Gas District	Brownell, Stanley	PJM Interconnection, LLC
King, Gordon	Okaloosa Gas District	Bryson, Michael	PJM Interconnection, LLC
Tatum, Ed	Old Dominion Electric Coop	Glazer, Craig	PJM Interconnection, LLC
Langel, Gina	Omaha Public Power District	Helm, M. Gary	PJM Interconnection, LLC
Theobald, David	Omaha Public Power District	Koza, Frank	PJM Interconnection, LLC
Jurney, Nancy	ONEOK	Broderick, Kyle	Portland General Electric Company
Mucci, Ron	ONEOK	Casey, Bill	Portland General Electric Company
Nishimuta, Lisa	ONEOK	Davis, Shawn	Portland General Electric Company
Rogers, Sara	ONEOK	Gary, Tina	Portland General Electric Company
Tingler, Teri	ONEOK	Horner, Jason	Portland General Electric Company
Adams, Denise	ONEOK Partners	Millard, Ryan	Portland General Electric Company
Gent, Michehl	Open Access Technology International, Inc.	Peschka, Terri	Portland General Electric Company
Sahba, Shahriar	Open Access Technology International, Inc.		
Kisluk, Eileen Wilson	PAA Natural Gas Storage		
Reese, Benjamin J.	PAA Natural Gas Storage		
Reid, John D.	PAA Natural Gas Storage		
Armato, John	Pacific Gas and Electric Company (PG&E)		
Fan, Chris	Pacific Gas and Electric Company (PG&E)		

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Company Name

Sixkiller, Heather	Portland General Electric Company	Smead, Rick	RBN Energy LLC
Ward, Tom	Portland General Electric Company		Red Willow Production Company owned by the Southern Ute Indian Tribe
Yildirok, Val	Portland General Electric Company	Percell, Cynthia	
Nilsson, David	Power Costs, Inc. (PCI)	Jordan, Deena	Regency Energy Partners LP
Elgie, Tom	Powerex Corp.	Roth, Tom	Roth Energy Company
Leuschen, Sam	PPA Natural Gas Storage, LLC	Jones, Paul	Salt River Project Agricultural Improvement & Power District
Weber, Sharon	PPL EnergyPlus, LLC	Lehman, Richard	Salt River Project Agricultural Improvement & Power District
Grassi, Bob	PPL Services Corporation	Pennock, Lori-Lynn	Salt River Project Agricultural Improvement & Power District
Minneman, Jim	PPL Solutions, LLC	Price, Kent E.	Salt River Project Agricultural Improvement & Power District
Anker, Alisha	Prairie Power, Inc.	Calhoun, John Anthony	Santee Cooper
Breden, Dan	Prairie Power, Inc.	Horne, Glenda	Santee Cooper
Breezeel, Phillip	Prairie Power, Inc.	Salisbury, Chad	Santee Cooper
Leesman, Katie	Process Gas Consumers Group (Ballard Spahr LLP rep)	Gill, Paul	Sea Robin Pipeline company, LLC
Hill, Audrea	PSC Nitrogen Fertilizer, L.P.	Reid, Jack	Seminole Electric Cooperative, Inc.
Caffery, David	PSEG Energy Resources & Trade LLC	Ellis, John	Sempra Utilities
Kijowski, Drake R.	PSEG Energy Resources and Trade LLC	Russo, Chris	Sequent Energy Management, L.P.
Crawford, Ernie	Public Service Company of New Mexico	Kerr, Paul	Shell Energy North America (Canada)
Maestas, Steve	Public Service Company Of New Mexico	Gold, Amy	Shell Energy North America (US) L.P.
Czigler, Frank	Public Service Electric and Gas Company	Kepper, Stewart	Shell Exploration and Production Company
Dewar, Mark	Puget Sound Energy	Pierson, Damonica	Shell Exploration and Production Company
Haines, Phil	Puget Sound Energy	Vance, Kevin	Shell Oil Products US
Taylor, Brandon	Puget Sound Energy	Hurley, Jesse D.	Shift Systems, LLC
Bryant, Shawn	Puget Sound Energy, Inc.	Tardy, Ryan	Sierra Pacific LDC
Crowley, Colin	Puget Sound Energy, Inc.	Suga, Glenn	Sierra Pacific Power Company
Donahue, Bill	Puget Sound Energy, Inc.	Lander, Gregory	Skipping Stone, LLC
Foley, Kevin	Puget Sound Energy, Inc.	Bellville, Nathan T.	South Mississippi Electric Power Association (SMEPA)
Garner, David	Puget Sound Energy, Inc.	Rudolphi, Matthew R.	South Mississippi Electric Power Association (SMEPA)
Hammer, Mark	Puget Sound Energy, Inc.	Weinber, Bob	South Mississippi Electric Power Association (SMEPA)
Harshbarger, Bob	Puget Sound Energy, Inc.	Alexander, Michael S.	Southern California Edison
Kennedy, Mariah	Puget Sound Energy, Inc.	Borkovich, Paul	Southern California Gas Company
Kvam, Michele	Puget Sound Energy, Inc.	Chang, Ibtissam	Southern California Gas Company
Osborne, Sheree	Puget Sound Energy, Inc.	Dandridge, Michelle M.	Southern California Gas Company
Smith, Chris	Puget Sound Energy, Inc.		
Hanchey, Jeannette	PXD		
Faust, Tina	Questar Gas Company		
Gross, Jerry H.	Questar Pipeline Company		
Hogarth, Cleve	Quorum Business Solutions, Inc.		

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Company Name

Ishikawa, Richard	Southern California Gas Company	Callager, Montie	Targa Resources Inc.
Lasa, Dulce	Southern California Gas Company	Simon, Timothy	TAS Strategies
Musich, Beth	Southern California Gas Company	Kennedy, Andrew	TECO / Peoples Gas System
Wah, Pauline C.	Southern California Gas Company	Corritore, Janet	Tenaska
Ciza, John	Southern Company Services, Inc.	Fossum, Drew	Tenaska Energy, Inc.
Grover, Scott	Southern Company Services, Inc.	Shumway, Neal	Tenaska Marketing Ventures
Hiller, Roy	Southern Company Services, Inc.	Glazebrook, Sherri	Tennessee Gas Pipeline Company, L.L.C.
Moore, Wayne	Southern Company Services, Inc.	Crockett, Valerie	Tennessee Valley Authority
Wood, JT	Southern Company Services, Inc.	Feagans, Chuck	Tennessee Valley Authority
Field, Douglas	Southern Star Central Gas Pipeline, Inc.	Moates, Robin	Tennessee Valley Authority
Gray, Kevin	Southern Star Central Gas Pipeline, Inc.	Sperazza, Justin	Tennessee Valley Authority
Hensley II, Ronnie C.	Southern Star Central Gas Pipeline, Inc.	York, Kathy	Tennessee Valley Authority
Matthews, Jennifer	Southern Star Central Gas Pipeline, Inc.	Boucher, Jennifer	The Berkshire Gas Company
Renshaw, Kevin	Southern Star Central Gas Pipeline, Inc.	Bagot, Nance	The Electric Power Supply Association (EPSA)
McCoy, Matt	SouthernStar Central Gas Pipeline	Cashin, Jack	The Electric Power Supply Association (EPSA)
Mosley, Scott	SouthStar Energy Services, LLC	Fort, Jim	The Energy Authority, Inc.
Olenick, John	Southwest Gas Corporation	McCord, Tom	The Energy Authority, Inc.
Sauer, Megan	Southwest Gas Transmission Company	Santa, Don	The Interstate Natural Gas Association of America (INGAA)
Desselle, Michael	Southwest Power Pool	Culpepper, Les	The Southeast Alabama Gas District
Phillips, Joshua	Southwest Power Pool	Pranaitis, Mark	The Southern Connecticut Gas Company
Shiple, Don	Southwest Power Pool	DeBoissiere, Alex	The United Illuminating Company
Yeung, Charles	Southwest Power Pool	Pleasant, Rochelle	Total
Sanders, Shane	Southwest Transmission Cooperative, Inc.	Carrette, Jeffrey	Total Gas and Power North America Inc.
Sanchez, Andy	Southwestern Energy Company	Hill, Sherry	TransCanada PipeLines
Burch, Kathryn	Spectra Energy Corp	Pollard, Joseph	TransCanada US Pipelines
Doss, Megan	Spectra Energy Corp	Word, Garrett	TransCanada US Pipelines
Cymes, Jim	Steckman Ridge	Washington, Kathy	Transwestern Pipeline
Daly, Kelly A.	Stinson Leonard Street LLP (Arizona Public Service Corp)	Bormack, Mitchell	TRC Solutions
Nolte, Bill	Sunflower Electric Power Corporation	Hardy, Dave	Tri-State Generation and Transmission Association, Inc.
Williams, Noman	Sunflower Electric Power Corporation	Bradbury, Debbie	Trunkline Gas Company
Munson, Sylvia	SunGard Energy	Bowling, Michael	Tucson Electric Power Company
Buhr, Dave	Superior Water, Light and Power	Pederson, Blake	Tucson Electric Power Company
Konieczny, Alexandra D.	Sutherland Asbill & Brennan LLP	Willins, Steve	U.S. Energy Services, Inc.
Meriwether, Tom	Targa Resources	Morrow, Mark C.	UGI Corporation
Patton, Gail	Targa Resources	Mayette, Joe	United States Gypsum Company
		Furino, Robert S.	Unitil

Appendix A: List of Gas- Electric Harmonization Forum Participants  
 Sorted by Company Name

Simpson, Carleton	Unitil Energy Systems	Colussy, Peter	Xcel Energy
Foss, Michelle	University of Texas	Derryberry, Richard	Xcel Energy
Dickens, Dwayne	UNS Electric	Hild, Feffrey	Xcel Energy
Shields, Justin	UNS Electric	Luner, Jared M.	Xcel Energy
Freitas, Christopher	US Department of Energy	Metzker, Amber L.	Xcel Energy
Follmer, Annette	USG Corporation	Karanian, Edna	Yankee Gas Services Company
Fuentes, Daryll	USG Corporation		
Persekian, Joe	USG Corporation		
Fulton, Brian	USN Gas Inc.		
Gray, Dax	Utah Associated Municipal Power Systems (UAMPTS)		
Battams, Ahuva Z.	Van Ness Feldman LLP		
Diamond, Michael	Van Ness Feldman LLP		
Epifani, Lisa E.	Van Ness Feldman, P.C.		
Beck, Elizabeth	Vectren Corporation		
Christian, Ron	Vectren Corporation		
Pergola, Perry M.	Vectren Corporation		
Retherford, Angila	Vectren Corporation		
Gallagher, William	Vermont Public Power Supply Authority		
Wetter, Kari	Wabash Valley Power Association, Inc.		
Blasiak, James L.	Washington Gas Light Company		
Lennon, Rose	Washington Gas Light Company		
Brooks, Kelly R.	WBI Energy Transmission, Inc.		
Martin, Beth	We Energies		
Gardner, Wayne	WE Gardner Company LLC		
Davis, Dale	Williams		
Dinkins, Phaedra	Williams		
Waugh, Deborah	Williams – Discovery Gas Transmission		
Dahlberg, Lynn	Williams – Northwest Pipeline		
Pace, Dawnell	Williams – Northwest Pipeline, LLC		
Burden, Christopher	Williams – Pine Needle LNG		
Mata, Antelmo	Williams - Transco		
Casey, Melissa	Williams – Transco		
Baumgart, Julie A.	Wisconsin Public Service		
Hathaway, Dave	Wisconsin Public Service		
Martin, Tim	Wolverine Power Supply Cooperative		
Kerrigan, Lily	Wright & Talisman, P.C.		
Thompson, Michael J.	Wright & Talisman, P.C.		
Bougnier, Mike	Xcel Energy		

Appendix B: Meeting Minutes, Presentations, Work Papers and Voting Records

APPENDIX B – MEETING MINUTES, PRESENTATIONS, WORK PAPERS AND VOTING RECORDS		
DATE	LINKS TO MINUTES AND VOTING RECORDS	LINKS TO PRESENTATIONS AND WORK PAPERS
3-27-14	NAESB Gas-Electric Harmonization (Conference Call) Meeting Notes: <a href="http://www.naesb.org/pdf4/geh032714notes.docx">http://www.naesb.org/pdf4/geh032714notes.docx</a>	Correspondence from M. Desselle, NAESB Chairman to the GEH: <a href="http://www.naesb.org/pdf4/correspondence_mdesselle_032514_geh.pdf">http://www.naesb.org/pdf4/correspondence_mdesselle_032514_geh.pdf</a>
4-1-14 AM	NAESB Gas-Electric Harmonization (Conference Call) Meeting Minutes: <a href="http://www.naesb.org/pdf4/geh_040114am_notes.docx">http://www.naesb.org/pdf4/geh_040114am_notes.docx</a>	Segments and Balanced Voting Review: <a href="http://www.naesb.org/pdf4/geh_040114am_w1.doc">http://www.naesb.org/pdf4/geh_040114am_w1.doc</a> Correspondence from M. Desselle, NAESB Chairman to the GEH: <a href="http://www.naesb.org/pdf4/correspondence_mdesselle_032514_geh.pdf">http://www.naesb.org/pdf4/correspondence_mdesselle_032514_geh.pdf</a> NAESB Primer on Standards Development: <a href="http://www.naesb.org/pdf4/naesb_primer_2013.pdf">http://www.naesb.org/pdf4/naesb_primer_2013.pdf</a> NAESB Membership Chart - March 19, 2014: <a href="http://www.naesb.org/pdf4/membership_chart_031914.ppt">http://www.naesb.org/pdf4/membership_chart_031914.ppt</a> Membership Report - March 19, 2014: <a href="http://www.naesb.org/pdf4/membership_report_031914.docx">http://www.naesb.org/pdf4/membership_report_031914.docx</a> NAESB Work Products: <a href="http://www.naesb.org/pdf4/naesb_work_products.docx">http://www.naesb.org/pdf4/naesb_work_products.docx</a>
4-1-14 PM	NAESB Gas-Electric Harmonization Meeting Notes: <a href="http://www.naesb.org/pdf4/geh_040114pm_notes.docx">http://www.naesb.org/pdf4/geh_040114pm_notes.docx</a>	GEH Proposed Timeline: <a href="http://www.naesb.org/pdf4/geh_040114pm_w1.doc">http://www.naesb.org/pdf4/geh_040114pm_w1.doc</a> GEH Timeline – April 1, 2014: <a href="http://www.naesb.org/pdf4/geh040114a1.doc">http://www.naesb.org/pdf4/geh040114a1.doc</a>
4-3-14	NAESB Board of Directors Meeting Minutes: <a href="http://www.naesb.org/pdf4/bd040314dm.docx">http://www.naesb.org/pdf4/bd040314dm.docx</a>	Assembled Board Materials: <a href="http://www.naesb.org/pdf4/bdbk040314.pdf">http://www.naesb.org/pdf4/bdbk040314.pdf</a> Board Agenda Cross Reference: <a href="http://www.naesb.org/pdf4/bd040314cross_ref.docx">http://www.naesb.org/pdf4/bd040314cross_ref.docx</a> Supplemental: GEH Timeline April 1, 2014: <a href="http://www.naesb.org/pdf4/geh040114a1.doc">http://www.naesb.org/pdf4/geh040114a1.doc</a> 2014 WGQ Annual Plan Adopted by the Board of Directors (Redline): <a href="http://www.naesb.org/pdf4/bd040314a1.docx">http://www.naesb.org/pdf4/bd040314a1.docx</a> 2014 WEQ Annual Plan Adopted by the Board of Directors (Redline): <a href="http://www.naesb.org/pdf4/bd040314a2.docx">http://www.naesb.org/pdf4/bd040314a2.docx</a>
4-4-14	NAESB Gas-Electric Harmonization Request for Presentations Due April 11, 2014	Request for Presentations Due April 11, 2014: <a href="http://www.naesb.org/pdf4/geh_forum040414req_presentations.doc">http://www.naesb.org/pdf4/geh_forum040414req_presentations.doc</a> NAESB Open Request for Presentation Reminder: <a href="http://www.naesb.org/pdf4/geh_forum040414req_presentations_reminder.doc">http://www.naesb.org/pdf4/geh_forum040414req_presentations_reminder.doc</a>

Appendix B: Meeting Minutes, Presentations, Work Papers and Voting Records

APPENDIX B – MEETING MINUTES, PRESENTATIONS, WORK PAPERS AND VOTING RECORDS		
DATE	LINKS TO MINUTES AND VOTING RECORDS	LINKS TO PRESENTATIONS AND WORK PAPERS
4-22/23-14	NAESB Gas-Electric Harmonization Forum Meeting Notes: <a href="http://www.naesb.org/pdf4/geh042214notes.docx">http://www.naesb.org/pdf4/geh042214notes.docx</a>	NAESB GEH Forum Distribution List: <a href="http://www.naesb.org/pdf4/naesb_geh_forum_distlist_2014.doc">http://www.naesb.org/pdf4/naesb_geh_forum_distlist_2014.doc</a> Antitrust Guidance: <a href="http://www.naesb.org/misc/antitrust_guidance.doc">http://www.naesb.org/misc/antitrust_guidance.doc</a> GEH Forum Timeline: <a href="http://www.naesb.org/pdf4/geh042214w1.pdf">http://www.naesb.org/pdf4/geh042214w1.pdf</a> Schedule of Meetings and Deliverables Revised April 10, 2014: <a href="http://www.naesb.org/pdf4/geh042214w1.pdf">http://www.naesb.org/pdf4/geh042214w1.pdf</a> Segment Descriptions: <a href="http://www.naesb.org/pdf4/geh042214w2.doc">http://www.naesb.org/pdf4/geh042214w2.doc</a> Voting Process: <a href="http://www.naesb.org/pdf4/geh042214w3.docx">http://www.naesb.org/pdf4/geh042214w3.docx</a> FERC Notice of Proposed Rulemaking, <i>Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities</i> : <a href="http://www.ferc.gov/whats-new/comm-meet/2014/032014/M-1.pdf">http://www.ferc.gov/whats-new/comm-meet/2014/032014/M-1.pdf</a> FERC NOPR Excerpts: <a href="http://www.naesb.org/pdf4/excerpts_ferc_nopr_rm14_2_000.docx">http://www.naesb.org/pdf4/excerpts_ferc_nopr_rm14_2_000.docx</a> Comparison of Proposals – GEH Forum Meeting April 22-23, 2014: <a href="http://www.naesb.org/pdf4/geh042214a1.pdf">http://www.naesb.org/pdf4/geh042214a1.pdf</a> Attendance on April 22-23, 2014: <a href="http://www.naesb.org/pdf4/geh_forum_attendee_list_0422_23_2014.pdf">http://www.naesb.org/pdf4/geh_forum_attendee_list_0422_23_2014.pdf</a>  <b><u>Presentations:</u></b> Natural Gas Council Presentation: <a href="http://www.naesb.org/pdf4/geh042214ngc.pdf">http://www.naesb.org/pdf4/geh042214ngc.pdf</a> ISO/RTO Council Presentation: <a href="http://www.naesb.org/pdf4/geh042214iso_rto.pdf">http://www.naesb.org/pdf4/geh042214iso_rto.pdf</a> INGAA Presentation: <a href="http://www.naesb.org/pdf4/geh042214ingaa.pdf">http://www.naesb.org/pdf4/geh042214ingaa.pdf</a> Northern Natural Gas Presentation: <a href="http://www.naesb.org/pdf4/geh042214nng.pdf">http://www.naesb.org/pdf4/geh042214nng.pdf</a> Washington Gas Light / Piedmont Natural Gas Presentation: <a href="http://www.naesb.org/pdf4/geh042214washgas_piedmont.pdf">http://www.naesb.org/pdf4/geh042214washgas_piedmont.pdf</a> Washington Gas Light / Piedmont Natural Gas Text: <a href="http://www.naesb.org/pdf4/geh042214washgas_piedmont_text.pdf">http://www.naesb.org/pdf4/geh042214washgas_piedmont_text.pdf</a> National Grid Presentation: <a href="http://www.naesb.org/pdf4/geh042214ngrid.pdf">http://www.naesb.org/pdf4/geh042214ngrid.pdf</a> Southern Company Services Presentation: <a href="http://www.naesb.org/pdf4/geh042214southern.pdf">http://www.naesb.org/pdf4/geh042214southern.pdf</a> PG&E / SoCal Presentation: <a href="http://www.naesb.org/pdf4/geh042214pge_socal.pdf">http://www.naesb.org/pdf4/geh042214pge_socal.pdf</a> Hess Energy Marketing (a Direct Energy Company) Presentation: <a href="http://www.naesb.org/pdf4/geh042214hess_energy_marketing.pdf">http://www.naesb.org/pdf4/geh042214hess_energy_marketing.pdf</a> Southwest Customer Group Presentation: <a href="http://www.naesb.org/pdf4/geh042214southwest_customer_group.pdf">http://www.naesb.org/pdf4/geh042214southwest_customer_group.pdf</a> Desert Southwest Pipeline Stakeholders Presentation: <a href="http://www.naesb.org/pdf4/geh042214dsps.pdf">http://www.naesb.org/pdf4/geh042214dsps.pdf</a> American Electric Power Presentation: <a href="http://www.naesb.org/pdf4/geh042214aep.pdf">http://www.naesb.org/pdf4/geh042214aep.pdf</a> Conservation Law Foundation / Skipping Stone Presentation: <a href="http://www.naesb.org/pdf4/geh042214clf_skipping_stone.pdf">http://www.naesb.org/pdf4/geh042214clf_skipping_stone.pdf</a>

Appendix B: Meeting Minutes, Presentations, Work Papers and Voting Records

APPENDIX B – MEETING MINUTES, PRESENTATIONS, WORK PAPERS AND VOTING RECORDS		
DATE	LINKS TO MINUTES AND VOTING RECORDS	LINKS TO PRESENTATIONS AND WORK PAPERS
5-5/6-14	NAESB Gas-Electric Harmonization Forum Meeting Notes: <a href="http://www.naesb.org/pdf4/geh050514notes.docx">http://www.naesb.org/pdf4/geh050514notes.docx</a> Aggregated Straw Poll Results: <a href="http://www.naesb.org/pdf4/geh050514a1.docx">http://www.naesb.org/pdf4/geh050514a1.docx</a> Individual Votes Tally: <a href="http://www.naesb.org/misc/geh050514_indiv_vote_tally.pdf">http://www.naesb.org/misc/geh050514_indiv_vote_tally.pdf</a>	NAESB GEH Forum Distribution List: <a href="http://www.naesb.org/pdf4/naesb_geh_forum_distlist_2014.doc">http://www.naesb.org/pdf4/naesb_geh_forum_distlist_2014.doc</a> Antitrust Guidance: <a href="http://www.naesb.org/misc/antitrust_guidance.doc">http://www.naesb.org/misc/antitrust_guidance.doc</a> Voting Process: <a href="http://www.naesb.org/pdf4/geh042214w3.docx">http://www.naesb.org/pdf4/geh042214w3.docx</a> Segment Descriptions: <a href="http://www.naesb.org/pdf4/geh042214w2.doc">http://www.naesb.org/pdf4/geh042214w2.doc</a> Timeline: <a href="http://www.naesb.org/pdf4/geh042214w1.pdf">http://www.naesb.org/pdf4/geh042214w1.pdf</a> FERC Notice of Proposed Rulemaking, <i>Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities</i> : <a href="http://www.ferc.gov/whats-new/comm-meet/2014/032014/M-1.pdf">http://www.ferc.gov/whats-new/comm-meet/2014/032014/M-1.pdf</a> FERC NOPR Excerpts: <a href="http://www.naesb.org/pdf4/excerpts_ferc_nopr_rm14_2_000.docx">http://www.naesb.org/pdf4/excerpts_ferc_nopr_rm14_2_000.docx</a> Comparisons of proposals: <a href="http://www.naesb.org/pdf4/naesb_geh_proposal_comparison_0422_23_2014.pdf">http://www.naesb.org/pdf4/naesb_geh_proposal_comparison_0422_23_2014.pdf</a> RSVP List by Last Name <a href="http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_name_050514.pdf">http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_name_050514.pdf</a> RSVP List by Company <a href="http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_company_050514.pdf">http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_company_050514.pdf</a> RSVP List by Quadrant and Segment <a href="http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_quadrant_segment_050514.pdf">http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_quadrant_segment_050514.pdf</a> Comparisons of Proposals – Revised May 5-6, 2014: <a href="http://www.naesb.org/pdf4/geh050514a2.docx">http://www.naesb.org/pdf4/geh050514a2.docx</a> Meeting Discussion of Issues – May 5-6, 2014: <a href="http://www.naesb.org/pdf4/geh050514a3.docx">http://www.naesb.org/pdf4/geh050514a3.docx</a> Attendance on May 5-6, 2014: <a href="http://www.naesb.org/misc/naesb_geh_forum_attendee_list_0505-0614.pdf">http://www.naesb.org/misc/naesb_geh_forum_attendee_list_0505-0614.pdf</a>
5-13-14	NAESB Gas-Electric Harmonization Forum Survey	NAESB GEH Forum Survey Due May 16, 2014: <a href="http://www.naesb.org/pdf4/geh051314survey.docx">http://www.naesb.org/pdf4/geh051314survey.docx</a> NAESB GEH Forum Survey Aggregated Straw Poll Results: <a href="http://www.naesb.org/pdf4/geh051314survey_results.docx">http://www.naesb.org/pdf4/geh051314survey_results.docx</a>

Appendix B: Meeting Minutes, Presentations, Work Papers and Voting Records

APPENDIX B – MEETING MINUTES, PRESENTATIONS, WORK PAPERS AND VOTING RECORDS		
DATE	LINKS TO MINUTES AND VOTING RECORDS	LINKS TO PRESENTATIONS AND WORK PAPERS
5-22/23-14	NAESB Gas-Electric Harmonization Forum Meeting Notes: <a href="http://www.naesb.org/pdf4/geh052214dm.docx">http://www.naesb.org/pdf4/geh052214dm.docx</a> Aggregated Straw Poll Results: <a href="http://www.naesb.org/pdf4/geh052214a2.docx">http://www.naesb.org/pdf4/geh052214a2.docx</a> Individual Votes Tally: <a href="http://www.naesb.org/misc/geh_forum_individual_vote_tally_0522-2314.pdf">http://www.naesb.org/misc/geh_forum_individual_vote_tally_0522-2314.pdf</a>	NAESB GEH Forum Distribution List: <a href="http://www.naesb.org/pdf4/naesb_geh_forum_distlist_2014.doc">http://www.naesb.org/pdf4/naesb_geh_forum_distlist_2014.doc</a> Antitrust Guidance: <a href="http://www.naesb.org/misc/antitrust_guidance.doc">http://www.naesb.org/misc/antitrust_guidance.doc</a> Voting Process: <a href="http://www.naesb.org/pdf4/geh042214w3.docx">http://www.naesb.org/pdf4/geh042214w3.docx</a> Segment Descriptions: <a href="http://www.naesb.org/pdf4/geh042214w2.doc">http://www.naesb.org/pdf4/geh042214w2.doc</a> Timeline: <a href="http://www.naesb.org/pdf4/geh042214w1.pdf">http://www.naesb.org/pdf4/geh042214w1.pdf</a> FERC Notice of Proposed Rulemaking, <i>Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities</i> : <a href="http://www.ferc.gov/whats-new/comm-meet/2014/032014/M-1.pdf">http://www.ferc.gov/whats-new/comm-meet/2014/032014/M-1.pdf</a> FERC NOPR Excerpts: <a href="http://www.naesb.org/pdf4/excerpts_ferc_nopr_rm14_2_000.docx">http://www.naesb.org/pdf4/excerpts_ferc_nopr_rm14_2_000.docx</a> Comparisons of proposals: <a href="http://www.naesb.org/pdf4/geh050514a2.docx">http://www.naesb.org/pdf4/geh050514a2.docx</a> RSVP List by Last Name: <a href="http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_name_052214.pdf">http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_name_052214.pdf</a> RSVP List by Company: <a href="http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_company_052214.pdf">http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_company_052214.pdf</a> RSVP List by Quadrant and Segment: <a href="http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_quadrant_segment_052214.pdf">http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_quadrant_segment_052214.pdf</a> May 13 Survey: <a href="http://www.naesb.org/pdf4/geh051314survey.docx">http://www.naesb.org/pdf4/geh051314survey.docx</a> May 13 Survey Results: <a href="http://www.naesb.org/pdf4/geh051314survey_results.docx">http://www.naesb.org/pdf4/geh051314survey_results.docx</a> Straw Poll Packages - 05/22/2014: <a href="http://www.naesb.org/pdf4/geh052214w1.pdf">http://www.naesb.org/pdf4/geh052214w1.pdf</a> Survey Result Graphs (NOPR/ Presentations) - 05/22/2014: <a href="http://www.naesb.org/pdf4/geh052214w2.pdf">http://www.naesb.org/pdf4/geh052214w2.pdf</a> Survey Result Graphs (Segment Motions) - 05/22/2014: <a href="http://www.naesb.org/pdf4/geh052214w3.pdf">http://www.naesb.org/pdf4/geh052214w3.pdf</a> Straw Poll Results - 05/22/2014: <a href="http://www.naesb.org/pdf4/geh052214w4.xlsx">http://www.naesb.org/pdf4/geh052214w4.xlsx</a> Straw Poll Packages - 05/23/2014: <a href="http://www.naesb.org/pdf4/geh052214w5.pdf">http://www.naesb.org/pdf4/geh052214w5.pdf</a> GEH May 23, 2014 Final Four Alternative Proposals: <a href="http://www.naesb.org/pdf4/geh052214a1.docx">http://www.naesb.org/pdf4/geh052214a1.docx</a> Attendance on May 22-23, 2014: <a href="http://www.naesb.org/misc/naesb_geh_forum_attendee_list_0522-2314.pdf">http://www.naesb.org/misc/naesb_geh_forum_attendee_list_0522-2314.pdf</a>

Appendix B: Meeting Minutes, Presentations, Work Papers and Voting Records

APPENDIX B – MEETING MINUTES, PRESENTATIONS, WORK PAPERS AND VOTING RECORDS		
DATE	LINKS TO MINUTES AND VOTING RECORDS	LINKS TO PRESENTATIONS AND WORK PAPERS
6-2/3-14	NAESB Gas-Electric Harmonization Forum Meeting Notes: <a href="http://www.naesb.org/pdf4/geh060214notes.docx">http://www.naesb.org/pdf4/geh060214notes.docx</a> Aggregated Vote Tally: <a href="http://www.naesb.org/pdf4/geh060214a2.pdf">http://www.naesb.org/pdf4/geh060214a2.pdf</a> Individual Votes Tally: <a href="http://www.naesb.org/pdf4/geh060214a3.pdf">http://www.naesb.org/pdf4/geh060214a3.pdf</a>	NAESB GEH Forum Distribution List: <a href="http://www.naesb.org/pdf4/naesb_geh_forum_distlist_2014.doc">http://www.naesb.org/pdf4/naesb_geh_forum_distlist_2014.doc</a> Antitrust Guidance: <a href="http://www.naesb.org/misc/antitrust_guidance.doc">http://www.naesb.org/misc/antitrust_guidance.doc</a> Four alternative packages: <a href="http://www.naesb.org/pdf4/geh052214a1.docx">http://www.naesb.org/pdf4/geh052214a1.docx</a> RSVP List by Last Name for June 2-3 Meeting: <a href="http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_name_060214.pdf">http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_name_060214.pdf</a> RSVP List by Company for June 2-3 Meeting: <a href="http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_company_060214.pdf">http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_company_060214.pdf</a> RSVP List by Quadrant and Segment for June 2-3 Meeting: <a href="http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_quadrant_segment_060214.pdf">http://www.naesb.org/misc/naesb_geh_forum_rsvp_by_quadrant_segment_060214.pdf</a> Board June 4 Agenda and Announcement: <a href="http://www.naesb.org/pdf4/bd060414a.docx">http://www.naesb.org/pdf4/bd060414a.docx</a> Voting Process: <a href="http://www.naesb.org/pdf4/geh042214w3.docx">http://www.naesb.org/pdf4/geh042214w3.docx</a> Segment Descriptions: <a href="http://www.naesb.org/pdf4/geh042214w2.doc">http://www.naesb.org/pdf4/geh042214w2.doc</a> Updated Timeline: <a href="http://www.naesb.org/pdf4/geh_timeline.pdf">http://www.naesb.org/pdf4/geh_timeline.pdf</a> FERC Notice of Proposed Rulemaking, <i>Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities</i> : <a href="http://www.ferc.gov/whats-new/comm-meet/2014/032014/M-1.pdf">http://www.ferc.gov/whats-new/comm-meet/2014/032014/M-1.pdf</a> FERC NOPR Excerpts: <a href="http://www.naesb.org/pdf4/excerpts_ferc_nopr_rm14_2_000.docx">http://www.naesb.org/pdf4/excerpts_ferc_nopr_rm14_2_000.docx</a> May 13 Survey: <a href="http://www.naesb.org/pdf4/geh051314survey.docx">http://www.naesb.org/pdf4/geh051314survey.docx</a> May 13 Survey Results: <a href="http://www.naesb.org/pdf4/geh051314survey_results.docx">http://www.naesb.org/pdf4/geh051314survey_results.docx</a> Comparisons of May 5-6 proposals: <a href="http://www.naesb.org/pdf4/geh050514a2.docx">http://www.naesb.org/pdf4/geh050514a2.docx</a> GEH Forum Timeline, Schedule of Meetings and Deliverables - May 28, 2014: <a href="http://www.naesb.org/pdf4/geh060214w1.pdf">http://www.naesb.org/pdf4/geh060214w1.pdf</a> IRC Comments on 4AM Gas Day: <a href="http://www.naesb.org/pdf4/geh060214w2.docx">http://www.naesb.org/pdf4/geh060214w2.docx</a> Packages (Ballots) June 2-3, 2014: <a href="http://www.naesb.org/pdf4/geh060214a1.pdf">http://www.naesb.org/pdf4/geh060214a1.pdf</a> Attendance on June 2-3, 2014: <a href="http://www.naesb.org/misc/naesb_geh_forum_attendee_list_0602_0314.pdf">http://www.naesb.org/misc/naesb_geh_forum_attendee_list_0602_0314.pdf</a>
6-4-14	NAESB Board of Directors (Conference Call) Meeting Minutes: <a href="http://www.naesb.org/pdf4/bd060414dm.docx">http://www.naesb.org/pdf4/bd060414dm.docx</a>	Comparison of FERC Proposal to Existing NAESB Standards: <a href="http://www.naesb.org/pdf4/bd060414w1.docx">http://www.naesb.org/pdf4/bd060414w1.docx</a> Revised WGQ 2014 Annual Plan Adopted by the Board June 4, 2014: <a href="http://www.naesb.org/pdf4/bd060414a1.docx">http://www.naesb.org/pdf4/bd060414a1.docx</a> Correspondence from Michael Desselle, NAESB Board Chairman: <a href="http://www.naesb.org/pdf4/bd060414a2.pdf">http://www.naesb.org/pdf4/bd060414a2.pdf</a>

Appendix C: Links to Executive Committee Minutes, Comments and Voting Record Links

APPENDIX C – LINKS TO EXECUTIVE COMMITTEE MEETING MINUTES, COMMENTS AND VOTING RECORD LINKS			
DATE OF MEETING	LINK TO MINUTES AND EXECUTIVE COMMITTEE VOTING RECORDS	RECOMMENDATIONS THAT RESULTED IN STANDARD MODIFICATIONS	LINE TO COMMENTS SUBMITTED DURING FORMAL COMMENT PERIOD
8-21-14	Meeting Minutes: <a href="https://www.naesb.org/pdf4/wgq_ec082114_dm.docx">https://www.naesb.org/pdf4/wgq_ec082114_dm.docx</a>	Recommendation 2014 WGQ Annual Plan Item 11c - Develop new standards and modify existing standards to support the timelines for timely, evening, ID1, ID2 and ID3 nomination cycles as specified in Attachment A of this plan and make corresponding changes where necessary to other standards such as those that support capacity release programs. The standards should be neutral on gas day start times; meaning that all references to the 9 am CCT start of the gas day should be removed:  (Part 1 of 2) – Business Standards Language: <a href="https://www.naesb.org/member_login_check.asp?doc=wgq_ec082214a1.doc">https://www.naesb.org/member_login_check.asp?doc=wgq_ec082214a1.doc</a>  (Part 2 of 2) – Business Documentation and Implementation Guides: <a href="https://www.naesb.org/member_login_check.asp?doc=wgq_ec082214a2.docx">https://www.naesb.org/member_login_check.asp?doc=wgq_ec082214a2.docx</a>	Comments Submitted by K. Burch, Spectra Energy Corp: <a href="https://www.naesb.org/pdf4/wgq_071814_11c_spectra.docx">https://www.naesb.org/pdf4/wgq_071814_11c_spectra.docx</a>  Comments Submitted by A. Penner, Manitoba Hydro: <a href="https://www.naesb.org/member_login_check.asp?doc=wgq_071814_11c_manitoba_hydro.docx">https://www.naesb.org/member_login_check.asp?doc=wgq_071814_11c_manitoba_hydro.docx</a>  Comments Submitted by the American Gas Association: <a href="https://www.naesb.org/pdf4/wgq_071814_2014_ap11c_ap10_ap8_mc12042_mc12044_aga.docx">https://www.naesb.org/pdf4/wgq_071814_2014_ap11c_ap10_ap8_mc12042_mc12044_aga.docx</a>  Comments Submitted by T. Evey, Ameren Services Company: <a href="https://www.naesb.org/member_login_check.asp?doc=wgq_071814_11c_ameren.doc">https://www.naesb.org/member_login_check.asp?doc=wgq_071814_11c_ameren.doc</a>  Comments Submitted by A. Schafer, Duke Energy: <a href="https://www.naesb.org/pdf4/wgq_071814_11c_duke_energy.docx">https://www.naesb.org/pdf4/wgq_071814_11c_duke_energy.docx</a>  Comments Submitted by J. Sturm, ACES: <a href="https://www.naesb.org/pdf4/wgq_071814_11c_aces.pdf">https://www.naesb.org/pdf4/wgq_071814_11c_aces.pdf</a>  Comments Submitted by K. Daly on behalf of the Joint Parties listed - all of which are members of the Desert Southwest Pipeline Stakeholders: <a href="https://www.naesb.org/pdf4/wgq_071814_11c_joint_parties_of_desert_sw_pl_stakeholders.docx">https://www.naesb.org/pdf4/wgq_071814_11c_joint_parties_of_desert_sw_pl_stakeholders.docx</a>  Comments Submitted by C. Gold, Natural Gas Supply Association: <a href="https://www.naesb.org/pdf4/wgq_071814_11c_ngsa.pdf">https://www.naesb.org/pdf4/wgq_071814_11c_ngsa.pdf</a>  Comments Submitted by J. Phillips, ISO/RTO Council: <a href="https://www.naesb.org/pdf4/wgq_071814_11c_irc.docx">https://www.naesb.org/pdf4/wgq_071814_11c_irc.docx</a>  Comments Submitted by K. Daley, Interstate Natural Gas Association of America: <a href="https://www.naesb.org/pdf4/wgq_071814_11c_ingaa.pdf">https://www.naesb.org/pdf4/wgq_071814_11c_ingaa.pdf</a>  Comments Submitted by J. Phillips, Southwest Power Pool: <a href="https://www.naesb.org/pdf4/wgq_071814_11c_spp.pdf">https://www.naesb.org/pdf4/wgq_071814_11c_spp.pdf</a>  Comments Submitted by L. Ly, Kinetic Partners LLC: <a href="https://www.naesb.org/pdf4/wgq_071814_11c_kinetica.doc">https://www.naesb.org/pdf4/wgq_071814_11c_kinetica.doc</a>  Comments Submitted by C. Nicolay, Macquarie Energy LLC: <a href="https://www.naesb.org/member_login_check.asp?doc=wgq_071814_11c_macquarie.docx">https://www.naesb.org/member_login_check.asp?doc=wgq_071814_11c_macquarie.docx</a>

Appendix C: Links to Executive Committee Minutes, Comments and Voting Record Links

APPENDIX C – LINKS TO EXECUTIVE COMMITTEE MEETING MINUTES, COMMENTS AND VOTING RECORD LINKS			
DATE OF MEETING	LINK TO MINUTES AND EXECUTIVE COMMITTEE VOTING RECORDS	RECOMMENDATIONS THAT RESULTED IN STANDARD MODIFICATIONS	LINK TO COMMENTS SUBMITTED DURING FORMAL COMMENT PERIOD
			Comments Submitted by D. Davis, Williams: <a href="https://www.naesb.org/member_login_check.asp?doc=wgq_071814_11c_williams.docx">https://www.naesb.org/member_login_check.asp?doc=wgq_071814_11c_williams.docx</a>  Comments Submitted by J. Luner, Xcel Energy Services, Inc.: <a href="https://www.naesb.org/pdf4/wgq_071814_11c_xcel.pdf">https://www.naesb.org/pdf4/wgq_071814_11c_xcel.pdf</a>

Appendix D: Ratification Ballot and Ratification Results

APPENDIX D – RATIFICATION BALLOT AND RATIFICATION RESULTS

DATE OF MEETING	LINK TO BALLOT	LINK TO RATIFICATION RESULTS	RECOMMENDATIONS RATIFIED THAT RESULTED IN STANDARD MODIFICATIONS
9-22-2014	<a href="https://www.naesb.org/member_login_check.asp?doc=wgq_rat082214ballot.doc">https://www.naesb.org/member_login_check.asp?doc=wgq_rat082214ballot.doc</a>	<a href="https://www.naesb.org/member_login_check.asp?doc=rat_wgq092214tally.xlsx">https://www.naesb.org/member_login_check.asp?doc=rat_wgq092214tally.xlsx</a> Final Action (Part 1 of 2) - Business Standards Language: <a href="https://www.naesb.org/member_login_check.asp?doc=fa_wgq_2014_ap11c_part1.doc">https://www.naesb.org/member_login_check.asp?doc=fa_wgq_2014_ap11c_part1.doc</a> Final Action (Part 2 of 2) - Business Documentation and Implementation Guides: <a href="https://www.naesb.org/member_login_check.asp?doc=fa_wgq_2014_ap11c_part2.docx">https://www.naesb.org/member_login_check.asp?doc=fa_wgq_2014_ap11c_part2.docx</a>	Recommendation 2014 WGQ Annual Plan Item 11c - Develop new standards and modify existing standards to support the timelines for timely, evening, ID1, ID2 and ID3 nomination cycles as specified in Attachment A of this plan and make corresponding changes where necessary to other standards such as those that support capacity release programs. The standards should be neutral on gas day start times; meaning that all references to the 9 am CCT start of the gas day should be removed: (Part 1 of 2) – Business Standards Language: <a href="https://www.naesb.org/member_login_check.asp?doc=wgq_rat082214_wgq_2014_ap11c_rec_part1_rec.doc">https://www.naesb.org/member_login_check.asp?doc=wgq_rat082214_wgq_2014_ap11c_rec_part1_rec.doc</a> (Part 2 of 2) – Business Documentation and Implementation Guides: <a href="https://www.naesb.org/member_login_check.asp?doc=wgq_rat082214_wgq_2014_ap11c_rec_part2_rec.docx">https://www.naesb.org/member_login_check.asp?doc=wgq_rat082214_wgq_2014_ap11c_rec_part2_rec.docx</a>

APPENDIX E – NAESB TRIAGE OF REQUESTS

DATE OF MEETING	TRIAGE ACTION	REQUEST	DISPOSITION/COMMENTS:
6-16-2014	Triage Subcommittee Email Ballot: <a href="https://www.naesb.org/pdf4/tr061614a.docx">https://www.naesb.org/pdf4/tr061614a.docx</a>	R14005 - Requesting Changes to Enhance Capacity Release Timeline to better coordinate Capacity Release with Gas-Electric Harmonization Timely Nomination Timeline: <a href="https://www.naesb.org/member_login_check.asp?doc=r14005.doc">https://www.naesb.org/member_login_check.asp?doc=r14005.doc</a>	Triage Disposition: <a href="https://www.naesb.org/pdf4/tr061614disposition.docx">https://www.naesb.org/pdf4/tr061614disposition.docx</a> Request withdrawn by submitter
8-5-2014	Triage Subcommittee Email Ballot: <a href="https://www.naesb.org/pdf4/tr080514a.docx">https://www.naesb.org/pdf4/tr080514a.docx</a>	R14007 - Requested Change to Wholesale Gas Quadrant Business Practice Standard 1.3.39 to accommodate a Transportation Service Provider's ability to offer enhanced nominations: <a href="https://www.naesb.org/member_login_check.asp?doc=r14007.docx">https://www.naesb.org/member_login_check.asp?doc=r14007.docx</a>	Comments Submitted by NAESB WGQ Pipeline Board of Directors and Executive Committee representatives: <a href="https://www.naesb.org/pdf4/tr080514_wgq_pipeline_brd_ec_comments.docx">https://www.naesb.org/pdf4/tr080514_wgq_pipeline_brd_ec_comments.docx</a> Comments Submitted by the American Gas Association: <a href="https://www.naesb.org/pdf4/tr080514_aga_comments.docx">https://www.naesb.org/pdf4/tr080514_aga_comments.docx</a>
9-5-2014	Triage Subcommittee Conference Call: <a href="https://www.naesb.org/pdf4/tr090514a.docx">https://www.naesb.org/pdf4/tr090514a.docx</a>		Results: <a href="https://www.naesb.org/pdf4/tr090514results.docx">https://www.naesb.org/pdf4/tr090514results.docx</a>

Appendix F: List of Available Transcripts

APPENDIX F – LIST OF AVAILABLE TRANSCRIPTS

DATE OF MEETING	MEETING AND MINUTES	TRANSCRIPTION SERVICE	HOW TO OBTAIN TRANSCRIPTS <sup>1</sup>
4-3-14	NAESB Board of Directors Meeting: <a href="http://www.naesb.org/pdf4/bd040314dm.docx">http://www.naesb.org/pdf4/bd040314dm.docx</a>	Jill Vaughan, CSR	Call Jill Vaughan, CSR at 281-853-6807
4-22/23-14	NAESB Gas-Electric Harmonization Forum Meeting: <a href="http://www.naesb.org/pdf4/geh042214notes.docx">http://www.naesb.org/pdf4/geh042214notes.docx</a>	Jill Vaughan, CSR	Call Jill Vaughan, CSR at 281-853-6807
5-5/6-14	NAESB Gas-Electric Harmonization Forum Meeting: <a href="http://www.naesb.org/pdf4/geh050514notes.docx">http://www.naesb.org/pdf4/geh050514notes.docx</a>	Jill Vaughan, CSR	Call Jill Vaughan, CSR at 281-853-6807
5-22/23-14	NAESB Gas-Electric Harmonization Forum Meeting: <a href="http://www.naesb.org/pdf4/geh052214dm.docx">http://www.naesb.org/pdf4/geh052214dm.docx</a>	Jill Vaughan, CSR	Call Jill Vaughan, CSR at 281-853-6807
6-2/3-14	NAESB Gas-Electric Harmonization Forum Meeting: <a href="http://www.naesb.org/pdf4/geh060214notes.docx">http://www.naesb.org/pdf4/geh060214notes.docx</a>	Jill Vaughan, CSR	Call Jill Vaughan, CSR at 281-853-6807
6-4-14	NAESB Board of Directors Conference Call: <a href="http://www.naesb.org/pdf4/bd060414dm.docx">http://www.naesb.org/pdf4/bd060414dm.docx</a>	Jill Vaughan, CSR	Call Jill Vaughan, CSR at 281-853-6807
8-21-14	NAESB WGQ Executive Committee Meeting: <a href="https://www.naesb.org/pdf4/wgq_ec082114dm.docx">https://www.naesb.org/pdf4/wgq_ec082114dm.docx</a>	Jill Vaughan, CSR	Call Jill Vaughan, CSR at 281-853-6807

<sup>1</sup> The Federal Energy Regulatory Commission and other regulatory agencies may contact the NAESB office to obtain electronic copies of the transcripts. All others can contact the transcription service and order the transcripts for a nominal fee.

Appendix G: Minor Corrections

APPENDIX G – MINOR CORRECTONS		
EC MEETING DATE	MEETING MINUTES, NOTATIONAL BALLOTS AND RESULTS	MINOR CORRECTIONS
9-3-2014	Executive Committee Notational Ballot: <a href="https://www.naesb.org/pdf4/wgq_ec090314_mc_action_ballot.docx">https://www.naesb.org/pdf4/wgq_ec090314_mc_action_ballot.docx</a>  Results: <a href="https://www.naesb.org/pdf4/wgq_ec090314_mc_action_ballot_results.docx">https://www.naesb.org/pdf4/wgq_ec090314_mc_action_ballot_results.docx</a>	Minor Correction MC14018 - NAESB WGQ Version 3.0, NAESB WGQ Standards Minor Corrections to accommodate modifications made in WGQ 2014 Annual Plan item 11c: <a href="https://www.naesb.org/member_login_check.asp?doc=wgq_mc14018_rec_091114.docx">https://www.naesb.org/member_login_check.asp?doc=wgq_mc14018_rec_091114.docx</a>

**TIMELINE -- SCHEDULE OF MEETINGS<sup>1</sup> AND DELIVERABLES**

Date/Time	Committee & Meeting	Deliverables
✓ March 27, 2014 - 9:00 am to 11:00 am Central	Conference Call GEH Committee - Organizational	Planning Session
✓ April 1, 2014 – 9:00 am to 11:00 am Central	Conference Call & Web Cast GEH Committee – NAESB Process Review	Review of NAESB voting procedures
✓ April 1, 2014 – 1:00 pm to 3:00 pm Central	Conference Call GEH Committee/Forum - Organizational	Vote on abled motion and review deliverables timeline
✓ April 3, 2014 – 9:00 am to 1:00 pm Central	NAESB Board of Directors Meeting	GEH recommendations were made to the board and accepted, including changing the NAESB annual plans to activate GEH related issues and provide guidance to the WGQ Executive Committee to identify and redline standards that would require changes to support the FERC proposal contained in the NOPR and any other recommendations made on April 1
Beginning April 4, 2014 through July 18, 2014	Wholesale Gas Quadrant (WGQ) Executive Committee (EC) and WGQ subcommittees assigned by the WGQ EC	The NAESB Board of Directors approved the above recommendations, so the work can begin to create a catalog of the existing NAESB WGQ standards that would require modifications to support the FERC proposal contained in the NOPR, including redlining the identified standards to support the FERC proposal
✓ **From April 4, 2014 – June 3, 2014	NAESB GEH Forum Meetings, Conference Calls and Requests for Presentations	NAESB GEH Forum Meetings on Alternative Consensus Proposals
✓ June 4, 2014 – 10:00 am to 12:00 pm Central	NAESB Board of Directors Conference Call & Web Cast	Review and Vote on Alternative Consensus Proposal Recommended by Participants of the NAESB Gas-Electric Harmonization Forum

*If consensus on an alternative proposal cannot be reached or is not supported by the Board of Directors by June 9, 2014 a status report will be filed with the Commission and no other GEH Forum meetings are needed.*

*If no consensus is reached, and not otherwise directed by the Board of Directors, the FERC will be notified and no other work is needed until the FERC final rule is issued. Should the final rule support the FERC proposal outlined in the NOPR, the redlined catalog of standards changes will be used as a basis for forming the recommendation and processing through to ratified standards in a ninety day window, unless otherwise noted in the final order.*

<sup>1</sup> All meetings, if scheduled for in-person attendance, are available at a minimum by conference call, and in most case by web cast as well. In scheduling meetings for GEH related matters, all attempts will be made to not schedule GEH--coincident meetings.

**TIMELINE -- SCHEDULE OF MEETINGS<sup>1</sup> AND DELIVERABLES**

Date/Time	Committee & Meeting	Deliverables
✓ June 9, 2014	WGQ EC and appropriate subcommittees ( <i>WEQ EC and appropriate subcommittees may be involved if WEQ standards are impacted.</i> )	Begin Development of a Recommendation to Support Alternative Consensus Proposal Articulated by the Board of Directors
July 18, 2014	Appropriate subcommittees	Complete Recommendation to Support Consensus Standards completed by appropriate subcommittees and sent out for formal industry comment.
August 18, 2014		Formal Comment Period on Recommendation to Support Consensus Standards Ends
August 22, 2014	WGQ Executive Committee Meeting, Conference Call & Web Cast ( <i>WEQ EC may be involved if WEQ standards are impacted.</i> )  Dallas, TX	Review Recommendation and any Comments Submitted and Vote on Recommended Consensus Standards
August 22, 2014		Ratification Ballot on Consensus Standards is Distributed to the NAESB Membership
September 22, 2014		Ratification Ballot Period on Consensus Standards is Closed
September 29, 2014		NAESB Staff Files Consensus Standards with the Commission.

Appendix H: Timeline of Activities

<b>**TIMELINE -- SCHEDULE OF MEETINGS<sup>2</sup> AND DELIVERABLES</b>		
Date/Time	Committee Meeting or Activity	Deliverables
From April 4, 2014 – June 3, 2014 **	GEH Forum Meetings, Conference Calls and Requests for Presentations	GEH Committee Meetings on Alternative Consensus Proposals
April 4 - 11, 2014	Request for Presenters	Presenters provide notice of intent to present and subject matter
April 18, 2014	Presentations forwarded to the NAESB office	Presentations posted on the NAESB web site
April 22, 2014 – 8:00 am to 5:00 pm Central April 23, 2014 - 8:00 am to 2:00 pm Central	GEH face to face meeting in Houston, TX at the Hilton Americas	Begin review of presentation and discussion of alternatives
May 5, 2014 – 8:00 am to 5:00 pm Central May 6, 2014 - 8:00 am to 2:00 pm Central	GEH face to face meeting in Houston, TX at the Hilton Americas	Continue discussion on alternatives
May 22, 2014 – 8:00 am to 5:00 pm Central May 23, 2014 - 8:00 am to 2:00 pm Central	GEH face to face meeting in Houston, TX at the Hilton Americas	Continue discussion on alternatives
June 2, 2014 – 8:00 am to 5:00 pm Central June 3, 2014 - 8:00 am to 2:00 pm Central	GEH face to face meeting in Houston, TX at the Hilton Americas	Complete work on alternative consensus proposals, vote, and prepare recommendation for the Board of Directors

<sup>2</sup> All meetings, if scheduled for in-person attendance, are available at a minimum by conference call, and in most case by web cast as well. In scheduling meetings for GEH related matters, all attempts will be made to not schedule GEH--coincident meetings.

**NORTH AMERICAN ENERGY STANDARDS BOARD  
 2014 Annual Plan for the Wholesale Gas Quadrant  
 Adopted by the Board of Directors on September 11, 2014**

Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<b>1. Update Standards Matrix Tool for Ease of Use<sup>3</sup></b>		
a. Update the reference tool developed for Version 2.1 to reflect modifications applicable to Version 3.0 Status: Not Started – Pending Publication of Version 3.0	TBD	IR/Technical
<b>2. Sample Paper Review<sup>3</sup></b>		
a. Execute Plan to Review and Update Sample Papers and ASC X12 Samples for all data sets to ensure consistency with the related data dictionaries. <sup>4</sup> Status: Complete	3 <sup>rd</sup> Q, 2014	IR/Technical
<b>3. Development of EBB Code Values<sup>3</sup></b>		
a. Execute the plan for the review of code values and code value descriptions in all data sets to make them easier to understand on the TSPs' EBB web sites. <sup>5</sup> Status: Complete	3 <sup>rd</sup> Q, 2014	IR/Technical
<b>4. Electronic Delivery Mechanisms</b>		
a. Review minimum technical characteristics in Appendices B, C, and D of the WGQ QEDM Manual, and make changes as appropriate. Status: Not Started	2014	EDM
<b>5. Review and Analyze the Interpretations of Standards</b>		
a. Determine recommended course of action for addressing future requests for interpretations Status: Complete	2014	WGQ EC
<b>6. Final Rules published by the Commodity Futures Trading Commission (CFTC) and implications to NAESB contracts</b>		
a. Review Final Rules published by the Commodity Futures Trading Commission (CFTC) to determine if new rules on various definitions will impact any NAESB contracts, specifically their General Terms and Conditions Status: Complete	3 <sup>rd</sup> Q, 2014	Contracts Subcommittee
<b>7. Session Encryption</b>		
a. Investigate and determine if changes to standards are needed to support adequate session encryption (SSL/TLS issues <a href="#">US-Cert Vulnerability Note VU#864643</a> ) Status: Complete	2014	EDM
b. Modify or develop standards as needed to apply the analysis of the above item (7a) Status: Complete	2014	EDM
<b>8. Imbalance Trading – Elimination of Data Set Reference to EDI</b>		
a. Develop Business Practice Standards as appropriate Status: Complete	1 <sup>st</sup> Q, 2014	BPS
b. Prepare fully staffed recommendation Status: Complete	2 <sup>nd</sup> Q, 2014	BPS, IR/Technical

**NORTH AMERICAN ENERGY STANDARDS BOARD  
 2014 Annual Plan for the Wholesale Gas Quadrant  
 Adopted by the Board of Directors on September 11, 2014**

Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<b>9. Gas-Electric Coordination</b>		
a. As provided for the GEH Report approved by the Board of Directors on September 20, 2012, ( <a href="http://www.naesb.org/pdf4/bd092012a1.pdf">http://www.naesb.org/pdf4/bd092012a1.pdf</a> ), which was initiated by the NPC Report, <sup>21</sup> review and provide direction to develop standards or modify existing standards as needed for market timelines and coordination of scheduling. Status: Complete	3 <sup>rd</sup> Q, 2014	Gas-Electric Harmonization Committee & Forum, WEQ EC, WGQ EC
b. As provided for the GEH Report approved by the Board of Directors on September 20, 2012, ( <a href="http://www.naesb.org/pdf4/bd092012a1.pdf">http://www.naesb.org/pdf4/bd092012a1.pdf</a> ), which was initiated by the NPC Report, <sup>22</sup> review and provide direction to develop standards or modify existing standards as needed for flexibility in scheduling. Status: Complete	3 <sup>rd</sup> Q, 2014	Gas-Electric Harmonization Committee & Forum, WEQ EC, WGQ EC
c. As provided for the GEH Report approved by the Board of Directors on September 20, 2012, ( <a href="http://www.naesb.org/pdf4/bd092012a1.pdf">http://www.naesb.org/pdf4/bd092012a1.pdf</a> ), which was initiated by the NPC Report, <sup>23</sup> review and provide direction to develop standards or modify existing standards as needed for provision of information. Status: Complete	3 <sup>rd</sup> Q, 2014	Gas-Electric Harmonization Committee & Forum, WEQ EC, WGQ EC
<b>10. Posting of Offers to Purchase Capacity (Order to Show Cause Issued March 20, 2014 – RM 14-442-000)</b>		
a. Develop Business Practice Standards as appropriate Status: Complete	2 <sup>nd</sup> Q, 2014	BPS
b. Prepare fully staffed recommendation Status: Complete	2 <sup>nd</sup> Q, 2014	BPS, IR/Technical
<b>11. Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM 14-2-000)</b>		
a. Develop catalog of standards that would require changes to implement the FERC proposal <sup>24</sup> in FERC NOPR Issued March 20, 2014 – Docket No. RM 14-2-000, “Coordination of the Scheduling Processes of Interstate Natural Gas Pipelines and Public Utilities” Status: Complete	2 <sup>nd</sup> Q, 2014	BPS, IR/Technical, Contracts, EDM
b. Develop redlines to the standards noted in Annual Plan Item 11a above, to support the FERC proposal Status: On Hold	4 <sup>th</sup> Q, 2014	BPS, IR/Technical, Contracts, EDM

<sup>21</sup> Review and develop standards as needed and requested based on the National Petroleum Council (NPC) findings as communicated to the NAESB Board of Directors, government agencies or reliability organizations, as applicable. (9-15-11 NPC Report: <http://www.npc.org/NARD-ExecSummVol.pdf>)

<sup>22</sup> Id.

<sup>23</sup> Id.

<sup>24</sup> FERC Notice of Proposed Rulemaking, *Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities*, can be found through the following hyperlink: <http://www.ferc.gov/whats-new/comm-meet/2014/032014/M-1.pdf>

---

**NORTH AMERICAN ENERGY STANDARDS BOARD  
 2014 Annual Plan for the Wholesale Gas Quadrant  
 Adopted by the Board of Directors on September 11, 2014**

---

Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
c. Develop new standards and modify existing standards to support the timelines for timely, evening, ID1, ID2 and ID3 nomination cycles as specified in Attachment A of this plan and make corresponding changes where necessary to other standards such as those that support capacity release programs. The standards should be neutral on gas day start times; meaning that all references to the 9 am CCT start of the gas day should be removed. Status: Complete	3 <sup>rd</sup> Q, 2014 <sup>25</sup>	BPS, IR/Technical, Contracts, EDM
<b>Program of Standards Maintenance &amp; Fully Staffed Standards Work</b>		
Business Practice Requests	Ongoing	Assigned by the EC <sup>6</sup>
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 <sup>3</sup>
Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC <sup>3</sup>
Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC <sup>3</sup>
Maintenance of eTariff Standards	As Requested	Assigned by the EC <sup>3</sup>

---



---

<sup>25</sup> The timeline for GEH related standards development can be found at [http://www.naesb.org/pdf4/geh\\_timeline.pdf](http://www.naesb.org/pdf4/geh_timeline.pdf).

---

**NORTH AMERICAN ENERGY STANDARDS BOARD  
 2014 Annual Plan for the Wholesale Gas Quadrant  
 Adopted by the Board of Directors on September 11, 2014**

---

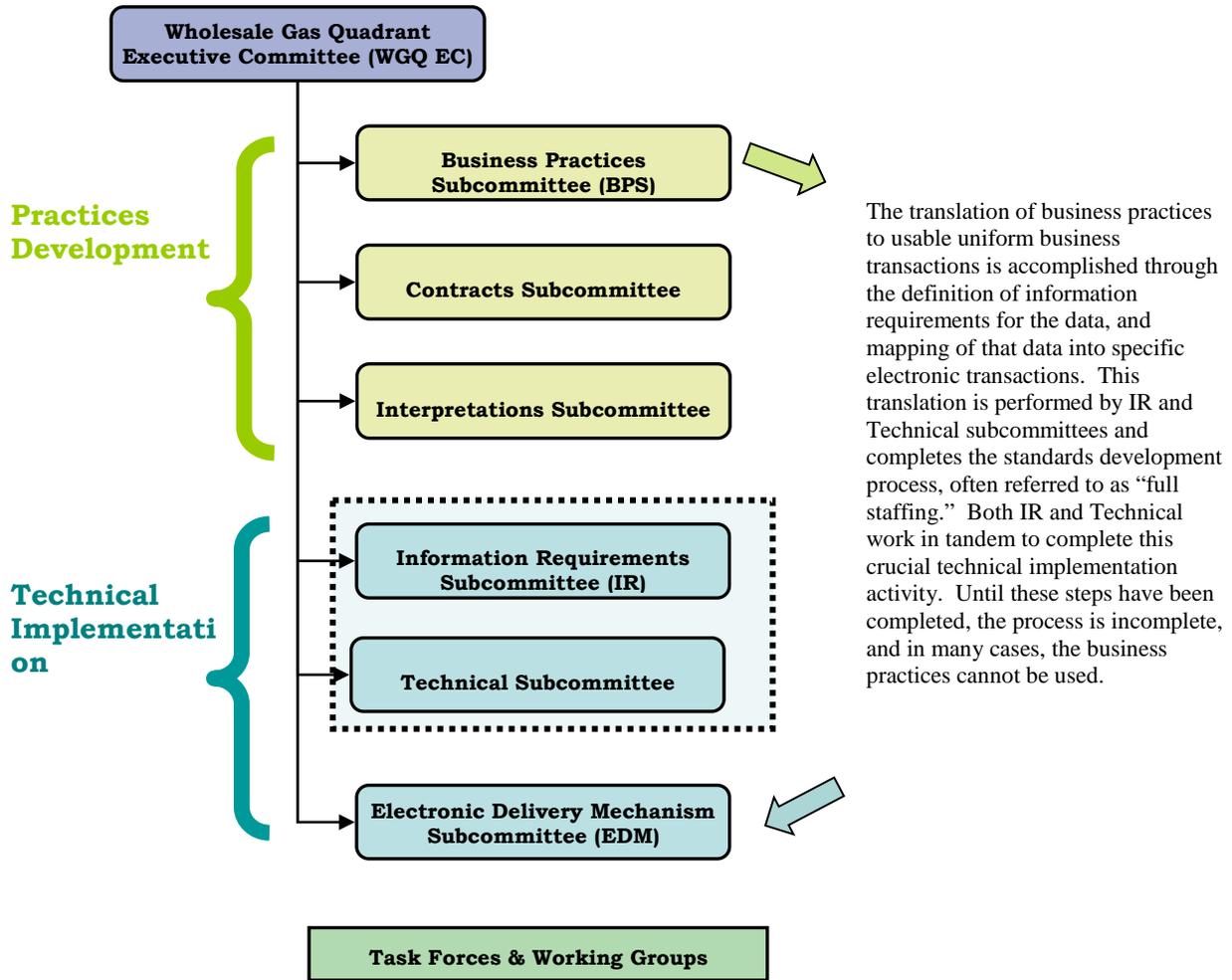
Item Description	Completion <sup>1</sup>	Assignment <sup>2</sup>
<b>Provisional Activities</b>		
1. Develop standards as needed in support of Variable Energy Resources (VERs) final order (RM10-11-000). ( <a href="#">NAESB Comments 3-2-11</a> , <a href="#">FERC NOPR RM10-11-000</a> , <a href="#">FERC Final Order RM10-11-000</a> <sup>26</sup> ) In review of the NAESB standards, the Gas/Electric Operational Communications Standards may require changes, and other standards may be required or modified to support gas-electric coordination.		

---

<sup>26</sup> For FERC Final Order, Docket No. RM10-11-000, specifically paragraph nos. 146 and 182 should be reviewed:

146. The Commission concludes that an independent review of NERC standards and NAESB business practices is not necessary prior to the implementation of intra-hour scheduling. As noted by NERC, several entities currently offer intra-hour scheduling without any apparent conflict with Reliability Standards. NERC comments that it does not believe there are any existing standards that prohibit industry from implementing intra-hour scheduling, and no commenters have pointed to specific NAESB business practices that prevent industry from implementing intra-hour scheduling. The Commission therefore concludes that it is not necessary to delay adoption of the intra-hour scheduling requirements of this Final Rule pending further review of NERC Reliability Standards and NAESB business practices. To the extent industry believes it is beneficial to refine one or more existing NERC Reliability Standards or NAESB business practices to reflect intra-hour scheduling, stakeholders can use existing processes to pursue such refinements.

182. Some commenters request that the Commission standardize protocols for reporting meteorological or forced outage data required by this Final Rule. The Proposed Rule did not contain standard protocols for data reporting and, as a result, the merits of such a requirement have not been fully addressed in the record. Whether standardization of data communications would facilitate or hinder development of power production forecasting may implicate a variety of data and communications issues that would benefit from broad industry input through standards development processes such as those used by NAESB and other organizations.



**NAESB 2014 WGQ EC and Subcommittee Leadership:**

- Executive Committee: Jim Buccigross, Chair and Dale Davis, Vice-Chair
- Business Practices Subcommittee: Kim Van Pelt, Paul Jones, Sylvia Munson and Richard Smith
- Information Requirements Subcommittee: Dale Davis, Rachel Hogge
- Technical Subcommittee: Kim Van Pelt
- Contracts Subcommittee: Keith Sappenfield
- Electronic Delivery Mechanism Subcommittee: Leigh Spangler

---

**End Notes, WGQ 2014 Annual Plan:**

<sup>1</sup> 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 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.

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

<sup>3</sup> As business issues are presented to the Information Requirements Subcommittee and Technical Subcommittee, those business issues will be given precedence over WGQ 2014 Annual Plan Item No. 1.a.

<sup>4</sup> Comments Provided by Spectra Energy in the 2010 Annual Plan process:  
[http://www.naesb.org/pdf4/wgq\\_aplan102010w3.doc](http://www.naesb.org/pdf4/wgq_aplan102010w3.doc).

<sup>5</sup> Comments Provided by Spectra Energy in the 2010 Annual Plan process:  
[http://www.naesb.org/pdf4/wgq\\_aplan102010w4.doc](http://www.naesb.org/pdf4/wgq_aplan102010w4.doc)

<sup>6</sup> The EC assigns maintenance of existing standards on a request-by-request basis.

Appendix I: NAESB WGQ Annual Plan

Appendix A – GEH Timeline

Time Shifts -- All times CT		Current NAESB Standards	NOPR	No Gas Day Start Time Specified
Timely	Timely day-ahead Nom Deadline	11:30 AM	1:00 PM	1:00 PM
	Confirmations			4:30 PM
	Schedule Issued	4:30 PM	4:30 PM	5:00 PM
	Start of Gas Flow	9:00 AM	4:00 AM	
Evening	Evening Day-ahead Nom Deadline	6:00 PM	6:00 PM	6:00 PM
	Confirmations	9:00 PM	9:00 PM	8:30 PM
	Schedule Issued	10:00 PM	10:00 PM	9:00 PM
	Start of Gas Flow	9:00 AM	4:00 AM	
ID1	ID1 Nom Deadline	10:00 AM	8:00 AM	10:00 AM
	Confirmations	1:00 PM	10:00 AM	12:30 PM
	Schedule Issued	2:00 PM	11:00 AM	1:00 PM
	Start of Gas Flow	5:00 PM	12:00 Noon	2:00 PM
	Hours of Flow	16 hours	16 hours	
	IT Bump Rights	bumpable	bumpable	bumpable
	EPSQ	33%	33%	
ID2	ID2 Nom Deadline	5:00 PM	10:30 AM	2:30 PM
	Confirmations	8:00 PM	1:00 PM	5:00 PM
	Schedule Issued	9:00 PM	2:00 PM	5:30 PM
	Start of Gas Flow	9:00 PM	4:00 PM	6:00 PM
	Hours of Flow	12 hours	12 hours	
	IT Bump Rights	no bump	bumpable	bumpable
	EPSQ	50%	50%	
ID3	ID3 Nom Deadline		4:00 PM	7:00 PM
	Confirmations		5:00 PM	9:30 PM
	Schedule Issued		6:00 PM	10:00 PM
	Start of Gas Flow		7:00 PM	10:00 PM
	Hours of Flow		9 hours	
	IT Bump Rights		bumpable	<b>no bump</b>
	EPSQ		63%	

Appendix I: NAESB WGQ Annual Plan

Time Shifts -- All times CT		Current NAESB Standards	NOPR	No Gas Day Start Time Specified
ID4	ID4 Nom Deadline		7:00 PM	
	Confirmations		8:00 PM	
	Schedule Issued		9:00 PM	
	Start of Gas Flow		9:00 PM	
	Hours of Flow		7 hours	
	IT Bump Rights		no bump	
	EPSQ		71%	

---

**NORTH AMERICAN ENERGY STANDARDS BOARD  
 2014 ANNUAL PLAN for the RETAIL ENERGY QUADRANT  
 Adopted by the Board of Directors on September 11, 2014**

---

Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>3,4</sup>
1. Develop Technical Electronic Implementation Standards and Data Dictionaries		
a. Review and update the technical implementation of Book 3 – Billing and Payment. Status: Underway	4 <sup>th</sup> Q, 2014	IR/TEIS
b. Review and update the technical implementation of Book 8 – Customer Information Status: Underway	1 <sup>st</sup> Q, 2015	IR/TEIS
2. Additional Registration Agent Processes		
a. Develop Technical Electronic Implementation Standards and Data Dictionaries to support Model Business Practices of Book 14 – Service Requests, Disconnections and Reconnections in the Registration Agent Model Status: Not Started	2015, date dependent on completion of item 4(f)	IR/TEIS
3. Retail Customer Information - Develop Model Business Practices and Process Flows to enable a Retail Customer, or a third party acting on behalf of the Retail Customer, to obtain the Retail Customer's energy usage information on an on-going basis outside of a Smart Grid environment Status: Complete	2 <sup>nd</sup> Q, 2014	BPS
4. Update Existing Model Business Practices – Review and update all existing Model Business Practices, filling in any gaps that may exist and making the language consistent throughout all Books. <sup>5</sup>		
a. Book 8 – Customer Information Status: Complete	2 <sup>nd</sup> Q, 2014	BPS
b. Book 9 – Customer Billing and Payment Notification via Uniform Electronic Transactions Status: Underway	4 <sup>th</sup> Q, 2014	BPS
c. Book 10 – Customer Enrollment, Drop, and Account Information Change Status: Not Started	2015	BPS
d. Book 11 - Customer Enrollment, Drop, and Account Information Change Using a Registration Agent Status: Not Started	2015	BPS
e. Book 13 – Measurement and Verification (M&V) of Demand Response Programs <sup>6</sup> Status: Not Started	2015	BPS
f. Book 14 – Service Request, Disconnection and Reconnection in the Registration Agent Model Status: Not Started	2015	BPS
g. Book 15 – Specifications for Common Electricity Product and Pricing Definition <sup>8</sup> Status: Not Started	2015	BPS

**NORTH AMERICAN ENERGY STANDARDS BOARD  
 2014 ANNUAL PLAN for the RETAIL ENERGY QUADRANT  
 Adopted by the Board of Directors on September 11, 2014**

Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>3,4</sup>
h. Book 16 – Specifications for Common Schedule Communication Mechanism for Energy Transactions <sup>8</sup> Status: Not Started	2015	BPS
i. Book 17 – Specifications for Retail Standard Demand Response Signals <sup>8</sup> Status: Not Started	2015	BPS
j. Book 18 – Retail Customer Energy Usage Information Communication <sup>8</sup> Status: Not Started	2015	BPS
k. Book 21 – Energy Services Provider Interface <sup>8</sup> Status: Not Started	2015	BPS
l. Book 22 – Third Party Access to Retail Customer Information <sup>8</sup> Status: Not Started	2016	BPS
m. Book 23 – Supplier Marketing Practices Status: Not Started	2016	BPS
n. Book 24 – Enrollment, Drop, Account Information Change in Demand Response Programs <sup>8</sup> Status: Not Started	2016	BPS
5. Session Encryption		
a. Investigate and determine if changes to standards are needed to support adequate session encryption (SSL/TLS issues <a href="#">US-Cert Vulnerability Note VU#864643</a> ) Status: Not Started	4 <sup>th</sup> Q, 2014	IR/TEIS
b. Modify or develop standards as needed to apply the analysis of the above item (5(a)) Status: Not Started	4 <sup>th</sup> Q, 2014	IR/TEIS
6. Data Privacy		
a. Review and consider changes to the existing Privacy and Cybersecurity Requirements NAESB REQ.22 as requested by Smart Grid Interoperability Panel Cybersecurity Working Group ( <a href="#">R12008</a> ) – in coordination with the Department of Energy effort to develop a voluntary code of conduct Status: Underway	3 <sup>rd</sup> Q, 2014	REQ Data Privacy Task Force
b. Consider the development of a specification to support a certification program for the REQ.22 standards. Status: Complete	2 <sup>nd</sup> Q, 2014	REQ Data Privacy Task Force

**NORTH AMERICAN ENERGY STANDARDS BOARD  
2014 ANNUAL PLAN for the RETAIL ENERGY QUADRANT  
Adopted by the Board of Directors on September 11, 2014**

Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>3,4</sup>
7. Retail Net Metering - Develop Model Business Practices and technical implementation to be included in Book 3 – Billing and Payments, Book 8 – Retail Customer Information, Book 10 – Retail Customer Enrollment, Drop and Account Information Change, and Book 11 –Retail Customer Enrollment, Drop and Account Information Change Using a Registration Agent for the limited purpose of providing metering data required by Market Participants in competitive energy markets in jurisdictions where their charges to certain Retail Customers must account for Retail Net Metering arrangements		
a. Define Retail Net Metering to be included in Book 3 – Billing and Payment, Book 8 – Retail Customer Information, Book 10 – Retail Customer Enrollment, Drop and Account Information Change, and Book 11 – Retail Customer Enrollment, Drop and Account Information Change Using a Registration Agent for the limited purpose of providing metering data required by Market Participants in competitive energy markets in jurisdictions where their charges to certain Retail Customers must account for Retail Net Metering arrangements Status: Complete	1 <sup>st</sup> Q, 2014	Glossary Subcommittee, BPS
b. Develop Model Business Practices to describe how Retail Net Metering is used by Market Participants in competitive energy markets in jurisdictions where their charges to certain Retail Customers must account for Retail Net Metering arrangements Status: Underway		
i. Book 3 – Billing and Payment Status: Underway	4 <sup>th</sup> Q, 2014	BPS
ii. Book 8 – Customer Information Status: Complete	3 <sup>rd</sup> Q, 2014	BPS
iii. Book 10 – Customer Enrollment, Drop, and Account Information Change Status: Not Started	1 <sup>st</sup> Q, 2015	BPS
iv. Book 11 – Customer Enrollment, Drop, and Account Information Change Using a Registration Agent Status: Not Started	1 <sup>st</sup> Q, 2015	BPS
c. Develop Data Dictionaries and technical implementation for the limited purpose of providing metering data required by Market Participants in competitive energy markets in jurisdictions where their charges to certain Retail Customers must account for Retail Net Metering arrangements Status: Not Started		
i. Book 3 – Billing and Payment Status: Underway	1 <sup>st</sup> Q, 2015	IR/TEIS
ii. Book 8 – Customer Information Status: Underway	1 <sup>st</sup> Q, 2015	IR/TEIS
iii. Book 10 – Customer Enrollment, Drop, and Account Information Change Status: Not Started	2 <sup>nd</sup> Q, 2015	IR/TEIS
iv. Book 11 – Customer Enrollment, Drop, and Account Information Change Using a Registration Agent Status: Not Started	2 <sup>nd</sup> Q, 2015	IR/TEIS

**NORTH AMERICAN ENERGY STANDARDS BOARD  
 2014 ANNUAL PLAN for the RETAIL ENERGY QUADRANT  
 Adopted by the Board of Directors on September 11, 2014**

Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>3,4</sup>
8. DSM-EE Certification		
a. Develop a specification for energy efficiency products and services to support a certification program. Status: Complete	4 <sup>th</sup> Q, 2013	DSM-EE
b. Develop a specification for demand response products and services to support a certification program. Status: Underway	4 <sup>th</sup> Q, 2014	DSM-EE
9. Energy Services Provider Interface		
a. Review the NAESB RXQ EDI Standards and REQ.21 Energy Services Provider Interface Model Business Practices to determine if consistency changes should be made. Status: Not Started	1 <sup>st</sup> Q, 2015	ESPI Task Force, IR/TEIS and BPS
10. Support FERC Notice of Proposed Rulemaking, Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities (NOPR Issued March 20, 2014 – RM14-2-000)		
a. Develop catalog of standards that would require changes to remain consistent with the FERC proposal <sup>1</sup> in FERC NOPR Issued March 20, 2014 – Docket No. RM 14-2-000, “Coordination of the Scheduling Processes of Interstate Natural Gas Pipelines and Public Utilities” Status: Not Started	4 <sup>th</sup> Q, 2014	BPS
11. Update definitions of Data Custodian, Historical Usage and other technical definitions in Book 8 – Customer Information and make the definitions consistent throughout all Books. Status: Not Started	2 <sup>nd</sup> Q, 2015	BPS/Glossary
12. Request R14004 – Amend Quadrant EDM Manual to Add Transaction Set-Code Values in Support of the ERCOT Market		
a. Develop the technical implementation in Book 5 – Quadrant EDM Manual and accompanying model business practices in Book 24 – Enrollment, Drop, and Account Information Change in Demand Response Programs for the seven transaction set code values in use by the ERCOT market Status: Complete	3 <sup>rd</sup> Q, 2014	Retail Registration Agent Task Force
b. Develop the technical implementation in Book 5 – Quadrant EDM Manual and accompanying model business practices in Book 24 – Enrollment, Drop, and Account Information Change in Demand Response Programs for the remainder of the transaction set code values identified in the request Status: Not Started	2 <sup>nd</sup> Q, 2015	Retail Registration Agent Task Force
13. Program of Standards Maintenance & Fully Staffed Standards Work <sup>7</sup>		
a. Business Practice Requests	Ongoing	Assigned by the EC
b. Information Requirements and Technical Mapping of Business Practices	Ongoing	Assigned by the EC
c. Ongoing Interpretations for Clarifying Language Ambiguities	Ongoing	Assigned by the EC
d. Ongoing Maintenance of Code Values and Other Technical Matters	Ongoing	Assigned by the EC

<sup>1</sup> FERC Notice of Proposed Rulemaking, *Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities*, can be found through the following hyperlink: <http://www.ferc.gov/whats-new/comm-meet/2014/032014/M-1.pdf>

---

**NORTH AMERICAN ENERGY STANDARDS BOARD  
 2014 ANNUAL PLAN for the RETAIL ENERGY QUADRANT  
 Adopted by the Board of Directors on September 11, 2014**

---

Item Number & Description <sup>1</sup>	Completion <sup>2</sup>	Assignment <sup>3,4</sup>
e. Ongoing Development and Maintenance of Definitions	Ongoing	Glossary
f. Ongoing Harmonization of Definitions with All Other Quadrants	Ongoing	Glossary
g. Ongoing Development and Maintenance of Model Business Practices	Ongoing	BPS

---

**Provisional Activities**

---

1. Review security standards as may be deemed necessary, such as Public Key Infrastructure (PKI).
2. Develop NAESB Certification checklist criteria for Retail Quadrants to be used in the NAESB Certification Program. The certification checklist may address test scripts, a checklist of items to be tested, data connectivity for test scripts and EDM testing.
3. Review RXQ.6 pending results of 2014 WGQ Annual Plan Item 7a – Review Final Rules published by the Commodity Futures Trading Commission (CFTC) to determine if new rules on various definitions will impact any of the NAESB contracts, specifically their General Terms and Conditions.
4. Consider development of business practices to support the use of software applications for customer authorizations, including mobile devices.
5. Develop and/or modify Demand Response Standards as needed in conformance with final D.C. Circuit ruling on FERC Order 745

**Retail Electric Model Business Practices Only:**

5. Settlement Process: Reconcile energy schedules and energy delivered by Suppliers within a given market. Note: will need to be coordinated with the WEQ for the RXQ.
6. Review and develop model business practices to support renewable portfolio programs

---

**Retail 2014 Annual Plan End Notes:**

<sup>1</sup> As outlined in the NAESB Bylaws, the RXQ will also address requests submitted by members and assigned to the RXQ through the Triage Process.

<sup>2</sup> Dates in the completion column are by end of the quarter for completion by the assigned committee and subcommittee. The dates do not necessarily mean that the standards are fully staffed 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.

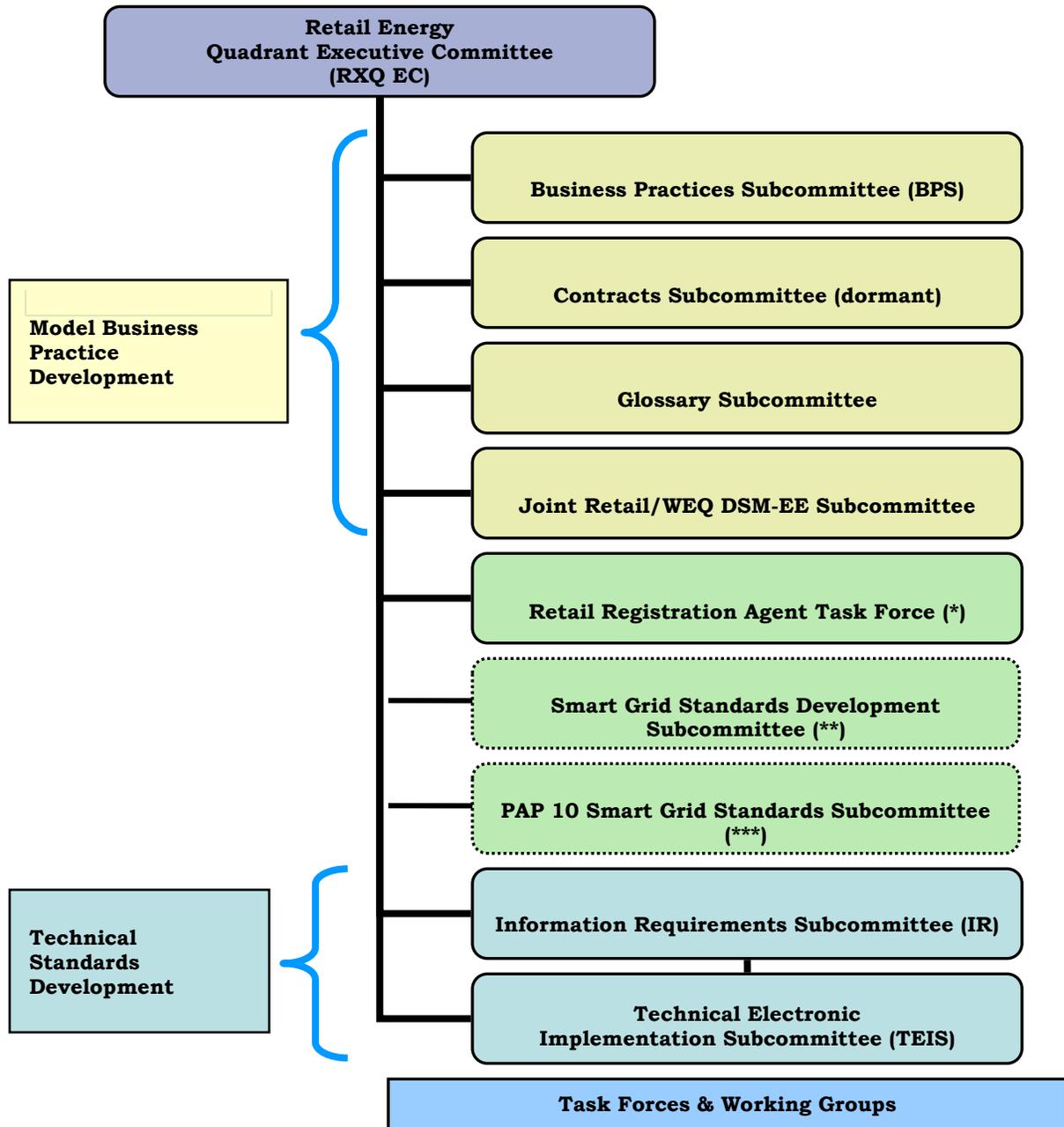
<sup>3</sup> The assignments are abbreviated. The abbreviations and committee structure can be found at the end of the Annual Plan document.

<sup>4</sup> The DSM-EE subcommittee has split into several separate groups to support concurrent development of separate standards sets.

<sup>5</sup> Note: BPS will not review Book 5 (Quadrant Specific Electronic Delivery Mechanism), Book7 (Internet Electronic Transport), or Book 20 (Smart Grid Standards Data Element Table)

<sup>6</sup> Note: This will be for language and format only, BPS will not edit for content.

<sup>7</sup> This work is considered routine maintenance and thus the items are not separately numbered. The RXQ EC will assign maintenance efforts on a request-by-request basis.



NAESB Retail Subcommittee Leadership: <sup>1</sup>

Executive Committee: Dan Jones, Chair, Phil Precht, Chair

Business Practices Subcommittee: Phil Precht, Dan Jones

Information Requirements Subcommittee/Technical Electronic Implementation Subcommittee: Judy Ray

Glossary Subcommittee: Patrick Eynon

DSM-EE Subcommittee: Ruth Kiselewich (RXQ), Roy True (WEQ), Paul Wattles (WEQ), and Eric Winkler (RXQ)

Retail Registration Agent Task Force: Debbie McKeever

Appendix J: NAESB Retail Annual Plan

(\*) The Retail Registration Agent Task Force may draft MBPs, process flows, implementation guides and technical standards supportive of the Registration Agent and submit them to the BPS. The group is chaired by Debbie McKeever.

(\*\*) The Smart Grid Standards Subcommittee is a joint group of the Retail Energy and Wholesale Electric Quadrants with other standards development groups such as OASIS, CalConnect, FIX and UCAIug, and includes other groups. Direction may be given from NIST, DoE or FERC and the group reports jointly to the NAESB Board Smart Grid Strategic Steering Committee and the RXQ and WEQ ECs. The group is chaired by Wayne Longcore, Joe Zhou and Robert Burke.

(\*\*\*) The PAP 10 Smart Grid Standards Subcommittee is a joint group of the Retail Energy and Wholesale Electric Quadrants with other standards development groups such as OASIS, UCAIug, OpenADE, ZigBee, ASHRAE, EIS Alliance, NARUC and includes other groups. Direction may be given from NIST, DoE or FERC and the group reports jointly to the NAESB Board Smart Grid Strategic Steering Committee and the RXQ and WEQ ECs. The group is chaired by Phil Precht, Cathy Wesley, Sharon Dinges, David Kaufman, Brad Ramsay, Tobin Richardson and Ed Koch.

The PAP 10 Smart Grid Standards Subcommittee has created a Energy Services Provider Interface Task Force led by Chris Villarreal, California PUC, to address the OpenADE request R10008 and R13001.

---

<sup>1</sup> The EC and the subcommittees can create task forces and working groups to support their development activities for development of Model Business Practices and technical standards.