



## NORTH AMERICAN ENERGY STANDARDS BOARD

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

---

June 18, 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 Processes of Interstate Natural Gas Pipelines and Public Utilities (Docket No. RM14-2-000)

Dear Ms. Bose:

The North American Energy Standards Board ("NAESB") is voluntarily submitting 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 Processes of Interstate Natural Gas Pipelines and Public Utilities* issued on March 20, 2014 (Docket No. RM14-2-000). The purpose of the report is to inform the Commission of action taken by the NAESB Board of Directors on June 4, 2014 to support the directives of the March 20, 2014 NOPR and communicate the additional steps the organization intends to take to support the requests made in the NOPR. Included in this report is a description of the activities that NAESB has undertaken to react to the requests contained within the NOPR, a summary of the issues considered by the organization in its determination to develop consensus standards, a full record of all meetings, conference calls and votes held to make that determination, and a summary of the activities the organization intends to take to satisfy the requests of the Commission.

The cover letter, report and enclosures are being filed electronically in Adobe Acrobat® Portable Document Format (.pdf), with each enclosure bookmarked separately. The entire filing is also available on the NAESB web site ([www.naesb.org](http://www.naesb.org)). Please feel free to call me at (713) 356-0060 or refer to the NAESB website ([www.naesb.org](http://www.naesb.org)) should you have any questions or need additional information regarding the report.

Respectfully submitted,

*Rae McQuade*

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



## **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

---

June 18, 2014  
Page 2

cc without enclosures: Chairman Cheryl A. LaFleur, Federal Energy Regulatory Commission  
Commissioner Tony Clark, Federal Energy Regulatory Commission  
Commissioner Philip D. Moeller, Federal Energy Regulatory Commission  
Commissioner John R. Norris, Federal Energy Regulatory Commission

Mr. Michael Bardee, Director, Office of Electric Reliability, Federal Energy Regulatory Commission  
Mr. Michael McLaughlin, Director, Office of Energy Market Regulation, Federal Energy Regulatory Commission  
Mr. David Morenoff, Acting General Counsel, Office of the General Counsel, Federal Energy Regulatory Commission  
Ms. Jamie Simler, Director, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission

Mr. Michael Desselle, Chairman and CEO, North American Energy Standards Board  
Ms. Valerie Crockett, 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 noted in the appendices are available publicly on the NAESB web site – <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 List of Available Transcripts  
Appendix D Timeline of Activities  
Appendix E NAESB WGQ Annual Plan

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

**Coordination of the Scheduling Processes of** )  
**Interstate Natural Gas Pipelines and Public Utilities** )

**Docket No. RM 14-2-000**

**REPORT OF THE NORTH AMERICAN ENERGY STANDARDS BOARD**

The North American Energy Standards Board ("NAESB") is voluntarily submitting this report in accordance with the Notice of Proposed Rulemaking ("NOPR") on *Coordination of the Scheduling Processes of Interstate Natural Gas Pipelines and Public Utilities*<sup>1</sup> issued on March 20, 2014 in the above referenced docket. Included in this report is a summary of the activities that NAESB has undertaken in response to the requests contained within in the NOPR, and the issues considered by the organization in its effort to develop consensus standards. Additionally, a description of the activities the organization intends to undertake to satisfy the requests of the NOPR is included.

To support the following summary, five enclosures are attached to the report.

1. Appendix A is a list of the participants that attended or followed the activities of the NAESB Gas-Electric Harmonization ("GEH") Forum.
2. Appendix B links to the minutes, presentations and work papers from the NAESB Board Gas-Electric Harmonization Committee, the NAESB Board of Directors and the NAESB Gas-Electric Harmonization Forum meetings held in response to the Commission NOPR. Also included in Appendix B, are results from the "straw poll" votes and binding votes on motions that were taken during meetings or between meetings to support the effort.
3. Appendix C provides a list of the available transcripts that were taken during the meetings of the NAESB Board of Directors and the NAESB Gas-Electric Harmonization Forum.
4. Appendix D includes the timeline of activities and deadlines for the response to the NOPR and the development of NAESB Wholesale Gas Quadrant ("WGQ") standards.
5. Appendix E includes the 2014 WGQ Annual Plan as modified at the direction of the NAESB Board of Directors on June 4, 2014.

This report is intended solely as a status report from NAESB regarding activities to respond to the FERC NOPR. NAESB does not advocate that the Commission take a particular position on any of the issues presented.

The remainder of this report contains an executive summary, the NAESB GEH effort, the decision of the NAESB Board of Directors on April 4 and June 4, 2014, the next steps that NAESB intends to follow and concluding remarks.

**I. Background and Executive Summary**

NAESB, and its predecessor organization - the Gas Industry Standards Board ("GISB"), has long been involved in developing standards to support natural gas transportation scheduling and coordination with the electric industry. In 1994, GISB began the development of the first set of baseline scheduling standards and nomination related

---

<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>.

timelines. In response to correspondence<sup>2</sup> from then FERC Chairman Patrick Wood to NAESB Chairman Michael Desselle, NAESB began developing communications standards for pipelines and power generators. The work products developed by GISB and NAESB addressing natural gas transportation scheduling and coordination with the electric industry, include more than one hundred standards.

In 2011, the National Petroleum Council ("NPC") report "Prudent Development - Realizing the Potential of North America's Abundant Natural Gas and Oil Resources",<sup>3</sup> The NPC report identified NAESB and several other organizations as groups that should consider actions to improve coordination between the natural gas and electricity markets. In response, NAESB undertook an analysis of existing reports and prepared a document that outlined several courses of action that could be taken if there was industry and regulatory need to do so. The analysis<sup>4</sup> was completed in 2012; approved by the NAESB Board of Directors, provided to the FERC and made available publicly. Now, NAESB is describing the course of action underway to address the requests identified in the NOPR.<sup>5</sup>

In response to the NOPR issued by the Commission on March 20, 2014, the NAESB leadership took immediate action to structure the method by which the organization should respond to the requests of the FERC in an efficient and inclusive manner across the industry within the NAESB process. The NAESB leadership reactivated the NAESB Board GEH Committee (which had previously done work during 2012), formed the NAESB GEH Forum ("Forum") and convened a single topic Board meeting held on June 4, 2014 focusing solely on this topic. These efforts led to a proposed direction for standards development that, if endorsed by the subcommittees and WGQ Executive Committee, and ratified by the WGQ membership, would produce an alternative to the Commission's proposals related to scheduling gas transportation through the intraday nomination periods. This direction was reached by the NAESB Board of Directors based on the work within the confines of the NAESB process and on the NAESB principles of openness and balanced decision-making.

The Board of Directors, in making this decision, was informed by the efforts of the Forum. The Board of Directors had formally defined consensus of the Forum as 67% affirmative vote of each of the wholesale gas and wholesale electric market participants and 40% affirmative vote of each of the segments of the two markets. Although consensus on an alternative package incorporating all aspects of the proposals included in the NOPR was not reached during straw polling votes or binding votes by the wholesale gas and wholesale electric market participants, the process resulted in commonalities recognized by the Board of Directors in certain areas that allowed them to move the process forward and request standards development in certain areas. As such, they modified the NAESB 2014 WGQ Annual Plan<sup>6</sup> to include item 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."*

Specifically, these areas include standards related to the nomination deadline for the timely day ahead scheduling of gas transportation, the nomination deadline of evening day ahead scheduling of gas transportation and the nomination deadlines for scheduling intraday gas transportation through three cycles. The Board of Directors instructed that the standards development remain neutral on the gas day start time, as clear lines concerning the issue were made separating the positions of most of the wholesale gas market participants and most of the wholesale

---

<sup>2</sup> The correspondence was provided to Michael Desselle on December 14, 2004, and can be accessed from the NAESB web site: [http://www.naesb.org/member\\_login\\_check.asp?doc=ferc121404.pdf](http://www.naesb.org/member_login_check.asp?doc=ferc121404.pdf)

<sup>3</sup> The executive summary of the NPC Report, issued in 2011, can be accessed through the following hyperlink: <http://www.npc.org/reports/nard-execsummvol.pdf>.

<sup>4</sup> The NAESB analysis can be accessed through the following hyperlink: [http://www.naesb.org/pdf4/geh\\_report\\_0912.pdf](http://www.naesb.org/pdf4/geh_report_0912.pdf).

<sup>5</sup> *Coordination of the Scheduling Process of Interstate Natural Gas Pipelines and Public Utilities*, 146 FERC ¶ 61,201 at P 10 (2014)

<sup>6</sup> The 2014 WGQ Annual Plan can be found in Appendix E.

electric market participants. Described below are the actions the organization has taken to date and the actions the organization will take moving forward to be responsive to the requests of the Commission.

## **II. NAESB GEH Harmonization Effort**

On March 25, 2014, through a correspondence sent to the NAESB Board GEH Committee,<sup>7</sup> Michael Desselle, Chairman of the NAESB Board of Directors, reactivated the GEH Committee. He asked the committee co-chairs, Valerie Crockett and Dr. Susan Tierney, to schedule a conference call on March 27, 2014 to begin addressing the Commission's requests included in the March 20, 2014 NOPR. In the letter, Mr. Desselle asked the committee to lead the effort to find consensus based alternatives to the proposals contained in the NOPR and make a recommendation to the NAESB Board of Directors for action by the Wholesale Electric Quadrant ("WEQ") and WGQ Executive Committees related to any needed standards development. He also recommended that the three provisional annual plan items that were added to the WEQ and WGQ Annual Plans in response to the September 2012 report<sup>8</sup> of the Board GEH Committee be moved to active status for both quadrants.

As requested, a Board GEH Committee conference call was held on March 27, 2014. During this conference call the committee members and other participants reviewed the correspondence from Mr. Desselle and discussed his requests, including the process for considering consensus based alternatives to the proposal of the Commission. The committee supported Mr. Desselle's recommendation to move the provisional annual plan items resulting from the GEH report to active status and discussed the timeline and expectations for standards development if consensus could be reached on an alternative proposal to the NOPR.

To ensure that the effort garnered as much industry participation as possible, the committee recommended that a Forum be created and that participation and voting eligibility in the Forum mirror that used in NAESB subcommittees, whereby all interested parties, regardless of membership status, can participate and vote on behalf of their companies. The committee also discussed the need to establish a process for determining consensus positions within the Forum. During the conference call a motion was made that the Forum adhere to three guiding principles; (1) all industry interested parties are invited to participate; (2) individual companies will have one vote; and (3) simple majority balanced voting will be used to determine consensus in compliance with the NAESB procedures for balanced voting in committees. The purpose of the motion was to make certain that all impacted parties would have a seat at the table and voting rights within the activity, and to protect minority interests against the will of the majority, through segment representation. With balanced voting, each segment, despite the number of those participating, would be given an equal voice in the process. Due to time constraints, the meeting was adjourned before a vote on the motion could be taken and a subsequent conference call to continue discussion was scheduled for April 1, 2014. It was also determined that a conference call to review the NAESB segment structure and voting procedures be scheduled for participants that were unfamiliar with NAESB and its process. That conference call took place on the morning of April 1, 2014, prior to the conference call to continue discussion on the development of the Forum in the afternoon, and was well attended by a number of representatives from non-member companies.

On the afternoon of April 1, 2014, the committee reconvened the meeting to continue discussions on the motion made during March 27, 2014 and formalize a timeline for the effort. During the meeting, the participants came to the conclusion that raising the threshold for consensus from a simple majority, requiring 50% support from each quadrant, to a super majority, requiring 67% support from each quadrant and 40% support from each segment, would be in the best interest of the organization. This determination was supported so that any recommendations made by the Forum would represent a strong consensus position of the industry and to ensure that any recommendations for standards development sent to the Executive Committee(s) would have a greater chance of success, as the threshold of support to pass a standard is a super majority of the Executive Committee.

---

<sup>7</sup> The named members of the NAESB Board GEH Committee can be accessed through the following hyperlink: [http://www.naesb.org/pdf4/board\\_gas\\_electric\\_harmonization\\_members.pdf](http://www.naesb.org/pdf4/board_gas_electric_harmonization_members.pdf).

<sup>8</sup> The NAESB Gas-Electric Harmonization Committee Report, adopted by the NAESB Board of Directors on September 20, 2012, can be accessed through the following hyperlink: [http://www.naesb.org/pdf4/geh\\_report\\_0912.pdf](http://www.naesb.org/pdf4/geh_report_0912.pdf).

Once the definition of consensus for the Forum was established, the participants turned their attention to the timeline for the project. As the Commission provided NAESB 180 days to develop consensus standards that support any revisions to the Commission's proposal, and the ANSI accredited NAESB process has required posting and comment periods, the participants agreed to allow roughly half of the time allotted to find consensus on any alternative proposals, and half of the time to allow for standards development process. This timeline gave the Forum roughly two months to consider alternative proposals and to make a recommendation to the Board of Directors, and gave the NAESB subcommittees responsible for drafting standards six weeks to develop standards and modify any existing standards that would be necessary to support any alternative proposals developed by the Forum with approval of the NAESB Board of Directors. A detailed schedule outlining the dates in which the activities of the Forum, the Board of Directors, and any subcommittees and the Executive Committee(s) must take place was agreed to and is included in Appendix D.

The participants also discussed the need to begin identifying the standards that would be impacted by a change to the gas day start time and the nominations schedule as identified in the NOPR. The participants discussed the need to start cataloging the standards that are impacted, so that any modifications to those standards could be made in an expedited manner as any subcommittees assigned the standards changes would only have roughly six weeks to make the changes. Concerns were raised over the latitude that would be afforded to the subcommittees and whether they should begin work to develop a work paper containing the standards modifications that would need to be made to support the NOPR or if they should just identify the standards that would be impacted. Consensus among the participants could not be reached during the meeting, and it was agreed that the Board of Directors would make the decision in context of the other recommendations proposed by the committee at the April 4, 2014 Board meeting.

### **III. April 4 NAESB Board of Directors Decision**

On April 4, 2014, the NAESB Board of Directors held its regularly scheduled spring meeting to review the activities of the various Board committees and discuss the budget, the membership and 2014 annual plans. In addition to these items, the Board of Directors also considered the recommendations of the Board GEH Committee related to the March 20, 2014 NOPR. During the meeting the board was asked to consider modifications to the WEQ and WGQ Annual Plans to respond to the NOPR, the creation of the GEH Forum, the adoption of the process outlined for determining consensus within the Forum, the approval of the timeline to respond to the NOPR, and any direction to the Executive Committee(s) while the Forum considers alternatives to the proposal of the Commission.

As a large majority of the Board of Directors recognized the necessity of responding to the requests of the Commission in the NOPR, there was little discussion concerning the establishment of the Forum or changing the status of the annual plan items created in response to the September 2012 GEH report from provisional to active. There was also little discussion concerning the proposed timeline developed by the committee, as the board was aware of the timing requirements of the NAESB standards development process and the need to meet the deadlines established by the Commission. The board members did have substantive discussion concerning the merits of requiring super majority support of the Forum to establish consensus versus simple majority support and the action the WGQ Executive Committee should take while the Forum attempts to develop consensus around an alternative proposal to the NOPR. While a number of board members noted that attaining super majority support of both quadrants for any alternative proposal would be difficult, the recommendation of the committee was supported to ensure that any standards development activity that resulted from the effort would have a higher likelihood of success and would be a good use of resources and time. The board also spent significant time discussing the action the WGQ Executive Committee should take while the Forum attempts to develop a recommended alternative proposal. The board supported the identification and cataloging of standards that would be impacted should the proposals contained in the NOPR be included in a final order of the Commission; however, some did not support the next step discussed by the committee of drafting a work paper of the standards modifications that would need to be considered to reflect the start to the gas day and nomination schedule contained in the NOPR. It was made clear that the resulting work paper would not be presented to the Executive Committee(s) and that no action from the Executive Committee(s) would be expected until standards to support the consensus position of the Forum were developed, or, in the event consensus could not be reached by the Forum, a final order is issued by the Commission. A few board members expressed concern about the efficient use of resources of the organization and cross over

participation between the Forum and those involved in the standards development. The recommendation to develop the work paper was widely supported as a way to expedite development should the Commission support the proposal outlined in the NOPR, or should NAESB be unable to achieve a consensus based alternative.

At the conclusion of the board meeting, the board agreed to the following.

1. To modify the status of the WEQ and WGQ 2014 Annual Plan items developed in response to the 2012 GEH report from provisional to active.
2. To establish the NAESB GEH Forum, and define the process that the Forum will use for decision-making.

The process used for the development of consensus within the forum was as follows. (a) All industry interested parties are invited to attend; (b) individual companies will have one vote per quadrant and segment in which they operate; and (c) super majority balanced voting will be used to determine consensus – in compliance with the NAESB procedures for balanced voting in Executive Committees. For voters in the Forum process, there is one vote per company representative, for each segment in which that company qualifies according to the NAESB definitions.

3. To adopt the timeline for the project as presented by the committee.
4. To support the creation of a catalog of NAESB standards that would require modifications should the FERC proposal be adopted in a final rule.
5. To support redlining the NAESB standards noted in the catalog to reference the FERC proposal.

#### **IV. NAESB GEH Forum Effort**

The co-chairs of the NAESB GEH Forum, Valerie Crockett and Dr. Susan Tierney, initiated the effort on April 4, 2014 by issuing an industry-wide call for presentations offering alternatives to the Commission's proposal that address the objectives identified in the NOPR. The request was distributed to the NAESB membership, all interested parties that had requested participation through the NAESB distribution list, and all interested trade associations and industry groups. The notice requested that all parties interested in submitting a presentation offering an alternative proposal indicate to the NAESB office of their intention to do so by April 11, 2014 and submit their presentations by April 18, 2014 in advance of the first Forum meeting.

The Forum held four all-day face-to-face meetings in Houston, Texas on April 22-23, 2014, May 5-6, 2014, May 22-23, 2014 and June 2-3, 2014. Conference call and webcast capabilities were made available for every meeting and in total over the four meetings; roughly four hundred and seventy people participated in person or remotely and nearly seven-hundred people monitored the effort through the NAESB distribution lists. Detailed voting records were maintained for each meeting that include the results of over 13,000 individual votes cast on a total of 56 ballots during the May and June meetings. The meetings were structured so that the participants could review the alternative proposals offered for consideration, identify and discuss the issues presented in the proposals, develop alternative proposals based upon the discussion, form consensus around the heavily supported alternative proposals and vote on a final package for consideration by the Board of Directors.

##### **A. NAESB GEH Forum Meeting – April 22-23, 2014**

The first meeting of the GEH Forum was held on April 22-23, 2014. The purpose of the meeting was to review the thirteen presentations<sup>9</sup> offering alternatives to the Commission's proposal contained in the March 20, 2014 NOPR. Presentations were submitted by the National Gas Council ("NGC"), the ISO/RTO Council ("IRC"), the Interstate Natural Gas Association of America ("INGAA"), Northern Natural Gas, Washington Gas Light/Piedmont Natural Gas, National Grid, Southern Company Services, Pacific Gas and Electric ("PG&E") and Southern California Gas Company, Hess Energy Marketing, Desert Southwest Pipeline Stakeholders ("DSPS"), Southwest Customer Group,

---

<sup>9</sup> Hyperlinks to the presentations can be found in Appendix B.

American Electric Power ("AEP") and the Conservation Law Foundation/Skipping Stone. During the meeting, the presenters were given thirty minutes to review their proposals and ten minutes to answer any questions asked for clarification purposes.

Of the thirteen proposals reviewed, eight proposals offered specific alternatives to the gas day start time and nomination schedule presented in the NOPR, and five of the presentations proposed more generalized or conceptual alternatives to the objectives of the Commission as expressed in the NOPR. The eight proposals that offered specific changes to the timeline offered in the NOPR varied by region and segment. The NGC and INGAA proposals were similar, recommending three intraday cycles with similar nomination deadlines for the day-ahead and intraday cycles. Variations included a 4:00 am Central Clock Time ("CCT") start time for the gas day by INGAA and a 9:00 am CCT start by the NGC and a 9:00 pm CCT nomination deadline for the intraday three cycle and 7:00 pm CCT nomination deadline by INGAA. The recommendations of the DSPS and the Southwest Customer Group were also similar, with the major variation being the inclusion of four intraday cycles by the Southwest Customer Group and three by the DSPS with an earlier timely day ahead nomination deadline. The presentations of the IRC, Southern Company Services and National Grid were all similar to the proposal in the NOPR, with major variations being a 2:00 am CCT start time for the gas day by National Grid and an earlier nomination deadline for the first intraday cycle and a later nomination for the last intraday cycle. Southern Company Services also offered an earlier nomination deadline for the first intraday cycle, as did the IRC with a 2:00 pm CCT deadline for timely day ahead nominations. The PG&E and Southern California Gas presentation was also similar to the NOPR, except for variations to the nomination deadlines for the intraday two, three and four cycles, which were significantly later than those proposed in the NOPR. The presentations that did not propose specific alternatives to the timeline of the NOPR recommended the creation of a synchronized energy day for both markets or multiple energy days divided by region, hourly intraday nomination cycles, suspension of modifications to the gas timeline until modifications were made to the timing of processes in the wholesale electric market or general principles that should be followed for changes to the gas day timeline.

At the conclusion of the meeting, ten issues were identified that should be addressed by the Forum in the development of alternative proposals. These issues included the gas day start time, the number of intraday nominations, the cycle times and the time needed for reaction, electric market clearing timelines, the time of the last bumping cycle, the consideration of an energy day(s), capacity release market changes, the need for a clean-up or post-op nomination cycle, modifications to the treatment of primary firm service for transportation nominations versus secondary firm service for out-of-path transportation nominations and flexibility concerning the elapsed prorated scheduled quantities. Participants were encouraged to discuss these issues within their companies and be prepared to discuss their positions during the next scheduled meeting.

#### B. NAESB GEH Forum Meeting – May 5-6, 2014

The next meeting was held on May 5-6, 2014. During this meeting, the participants reviewed a work paper developed by the co-chairs of the Forum comparing the thirteen proposals in a tabular format that identified the gas day start time, day-ahead and intraday nominations times and the timing of the related processes of each proposal and the NOPR. The work paper served as a foundation for the development of the proposals considered by the Forum and aided in the discussions on the issues identified in the previous meeting. A hyperlink to the work paper can be found in Appendix B.

The participants spent the morning of the first day of the meeting discussing the issues raised in the presentations, with a focus on the gas day start time, the timing and number of nomination cycles, and impact that changes to the intraday and day ahead scheduling periods would have on existing operations and the current workday of the industry. Representatives from the WEQ ISO/RTO segment discussed their primary issue, which is the need to have the start of the gas day occur no later than 4:00 am CCT, so that the end of the previous gas day does not occur in the middle of the electric ramp time for the morning peak. A number of WGQ Local Distribution Company ("LDC") segment representatives from the east coast also supported a gas day start time no later than 4:00 am CCT and identified it as their primary issue also noting that a start time between 4:00 am CCT and 9:00 am CCT during the morning peak would be problematic for distribution companies. Representatives from west coast WGQ LDCs,



End-Users and WEQ Generators expressed their preference for the status quo regarding the start of the gas day, noting that a 4:00 am CCT start time is at 2:00 am in their time zone. The west coast WEQ Generators noted that their ability to have gas price stability before they bid into the ISO market as their primary concern, as it ensures market efficiency in the wholesale electric market. Representatives from the WEQ Generators segment in the southwest stated that their primary issue is the inability to nominate their firm gas contracts during the last intraday period of the day due to the no-bump policy of the Commission. The WEQ Generators in the southwest noted the importance of scheduling flexibility in their area during the hours around 7:00 pm CCT in order to meet the needs during the afternoon electric peak period and support the use of renewable fuels.

During the afternoon of the first day of the meeting and through the second day of the meeting, the participants began to offer motions on the concepts contained in the proposals and issues discussed during the morning session of the meeting. The motions presented addressed specific start times for the gas day, nomination deadlines for the day ahead and intraday cycles, bumpable versus non-bumpable gas cycles and the concept of multiple gas days. In an effort to get a sense of the support for the proposals, it was agreed that the votes on the motions would be non-binding, straw polls and that the purpose of the votes would be to determine the positions of the various segments participating. At the conclusion of the meeting, the participants were encouraged to use the information solicited through the voting to begin reaching consensus on an alternative package that would support the objectives of the NOPR.

#### C. NAESB GEH Forum Ballot – May 13, 2014

In effort to garner more information and understand the positions of each segment participating in the effort, a survey was distributed to the GEH Forum distribution list on May 13, 2014 requiring responses by noon Central time on May 16, 2014. The survey was broken into three parts, each with the purpose of soliciting specific information. In total 242 responses to the survey were provided by the Forum participants. Overall, the purpose of the survey was to elicit information (through strawman votes) regarding how various issues might be addressed and how much/little support might be attached to alternative approaches.

The first section of the survey focused on the NOPR and asked the participants if they could support the full proposal outlined in the NOPR. In the following questions, each element of the NOPR was broken out individually and the participants were asked if they supported each of the individual elements (the gas day start time, the two day-ahead nomination periods, and the four intraday nomination cycles). In the final question of the section, the participants were asked if they could modify only one element of the NOPR, which would they modify. In response to the first question, regarding support of the NOPR as a package, 42% of the WEQ respondents were in support and 11% of the WGQ respondents were in support. Of the six individual pieces of the NOPR package, only the timely day-ahead nomination cycle received super majority support of both the WEQ and WGQ participants with 84% support from the WEQ respondents and 78% support from the WGQ respondents. In response to the final question of the section, the respondents of both quadrants overwhelmingly identified the start to the gas day as the one element of the NOPR they would modify, if they could modify only one element.

The second section of the survey focused on the individual proposals reviewed by the participants during the April 22-23, 2014 meeting. The participants were asked if they support the proposal outlined in each of the individual presentations, whether they prefer the proposal outlined in the presentation to the NOPR, whether the proposal outlined in the presentation will improve the coordination between the markets and whether their company can operate within the model outlined in the proposal provided in the presentation. Of the thirteen presentations considered, the INGAA proposal clearly garnered the most support. In response to the first question concerning general support for the presentation, it received 50% support from the WEQ respondents and 46% support from the WGQ respondents. As an alternative to the FERC NOPR, the presentation received 66% support from the WEQ respondents and 76% support from the WGQ respondents. Based upon the threshold for determining consensus within the Forum, the question was one percentage point from receiving super majority support from both quadrants and 2.5% percentage points in the WEQ Transmission segment away from receiving 40% support of each quadrant. When asked if the proposal outlined in the presentation would improve coordination between the two markets, 60% of the WEQ respondents and 57% of the WGQ respondents noted support. Finally, in response to the last question

of the section concerning the participant's ability to operate under the model presented in the proposal, 62% of the WEQ respondents were in support and 70% of the WGQ respondents were in support.

The final section of the survey contained questions that were developed by each of the participating segments, resulting in thirty-three total questions. Prior to the conclusion of the May 5-6, 2014 meeting, the co-chairs of the Forum requested that each of the individuals participating in the meeting convene with others in their segment to develop up to three questions to be considered part of the survey in areas where they would like to gain additional information from the Forum participants. Leaders from each of the segments were designated to convene their segment representatives and given until May 12, 2014 to develop questions that could be considered by the larger Forum during the May 22-23, 2014 meeting. During the development of the questions by the segments, the segment leaders were asked to eliminate questions geared towards the establishment of implementation dates of any standards developed through the process, cost allocation, requests for cost-benefit analyses by the Commission or any other question outside the scope of the effort or NAESB as an organization, and provide questions related specifically to consensus building around packages that contain alternative proposals to the NOPR and meet the objectives of the Commission. Of the thirty-three survey questions received, five passed the requisite super majority support of both quadrants and forty percent support from each of the segments. The questions surpassing this threshold are provided below:

1. The no bump rule must be retained for flowing gas after 9:00 pm Central.
2. The natural gas day will not have any more than three intraday cycles.
3. For the standard NAESB cycles, the minimum processing time between the Timely Nomination Deadline and the Timely Scheduling Deadline shall be 4 hours. Furthermore, the minimum processing time between the Nomination Deadline and the Scheduling Deadline for all additional standard NAESB cycles shall be 3 hours
4. Final intraday cycle must be "no-bump"
5. There should be 3 Intraday (affecting within Gas Day flows) nomination cycles. The timing of such nomination cycles to be determined. The timing of changes in Gas Flow from such cycles to be determined.

#### D. NAESB GEH Forum Meeting – May 22-23, 2014

During the May 22-23, 2014 meeting, the Forum participants reviewed the results of the May 13, 2014 survey and through discussion supported the concept of developing of individual packages to be considered by the Forum in upcoming discussions so as to leverage the indicative information obtained through the survey. As the proposal in the INGAA presentation received the most support from those responding to the survey, the participants agreed to use the start of the gas day and nomination schedule provided in the proposal as a baseline for developing packages for consideration.

During the meeting a total of nine packages offering variations to the INGAA proposal were developed and considered for vote. The packages included variations to the start of the gas day, the evening day-ahead nomination deadline, the inclusion of four intraday nomination cycles, adjustments to the nomination and confirmation deadline for the intraday two cycle, adjustments to the nomination and confirmation deadline for the evening day-ahead cycle, and the concept of the addition of a post operations "clean-up" cycle. As a result of the indicative/strawman vote on the packages, some packages were withdrawn by those submitted and modifications were made to the packages in an attempt to garner new support by the participants.

Through the process of elimination resulting from multiple rounds of strawman voting on the packages and discussion by the participants, the Forum narrowed the number of packages to be considered to four. The remaining four packages proposed a 1:00 pm CCT timely day-ahead nomination deadline, a 6:00 pm CCT evening day-ahead nomination deadline, a 10:00 am CCT intraday one nomination deadline, a 2:30 pm CCT intraday two nomination deadline and a 7:00 pm CCT non-bumpable intraday three cycle with only variations of the gas day start time. The gas day start time included in the final four packages were 4:00 am, 6:00 am, 7:00 am and 9:00 am, all of which were CCT. At the conclusion of the meeting, the participants were encouraged to discuss the four remaining alternative proposals within their companies and with other segment participants and to be prepared to

take final binding votes on each of the four package proposals during the final Forum meeting scheduled for June 2-3, 2014.

E. NAESB GEH Forum Meeting – June 2-3, 2014

During the final Forum meeting, the participants were given an opportunity to discuss their positions relative to the remaining four alternative proposals and caucus within their respective segments in preparation for votes to continue the process of elimination of the remaining packages. A non-binding straw poll was taken on the remaining four packages to determine the support of each of the packages and to indicate the positions of the various segments voting. A strong preference in the initial non-binding and straw vote and then the subsequent binding vote was given to packages proposing a 4:00 am CCT, 7:00 am CCT and 9:00 am CCT start to the gas day, with the package containing the 6:00 am CCT start to the gas day only receiving 21% support of the WEQ participants and 36% support from the WGQ participants. As result of the first binding vote, the package containing the 6:00 am CCT start time was eliminated from consideration.

The second binding vote of the Forum on the remaining three packages demonstrated a clear preference for the 4:00 am CCT or 9:00 am CCT start to the gas day with the package containing the 7:00 am CCT start to the gas day only receiving 35% support of the WEQ participants and 50% support from the WGQ participants. The proposal including the 4:00 am CCT start to the gas day received 75% support from the WEQ participants and 46% support from the WGQ participants, while the 9:00 am CCT start time received 40% support from the WEQ participants and 82% support from the WGQ participants.

With only two packages remaining, the participants were asked in the third binding vote whether they can support the packages proposed and whether they do support the packages proposed to ensure that the most amount of information would be solicited from the vote and to determine if voters could operationally support the option if each piece of the schedule was adopted by the Commission, rather than just communicate a preference. The results of the third vote on the two remaining packages did not result in super majority support for either package, or meet consensus as defined by the NAESB Board of Directors.

On a cumulative percentage basis, however, the package including the 9:00 am CCT start to the gas day received the most support. The package offering a 4:00 am CCT start to the gas day received 69% support from the WEQ participants and 28% support from the WGQ participants, and the package offering 9:00 am CCT start to the gas day received 38% support from the WEQ participants and 82% support from the WGQ participants. Regarding segment thresholds as defined by the balanced voting procedures, the package containing the 9:00 am CCT start to the gas day received the requisite 40% from all WGQ segments, but did not receive 40% support from the WEQ Transmission, Generation, Marketer/Broker or IGO segments. With regard to the motion concerning the operational feasibility of the packages, the WEQ participants achieved 76% support for the 4:00 am CCT start to the gas day and 44% support for the 9:00 am CCT start, while the WGQ participants had 50% support for the 4:00 am CCT start and 86% support for the 9:00 am CCT start.

A final binding vote was taken on the package including the 9:00 am CCT start to the gas day to determine if consensus support could be achieved. At the conclusion of the voting, 43% of the WEQ participants and 86% of the WGQ participants voted that they can support the package and 39% of the WEQ participants and 80% of the WGQ participants voted that they do support the package. As the package failed to achieve the requisite 67% support of the entire WEQ and 40% support from each segment of the WEQ consensus on the package containing the 9:00 am CCT start to the gas day was not achieved. The required 40% support was not achieved in the WEQ Transmission, Generation, Marketer/Broker and IGO segments. This vote signified that there was not consensus on the package from the Forum.

Before the conclusion of the final Forum meeting, a motion was made to take a final binding vote on the nomination schedule included in the final package without a specified start time for the gas day, as the proposal had garnered the requisite super majority balanced voting support and consensus as defined by the Board of Directors when paired with the preferred start time of the gas day of each quadrant, (4:00 am CCT for the WEQ participants and 9:00 am CCT for the WGQ participants). Several participants expressed concern for voting on an incomplete package and

indicated that they could not support such in a vote; however, many of the participants supported the motion to take the vote, as all of the packages considered during the final meeting of the Forum included an identical nomination timeline. A group of independent system operators prepared written remarks for the Forum's consideration, which can be found in Appendix B. In response to the motion as to whether the voters can support the package without a defined gas day, 49% of the WEQ participants voted in support and 82% of the WGQ participants voted in support. Regarding the question if the voter does support the package, 45% of the WEQ voted in support and 78% of the WGQ voted in support. Again, this vote signified that there was not consensus on the package from the Forum.

## **V. NAESB Board of Directors Decision on June 4, 2014**

On June 4, 2014, the Chairman of the NAESB Board of Directors held a conference call to review the results of the efforts undertaken by the GEH Forum and to determine the next steps the organization should take in response to the March 20, 2014 NOPR. The Board of Directors reviewed the results of the four meetings held by the Forum and the voting record leading to the final binding vote on the package that remained through the process of elimination of the proposals considered. The board members also reviewed the alternative proposals included in the final four packages considered during the June 2-3, 2014 Forum meeting and discussed the inability of the Forum to reach consensus as defined by the board due to various positions concerning the start of the gas day. Several board members noted the commonalities of the four proposals related to the day ahead and intraday timelines and discussed why the Forum could not reach consensus on an alternative proposal that did not define a gas day start time. A few of the members reiterated the issue of moving forward with an incomplete package and proceeding with any recommendations given that the Forum did not reach consensus as defined in the April 3, 2014 meeting.

With substantial support by those providing comments, the board considered the following motion.

"Although consensus was not reached on a complete alternative to the proposed changes in the NOPR there appeared to be broad support from interested parties in both the gas and electric industries for changes to the intraday scheduling cycles and the day-ahead nomination cycles. Accordingly, the Board directs the WGQ Executive Committee to:

Add an item to the WGQ annual plan instructing the WGQ EC to write standards to reflect the timely and evening next day nomination cycles, and the 3 intraday nomination cycles as described in the last motions of the NAESB GEH Forum, remaining silent on the start of the Gas Day with the assumption the Commission will establish the gas day start best suited to achieve the objectives defined in the NOPR. Once an order is issued by the Commission in the NOPR proceeding, the WGQ EC will make the appropriate changes to the standards to reflect the changes as ordered by the Commission.

This motion is for the purpose of initiating work on the revisions to the standards and does not limit or restrict in any way those voting in favor of the motion from taking whatever position they deem appropriate to their interests in the NOPR."

It was clarified that the motion, if supported, would result in an item being added to the 2014 WGQ Annual Plan directing standards development through the NAESB process that would support the timelines for timely, evening, intraday 1, intraday 2 and intraday 3 nomination cycles as considered in the final package considered by the Forum, while remaining neutral on the gas day start time. The motion was supported by a simple majority of each of the quadrants, as is required for modifications to the annual plans.

## **VI. Next Steps**

As a result of the board action, the NAESB WGQ Business Practice Subcommittee ("BPS"), Information Requirements ("IR") and Technical Subcommittees have initiated meetings to modify the NAESB WGQ standards to incorporate changes to support the direction of the Board of Directors. The nearly 80 standards that will require modification have been cataloged by the BPS as requested during the April 3, 2014 Board meeting, and the BPS has met twice since the direction was provided to address the annual plan item. The IR and Technical Subcommittees

have also scheduled meetings to consider the modifications that will be necessary to implement the technical changes to the NAESB standards as a result of the BPS activity.

As described in the GEH effort timeline, the subcommittees will vote on a recommendation containing the modified or new standards by July 18, 2014, which will be posted for a thirty-day industry wide comment period. On August 22, 2014, the WGQ Executive Committee will meet to consider the recommendation and any comments submitted. A vote on the recommendation, as required by the NAESB process, will take place during the meeting and, if approved, the proposed new standards and/or standards modifications will be distributed for ratification by the WGQ membership. If ratified, the standards will become a NAESB final action and will be filed with the Commission by September 29, 2014. Upon completion of the standards development efforts by the BPS and IR and Technical Subcommittees, the subcommittees will continue their efforts to develop a work paper containing the redlined changes that would be necessary to effectuate the modifications proposed in the March 20, 2014 NOPR.

As described in the NOPR, upon issuance of a final rule by the Commission in Docket No. RM14-2-000, NAESB will respond by integrating the Commission's regulations into its standards within 90 days of the effective date of the final rule and will notify the Commission when the standards have been approved.

## **VII. Conclusions**

The effort to develop a consensus position within NAESB as requested by the Commission has been one of the largest activities the organization has undertaken in several years. The effort of the GEH Forum drew in nearly five hundred active participants and over seven-hundred participants monitoring the activity who represented all facets of the wholesale gas and wholesale electric markets. During the GEH Forum efforts, more than 8000 electronic votes were taken, which can be accessed through the minutes of the meetings – either in aggregate or detailed form. Although consensus on a complete alternative proposal from the GEH Forum could not be reached, the direction provided by the NAESB Board of Directors represents progress towards improved coordination of the two markets. All participants engaged in the NAESB process have been encouraged to also participate in the standards development efforts currently underway to implement the vision of many in the GEH Forum and that of the Board of Directors.<sup>10</sup> As the NAESB process completes, NAESB will provide a status report and the record of its efforts to the Commission by September 29.

---

<sup>10</sup> A letter of appreciation from Chairman Desselle to the Forum participants that provides instructions for participation in the NAESB WGQ BPS can be accessed through the following hyperlink: <http://www.naesb.org/pdf4/bd060414a2.pdf>.

Appendices

Appendices:

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



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

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, Michehl	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
Feemster, Bryan	City Utilities of Springfield, Missouri	Gillingham, Rick	Hoosier Energy Rural Electric Cooperative, Inc.
Fernandez, Anna	Federal Energy Regulatory Commission (FERC)	Ginnetti, Jim	EquiPower Resources Corp
		Ginsberg, Susan	Independent Petroleum Association of America (IPAA)

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

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

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

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)	McCoy, Matt	SouthernStar Central Gas Pipeline
Lavarco, William	NextEra Energy Power Marketing, LLC	McDermott, Mike	Pacific Gas and Electric Company (PG&E)
Lee, Amy	Northwest Natural	McGeeney, Chris	Associated Electric Cooperative Inc.
Leesman, Katie	Process Gas Consumers Group (Ballard Spahr LLP rep)	McLafferty, Dan	Pacific Gas and Electric Company (PG&E)
Lehman, Richard	Salt River Project Agricultural Improvement & Power District	McQuade, Rae	North American Energy Standards Board
Lemmie, Valerie	EISPC		
Lennon, Rose	Washington Gas Light Company		

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

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

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

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

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

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

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

Walker, Wesley	Dominion Resources Services, Inc.
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)
Wozniak, Caroline	Federal Energy Regulatory Commission (FERC)
Yeung, Charles	Southwest Power Pool
Yildirok, Val	Portland General Electric Company
Yoho, Lisa	BG Energy Holdings Limited
York, Kathy	Tennessee Valley Authority
Young, Christopher	Exelon
Young, Randy	Boardwalk Pipeline Partners, LP
Zenner, Courtney	BG Group

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.
		Van Pelt, Gregory	California Independent System Operator Corp.



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

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.
Wilmotte, 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	Lemmie, Valerie	EISPC
Plumaj, Joshua	Columbia Gulf Transmission	Gross, Stanley	El Paso Electric
Miyaji, Wendell	Comverge		

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

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
Stuchell, Jeff	FirstEnergy Solutions	Reetz, Jenny	Integrays Energy Group, Inc.
Mancuso, Melanie	FirstEnergy Utilities	Selsmeyer, Patrick J.	Integrays Energy Services, Inc.
		Benson, Marty	Intermountain Gas Company
		Robbins, Chris	Intermountain Gas Company

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

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
Engels, William	Los Angeles Department of Water & Power	Smith, Jim	Municipal Energy Resources Corporation
Batra, Sharat	Los Angeles Department of Water and Power	Copeland, Karen	Municipal Gas Authority of Georgia
		Frey, Michael	Municipal Gas Authority of Georgia
		Lobdell, Julie	Municipal gas Authority of Georgia
		Keogh, Miles	National Association of Regulatory Utility Commissioners (NARUC)
		Ramsey, Brad	National Association of Regulatory Utility Commissioners (NARUC)

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

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

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

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

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

Weber, Sharon	PPL EnergyPlus, LLC	Lehman, Richard	Salt River Project Agricultural Improvement & Power District
Grassi, Bob	PPL Services Corporation		
Minneman, Jim	PPL Solutions, LLC	Pennock, Lori-Lynn	Salt River Project Agricultural Improvement & Power District
Anker, Alisha	Prairie Power, Inc.		
Breden, Dan	Prairie Power, Inc.	Price, Kent E.	Salt River Project Agricultural Improvement & Power District
Breezeel, Phillip	Prairie Power, Inc.	Calhoun, John Anthony	Santee Cooper
Leesman, Katie	Process Gas Consumers Group (Ballard Spahr LLP rep)	Horne, Glenda	Santee Cooper
Hill, Audrea	PSC Nitrogen Fertilizer, L.P.	Salisbury, Chad	Santee Cooper
Caffery, David	PSEG Energy Resources & Trade LLC	Gill, Paul	Sea Robin Pipeline company, LLC
Kijowski, Drake R.	PSEG Energy Resources and Trade LLC	Reid, Jack	Seminole Electric Cooperative, Inc.
		Ellis, John	Sempra Utilities
Crawford, Ernie	Public Service Company of New Mexico	Russo, Chris	Sequent Energy Management, L.P.
Maestas, Steve	Public Service Company Of New Mexico	Kerr, Paul	Shell Energy North America (Canada)
		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.	Ishikawa, Richard	Southern California Gas Company
Hanchey, Jeannette	PXD	Lasa, Dulce	Southern California Gas Company
Faust, Tina	Questar Gas Company	Musich, Beth	Southern California Gas Company
Gross, Jerry H.	Questar Pipeline Company	Wah, Pauline C.	Southern California Gas Company
Hogarth, Cleve	Quorum Business Solutions, Inc.	Ciza, John	Southern Company Services, Inc.
Smead, Rick	RBN Energy LLC	Grover, Scott	Southern Company Services, Inc.
		Hiller, Roy	Southern Company Services, Inc.
Percell, Cynthia	Red Willow Production Company owned by the Southern Ute Indian Tribe	Moore, Wayne	Southern Company Services, Inc.
Jordan, Deena	Regency Energy Partners LP		
Roth, Tom	Roth Energy Company		
Jones, Paul	Salt River Project Agricultural Improvement & Power District		

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

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
Shipley, 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
Callager, Montie	Targa Resources Inc.	Furino, Robert S.	Unitil
Simon, Timothy	TAS Strategies	Simpson, Carleton	Unitil Energy Systems
Kennedy, Andrew	TECO / Peoples Gas System	Foss, Michelle	University of Texas
Corritore, Janet	Tenaska	Dickens, Dwayne	UNS Electric
Fossum, Drew	Tenaska Energy, Inc.	Shields, Justin	UNS Electric
Shumway, Neal	Tenaska Marketing Ventures	Freitas, Christopher	US Department of Energy
Glazebrook, Sherri	Tennessee Gas Pipeline Company, L.L.C.	Follmer, Annette	USG Corporation
Crockett, Valerie	Tennessee Valley Authority	Fuentes, Daryll	USG Corporation
		Persekian, Joe	USG Corporation
		Fulton, Brian	USN Gas Inc.

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

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
Colussy, Peter	Xcel Energy
Derryberry, Richard	Xcel Energy
Hild, Feffrey	Xcel Energy
Luner, Jared M.	Xcel Energy
Metzker, Amber L.	Xcel Energy
Karanian, Edna	Yankee Gas Services Company



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
03-27-14	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>
04-01-14 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>
04-01-14 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>
04-03-14	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>
04-04-14	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
04-22/23-14	<p>NAESB Gas-Electric Harmonization Forum Meeting Notes:  <a href="http://www.naesb.org/pdf4/geh042214notes.docx">http://www.naesb.org/pdf4/geh042214notes.docx</a></p>	<p>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></p> <p><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&amp;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></p>

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
05-5/6-14	<p>NAESB Gas-Electric Harmonization Forum Meeting Notes:  <a href="http://www.naesb.org/pdf4/geh050514notes.docx">http://www.naesb.org/pdf4/geh050514notes.docx</a></p> <p>Aggregated Straw Poll Results:  <a href="http://www.naesb.org/pdf4/geh050514a1.docx">http://www.naesb.org/pdf4/geh050514a1.docx</a></p> <p>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></p>	<p>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></p> <p>Antitrust Guidance: <a href="http://www.naesb.org/misc/antitrust_guidance.doc">http://www.naesb.org/misc/antitrust_guidance.doc</a></p> <p>Voting Process: <a href="http://www.naesb.org/pdf4/geh042214w3.docx">http://www.naesb.org/pdf4/geh042214w3.docx</a></p> <p>Segment Descriptions: <a href="http://www.naesb.org/pdf4/geh042214w2.doc">http://www.naesb.org/pdf4/geh042214w2.doc</a></p> <p>Timeline: <a href="http://www.naesb.org/pdf4/geh042214w1.pdf">http://www.naesb.org/pdf4/geh042214w1.pdf</a></p> <p>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></p> <p>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></p> <p>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></p> <p>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></p> <p>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></p> <p>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></p> <p>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></p> <p>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></p> <p>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></p>
05-13-14	<p>NAESB Gas-Electric Harmonization Forum Survey</p>	<p>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></p> <p>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></p>

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	<p>NAESB Gas-Electric Harmonization Forum Meeting Notes: <a href="http://www.naesb.org/pdf4/geh052214dm.docx">http://www.naesb.org/pdf4/geh052214dm.docx</a></p> <p>Aggregated Straw Poll Results: <a href="http://www.naesb.org/pdf4/geh052214a2.docx">http://www.naesb.org/pdf4/geh052214a2.docx</a></p> <p>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></p>	<p>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></p> <p>Antitrust Guidance: <a href="http://www.naesb.org/misc/antitrust_guidance.doc">http://www.naesb.org/misc/antitrust_guidance.doc</a></p> <p>Voting Process: <a href="http://www.naesb.org/pdf4/geh042214w3.docx">http://www.naesb.org/pdf4/geh042214w3.docx</a></p> <p>Segment Descriptions: <a href="http://www.naesb.org/pdf4/geh042214w2.doc">http://www.naesb.org/pdf4/geh042214w2.doc</a></p> <p>Timeline: <a href="http://www.naesb.org/pdf4/geh042214w1.pdf">http://www.naesb.org/pdf4/geh042214w1.pdf</a></p> <p>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></p> <p>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></p> <p>Comparisons of proposals: <a href="http://www.naesb.org/pdf4/geh050514a2.docx">http://www.naesb.org/pdf4/geh050514a2.docx</a></p> <p>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></p> <p>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></p> <p>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></p> <p>May 13 Survey: <a href="http://www.naesb.org/pdf4/geh051314survey.docx">http://www.naesb.org/pdf4/geh051314survey.docx</a></p> <p>May 13 Survey Results: <a href="http://www.naesb.org/pdf4/geh051314survey_results.docx">http://www.naesb.org/pdf4/geh051314survey_results.docx</a></p> <p>Straw Poll Packages - 05/22/2014: <a href="http://www.naesb.org/pdf4/geh052214w1.pdf">http://www.naesb.org/pdf4/geh052214w1.pdf</a></p> <p>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></p> <p>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></p> <p>Straw Poll Results - 05/22/2014: <a href="http://www.naesb.org/pdf4/geh052214w4.xlsx">http://www.naesb.org/pdf4/geh052214w4.xlsx</a></p> <p>Straw Poll Packages - 05/23/2014: <a href="http://www.naesb.org/pdf4/geh052214w5.pdf">http://www.naesb.org/pdf4/geh052214w5.pdf</a></p> <p>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></p> <p>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></p>

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
06-2/3-14	<p>NAESB Gas-Electric Harmonization Forum Meeting Notes:  <a href="http://www.naesb.org/pdf4/geh060214notes.docx">http://www.naesb.org/pdf4/geh060214notes.docx</a></p> <p>Aggregated Vote Tally:  <a href="http://www.naesb.org/pdf4/geh060214a2.pdf">http://www.naesb.org/pdf4/geh060214a2.pdf</a></p> <p>Individual Votes Tally:  <a href="http://www.naesb.org/pdf4/geh060214a3.pdf">http://www.naesb.org/pdf4/geh060214a3.pdf</a></p>	<p>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></p> <p>Antitrust Guidance: <a href="http://www.naesb.org/misc/antitrust_guidance.doc">http://www.naesb.org/misc/antitrust_guidance.doc</a></p> <p>Four alternative packages: <a href="http://www.naesb.org/pdf4/geh052214a1.docx">http://www.naesb.org/pdf4/geh052214a1.docx</a></p> <p>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></p> <p>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></p> <p>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></p> <p>Board June 4 Agenda and Announcement: <a href="http://www.naesb.org/pdf4/bd060414a.docx">http://www.naesb.org/pdf4/bd060414a.docx</a></p> <p>Voting Process: <a href="http://www.naesb.org/pdf4/geh042214w3.docx">http://www.naesb.org/pdf4/geh042214w3.docx</a></p> <p>Segment Descriptions: <a href="http://www.naesb.org/pdf4/geh042214w2.doc">http://www.naesb.org/pdf4/geh042214w2.doc</a></p> <p>Updated Timeline: <a href="http://www.naesb.org/pdf4/geh_timeline.pdf">http://www.naesb.org/pdf4/geh_timeline.pdf</a></p> <p>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></p> <p>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></p> <p>May 13 Survey: <a href="http://www.naesb.org/pdf4/geh051314survey.docx">http://www.naesb.org/pdf4/geh051314survey.docx</a></p> <p>May 13 Survey Results: <a href="http://www.naesb.org/pdf4/geh051314survey_results.docx">http://www.naesb.org/pdf4/geh051314survey_results.docx</a></p> <p>Comparisons of May 5-6 proposals: <a href="http://www.naesb.org/pdf4/geh050514a2.docx">http://www.naesb.org/pdf4/geh050514a2.docx</a></p> <p>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></p> <p>IRC Comments on 4AM Gas Day: <a href="http://www.naesb.org/pdf4/geh060214w2.docx">http://www.naesb.org/pdf4/geh060214w2.docx</a></p> <p>Packages (Ballots) June 2-3, 2014: <a href="http://www.naesb.org/pdf4/geh060214a1.pdf">http://www.naesb.org/pdf4/geh060214a1.pdf</a></p> <p>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></p>
06-04-14	<p>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></p>	<p>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></p> <p>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></p> <p>Correspondence from Michael Desselle, NAESB Board Chairman: <a href="http://www.naesb.org/pdf4/bd060414a2.pdf">http://www.naesb.org/pdf4/bd060414a2.pdf</a></p>

Appendix C: List of Available Transcripts

APPENDIX C – LIST OF AVAILABLE TRANSCRIPTS

DATE OF MEETING	MEETING AND MINUTES	TRANSCRIPTION SERVICE	HOW TO OBTAIN TRANSCRIPTS <sup>1</sup>
04-03-14	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
04-22/23-14	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
05-5/6-14	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
05-22/23-14	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
06-2/3-14	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
06-04-14	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

<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.

**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.



**\*\*TIMELINE -- SCHEDULE OF MEETINGS<sup>2</sup> AND DELIVERABLES**

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 June 4, 2014**

<b>Item Description</b>	<b>Completion<sup>i</sup></b>	<b>Assignment<sup>ii</sup></b>
<b>1. Update Standards Matrix Tool for Ease of Use<sup>iii</sup></b>		
a. Update the reference tool developed for Version 2.1 to reflect modifications applicable to Version 2.2 Status: Not Started – Pending Publication of Version 2.2	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 with the exception of the Offer – Standard No. 5.4.24, Bid - Standard No. 5.4.25, Award Download - Standard No. 5.4.26 and the Operational Capacity - Standard No. 0.4.2 and Unsubscribed Capacity - Standard No. 0.4.3 data sets in Capacity Release to ensure consistency with the related data dictionaries. <sup>iv</sup> Status: Underway	2 <sup>nd</sup> Q, 2014	IR/Technical
<b>3. Development of EBB Code Values<sup>3</sup></b>		
a. Execute the plan for the review code values and code value descriptions in all data sets to make them easier to understand on the TSPs' EBB web sites. <sup>v</sup> Status: Underway	2 <sup>nd</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: Not Started	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 of NAESB contracts, specifically their General Terms and Conditions Status: Underway	TBD	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: Not Started	2014	EDM
b. Modify or develop standards as needed to apply the analysis of the above item (7a) Status: Not Started	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: Underway	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 June 4, 2014**

Item Description	Completion <sup>i</sup>	Assignment <sup>ii</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>1</sup> review and provide direction to develop standards or modify existing standards as needed for market timelines and coordination of scheduling.	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>2</sup> review and provide direction to develop standards or modify existing standards as needed for flexibility in scheduling.	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>3</sup> review and provide direction to develop standards or modify existing standards as needed for provision of information.	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: Underway	2 <sup>nd</sup> Q, 2014	BPS
b. Prepare fully staffed recommendation Status: Not Started	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>4</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”	4 <sup>th</sup> Q, 2014	BPS, IR/Technical
b. Develop redlines to the standards noted in Annual Plan Item 11a above, to support the FERC proposal	4 <sup>th</sup> Q, 2014	BPS, IR/Technical
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.	3 <sup>rd</sup> Q, 2014 <sup>5</sup>	BPS, IR/Technical

<sup>1</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>2</sup> Id.

<sup>3</sup> Id.

<sup>4</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>

<sup>5</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).

**Program of Standards Maintenance & Fully Staffed Standards Work**

Business Practice Requests	Ongoing	Assigned by the EC <sup>vi</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>

---

**Provisional Activities**

---

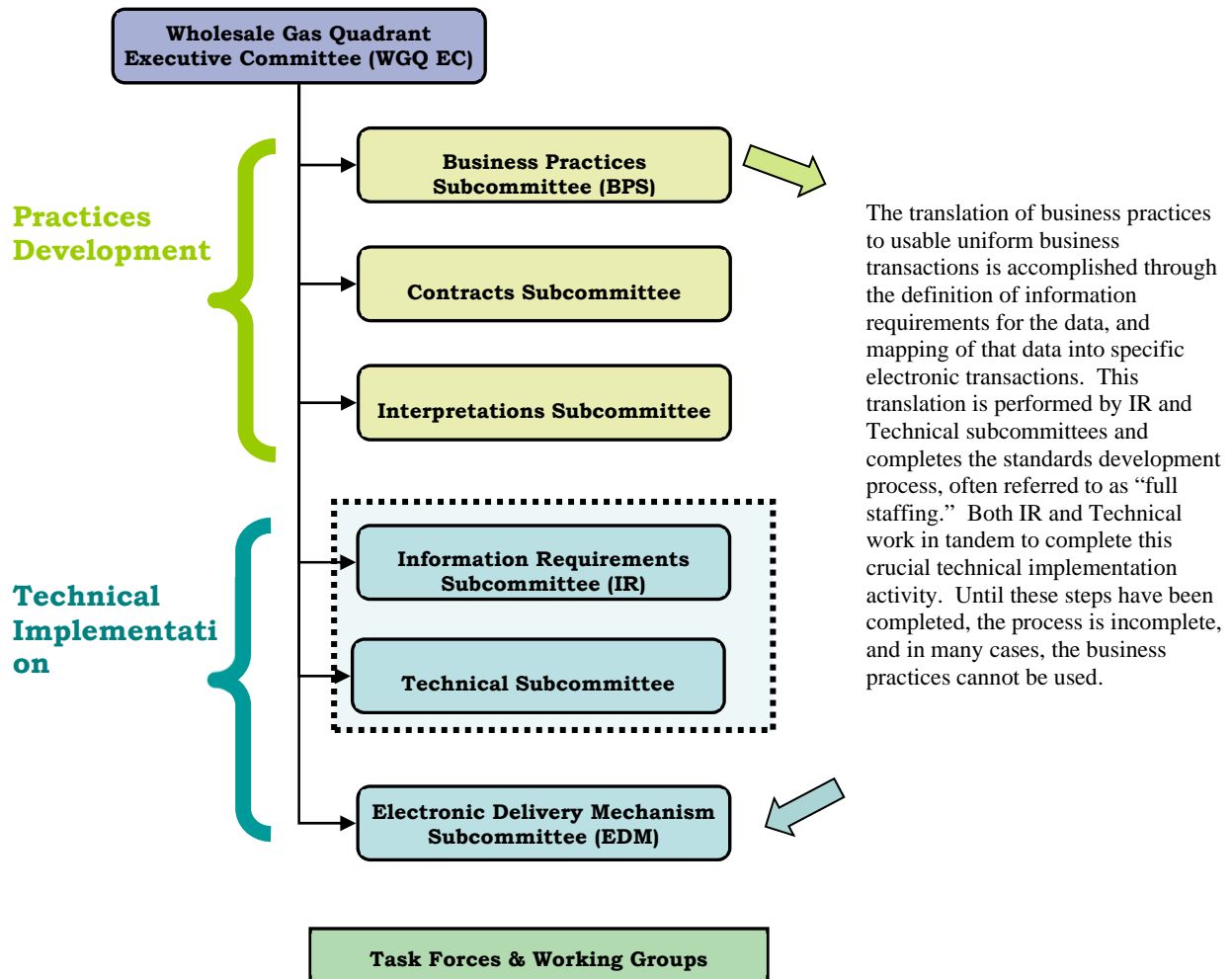
1. Develop standards as needed in support of Variable Energy Resources (VERs) final order (RM10-11-000). ([NAESB Comments 3-2-11](#), [FERC NOPR RM10-11-000](#), [FERC Final Order RM10-11-000<sup>6</sup>](#)) In review of the NAESB standards, the Gas/Electric Operational Communications Standards may require changes, and other standards may be required or modified to support gas-electric coordination.

---

<sup>6</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 and 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

Appendix A – GEH Timeline

Time Shifts -- All times CCT		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 E: NAESB WGQ Annual Plan

Time Shifts -- All times CCT		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%	

---

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

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

<sup>iii</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>iv</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>v</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>vi</sup> The EC assigns maintenance of existing standards on a request-by-request basis.