**via posting**

**TO:** NAESB Gas-Electric Harmonization (GEH) Forum Participants and Interested Industry Parties

**FROM:** Jonathan Booe, NAESB

**RE:** Staff Notes from theNAESB Gas-Electric Harmonization Forum Meeting in Houston, TX – March 7-8, 2016

**DATE:** March 16, 2016

Dear Gas-Electric Harmonization Forum Participants,

A Gas-Electric Harmonization (GEH) Forum meeting was held on March 7-8, 2016. The meeting was called to order at 8:30 am Central on March 7, 2016. Ms. Tierney presided over the meeting. The notes below reflect the NAESB staff summary of the meeting. To obtain a transcription of the meeting, please contact the NAESB office for instructions.

| **Notes from the March 7-8, 2016 NAESB Gas-Electric Harmonization Forum Meeting** | |
| --- | --- |
| **Administrative:** | Ms. McQuade welcomed the participants to the meeting and thanked everyone in the room and on the phone for their attendance. She, again, thanked Mr. Thorn and Ms. Tierney for chairing the meeting and turned the meeting over to Ms. Tierney. Mr. Booe provided the antitrust and meeting policy guidance. Ms. Tierney reviewed the draft agenda with the participants. Mr. Lander moved to adopt the agenda as posted and Ms. Crockett seconded the motion. The motion to adopt the agenda passed without objection. Ms. McQuade reviewed the notes with the participants and noted that comments were submitted by Ms. D. Davis. Mr. Lander moved to adopt the notes for the meeting and to treat the red line modifications submitted by Ms. D. Davis as comments. Ms. Crockett seconded the motion. Ms. D. Davis recommended that the redline modifications to the notes be considered and adopted by the participants as part of the record of the meeting. Mr. Lander modified his motion to delay consideration of the notes and the submitted redlines until the second day of the meeting, so that everyone would have an opportunity to review them. Ms. Crockett supported his modification. There were no objections to delaying the adoption of the notes. |
| **Review of Prior Meeting** | Ms. McQuade provided a summary of the previous meeting and the process that the forum will employ to create the report that will be considered by the Board of Directors during its April 7, 2016 meeting. She stated that the issues identified in the presentations are included in the meeting materials, beginning on page nine of the agenda, and recommended that the participants review the document to elaborate the issues and identify any other issues that were not identified. These issues should also be discussed in the context of the five questions included on page eight of the agenda.   1. Is a discussion of this issue within the scope of the Commission’s request that “… gas and electric industries, through NAESB, explore the potential for faster, computerized scheduling when shippers and confirming parties all submit electronic nominations and confirmations, including a streamlined confirmation process if necessary?” and “… natural gas and electric industries, through NAESB, begin considering the development of standards related to faster, computerized scheduling”? 2. Is it an issue that could be pursued where more uniformity or streamlining would meet the Commission’s request?  Would it be economical and efficient to do so?  Should consideration of this issue be postponed until we have more experience and a better understanding of the impact of changing the nominations timeline which is to be implemented April 1? 3. Is this an issue where a national standard is not helpful, and it best addressed by services individually tailored to customer’s needs and reflecting individual inherent operational requirements? 4. Is this issue a topic where tools can be used to address the Commission’s request and uniformity is not helpful or is more detrimental than beneficial? 5. Is this an issue where the Commission itself should consider addressing the issue (without presuming a conclusion that the Commission would actually decide to introduce policy changes, but still entertaining the possibility that additional action may be warranted after a full record is developed)? |
| **Review/Additions to List of Issues Raised during Previous Meeting** | Ms. Tierney recommended that the participants begin by reviewing the questions included on page eight of the agenda that are to serve as the lens through which the identified issues should be examined. Through discussion the participants modified questions three, four and five and added a number six. Question three was modified to broaden the scope and more clearly state that there may be other non-FERC policy related issues beyond NAESB’s purview that may prevent the organization from moving forward with standards development. Question four was modified to expand its scope to all miscellaneous topics. Question five was modified to more clearly state that NAESB cannot take action without prior action by the Commission. A new item was added as number six to identify issues or statements from the presentations that are considered factual points. The modified language can be found below in redline format.   1. Is this an issue where a national standard is not helpful, and it best addressed by services individually tailored to customer’s needs and reflecting individual inherent operational requirements? Is this an issue (non FERC policy related) where something stands in the way of resolving it? Is this an operational issue or some other matter that falls outside of NAESB’s purview? 2. Other Misc. Topics: Is this issue a topic where tools can be used to address the Commission’s request and uniformity is not helpful or is more detrimental than beneficial? 3. Is it an issue that NAESB cannot take action on in the absence of FERC taking prior action? Is this an issue where the Commission itself c~~s~~hould consider addressing the issue (without presuming a conclusion that the Commission would actually decide to introduce policy changes, but still entertaining the possibility that additional action may be warranted after a full record is developed)? 4. This is a factual point.   The group reviewed each issue identified, by presentation, beginning on page nine of the agenda and modified the language to more clearly elaborate the intent of the statement included in the presentation. The participants also associated each issue with a category as defined by the questions on page eight and modified during the meeting as noted above. The participants discussed the no-voting policy of the Forum and noted that association of an issue with a particular question is not an indication of agreement or consensus by the group concerning the association, rather a record of the comments provided by the participants. To emphasize this point, a disclaimer stating that “there is mixed opinion on all of the following points:” was included before all notations concerning the categorization of each issue.  On day one the participants reviewed, modified and made additions to the issues identified in the presentations of the Pipeline Segment, PJM, and ACES Power and through item five of the FIS presentation. A record of the modifications and notations captured by the participants can be found through the following hyperlink: <https://www.naesb.org/pdf4/geh030716w4.docx>.  The meeting was suspended at 4:59 pm Central on March 7, 2016.  The meeting re-opened at 8:30 am Central on March 8, 2016. The participants resumed their review of the issues identified in the presentations, beginning with item five of the FIS presentation. Upon conclusion of the review, several participants noted that number three of the questions included on page eight and modified by the group, actually has three separate parts to it that should be answered individually.  Ms. Tierney recommended that group review a number of overarching points that were identified through discussion on the individual issues and should be included in the final report presented to the Board of Directors:   * Because no votes were taken (by design), nothing in this report reflects a consensus view of NAESB members. * Because changes will be introduced after April 2016, it would be useful to gain insights from that new experience before considering what, if any, changes are needed. * Regarding questions on whether an issue is or is not in scope:   + By definition, if we’re reporting on an issue someone thought it was in scope   + But the scope from FERC and the Board may be narrower. * The list of issues originated in individuals’ presentations, but the subsequent summary phrasing and discussion of those issues does not necessarily reflect the original presenter’s point of view. * The meeting notes for each day’s session reflect the summary as prepared by the NAESB staff. Because no votes were taken on any matters during these meetings, the meeting notes should not be viewed as consensus statements. Participants have had the opportunity to provide comments on the sessions’ meeting notes, and any comments should be considered part of the record of discussions. The white board notes from the February session were the facilitator’s notes and do not reflect consensus from the meeting participants.   A record of the modifications and notations captured by the participants related to the issues identified during the meeting, including the list of overarching points, can be found through the following hyperlink: <https://www.naesb.org/pdf4/geh030716w6.docx> |
| **Other Business** | At the request of several participants, the white board notes captured from the February 18-19, 2016 meeting were reviewed. Ms. Tierney provided a disclaimer that the white board notes reflect her interpretation of the discussion during the meeting and were not intended to represent the consensus of the group. The corrections and clarifications to the white board document noted by some of the participants as captured by NAESB staff can be found through the following hyperlink: <https://www.naesb.org/pdf4/geh030716a1.docx>.  The participants revisited the suspended motion made by Mr. Lander, and seconded by Ms. Crockett, concerning the February 18-19, 2016 meeting notes. Mr. Lander modified his motion to adopt the February 18-19, 2016 meeting notes to adopt the notes as modified by the comments submitted by Ms. D. Davis and to identify all future meeting notes, as “staff notes,” from which comments can be submitted. Moving forward, staff notes will not be adopted by the Forum. Ms. Crockett accepted the modification. Through discussion on the motion, the participants added language to the introduction of the February 18-19, 2016 notes to clarify that the transcript is the official record of the meeting. The meeting notes, as modified, can be found through the following hyperlink: <https://www.naesb.org/pdf4/geh021816notes.docx>. |
| **Closing Remarks and Planning for Next Meeting** | The participants discussed how the information should be processed and developed in to a work paper for discussion during the next meeting. |
| **Adjourn:** | The meeting was adjourned at 12:10 pm Central on March 8, 2016. |
| **Work Papers Provided for the Meeting:** | **Meeting Related Documents:**   * Announcement and Agenda: <https://www.naesb.org/pdf4/geh021816a.docx> * Antitrust Guidance and Other Meeting Policies: <http://www.naesb.org/misc/antitrust_guidance.doc>   **Meeting Materials**   * GEH Forum Timeline Schedule of Meetings and Deliverables: <https://www.naesb.org/pdf4/geh012516w3.doc> * NAESB RSVP List as of March 4, 2016: <https://www.naesb.org/pdf4/naesb_geh_forum_rsvp_030716.pdf> * NAESB GEH Forum Distribution List as of March 5, 2016: <https://www.naesb.org/pdf4/naesb_geh_forum_distlist_2016.doc> * GEH Forum February 18-19, 2016 Draft Minutes: <https://www.naesb.org/pdf4/geh021816notes.docx> * February 18-19, 2016 Meeting Notes, Comments from D. Davis, Williams: <https://www.naesb.org/pdf4/geh030716w1.docx> * Comments from D. Nilsson, PowerCosts, Inc.: <https://www.naesb.org/pdf4/geh030716w2.pdf> * Comments Submitted by AGA on GEH Forum Mtg February 18-19, 2016: <https://www.naesb.org/pdf4/geh030716w3.pdf> * Comments Submitted by OATI: <https://www.naesb.org/pdf4/geh030716w5.pdf>   **Presentations:**   * NAESB WGQ Pipeline Segment: <https://www.naesb.org/pdf4/geh021816w1.pdf> * PJM: <https://www.naesb.org/pdf4/geh021816w2.pdf> * ACES Power: <https://www.naesb.org/pdf4/geh021816w3.pptx> * Fidelity National Information Services (FIS): <https://www.naesb.org/pdf4/geh021816w4.pptx>   + Additional Notes and Comments including Examples: <https://www.naesb.org/pdf4/geh021816w10.docx> * Skipping Stone: <https://www.naesb.org/pdf4/geh021816w5.pptx> * Environmental Defense Fund (EDF): <https://www.naesb.org/pdf4/geh021816w6.pptx> * Coalition of Energy Technology Firms: <https://www.naesb.org/pdf4/geh021816w7.pptx>   + (Zip File Due to Size): <https://www.naesb.org/pdf4/geh021816w11.zip> * OATI, Inc.: <https://www.naesb.org/pdf4/geh021816w8.pptx>   + OATI, Inc. – Addendum: <https://www.naesb.org/pdf4/geh021816w9.pdf> |

| **Attendance List – Sorted by Name** | | | | | | | |
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| **First Name** | **Last Name** | **Company** | **Quadrant** | **Segment** | **NAESB Member** | **7-Mar** | **8-Mar** |
| Karl | Almquist | Tallgrass Operations, LLC | WGQ | Pipeline | Y | Phone | Phone |
| Trevante | Bailey | Dominion Transmission, Inc. | WGQ | Pipeline | Y | In Person | In Person |
| John | Baker | Open Access Technology International, Inc. (OATI) | WEQ | End User | Y | Phone | Phone |
| Stacy | Bartoszek | NJR Energy Services Company | WGQ | Services | N | In Person | In Person |
| Sharat | Batra | Los Angeles Department of Water and Power | WEQ | Mrkt/Brk | Y | Phone | Phone |
| Wayne | Benoit | Boardwalk Pipeline Partners, LP | WGQ | Pipeline | Y | Phone | Phone |
| Susan | Bergles | American Gas Association | WGQ | LDC | Y | Phone | Phone |
| Na | Bocangel | Colorado Springs Utilities | WGQ | LDC | Y | In Person | ----- |
| Jonathan | Booe | North American Energy Standards Board | None | None | Staff | In Person | In Person |
| Paul | Borkovich | Southern California Gas Company | WGQ | LDC | Y | Phone | Phone |
| Brad | Bouillon | California Independent System Operator Corp. | WEQ | IGO | Y | In Person | In Person |
| Y.J. | Bourgeois | Anadarko Energy Services Company | WGQ | Producer | Y | In Person | In Person |
| Kelly R. | Brooks | WBI Energy Transmission, Inc. | WGQ | Pipeline | Y | Phone | Phone |
| Dan | Buckner | Alliance for Cooperative Energy Services Power Marketing LLC (ACES) | WGQ | End User | N | Phone | Phone |
| Joe | Casey | Spectra Energy Corp | WGQ | Pipeline | Y | In Person | In Person |
| Pete | Connor | American Gas Association rep | WGQ | LDC | Y | Phone | Phone |
| Chuck | Cook | Chevron Natural Gas | WGQ | Producer | Y | In Person | In Person |
| Margaret | Cordts | NorthWestern Energy | WGQ | LDC | N | Phone | Phone |
| Janet | Corritore | Tenaska Marketing Ventures | WGQ | Mrkt/Brk | N | Phone | Phone |
| Valerie | Crockett | Tennessee Valley Authority | WGQ | End User | Y | In Person | In Person |
| Dale | Davis | Williams | WGQ | Pipeline | Y | In Person | In Person |
| Rae | Davis | Dominion Carolina Gas Transmission , LLC | WGQ | Pipeline | Y | Phone | Phone |
| Jeffrey | DeAnna | NJR Energy Services Company | WGQ | Services | N | In Person | In Person |
| Katie | Ege | Great River Energy | WEQ | Generation | N | Phone | Phone |
| Sam | Ellis | Southwest Power Pool | WEQ | IGO | Y | In Person | In Person |
| Kathy | Ferreira | New Jersey Natural Gas Company | WGQ | LDC | N | Phone | Phone |
| Douglas | Field | Southern Star Central Gas Pipeline, Inc. | WGQ | Pipeline | Y | In Person | In Person |
| Brian | Fields | Calpine Energy Services, LP | WGQ | End User | Y | In Person | In Person |
| Brian J. | Fitzpatrick | PJM Interconnection, LLC | WEQ | IGO | Y | Phone | Phone |
| Tina | Gary | Portland General Electric Company | WEQ | Generation | N | Phone | Phone |
| Dennis | Gee | Pacific Gas and Electric Company (PG&E) | WGQ | LDC | Y | Phone | Phone |
| Casey | Gold | Natural Gas Supply Association (NGSA) | WGQ | Producer | N | In Person | In Person |
| Mike | Goldenberg | Federal Energy Regulatory Commission (FERC) | None | None | \*\*G | Phone | Phone |
| Wraye | Grimard | Peoples Gas System, a Division of Tampa Electric Company | WGQ | LDC | N | Phone | Phone |
| Jerry H. | Gross | Questar Pipeline Company | WGQ | Pipeline | Y | In Person | In Person |
| Tom | Gwilliam | Iroquois Gas Transmission System | WGQ | Pipeline | Y | Phone | Phone |
| Kevin | Hanson | Electric Reliability Council of Texas, Inc. (ERCOT) | WEQ | IGO | Y | Phone | Phone |
| Ann | Hartigan | Unitil Service Corporation | WGQ | LDC | Y | Phone | Phone |
| Ronnie C. | Hensley II | Southern Star Central Gas Pipeline, Inc. | WGQ | Pipeline | Y | In Person | In Person |
| Sherry | Hill | TransCanada PipeLines Limited | WGQ | Pipeline | Y | Phone | Phone |
| Roy | Hiller | Southern Company Services, Inc. | WGQ | End User | Y | Phone | Phone |
| Rachel | Hogge | Dominion Transmission, Inc. | WGQ | Pipeline | Y | In Person | In Person |
| Patricia | Jagtiani | Natural Gas Supply Association (NGSA) | WGQ | Producer | N | Phone | ----- |
| Robert | Kott | California Independent System Operator Corp. | WEQ | IGO | Y | Phone | Phone |
| Debbie | Kupczyk | National Fuel Gas Supply Corporation | WGQ | Pipeline | Y | Phone | Phone |
| Gregory | Lander | Skipping Stone, LLC - CapacityCenter | WGQ | Services | Y | In Person | In Person |
| Nancy | Leatherland | Enbridge (U.S.) Inc. | WGQ | Pipeline | Y | In Person | Phone |
| Rodney | Luck | Los Angeles Department of Water and Power | WGQ | End User | N | Phone | Phone |
| Steve | Maestas | Public Service Company of New Mexico | WEQ | Mrkt/Brk | Y | In Person | In Person |
| Steve | McCord | Columbia Gas Transmission, LLC | WGQ | Pipeline | Y | In Person | In Person |
| Missy | McNamara | Columbia Gas Transmission, LLC | WGQ | Pipeline | Y | In Person | ----- |
| Rae | McQuade | North American Energy Standards Board | None | None | Staff | In Person | In Person |
| Michelle | Mendoza | Piedmont Natural Gas | WGQ | LDC | N | Phone | Phone |
| Cary | Metz | Enable Energy Resources, LLC | WGQ | Services | Y | In Person | In Person |
| Sherri | Monteith | American Electric Power | WEQ | Generation | Y | In Person | In Person |
| Richard | Moreno | Energy Transfer Equity, L.P. | WGQ | Pipeline | N | Phone | Phone |
| Doug | Morgan | United Utility Group | WGQ | LDC | N | In Person | In Person |
| Bob | Mosemann | Anadarko Energy Services Company | WGQ | Producer | Y | Phone | Phone |
| Sylvia | Munson | FIS | WGQ | Services | Y | In Person | In Person |
| David | Nilsson | Power Costs, Inc. (PCI) | WEQ | Tech/Serv | Y | In Person | In Person |
| Mike | Novak | National Fuel Gas Distribution Corporation | WGQ | LDC | Y | In Person | In Person |
| Gene | Nowak | Kinder Morgan Inc | WGQ | Pipeline | Y | In Person | In Person |
| Norman | Pedersen | Southern California Generation Coalition (Hanna and Morton LLP) | WGQ | End User | N | Phone | Phone |
| N. Jonathan | Peress | Environmental Defense Fund, Inc. | WGQ | End User | Y | In Person | In Person |
| Sheldan | Perry | Open Access Technology International, Inc. (OATI) | WGQ | Services | Y | In Person | In Person |
| Don | Petersen | Pacific Gas and Electric Company (PG&E) | WGQ | Pipeline | N | Phone | Phone |
| Joshua | Phillips | Southwest Power Pool | WEQ | IGO | Y | In Person | In Person |
| Buffy | Pyle-Liberto | Exelon Corporation | WGQ | Services | N | Phone | Phone |
| Denise | Rager | North American Energy Standards Board | None | None | Staff | In Person | In Person |
| Deepak | Raval | NiSource Inc. | WGQ | LDC | Y | Phone | Phone |
| Sara | Rogers | ONEOK Partners GP, LLC | WGQ | Pipeline | Y | Phone | Phone |
| Michael | Russ | National Fuel Gas Supply Corporation | WGQ | Pipeline | Y | Phone | Phone |
| Steve | Salese | Direct Energy Business, LLC | WGQ | Services | Y | Phone | Phone |
| Manuel | Santos | Open Access Technology International, Inc. (OATI) | WGQ | Services | Y | In Person | In Person |
| Anita M. | Schafer | Duke Energy Corporation | WGQ | LDC | N | Phone | Phone |
| Eric | Scott | Avista Corporation in Spokan Washington | WGQ | LDC | N | Phone | Phone |
| Donnie | Sharp | City of Huntsville d/b/a Huntsville Utilities | WGQ | LDC | N | In Person | ----- |
| Jeff | Sissom | APGA/MLGW | WGQ | LDC | N | Phone | Phone |
| Ed | Skiba | MISO | WEQ | IGO | Y | In Person | In Person |
| Rick | Smead | RBN Energy LLC | WEQ | Tech/Serv | Y | In Person | In Person |
| Richard | Smith | Golden Pass Pipeline, LLC | WGQ | Pipeline | Y | In Person | ----- |
| Leigh | Spangler | Latitude Technologies, Inc. | WGQ | Services | Y | In Person | In Person |
| Joe | Sterrett | Tallgrass Operations, LLC | WGQ | Pipeline | Y | Phone | Phone |
| Will | Szubielski | Emera Energy Services, Inc. | WGQ | Services | N | Phone | ----- |
| Veronica | Thomason | North American Energy Standards Board | None | None | Staff | In Person | In Person |
| RJ | Thornbury | The Energy Authority, Inc. | WGQ | Services | N | Phone | Phone |
| Sue | Tierney | Analysis Group, Inc. | None | None | \*A | In Person | In Person |
| Michael | Tita | Federal Energy Regulatory Commission (FERC) | None | None | \*\*G | In Person | In Person |
| Kim | Van Pelt | Texas Gas Transmission | WGQ | Pipeline | N | In Person | In Person |
| Jill | Vaughan | CSR | None | None | Transcriber | In Person | In Person |
| Deborah | Waugh | Williams - Discovery | WGQ | Pipeline | N | Phone | Phone |
| David | Webster | Macquarie Energy LLC | WGQ | Services | Y | In Person | ----- |
| Vickie | Wonder | Northern Natural Gas | WGQ | Pipeline | N | Phone | Phone |
| Randy | Young | Gulf South Pipeline Company | WGQ | Pipeline | N | In Person | In Person |

\* If you did attend this meeting, either in-person or by phone, and are not listed, please alert the NAESB office and we will update this record.