

# NAESB Bulletin

March - July 2019 Volume 12, Issue 1

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## 2019 Calendar:

### August

8/6 - WEQ BPS Conf. Call  
8/6 - WEQ SRS Conf. Call  
8/7 - Joint WGQ BPS, EDM and Contracts Conf. Call  
8/7 - Board Critical Infrastructure Committee Conf. Call  
8/8 - Board Digital Committee Conf. Call  
8/14 - Board Critical Infrastructure Committee Conf. Call  
8/16 - RMQ / WEQ Executive Committee Distributed Ledger Technology Task Force Conf. Call  
8/16 - WEQ CISS Conf. Call  
8/19 - Joint WGQ EDM and Retail IR/TEIS Conf. Call  
8/20 - WEQ CSS Conf. Call  
8/20 - Board Revenue Committee Conf. Call  
8/20 - Board Parliamentary Committee Conf. Call  
8/20-22 - WEQ OASIS Meeting (Langley, BC)  
8/22-23 - Joint WGQ BPS, EDM and Contracts Meeting (Houston, TX)  
8/26 - Joint WGQ EDM and Retail IR/TEIS Conf. Call  
8/27 - WEQ BPS Conf. Call  
8/28 - NAESB Update Conf. Call  
8/29 - WEQ CSS Conf. Call  
8/29 - WEQ CISS Conf. Call  
8/30 - WEQ SRS Conf. Call

### September

9/2 - Holiday - Labor Day (NAESB Closed)  
9/3 - WEQ OASIS Conf. Call  
9/3-4 - WGQ IR/Technical Meeting (Houston, TX)  
9/4 - NAESB Leadership Meeting (Houston, TX)  
9/4 - NAESB Board Reception (Houston, TX)  
9/5 - Board of Directors Meeting - Meeting of the Members and Strategic Session (Houston, TX)  
9/10 - WEQ CSS Conf. Call  
9/11-12 - Joint WGQ BPS, EDM and Contracts Meeting (Houston, TX)  
9/17-19 - WEQ OASIS Meeting (Chattanooga, TN)  
9/24 - NAESB 101 Webinar  
9/26 - WEQ CSS Conf. Call

### October

10/3 - WEQ OASIS Conf. Call  
10/8 - WEQ CSS Conf. Call  
10/10 - WEQ SRS Conf. Call  
10/15 - WEQ Executive Committee Meeting (Richmond, VA)  
10/16 - RMQ Executive Committee Meeting (Richmond, VA)  
10/16-17 - WEQ OASIS Meeting (Richmond, VA)  
10/17 - WGQ Executive Committee Meeting (Richmond, VA)  
10/21 - WEQ OASIS Conf. Call  
10/23 - NAESB Update Conf. Call  
10/24 - Understanding the NAESB WGQ Contracts Course

***Wholesale Gas Quadrant (WGQ) Distributed Ledger Technology Standards Development:*** During its October meeting, the Wholesale Gas Quadrant (WGQ) Executive Committee will consider a recommendation for a new standard that provides a digital representation of natural gas trade events consistent with the NAESB Base Contract for Sale and Purchase of Natural Gas (NAESB Base Contract). Under Standards Request R18007, the WGQ Business Practice Subcommittee (BPS), WGQ Contracts, and WGQ Electronic Delivery Mechanisms (EDM) Subcommittees are developing the recommendation in order to capitalize on smart contracts and distributed ledger technology in the wholesale gas contracting space. To address R18007, the joint subcommittees have held several meetings to review and discuss the NAESB Base Contract, the WGQ Invoice-related standard datasets, the WGQ EDM standards, and supporting documents for the sales settlement and reconciliation process that result from the NAESB Base Contract. Early on, the joint WGQ Subcommittees Co-Chairs developed a work paper that explained that this standards development effort would be split into two parts. Part One will contain the Contracts Data Dictionary, the Contracts Code Values Dictionary, and standards implementation language to be included in the WGQ Contracts and Standards Models. Part Two will see the development of the transaction confirmation and invoice datasets. The joint WGQ Subcommittees now anticipate voting out a recommendation for Part One of the effort during its September face-to-face meeting in Houston, Texas and will continue its work on Part Two during subsequent meetings.

As previously announced, R18007 was submitted to the NAESB office last year from Tennessee Valley Authority, Big Data Energy Services, Adjoint Inc., Pariveda, American Electric Power Service, and JKM Energy & Environmental Consulting. After R18007 was jointly assigned to the WGQ BPS, WGQ Contracts, and the WGQ EDM Subcommittees, the October 24, 2018 kick off meeting was announced through a September press release. During that October meeting, the participants heard presentations on the goals of R18007 and distributed ledger technology.

*For more information, please go to [2019 WGQ Annual Plan](#), [NAESB Advisory Council Members](#), [February 10, 2018 Advisory Council Notes](#), [Standards Request R18007](#), [August 22-23, 2019 Joint WGQ Agenda](#), [Co-Chairs Work Paper](#), [September Press Release](#), [October 24, 2018 Joint WGQ Draft Meeting Minutes](#), [Presentation from R18007 Requestors](#), [Presentation from ConocoPhillips on Blockchain](#), [September 20, 2018 Blockchain Press Release](#), [October 24, 2018 Joint WGQ Final Meeting Minutes](#), [November 16, 2018 Joint WGQ Final Meeting Minutes](#), [January 17, 2019 Joint WGQ Final Meeting Minutes](#), [February 13, 2019 Joint WGQ Final Meeting Minutes](#), [April 3, 2019 Joint WGQ Final Meeting Minutes](#), [April 15, 2019 Joint WGQ Final Meeting Minutes](#), [June 19, 2019 Joint WGQ Final Minutes](#), [July 12, 2019 Joint WGQ Final Minutes](#), [August 7, 2019 Joint WGQ Agenda](#), [August 22-23, 2019 Joint WGQ Agenda](#), [December 13, 2018 Board of Directors Meeting Announcement](#), and [March 26-28, 2019 Executive Committees Agenda](#).*



***2020 Annual Planning Process:*** The 2020 annual planning process has begun with the announcement of a set of calls to take place on October 2, 2019. A request for comments on the annual plans will conclude on Friday, September 20, 2019. The conference calls are open to all NAESB members and other interested industry participants. During the calls, the participants have the opportunity to propose and discuss items that should be included on the 2020 annual plans for the wholesale electric, wholesale gas, and retail market quadrants. The drafts of the 2020 annual plans will be considered by each of the quadrant Executive Committees during their October meetings in Richmond, Virginia. All annual plans, as adopted by the Executive Committees, will be considered by the Board of Directors during its December meeting.

*For more information, please go to [2019 WEQ Annual Plan](#), [2019 WGQ Annual Plan](#), and [2019 RMQ Annual Plan](#).*

Click on any underlined text and you can access more detailed reports.

## STANDARDS DEVELOPMENT

**Parallel Flow Visualization-Transmission Loading Relief (TLR):** On July 23, 2019, NAESB submitted the latest in a series of Parallel Flow Visualization (PFV) status reports to the Federal Energy Regulatory Commission (FERC). Drafted by NAESB in coordination with EIDSN, Inc. and NERC, the July report was filed in Docket No. EL14-82 and included information concerning the completion of the PFV field trial by EIDSN, Inc. The status report also outlined a timeline for the completion of PFV-related standards development, and a plan for the remaining coordination efforts between NAESB, EIDSN, Inc., and NERC. NAESB will file a final report with the Commission following the conclusion of the PFV standards development effort.

On October 15, 2019, the NAESB WEQ Executive Committee will meet to review the *EIDSN, Inc. Parallel Flow Visualization Metrics Report 2019* and discuss the actions of EIDSN, Inc. and NERC related to the reliability assessment of the PFV field trial. The WEQ Executive Committee will also provide any needed direction to the WEQ Business Practice Subcommittee (BPS) regarding the completion of the PFV standards development effort. Regardless of whether further modifications to the standards are made, the NAESB WEQ Executive Committee must hold a super majority vote approving the PFV recommendation before the standards can be submitted to the NAESB membership for ratification. If ratified, the standards will be incorporated into the next version of the NAESB WEQ Business Practice Standards and filed with the Commission.

While the PFV field trial focused on an analysis of the modifications to the IDC tool, an evaluation of the accuracy of the proposed PFV enhanced congestion management process was also undertaken. Additionally, EIDSN, Inc. assessed the data integrity, measured the ability of the process to account for real-time flow on flowgates, and compared the total impacts calculated by the current IDC tool methodology with those calculated under the proposed process.

As explained in the July filing, NAESB was provided with the EIDSN, Inc. *Parallel Flow Visualization Metrics Report 2019* this June. The report concludes that the PFV enhanced congestion management process provides improved accuracy, enhanced analysis of flowgate impacts, and a more accurate assignment of relief obligations. Overall, the report indicates that the PFV enhanced congestion management process represents “a considerable improvement over the current IDC” tool methodology and that the process is operating as designed and supported by the standards.

Looking ahead, NAESB staff has coordinated with the leadership of EIDSN, Inc., NERC staff, and the leadership of the NERC Operating Reliability Subcommittee (ORS) regarding the timeline for the completion of the NAESB PFV standards development effort. Both the NAESB Wholesale Electric Quadrant (WEQ) Business Practices Subcommittee (BPS) and the NERC ORS, will review the report and determine whether commercial or reliability issues need to be resolved through additional revisions to the standards. After that determination, the NAESB WEQ BPS will modify the standards, if necessary.

For more information, please go to [2019 WEQ Annual Plan](#), [July 23, 2019 PFV Status Report to FERC](#), [EIDSN Inc. Parallel Flow Visualization Metrics Report 2019](#), [July 9, 2019 WEQ BPS Agenda](#),

[August 6, 2019 WEQ BPS Agenda](#), [November 1, 2018 NAESB PFV Status Report to FERC](#), [October 2, 2017 PFV Status Report to FERC](#), [October 17, 2016 PFV Status Report to FERC](#), [January 29, 2016 PFV Status Report to FERC](#), [March 25, 2015 PFV Status Report to FERC](#), [January 28, 2015 PFV Status Report to FERC](#), [July 11, 2014 PFV Status Report to FERC](#), [Recommendation approved by the NAESB WEQ Executive Committee on February 24, 2015 to Initiate the Full Staffing Process \(Redline\)](#), and [February 24, 2015 WEQ Executive Committee Meeting Notes](#).



**NAESB Electric Industry Registry:** The NAESB EIR serves as the central repository for information utilized by the electric industry. In 2012, the NAESB EIR replaced the NERC Transmission System Information Networks (TSIN) as the industry registry tool.

On September 4, the NAESB EIR will release an update to implement modifications consistent with EIR Enhancement Request ER18001, submitted by Southwest Power Pool. The registration renewal period will be expanded to sixty total days through the addition of a thirty-day advanced renewal period. The advanced renewal period will begin thirty days from the end date of an entity’s current registry subscription. For example, if an entity has a subscription period from January 1, 2019 to December 31, 2019, the advanced renewal period will begin on December 1, 2019 and conclude on December 31, 2019. Entity administrators will receive an email notice regarding the start of the advanced renewal period, and during this time, user access to the registry will be unaffected. Consistent with how the registry operates today, following the close of the advanced renewal period, only an entity administrator will be able to access the registry until the subscription is renewed.

This July, another NAESB EIR update enabled users to indicate whether a pseudo-tie is intended to serve load or generation. Once the data object is modified to include a generation, load, or null value, the chosen value is displayed both in the pseudo-tie’s information and the pseudo-tie summary display. The July update was undertaken in response to Enhancement Request ER18002, submitted by Southwest Power Pool. Additionally, another update was applied to the NAESB EIR back in April to prevent concurrent modifications to data objects within the registry that could cause data to be corrupted.

As the industry is bracing for the retirement of Peak Reliability, the reliability coordinator for the Western Interconnection, NAESB has been working behind the scenes to ensure a smooth transition. NAESB staff has been coordinating with Peak Reliability, NERC, and the five entities assuming reliability coordinator responsibilities to ensure the necessary registration in the NAESB EIR is completed prior to the transition.

For more information, please go to [2019 WEQ Annual Plan](#), [EIR Page](#), [WEQ EIR Enhancement Requests Page](#), [EIR Enhancement Request Process](#), [ER18002](#), [October 29, 2018 WEQ CISS Final Minutes](#), [ER18002 Recommendation](#), [June 19, 2019 – EIR Enhancement Request ER18002 Implementation](#), [April 29, 2019 EIR Update Announcement](#), [August 1, 2018 – EIR Enhancement Request ER18002 Announcement](#), [June 6, 2018 – EIR Enhancement Request ER18001 Announcement](#), [ER18001](#), and [August 1, 2018 EIR Enhancement Request ER18002 Announcement](#).

STANDARDS DEVELOPMENT *(continued)*

**NAESB ESPI and Green Button:** Serving as the critical foundation of the Green Button, the NAESB REQ.21 Energy Services Provider Interface (ESPI) provides an interface enabling retail customer authorization for the exchange of energy usage information from data custodians to third parties. Launched in 2012, the Green Button Initiative has led to over 150 utilities and service providers committing to providing more than 60 million U.S. households, altogether 100 million people, with access to their Green Button energy data.

On April 8, 2019, the NAESB RMQ membership ratified updates to the NAESB ESPI. Approved by the Retail Markets Quadrant (RMQ) during its March 6, 2019 single topic conference call, the recommendation was unanimously voted out of the ESPI Task Force on February 13, 2019 and subsequently posted for an abbreviated fifteen-day formal industry comment period which ended on February 28, 2019. Four comments were submitted in response to the revised recommendation, including two comments from SSL.com, one comment from FLUX Tailor, and one comment from the Green Button Alliance. The modifications in the revised recommendation better reflect existing gas, electric, and water implementations and help support increased interoperability.

Last year, the RMQ Executive Committee remanded an earlier version of the ESPI recommendation back to the ESPI Task Force due to a substantial set of comments received from the Green Button Alliance and a request for more time to complete the modifications. Additionally, the RMQ Executive Committee shortened the formal industry comment period for the revised recommendation from thirty days to the aforementioned fifteen days. The ESPI Task Force held a conference call on December 17, 2019 to modify and vote out the revised recommendation. Upon ratification, the updated ESPI Model Business Practices were made available as a final action that will be included in the next RMQ publication.

On April 29, 2019, the Ontario Ministry of Energy, submitted minor correction MC19008 to add mistakenly omitted text to one standard and correct section reference numbers. Per the NAESB Minor Correction Process, an Executive Committee notational ballot period for MC19008 began on April 30, 2019 and was approved on May 6, 2019. After receiving Executive Committee approval, MC19008 was posted for a two-week industry comment period that concluded on May 20, 2019. As no adverse comments were received that required attention from the Executive Committee, MC19008 was incorporated into the ESPI final action on June 5, 2019.

Another Minor Correction, MC19009, was submitted by the Green Button Alliance on May 21, 2019. The minor correction proposes to correct a typographical error and allow for versioning of the two schemas contained in the ESPI Model Business Practices. An Executive Committee notational ballot period for MC19009 began on June 18, 2019, and concluded on June 25, 2019. After the July 9, 2019 conclusion of the two-week industry comment period, the minor correction was incorporated into the ESPI final action on July 25, 2019.

Later this year, the ESPI Task Force will schedule conference calls to address Standards Request R19010. That request was submitted by the Green Button Alliance and asks that NAESB add several schema attributes to retail customer resources. On August 19, 2019, the Triage Subcommittee disposition was approved, finding that the request is within the scope of NAESB, will be assigned to the RMQ, and to the ESPI Task Force.

*For more information, please go to [2019 RMQ Annual Plan](#), [R13001](#), [Ratified Recommendation for R13001](#), [Attachment 1 for R13001](#), [Attachment 2 for R13001](#), [February 13, 2019 ESPI Draft Minutes](#), [Request for Comments on R13001](#), [Comments Submitted by FLUX Tailor](#), [Comments Submitted by SSL.com](#), [Attachment to Comments Submitted by SSL.com](#), [Comments Submitted by Green Button Alliance](#), [February 13, 2019 ESPI Task Force Meeting Notes](#), [March 6, 2019 RMQ Executive Committee Meeting Announcement and Agenda](#), [October 10, 2018 RMQ Executive Committee Meeting Notes](#), [Ratification Ballot for R13001](#), [Ratification Tally for R13001](#), [MC19009](#), [MC19009 Notational Ballot](#), [MC19008](#), [Attachment to MC19008](#), [MC19008 Notational Ballot Results](#), [March 6, 2019 RMQ Executive Committee Draft Minutes](#), [Standards Request R19010](#), and [R19010 Triage Agenda](#).*



**Cybersecurity:** In the wholesale gas space, the WGQ Electronic Delivery Mechanisms (EDM) Subcommittee will undertake its annual review of Appendices B, C, and D of the Quadrant Electronic Delivery Mechanism (QEDM) Related Standards Manual, and make change as appropriate. With a completion date within 2019, this effort will delve into the minimum technical characteristics and guidelines for the developers and users of Customer Activities and Information Postings Websites as well as the minimum technical characteristics for EDM Communications. The subcommittee anticipates discussions regarding Secure Socket Layer (SSL) and Transport Layer Security (TLS) protocols, operating systems, the use of ports, and other topics.

In the last months of 2019, the WEQ CSS will conduct its annual reviews, 2019 WEQ Annual Plan Items 4.a and 4.b, which call for the subcommittee to monitor FERC activities, NERC CIP Standards, and other industry cybersecurity developments. As part of this effort, the WEQ CSS also maintains and updates the NAESB WEQ-012 PKI Business Practice Standards and the NAESB Accreditation Requirements for Authorized Certification Authorities. The WEQ CSS conference calls are open to any interested industry parties.

*For more information, please go to [2019 WEQ Annual Plan](#), [Addendum Report - Threat-based Examination of NAESB Standards and Business Operations](#), [Assessment Report of the NAESB Business Operations Practices and Standards](#), [Assessment Report of the NAESB OASIS Standards](#), [Assessment Report of the NAESB PKI Program](#), [Chairs' Work Paper – PKI Report Revised 8/7/19](#), [Chairs' Work Paper – OASIS Report Revised 8/7/19](#), [Chairs' Work Paper – Business Operations Practices and Standards Report Revised 8/7/19](#), [Chairs' Work Paper – Addendum Report Revised 8/7/19](#), [August 7, 2019 Board CIC Agenda](#), [August 14 Board CIC Agenda](#), [August 20, 2019 WEQ CSS Agenda](#), [Board Certification Committee Authorized Certification Authority Process](#), [NAESB Accreditation Requirements for Authorized Certification Authorities](#), [WEQ-012 Public Key Infrastructure Business Practice Standards](#), and [WGQ QEDM Related Standards Manual](#).*

**WEQ Open Access Same-time Information Systems (OASIS) Subcommittee:** On May 16, 2019, FERC issued a Notice of Proposed Rulemaking (NOPR) proposing to incorporate by reference, with certain exceptions, Version 003.2 of the NAESB WEQ Business Practice Standards. NAESB submitted Version 003.2 in Docket No. RM-05-000 on December 8, 2017.

During its October 15, 2019 meeting, the WEQ Executive Committee will consider the no action recommendation developed by the WEQ OASIS Subcommittee under 2019 WEQ Annual Plan Item 3.d. That annual plan item called for the subcommittee to evaluate the need for new OASIS Business Practice Standards to allow documentation for coordination of partial path reservations to demonstrate the complete path associated with long-term firm interchange. The recommendation, which concludes that there is no business purpose to modify the WEQ Business Practice Standards, was posted for a thirty-day formal comment period that concluded on May 20, 2019 with no comments received.

On April 29, 2019, the WEQ membership ratified the WEQ OASIS Subcommittee recommendation for 2019 WEQ Annual Plan Item 3.b and 3.f/R18009. The resulting standards add a new dynamic notification for rollover rights renewal deadlines and modify the Dynamic Notification standards to provide for the removal of HTTP notifications. The recommendation was posted for a thirty-day formal comment period that concluded on December 28, 2018 and was approved by the WEQ Executive Committee on March 26, 2019.

Also, on April 29, 2019, the NAESB membership ratified standards in response to 2019 WEQ Annual Plan Item 3.g/R18010. The recommendation addresses regional variations on the usage of 0-NX transmission product codes. Ultimately, the WEQ OASIS Subcommittee opted to remove the hard linkage of the 0-NX transmission product code to the Next Hour Marketing Business Practice Standards. The recommendation was posted for a thirty-day formal comment period that concluded on March 20, 2019, the WEQ Executive Committee approved the recommendation on March 26, 2019.

As we speed through 2019, the WEQ OASIS Subcommittee will continue to hold meetings to address the items that remain on the 2019 WEQ Annual Plan. These annual plan items include updates to the Network Integration Transmission Service (NITS) related standards based on implementation (2019 WEQ Annual Plan Item 3.c) and the development of standards and template structures to define the eligibility and treatment of rollover rights for NITS (2019 WEQ Annual Plan Item 3.e).

Through joint meetings and conference calls, the WEQ OASIS Subcommittee and the WEQ BPS have continued to develop a recommendation under 2019 Annual Plan Item 2.a in response to Paragraph 1627 of FERC Order No. 890 – the final recommendation addressing that FERC Order. This effort concerns the posting of additional information on OASIS regarding firm transmission curtailments and will likely require the posting of additional data produced by tools the industry uses to support congestion management processes. To date, the subcommittees have held sixteen calls to develop a draft recommendation that includes modifications to WEQ-000, WEQ-002, WEQ-003, and WEQ-013. The completion date of this standards development effort has been extended by the WEQ Executive Committee to 2020 to allow for necessary coordination with other entities regarding data availability. The next WEQ OASIS Subcommittee meeting will be hosted by BC Hydro in Langley, BC on August 20-22, 2019. That meeting will be followed by a conference call with webcasting on September 3, 2019.

For more information, please go to [2019 WEQ Annual Plan](#), [FERC Order No. 890](#), [May 16, 2019 FERC NOPR](#), [March 26, 2019 WEQ Executive Committee Agenda](#),

[December 8, 2017 NAESB Filing to FERC on Version 003.2, Addendum Report - Threat-based Examination of NAESB Standards and Business Operations](#), [Assessment Report of the NAESB Business Operations Practices and Standards](#), [Assessment Report of the NAESB OASIS Standards](#), [Assessment Report of the NAESB PKI Program](#), [Chairs' Work Paper – PKI Report Revised 8/7/19](#), [Chairs' Work Paper – OASIS Report Revised 8/7/19](#), [Chairs' Work Paper – Business Operations Practices and Standards Report Revised 8/7/19](#), [Chairs' Work Paper – Addendum Report Revised 8/7/19](#), [August 7, 2019 Board CIC Agenda](#), [August 14 Board CIC Agenda](#), [Recommendation for 2019 WEQ Annual Plan Item 3.d](#), [Request for Comments on 2019 WEQ Annual Plan Item 3.d](#), [Recommendation for 2019 Annual Plan Items 3.b and 3.f](#), [Request for Comments on 2019 WEQ Annual Plan Items 3.b and 3.f](#), [Comments Submitted by WAPA](#), [Comments Submitted by IRC Standards Review Committee](#), [Comments Submitted by BPA](#), [Late Comments Submitted by OASIS in Response to BPA](#), [Late Comments Submitted by OASIS in Response to IRC](#), [Late Comments Submitted by OASIS with Late Comments Redlined](#), [Late Comments Submitted by WEQ SRS](#), [Ratification Ballot for 2019 WEQ Annual Plan Item 3.b and 3.f](#), [Ratification Tally for 2019 WEQ Annual Plan Item 3.b and 3.f](#), [Recommendation for 2019 WEQ Annual Plan Item 3.g](#), [Comments Submitted by WAPA](#), [Comments Submitted by WEQ SRS](#), [Comments Submitted by BC Hydro](#), [Comments Submitted by Southern Company](#), [Ratification Ballot for 2019 WEQ Annual Plan Item 3.g](#), [Ratification Tally for 2019 WEQ Annual Plan Item 3.g](#), [Request for Informal Comments on Draft Recommendation for 2019 WEQ Annual Plan Item 2.a](#), [Informal Comments Submitted by MISO](#), [Informal Comments Submitted by BPA](#), [Informal Comments Submitted by Southern Company](#), and [August 20-22, 2019 WEQ OASIS Subcommittee Agenda](#).

**NAESB Quadrant Membership Analysis:**

Wholesale Gas Quadrant	119
Retail Markets Quadrant	41
Wholesale Electric Quadrant	135
<b>Total Membership</b>	<b>295</b>

**NAESB New Members**

**Retail Markets Quadrant  
(Retail Electric Service Providers/Suppliers)**

Schweitzer Engineering Laboratories  
Znalytics, LLC

**Wholesale Gas Quadrant  
(Services)**

JP Morgan Chase Bank, NA

***NAESB and NERC Continuing Coordination:*** NERC and NAESB continue to collaborate to ensure coordination on wholesale electric industry priorities. With the release of the 2020-2022 NERC Reliability Standards Development Plan (NERC RSDP), the WEQ Standards Review Subcommittee (SRS) is preparing for its annual review taking place during its August 30, 2019 conference call. During that meeting, the WEQ SRS will discuss the NERC RSDP and the NAESB 2019 WEQ Annual Plan and highlight any projects and items that are, or may become, related efforts.

Recently, NAESB received two standards development requests from NERC, R19007 and R19008, asking NAESB to evaluate whether action should be taken in response to the approval of the Standards Efficiency Review retirements by the NERC Board of Trustees. In 2017, NERC began the Standards Efficiency Review with the goal of determining possible efficiencies through the retirement of reliability standard requirements. Phase 1 of the project proposed the retirement of seventy-seven requirements and one requirement part, as well as the withdrawal of six requirements. In the interest of continued coordination, both R19007 and R19008 specifically ask that NAESB review the retirements impacting the NERC Modeling, Data, and Analysis (MOD) Reliability Standards and the NERC Interchange Scheduling and Coordination (INT) Reliability Standards to determine whether commercial business practices should be drafted. The WEQ SRS has previously identified the MOD and INT retirements as potentially having an impact on corresponding WEQ Business Practice Standards.

In response to R19007, the WEQ Business Practices Subcommittee (BPS) held a kick-off conference call on June 11. The subcommittee has developed a draft recommendation proposing modifications to the NAESB WEQ-023 Modeling Business Practice Standards. Those changes incorporate several requirements formerly found in the withdrawn NERC MOD-001-2 Reliability Standard. The draft recommendation is the subject of an informal comment period ending on August 21. The WEQ BPS will hold a conference call on September 6 to review any submitted informal comments and potentially vote out a recommendation for a thirty-day formal comment period.

On August 16, the WEQ Coordinate Interchange Scheduling Subcommittee (CISS) voted out a recommendation in response to Standards Request R19008 for a thirty-day comment period. As stated above, R19008 proposed that NAESB review the NERC INT Reliability Standards proposed for retirement and determine whether NAESB should undertake any standards development efforts in response. The subcommittee began to discuss R19008 during its May conference call and has held four conference calls since that time to develop a draft recommendation. The thirty-day comment period for the recommendation began on August 19, 2019 and concludes on September 18, 2019.

On June 7, 2019, NERC filed a petition, a notice, and comments to the Commission, all related to Phase 1 of the Standards Efficiency Review. Incidentally, NERC did not propose to make the approval or implementation of any of the NERC proposals contingent on action by NAESB. Now in Phase 2, the NERC project will begin to consider further recommendations for reliability standard modifications and concepts that improve standards efficiency.

In July, the NERC Standards Committee rejected a request from Powerex to provide an interpretation of the NERC INT-006-4 Reliability Standards. The request was rejected on the grounds that the meaning of the reliability standard is clear and evident. Looking back, Powerex first submitted R18011 to NAESB in September of last year, as the NAESB WEQ-004 Coordinate Interchange Business Practice Standards are complementary to the NERC INT Reliability Standards. That request was triaged to the WEQ CISS and, as part of the recommendation, there were changes made to the WEQ-004 Appendix D Timing Tables to provide clarification regarding the commercial timing tables for e-Tagging. This March, the WEQ Executive Committee remanded the recommendation back to the WEQ CISS in order to allow the requester, Powerex, time to seek clarification from NERC on the timing tables as included in the NERC INT-006-4 Reliability Standards. Upon hearing of the rejection of the request for interpretation, the WEQ CISS met on August 16, 2019 to vote out a recommendation for R18011. The recommendation is now posted for a thirty-day formal comment period that will conclude on September 18, 2019.

NAESB staff is also coordinating with EIDSN, Inc. and the California Independent System Operator regarding the WEQ BPS and OASIS Subcommittee joint efforts to address 2019 WEQ Annual Plan Item 2.a. This annual plan item addresses a directive from FERC Order No. 890 requiring the posting to OASIS of additional information regarding the curtailment of firm transmission. This information is generated by the IDC tool in the Eastern Interconnection, which is managed by EIDSN, Inc. and the ECC tool in the Western Interconnection, which is being transitioned to California Independent System Operator management later this year.

Due to the upcoming retirement of Peak Reliability as the reliability coordinator in the Western Interconnection, NAESB is working with the entities that will assume reliability coordinator responsibilities to ensure the necessary registration in the NAESB EIR is completed prior to the transition.

*For more information, please go to [2019 WEQ Annual Plan](#), [R19007](#), [June 11, 2019 WEQ BPS Agenda](#), [July 9, 2019 WEQ BPS Agenda](#), [Draft Recommendation for R19007](#), [Request for Informal Comments on Draft Recommendation for R19007](#), [R19008](#), [August 16, 2019 WEQ CISS Agenda](#), [May 30, 2019 WEQ CISS Draft Minutes](#), [June 19, 2019 WEQ CISS Draft Minutes](#), [July 8, 2019 WEQ CISS Agenda](#), [July 29, 2019 WEQ CISS Agenda](#), [Revised R19008 Draft Recommendation](#), [R18011](#), and [March 26, 2019 WEQ Executive Committee Agenda](#).*

**Sandia National Laboratories:** On July 22, 2019, Sandia National Laboratories (Sandia) provided the final Surety Assessment Reports to NAESB. The reports contain twelve recommendations to mitigate security issues as well as twenty-two additional findings and considerations for NAESB to consider. In total, the findings have been divided into four reports: *Addendum Report - Threat-based Examination of NAESB Standards and Business Operations*, *Assessment Report of the NAESB Business Operations Practices and Standards*, *Assessment Report of the NAESB OASIS Standards*, *Assessment Report of the NAESB PKI Program*.

During its August 7 and August 14 conference calls, the Board Critical Infrastructure Committee (CIC) reviewed the recommendations included in the report from Sandia and provided direction to the NAESB RMQ, WEQ, and WGQ Subcommittees that will undertake standards development in response to those recommendations. In anticipation of the completion of the report last year, an item was added to the 2019 Annual Plan of each quadrant that calls for the development of any needed standards in response to the Surety Assessment. This action was taken in response to the Department of Energy's request that NAESB expedite any standards development in response to the report and has allowed the various subcommittees to initiate their work immediately after the submission of the report.

Within the WEQ, the standard development efforts have been assigned to the WEQ Cybersecurity Subcommittee (CSS) and the WEQ OASIS Subcommittee, with several items jointly assigned to both subcommittees. The WEQ CSS held its first meetings to begin addressing its assigned standard development efforts on August 20 and August 29 and has scheduled additional meetings for September 10, September 26, and October 8. This effort could result in modifications, where necessary, to the WEQ-012 Public Key Infrastructure (PKI) Business Practice Standards, the NAESB Accreditation Requirements for Authorized Certification Authorities, or other NAESB WEQ Business Practice Standards to respond to the security issues and other additional findings and considerations identified by Sandia. The WEQ OASIS Subcommittee kicked-off discussion on its assigned standard development efforts during its August 20-22 face-to-face meeting and will continue to discuss these items during meetings scheduled for September 3, September 17-19, October 3, October 15-17, and October 21. The subcommittee will be evaluating potential modifications to WEQ-001 OASIS Business Practice Standards, WEQ-002 OASIS Standards and Communication Protocols, WEQ-003 OASIS Data Dictionary, and WEQ-013 OASIS Implementation Guide as needed to address the security issues and additional findings contained in the reports from Sandia. The WEQ Cybersecurity Subcommittee and WEQ OASIS Subcommittee will be working together, through the scheduling of joint meetings, to address the items that have been assigned to both subcommittees.

For the WGQ and RMQ, all standard development efforts have been jointly assigned to the WGQ Electronic Delivery Mechanism (EDM) Subcommittee and the RMQ Information Requirements and Technical Electronic Implementation Subcommittee (IR/TEIS). The subcommittees held their first two joint meetings on August 19 and August 26 to review the assigned efforts. Follow-up meetings will be held on September 9, September 23, and October 9. Any recommendation(s) from the joint subcommittees will likely propose modifications, where necessary, to the WGQ EDM Business Practice Standards, the

RMQ EDM Model Business Practices, the WGQ Internet Electronic Transport (IET) Business Practice Standards, and the RMQ IET Model Business Practices to respond to the security issues and additional findings and considerations identified by Sandia.

As previously reported, NAESB announced that Sandia would be performing a surety assessment on the NAESB Business Practice Standards sponsored by the Department of Energy in April of 2017. At the request of the Chairman of the Board of Directors, the Board CIC, chaired by Cade Burks and Dave Darnell, was reconvened that same year to oversee the activities regarding the report. The Board CIC worked closely with Sandia throughout this process – providing feedback on five draft iterations of the report. In anticipation of the completion of the report, an item was added to the 2019 Annual Plan of each quadrant that calls for the development of any needed standards in response to the Surety Assessment. This is the third surety assessment sponsored by the Department of Energy, with previous assessments resulting in recommendations that led to modifications to the NAESB Business Practice Standards.

*For more information, please go to [2019 WEQ Annual Plan](#), [2019 WGO Annual Plan](#), [2019 RMO Annual Plan](#), [Board CIC Members Roster](#), [August 7, 2019, Board CIC Agenda](#), [August 14, 2019 Board CIC Agenda](#), [Addendum Report - Threat-based Examination of NAESB Standards and Business Operations](#), [Assessment Report of the NAESB Business Operations Practices and Standards](#), [Assessment Report of the NAESB OASIS Standards](#), [Assessment Report of the NAESB PKI Program](#), [Chairs' Work Paper – PKI Report Revised 8/7/19](#), [Chairs' Work Paper – OASIS Report Revised 8/7/19](#), [Chairs' Work Paper – Business Operations Practices and Standards Report Revised 8/7/19](#), [Chairs' Work Paper – Addendum Report Revised 8/7/19](#), [Initial Draft Sandia Surety Assessment Report](#), [February 2018 Board CIC Feedback to Sandia](#), [May 2018 Draft Sandia Surety Assessment Report](#), [July 2018 Board CIC Draft Feedback to Sandia](#), [January 2019 Surety Assessment Cover Letter](#), [January 2019 Public Key Infrastructure Report](#), [January 2019 OASIS Report](#), [January 2019 Addendum Report](#), and [February 6, 2019 Draft Board CIC Comments on Draft Sandia Report](#).*

**Non-member Access/Participation:** For our participants who are non-members, from the NAESB Home Page you can access one of the four quadrant squares – wholesale electric, retail electric, wholesale gas and retail gas, you are directed to the “[NAESB Non-member Access: NAESB Committees, Subcommittees and Task Forces](#)” web page.

*For more information, please go to [NAESB Current Committee Activities](#) or contact Denise Rager ([drager@naesb.org](mailto:drager@naesb.org)) for additional information.*

**NAESB Board Committees Update:** The next NAESB Board of Directors meeting will be held in Houston, Texas on September 5, 2019. During the meeting, the board will receive updates on board committees and subcommittees, review the proposed annual plans, and address other agenda items. The locations and speakers will be announced closer to the event.

To make ready for the September board meeting, several board committees are holding conference calls in August. One such committee is the Board Digital Committee established by the Chair of the NAESB Board of Directors, Michael Desselle, during the April board meeting. Chaired by Cade Burks of Big Data Energy and Michael Desselle of Southwest Power Pool, the committee is tasked with: (1) annually surveying the energy markets to identify new digital technologies being deployed by market participants, (2) appraising whether standardization in support of the new digital technologies would be beneficial to the industry, and (3) submitting any recommendations concerning potential standards development to the organization for consideration.

On July 27, 2019, the Board Digital Committee circulated a survey to its participants, due back on August 5, 2019. Through the three conference calls held May 14, June 26, and July 23, the committee identified eleven areas for consideration and further exploration through the development of a report to be sent to the board. Further, the committee has grouped the eleven identified areas by their relationship to digitalization or digital technology as being: (1) an area enabled by digitalization or digital technology, (2) an area impacted by digitalization or digital technology, or (3) an area that impacts digitalization or digital technology. The purpose of the survey was to solicit information and comments related to the eleven areas and to determine whether additional areas should be evaluated by the committee in the report. On August 8, the committee reviewed and analyzed the feedback and determined that it would revise the survey to be sent to the Board of Directors, the Advisory Council, and possibly a wider audience of industry participants. The Board Digital Committee anticipates presenting a final report, including an analysis of the surveys, during the December Board of Directors meeting.

The Board Revenue Committee last met on June 11 and has scheduled another meeting for August 20 to discuss NAESB communications activities, and to review the proposed publication cycle of the NAESB standards, the current financials, and the membership report. Additionally, the committee will review the status of the distributed ledger technology projects and the Board of Directors and Executive Committee vacancies, along with the membership prospect list.

Also, on August 20, the Parliamentary Committee will hold a meeting to continue its review of each of the NAESB Governing Documents: NAESB Certificate of Incorporation, the NAESB Bylaws, and the NAESB Operating Practices. The goal of this analysis is to ensure that each of the documents are consistent with Delaware General Corporation Law, the other NAESB governance documents, and the original intent of the provisions. During the meeting, the Parliamentary Committee will focus on any board resolutions or undocumented practices that may need to be incorporated into the NAESB Bylaws.

As detailed in the Sandia National Laboratories section above, Sandia has submitted its final Surety Assessment Reports to NAESB, the Board Critical Infrastructure Committee held a meeting on August 14 to discuss the timeline and assignments of proposed standards development activities to the subcommittees.

*For more information, please go to [2019 WEQ Annual Plan](#), [2019 RMQ Annual Plan](#), [2019 WGO Annual Plan](#), [Board Digital Committee Page](#), [Board Digital Committee – Named Board Members](#), [Board Digital Committee Initial Survey and Results](#), [May 14, 2019 Board Digital Committee Meeting Notes](#), [June 26, 2019 Board Digital Committee Meeting Notes](#), [July 23, 2019 Board Digital Committee Announcement and Agenda](#), [August 8, 2019 Board Digital Committee Announcement and Agenda](#), [Board Revenue Committee Page](#), [Board Revenue Committee – Named Members](#), [June 11, 2019 Board Revenue Agenda](#), [Parliamentary Committee Page](#), [Parliamentary Committee Roster](#), [NAESB Certificate of Incorporation](#), [NAESB Bylaws](#), [NAESB Operating Procedures](#), [June 11, 2019 NAESB 2.0 Bylaws Workpaper](#), [Managing Committee Page](#), [August 20, 2019 Managing Committee Agenda](#), [February 6, 2019 Board CIC Meeting Notes](#), [Board CIC Page](#), [Addendum Report - Threat-based Examination of NAESB Standards and Business Operations](#), [Assessment Report of the NAESB Business Operations Practices and Standards](#), [Assessment Report of the NAESB OASIS Standards](#), [Assessment Report of the NAESB PKI Program](#), and [August 14, 2019 Board Critical Infrastructure Agenda](#).*



**Upcoming NAESB Webcourses:** On September 24, NAESB staff will host a free one-hour *NAESB 101 Webinar*. This course introduces attendees to NAESB and explains how our work supports the efforts of the markets. While providing basic information about the organization and the standards development process, the webinar will also cover the organization’s relationship with government agencies and other external bodies. Additionally, we will review the existing body of NAESB standards, and discuss how membership or participation within NAESB may be beneficial to your organization.

On October 24, 2019, NAESB will offer *Understanding the NAESB WGQ Contracts Webcast Course*. During this course, participants will review the NAESB Base Contract for the Sale and Purchase of Natural Gas, the Canadian and Mexican Addendums, the Trading Partner Agreement (Electronic Data Interchange (EDI) Overview, Provisions, and Exhibit), and be provided with a brief overview of each of the other six NAESB WGQ contracts. Through this course, attendees will receive a detailed understanding of the components of the contracts and supporting documentation as well as how they are utilized in the industry today.

*For more information, please go to [NAESB Primers and Training Courses Page](#).*

**Filings:** On May 16, 2019, FERC issued a Notice of Proposed Rulemaking (NOPR), *Standards for Business Practices and Communication Protocols for Public Utilities*, proposing to incorporate by reference Version 003.2 of the NAESB WEQ Business Practice Standards, with certain exceptions, into the FERC Regulations. That same day, an Errata to the FERC NOPR was also issued by the Commission in Docket No. RM05-5-027. NAESB submitted Version 003.2 on December 8, 2017 in Docket No. RM-05-000. Contained in Version 003.2 are standards to: support market operator functionalities, maintain consistency with the NERC Reliability Standards, define the short-term preemption process, and address the merger of like transmission reservations, as well as other commercial business practices. As discussed in the OASIS section of this bulletin, the Commission provided guidance regarding its policy on requests for redirects. Moreover, the FERC noted that the WEQ-023 Modeling and the WEQ-006 Manual Time Error Correction Business Practice Standards would be addressed in separate proceedings.

On October 26, 2015, NAESB filed Version 003.1 with the Commission. Although the Commission issued the July 21, 2016 NOPR for Version 003.1, no final action was issued. As Version 003.2 includes the Version 003.1 business practice standards and incorporates action items from October 1, 2015 through December 8, 2017, with the addition of certain revisions and corrections, the FERC concluded that no action on Version 003.1 was necessary.

On June 5, 2019, NAESB submitted a status update in Docket No. RM05-5-027 informing the Commission of potential revisions to three of the standards that the May 16, 2019 NOPR proposed to incorporate by reference. Those standards were: Minor Correction MC19011 (WEQ-003-0); Standards Request R19007 (WEQ-001-13.1.5); and Standards Request R19008 (WEQ-004-1.7). Additionally, the comments provided clarifying information on several WEQ-001 standards that were marked as reserved by NAESB and were proposed for incorporation by reference in the NOPR.

On July 23, 2019, NAESB submitted a follow up status report to the June 5 report in Docket RM05-5-027 regarding errata to Version 003.2 of the WEQ Business Practice Standards. In the report, NAESB informed the Commission that one of the three standards that was the subject of the June 5 report, MC19011 (WEQ-003-0), was adopted by the WEQ Executive Committee via notational ballot on June 3, 2019. Submitted by NERC on May 23, 2019, MC19011 proposed to remove references to retired NERC Reliability Standards that appear in WEQ-003. On July 3, 2019, the NAESB WEQ Business Practice Standards were revised to incorporate MC19011.

As detailed in the PFV update above, an informational report on the status of the PFV activities was submitted to the Commission from NAESB and in coordination with the EIDSN, Inc., the IDC, and NERC. Filed in Docket No. EL14-82, the July 23, 2019 report provided information from EIDSN, Inc. regarding the completion of the PFV field trial, a timeline for completion of the PFV standards, and the coordination activities of NAESB, EIDSN, Inc, and NERC. Following the conclusion of the standards development effort, NAESB will file a follow up status report with the Commission.

## NAESB Certification Program For information [Click Here](#)

On June 20, 2019, FERC Order No. 859 *Revisions to the Filing Process for Commission Forms* was issued by the Commission in Docket No. RM19-12-000. The final rule states that the FERC will adopt eXtensible Business Reporting Language (XBRL) as the standard for filing several FERC forms. The order also requires Form No. 1-F filers to file their report in electronic media.

For more information, please go to: [May 16, 2019 FERC NOPR](#), [June 5, 2019 Errata Notice to May 16, 2019 FERC NOPR](#), [December 8, 2017 NAESB Version 003.2 Filing](#), [October 26, 2015 NAESB Version 003.1 Filing](#), [July 21, 2016 FERC NOPR in Version 003.1](#), [June 5, 2019 NAESB Status Update to the Commission on Version 003.2](#), [July 23, 2019 NAESB Status Report to the Commission on Version 003.2](#), [MC19011](#), [Notational Ballot for MC19011](#), [Notational Ballot Results on MC19011](#), [July 23, 2019 NAESB PFV Filing](#), [EIDSN, Inc. PFV Metrics Report 2019](#), and [FERC Order No. 859](#).

**Copyright/NAESB Standards Access:** As everyone should be aware, NAESB copyrights its work products – a practice used by most standards organizations. The copyrights are considered a subset of intellectual property law, and NAESB retains the rights to publication, reproduction, display, and distribution. NAESB members may obtain materials free of charge as part of their benefits, but these benefits do not extend to their agents, affiliates or subsidiaries without prior approval and waivers from the NAESB office. Damages for copyright infringement can be significant, including penalties of \$100,000+, injunction, impounding of materials, seizure of property, and award of punitive damages. At the same time, NAESB is very liberal in its policies towards sharing information and has granted waivers to regulators and educational institutions depending on the intended use. There is also a process by which anyone can request a three-day waiver to review the work products, as they consider whether they should purchase them. Waivers for longer periods can also be granted depending on use. NAESB's control of copyrighted material provides a small revenue stream which offsets some of its standards development expenses and thus those of its members in the creation of the work products. More importantly, as entities must come to NAESB for its standards material, it assures that they will have access to the most current version.

For more information, please go to [Copyright, NAESB Materials Order Form](#) or contact Denise Rager ([drager@naesb.org](mailto:drager@naesb.org)) for additional information.



**RMQ/WEQ Renewable Energy Certificates Update:** Last December, the NAESB Board of Directors approved the addition of 2019 RMQ Annual Plan Item 7 and 2019 WEQ Annual Plan Item 7.b to the WEQ and RMQ Annual Plans. Both annual plan items call for two parts: Part i.) a review by the RMQ and WEQ Executive Committees of the current Renewable Energy Certificates (RECs) processes for financial and/or sustainability accounting/reporting to determine whether distributed ledger technology (DLT) business practice standards are needed; and Part ii.) If needed, then standards development activities will be jointly assigned to the RMQ and WEQ subcommittees, as appropriate.

At the request of the RMQ and WEQ Executive Committee leadership, notice of the formation of the RMQ Executive Committee DLT Task Force and the WEQ Executive Committee DLT Task Force was provided to members at the end of May. The RMQ and WEQ Executive Committee DLT Task Forces were tasked to jointly address Part i of the annual plan items, the review and determination. The task forces held their first joint meeting on June 7, 2019. During that meeting, Tennessee Valley Authority provided a presentation on the current RECs process and Big Data Energy delivered an overview on DLT and its potential applications. On June 24, 2019, the task forces met again to review and discuss a Tennessee Valley Authority RECs fact sheet and a RECs process work paper. Additionally, the task forces agreed, as an initial step, to focus on exploring the REC processes and identifying areas or data sets that could benefit from standardization. The review of data elements provided by Reliability Energy Analytics and the development of a framework for the RECs process became the focus of the third meeting in July. On August 16, the chairs of the task forces finalized the information and guidance that it will present to the WEQ Executive Committee, and to the subcommittees that will take on Part ii of the effort to the WEQ Executive Committee. The task forces anticipate voting out the recommendation during its next conference call. The RMQ/WEQ Executive Committee Task Forces conference calls are open to all interested parties.

For more information, please go to [2019 WEQ Annual Plan](#), [2019 RMQ Annual Plan](#), [RMQ Executive Committee Page](#), [WEQ Executive Committee Page](#), [June 7, 2019 Task Forces Meeting Notes](#), [TVA RECs Primer](#), [Big Data Energy DLT Presentation](#), [June 24, 2019 Task Forces Meeting Notes](#), [TVA RECs Fact Sheet](#), [RECs Process Work Paper](#), [Draft Task Forces RECs Process Framework](#), [Reliable Energy Analytics Bid Example](#), and [Reliable Energy Analytics Offer Example](#).



**Electronic Filing Protocols for Commission Forms (forms):** On June 20, 2019, FERC issued Order No. 859 *Revisions to the Filing Process for Commission Forms*. In the order, the Commission announced that it is adopting eXtensible Business Reporting Language (XBRL) as the standard for filing Commission Form Nos. 1, 1-F, 2, 2-A, 3-Q electric, 3-Q natural gas, 6, 6-Q, 60, and 714. In addition, the Commission announced that it is revising its regulation to require Form No. 1-F filers to file their report in electronic media pursuant to FERC regulations. Issued in Docket No. RM-19-12-000, the order further states that the Commission has directed its staff to lead the transition effort and initiate technical conferences on the matter. The Commission thanked NAESB for holding numerous meetings focused on the transition and the analysis of the different methods that other federal agencies utilize when collecting forms. In Paragraph 25 of the order, the Commission stated that it “sees value in continuing to work with NAESB and its members, as appropriate, to facilitate interaction with filers and users about the new XBRL system.”

As a background, in April of 2015, the Commission issued the *Order Instituting Proceeding to Develop Electronic Filing Protocols for Commission Forms* to initiate discussion on the replacement of Visual FoxPro, the current software used to electronically submit forms. The Commission explained that Visual FoxPro is no longer supported by Microsoft Corporation and other files and reports to FERC, including electronic tariff filings, are employing the Extensible Mark-Up Language (XML) file format. Additionally, in the April 2015 order, the Commission directed its staff to work with NAESB in the process of developing standards for the submission of the forms to the Commission. NAESB held eighteen meetings to discuss the transition of the forms to the XML process, followed by two meetings considering the benefits of the XBRL format. During a June 10, 2015 technical conference, FERC, NAESB, and interested members of the industry discussed the proposal and the transition to a new electronic submission format.

In June and August of last year, the WEQ/WGQ FERC Forms Subcommittee conference calls included initial presentations on XBRL from FERC Staff and the Washington Utilities and Transportation Commission, and discussion on feedback regarding the development of the FERC Forms. On January 17, 2019, in the FERC NOPR, *Revisions to the Filing Process for Commission Forms*, the Commission proposed that XBRL would be a superior method for both the Commission and filing entities to use, as XBRL was developed specifically for reporting financial data and is used widely for reporting business and financial information. To date, the NAESB WEQ/WGQ FERC Forms Subcommittee, chaired by Leigh Spangler and Dick Brooks, has held twenty conference calls.

For more information, please go to [2019 WEQ Annual Plan](#), [2019 WGO Annual Plan](#), [June 20, 2019 FERC Order No. 859](#), [January 17, 2019 FERC eForms NOPR](#), [June 10, 2015 FERC Technical Conference Transcript](#), [April 16, 2015 FERC eForms Order](#), [WEQ/WGQ FERC Forms Subcommittee Page](#), [XBRL Presentation](#), and [Washington Utilities and Transportation Commission XBRL Presentation](#).