**via posting**

**TO:** Interested Industry Parties

**FROM:** Caroline Trum, NAESB Deputy Director

**RE:** Final Minutes from April 8, 2021 WEQ BPS Meeting

**DATE:** April 9, 2021

**WHOLESALE ELECTRIC QUADRANT**

**Business Practices Subcommittee Meeting**

**Conference Call**

**April 8, 2021 – 10:00 AM to 4:00 PM Central**

**FINAL MINUTES**

1. **Welcome**

Mr. Brooks welcomed the participants to the meeting. Ms. Trum provided the antitrust and meeting policies reminder. The participants introduced themselves. Mr. Brooks reviewed the agenda. Mr. Coffin moved, seconded by Mr. Phillips, to adopt the agenda. The motion passed a simple majority vote without opposition.

The participants reviewed the draft minutes from the March 25, 2021 meeting. One modification was offered to fix typographical errors. Mr. Coffin moved, seconded by Ms. Berdahl, to adopt the revised draft minutes as final. The motion passed a simple majority vote without opposition. The final meeting minutes are available at the following link: <https://naesb.org//pdf4/weq_bps032521fm.docx>

1. **Discuss 2021 WEQ Annual Plan Item 7 – Develop and/or modify standards for information and reporting requirements to support battery storage/energy storage and, more broadly, distributed energy resources in front and behind the meter**

Mr. Brooks stated that during the previous meeting, the participants had discussed that data elements included in WEQ-020 Smart Grid Standards Data Elements Table may be applicable to the current standards development effort. Mr. Phillips stated that he had submitted a [work paper](https://naesb.org/member_login_check.asp?doc=weq_bps040821w1.xlsx) identifying the data elements and data element definitions. The data sets were developed with broad industry input in coordination with NIST and OpenADR to support smart grid applications and are shared with the RMQ. Mr. Phillips suggested that where applicable, the subcommittee should consider leveraging these existing data elements. Mr. Fleishman asked if WEQ-020 Smart Grid Standards Data Elements Table had been incorporated by reference by the FERC. Ms. Trum stated that the standards are listed informationally in the FERC’s regulations as non-mandatory guidance.

The participants discussed how best to review the work paper. Mr. Brooks suggested that the participants use the identified use cases to determine which existing data elements would be applicable and if there are new data elements that would be needed. There was general consensus to proceed in this manner. The participants discussed which use case to begin the review. Mr. Gladd asked if the use cases would need to begin with the registration process of the market participant or the registration process of the resources/assets by the market participant with the ISO/RTO. Mr. Coffin suggested that it may be beneficial to begin with the registration of market participants and then move to the registration of energy storage resources and distributed energy resources. Mr. Phillips stated that every ISO/RTO has well-established processes for the registration of market participants and of greater benefit would likely be standards that focus on the registration of distributed energy resources and energy storage resources as registration of these resource types is new for the wholesale electric market. He stated that entities registering energy storage or distributed energy resources will likely have already completed the market participant registration process with the ISO/RTO. Mr. Gladd asked if it would be helpful to begin with the market participant registration process in order to identify the data entities are likely to have already provided to the ISO/RTO. Mr. Fleishman stated that proceeding in this manner would provide the participants with a baseline understanding of what data is communicated as part of the market participant registration process and could help identify any gaps in data that may be unique to the registration of energy storage resources and distributed energy resources. The participants identified this as Use Case 4A (UC4A). Three other use cases were identified by the participants to begin review of the data elements: registration with ISO/RTO of storage resource (battery) – Use Case 4B (UC4B), registration of storage resource within ISO/RTO program(s) – Use Case 4C (UC4C), and registration of storage resource within ISO/RTO for product – Use Case 4C (UC4C). These use cases were documented in the subcommittee’s work paper for 2021 WEQ Annual Plan Item 7.

The participants reviewed the data element work paper and identified the data elements which would likely be information communicated to an ISO/RTO as part of the market participant registration process. Mr. Phillips stated that as part of the market participant registration process, entities often get assigned an identification number. Mr. Brooks stated that this may need to be a new data element as the existing data elements do not contain a company identifier.

The participants discussed how to proceed with the development of use cases and the review of data elements. Mr. Gladd asked if it would be helpful to first identify all applicable use cases. Mr. Phillips stated that during the initial meetings, there appeared to be some support for the development of a common registration dataset for distributed energy resources, distributed energy resource aggregators, and energy storage resources. He suggested that the subcommittee begin by addressing these three use cases and then develop additional use cases as needed. There was general consensus to proceed in this manner. Mr. Gladd stated that the proposed list of information requirements [work paper](https://naesb.org/pdf4/weq_bps040821w3.docx) he had submitted for the previous meeting could be used to identify potential data elements for the registration of energy storage resources and distributed energy resource aggregations.

The 2021 WEQ Annual Plan Item 7 Subcommittee Work Paper as revised during the meeting is available at the following link: <https://naesb.org//member_login_check.asp?doc=weq_bps040821a1.xlsx>

The Use Case Data Elements Work Paper as revised during the meeting is available at the following link: <https://naesb.org//pdf4/weq_bps040821a2.docx>

1. **Next Steps/Review Action Items**

Mr. Brooks stated that for the next meeting, the participants will begin by reviewing UC4B and identifying which potential data elements from the existing data element list could be applicable. Next, the participants will review the Proposed List of Information Requirements for Storage and DER Aggregations to determine any new data elements that need to be added.

1. **Adjourn**

The meeting adjourned at 3:52 PM Central on a motion by Mr. Coffin.

1. **Attendance**

| **First Name** | **Last Name** | **Organization** |
| --- | --- | --- |
| Kokou | Agbassekou | CAISO |
| Seyi | Akinbode | MISO |
| Daryn | Barker | LG&E and KU Services |
| Rebecca | Berdahl | BPA |
| Dick | Brooks | Reliable Energy Analytics |
| Kevin | Burns | OATI |
| Joe | Ciabattoni | PJM |
| Donald | Coffin | Green Button Alliance |
| Patrick | Foley | NV Energy |
| Bob | Fleishman | Kirkland & Ellis |
| Nicholas | Gladd | Kirkland & Ellis |
| Laura | Hannah | MISO |
| Cory | Herbolsheimer | NV Energy |
| Eva | Hunt | Avista |
| Ali | Ipakchi | OATI |
| Gabe | Murtaugh | CAISO |
| Samin | Peirovi | FERC Staff |
| Joshua | Phillips | SPP |
| Jill | Powers | CAISO |
| Farrokh | Rahimi | OATI |
| Robin | Rebillard | Manitoba Hydro |
| Danielle | Smith | SMUD |
| Scott | Stewart | Duke Energy |
| Tracy | Townley | Avista |
| Caroline | Trum | NAESB |
| Eric | Vaa | CAISO |