**via posting**

**TO:** Interested Industry Parties

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

**RE:** Final Minutes from April 20, 2021 WEQ BPS Meeting

**DATE:** April 30, 2021

**WHOLESALE ELECTRIC QUADRANT**

**Business Practices Subcommittee Meeting**

**Conference Call**

**April 20, 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 Ms. Crockett, to adopt the agenda. The motion passed a simple majority vote without opposition.

The participants reviewed the draft minutes from the April 8, 2021 meeting. A modification was offered for accuracy purposes. Mr. Coffin moved, seconded by Ms. Crockett, 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_bps040821fm.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 identified several [use cases](https://naesb.org/pdf4/weq_bps042021w2.docx): identify common market participant registration data needed to support registration use cases – Use Case 4A (UC4A), 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). The participants then identified [data elements](https://naesb.org/member_login_check.asp?doc=weq_bps042021w1.xlsx) for UC4A that representative of information likely collected in the ISO/RTO market participation registration process to identify the baseline information that may need to be included in the registration of energy storage and distributed energy resources. The data elements are existing data elements included in WEQ-020 Smart Grid Standards Data Elements Table.

Mr. Rahimi asked if the identification of storage assets as part of UC4B also included aggregated storage. Mr. Fleishman stated that the storage resources contemplated as part of UC4B were energy storage resources that can participate under FERC Order No. 841. Mr. Gladd stated that the subcommittee began with this use case as energy storage resources are already participating in the marketplace, making the identification of the necessary data for registration purposes easier.

The participants discussed UC4B and began to identify data elements that may be applicable to the registration process for storage resources.

The participants discussed if market participants would need to provide information related to the NERC Critical Infrastructure Protection (CIP) Reliability Standards for these resource types. Mr. Phillips stated that such information is likely not needed for the registration or a resource. Mr. Fleishman agreed, stating that some data may be applicable but would not be collected as part of the registration process. Mr. Johnson stated that an assets CIP classification is part of a separate process and would not need to be addressed in registration.

The participants discussed if the Asset Group ID data element would be applicable. Mr. Brooks asked if a storage resource could ever be part of a group but considered an independent, single resource or if any grouping of resources would always be considered an aggregation. Mr. Gladd stated that allowing a grouping of assets as a single resource versus considering the grouping an aggregation would be dependent on the RTOs or ISOs implementation. He stated, as an example, a real estate development where each unit had a small battery. Mr. Johnson stated that from a modeling standpoint, the resources in Mr. Gladd’s example would likely be aggregated into a singular node. Mr. Gladd suggested that additional research be done to determine current industry practices under FERC Order No. 841. This item was added to the parking lot as Issue #1.

The participants completed the review of all the data elements for UC4B, identifying each element as needed, not needed, needed but business conditional, or putting a place holder if further information was needed to make a determination.

During the meeting, the participants added nine additional parking lot items. Seven of these items relate to the additional research that may be needed to determine the applicability of existing data elements (Issues #2 – 5 and 8 – 10. One item is to determine if the Smart Energy Profile (SEP) device class categorization had been updated to include batteries (Issue #6). The final item addresses if new data elements will be needed to include information regarding fire and safety protections and affiliated permits for storage resources as part of registration (Issue #7).

The use case data elements work paper as revised during the meeting is available at the following link: <https://naesb.org//member_login_check.asp?doc=weq_bps042021a1.xlsx>

The subcommittee work paper as revised during the meeting is available at the following link: <https://naesb.org//pdf4/weq_bps042021a2.docx>

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

The participants discussed how to move forward at the next meeting. Mr. Fleishman stated that it may be beneficial to identify additional use cases that could be of value, such as those related to the registration of distributed energy resources and distributed energy resource aggregations. The participants agreed to begin discussions on this topic during the next meeting.

1. **Adjourn**

The meeting adjourned at 3:17 PM Central on a motion by Mr. Coffin, seconded by Mr. Fleishman.

1. **Attendance**

| **First Name** | **Last Name** | **Organization** |
| --- | --- | --- |
| Rebecca | Berdahl | BPA |
| Dick | Brooks | Reliable Energy Analytics  |
| Kevin | Burns | OATI |
| Donald | Coffin | Green Button Alliance |
| Valerie | Crockett | TVA |
| Patrick | Foley | NV Energy |
| Bob | Fleishman | Kirkland & Ellis |
| Nicholas | Gladd | Kirkland & Ellis |
| Alan | Johnson | NRG |
| Joshua | Phillips | SPP |
| Farrokh | Rahimi | OATI |
| Robin | Rebillard | Manitoba Hydro |
| Danielle | Smith | SMUD |
| Scott  | Stewart | BPA |
| Tracy | Townley | Avista |
| Caroline | Trum | NAESB |
| Eric | Vaa | CAISO |