

Summary of Activities in Storage Investigation Docket 16-01013

Link to Investigation Docket Page: <http://pucweb1.state.nv.us/PUC2/DktDetail.aspx>

Procedural Order 1 was issued on April 4, 2016:

1. Interested persons may file **COMMENTS** on or before **MONDAY, MAY 2, 2016, AT 2:00 P.M.** addressing the following:
 - A. What is the state of battery storage technologies in terms of the maturity of the technologies, research and development, and product commercialization?
 - (1) What services are currently being provided to the grid and where? What services can be potentially offered over the next 15 years?
 - (2) What is the current cost of storage, and what are the projected cost reductions/increases over the next 15 years?
 - (3) Have cost/benefit analyses for storage for utility and customer applications been performed? Please provide copies and/or citations.
 - (4) What types of residential, commercial, and/or utility-scale storage options are currently offered and by whom?
 - (5) How does battery storage compare to other storage options?
 - (6) Which states have had success in deploying battery storage technologies? How do you define “success”? How do state programs interact with any federal efforts in this area? Please provide examples.
 - B. Should Nevada Power Company d/b/a NV Energy (“NPC”) and Sierra Pacific Power Company d/b/a NV Energy (“SPPC”) be required to address storage as part of their resource planning? If so, how?
 - C. Are there any changes that should be made to Nevada’s statutes, the Commission’s regulations, and/or NPC’s and SPPC’s tariffs and rates to eliminate possible barriers or unintended outcomes pertaining to storage technologies?
 - D. What are NPC and SPPC doing to investigate deployment of storage technologies at the residential, commercial, and/or utility-scale levels?
2. Interested persons may file **REPLY COMMENTS** on or before **MONDAY, MAY 16, 2016, AT 2:00 P.M.**
3. A **WORKSHOP** will be held at the Commission’s offices in Carson City and Las Vegas, Nevada, beginning on **THURSDAY, MAY 19, 2016, AT 10:00 A.M.**

Brief Summary of May 19th Workshop:

Workshop Attendees: BCP, Enel, NV Energy, RESA, the Airport Authority, SolarCity, Tesla, WRA, Mr. Voltz, and the Commission Staff made appearances. Note: All comments submitted by the parties are available at the Link above.

Comments were filed by: NVE, F. Voltz, Staff of the PUCN, Energy Storage Associates, Renewable Energy Systems, Western Resource Advocates, STEM, SolarReserve, SolarCity, Reno Tahoe Airport Authority, Tesla Motors, Enel Green Power. Reply comments were filed by Tesla, BCP, A. De Fazio, Western Resource Advocates, NVE, Staff, SolarCity, and F. Voltz.

- Discussed the questions listed above and asked for input on priorities for moving forward with the docket;
- Discussed the Smith Valley Project and NVE's current abilities to consider storage devices was addressed;
- Discussed NVE's efforts to address interconnection of DER resources;
- The Presiding Officer set aside the procurement target issue as he viewed this as more of legislative policy directive.
- The Presiding Officer indicated that the investigation would start with Interconnection issues (Rule 15) and two stakeholder meetings at the Commission would be scheduled.
- The Presiding Officer indicated that he would initiate a separate proceeding to address utility planning
- The Presiding Officer indicated that he would initiate a separate proceeding for Valuation – end of July/August time frame.

Procedural Order 2 was Issued on June 1, 2016:

1. On May 19, 2016, the Commission held a workshop. BCP, Enel, NV Energy, RESA, the Airport Authority, SolarCity, Tesla, WRA, Mr. Voltz, and Staff made appearances.

A. Stakeholder Meetings

2. The Commission will hold up to two stakeholder meetings for the purpose of allowing NV Energy and stakeholders the opportunity to informally discuss the rules governing the

behind-the-meter storage interconnection process, including but not limited to Rule 15. The meeting is scheduled for June 21, 2016 at 10:00 a.m., to be continued, as needed, to July 13, 2016 at 10:00 a.m. The meetings will be held in Hearing Room A of the Commission's office at 1150 East William Street, Carson City, Nevada 89701 with video-conference to the Commission's office at 9075 West Diablo Drive, Suite 250, Las Vegas, Nevada 89148.

Procedural Order 3: Issued 7-15-2016

A. Procedural Schedule

The following procedural schedule is hereby established:

- a. With regard to energy storage issues pertaining to interconnection:
 - i. The Commission has been notified by Staff that the participants in this Docket intend to submit a list of interconnection issues for further investigation. As soon as this document is received, the Presiding Officer will issue a procedural order setting forth a schedule for submission of proposals and workshop(s).
- b. With regard to energy storage issues pertaining to valuation:
 - i. A WORKSHOP will be held at the Commission's offices in Carson City and Las Vegas, Nevada, beginning on WEDNESDAY, AUGUST 3, 2016, at 10:00 A.M for the purposes of discussing energy storage valuation. NV Energy should be prepared to give a thorough explanation of the proposed Smith Valley Storage Project, from both a timeline and internal analysis perspective.
- c. With regard to energy storage issues pertaining to utility planning and

distribution:

- i. Interested persons may file COMMENTS on or before
WEDNESDAY, AUGUST 24, 2016, at 2:00 P.M.
- ii. Interested persons may file REPLY COMMENTS on or before
WEDNESDAY, SEPTEMBER 7, 2016, at 2:00 P.M.
- iii. A WORKSHOP will be held at the Commission's offices in
Carson City and Las Vegas, Nevada, beginning on TUESDAY,
SEPTEMBER 13, 2016, at 10:00 A.M.