

# Minutes

## Essential Reliability Services Working Group

June 8, 2016 | 12:00 – 5:00 p.m. Central Time

June 9, 2016 | 8:00 a.m. – 12:00 p.m. Central Time

Hyatt Regency St. Louis at The Arch  
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### NERC Antitrust Compliance Guidelines and Public Announcement

#### Agenda Items

##### June 8, 2016

1. **Lunch** – Provided
2. **NERC Overview** – Pooja Shah – Pooja provided an update on NERC activities; reviewed the updated schedule. 1) The ERSWG whitepaper on sufficiency guidelines will be due to the Operating Committee (OC) and Planning Committee (PC) in December 2016 for acceptance by the committees and will be presented to the NERC Board of Trustees (Board) for Informational purpose. No Board approval sought, but will request for feedback as we move forward to 2017 deliverable. 2) The DERTF final report will be due to the OC and PC in December 2016 for acceptance by the committees. It will be presented to NERC Board in Q1 2017. Save-the-Date announcement for DER workshop was sent out on June 3, 2016 to the industry. Members are encouraged to attend as well as recruit industry experts to be on one of the panels. Please see draft agenda for the workshop.
3. **Co-chairs' remarks** – Todd Lucas, Brian Evans-Mongeon Brian and Todd updated group on on-going activities including the expectations for next year. They noted that the whitepaper on sufficiency guidelines currently being developed will be utilized as a transition to next year's report.
4. **Discuss ERS Subgroup Activities** – Sufficiency Guidelines
  - a. **Frequency Support** – Julia provided the group an update on frequency support and inertia methodologies. She discussed the pros and cons of top-down, bottom-up approaches to determine sufficient inertia before reaching UFLS. The document has an example from ERCOT. It was recommended to add an ERCOT example using synthetic inertia and energy storage. Julia is looking for input from stakeholders to determine the criteria validity for interconnections. The Resources Subcommittee (RS) will be assisting the Frequency Subgroup in getting Hydro Quebec as an example system. There was also a recommendation to add the projected resource mix in the report.

- b. Load Ramping – Clyde presented the CAISO duck curve issue which reached the projected 2020 load in May 2016. The ramping issue in CA is reaching its peak earlier than anticipated. The subgroup developed a flow chart to examine whether ramping is an issue for other areas that need to be addressed. It was suggested to remain technology neutral (issue is non-dispatchable resource) within the write-up and remove the reference to renewables in the formula.
- c. DERTF – The group discussed the upcoming workshop agenda and topics. The workshop will be held on August 2-3, 2016. Jim Reilly provided an update on the work that DOE/Argonne Labs is doing with DERs and their willingness to assist with the TF as well as the workshop. Next DERTF call will be in two weeks. Jason MacDowell updated the group on his portion of the DER work with operating characteristics and review of NERC standards applicability.

## 5. Break

## 6. Discuss ERS Subgroup Activities (cont'd)

- a. Voltage Support - Voltage document was sent to the group. The solution will not include any specific numbers for sufficiency, but will instead establish criteria for necessary voltage support to be determined by individual areas. The group will provide an example table with various scenarios of voltage constraints and possible solutions. It was recommended to include transmission issues along with distribution contributed issues. Some areas such as SPP that have transmission lines and transfer of power through them need to be considered. John and his subgroup will develop language for both concepts and work with Mark/Dave on an abstract of the detailed SAMS Reactive Power Planning and Operations document to include in the report.
- b. ~~DERTF~~ – Covered on Day 1

## June 9, 2016 (No Breakfast)

### 1. Monitor, Track and Trent ERSTF Measures with Subcommittees

- a. RS – Troy, ~~Pooja~~ – Troy provided an update on RS activities on getting all interconnections to provide the data to calculate inertia. They are also monitoring and working on other Measures for frequency. Troy presented an example for CPS1 scores on hourly basis in support of Measure 6.
- b. PAS – ~~Melinda Montgomery, John S.~~ Brad Gordon - Brad Gordon provided an update on PAS activities. PAS will be meeting next week and Measure 7 is on the priority list. The PAS was tied up with SOR and thus now will shift focus to M7.
- c. RAS – Pooja – The RAS is looking for input from the Ramping Group for determining whether ramping is an issue for areas they study. The preliminary results are due by October. At a minimum, the RAS will look for refreshed data and results from entities like CAISO and ERCOT to provide update in LTRA.

### 2. Next Meeting

- a. August 3-4, 2016 – Atlanta GA (~~Tentative~~)-NERC Offices

### 3. Close Meeting

#### Attendees:

**In-Person:** Mark Ahlstrom, Sasoon Assaturian, Troy Blalock, Dave Canter, Al Corbett, Enoch Davies, Brian Evans-Mongeon, Hassan Hamdar, Rich Hydzik, Gaurav Karandikar, Ray Kershaw, Paul Kure, Todd Lucas, Jagan Mandavilli, Julia Matevosjana, Elsa Prince, Jim Reilly, Pooja Shah, Tom Siegrist, John Simonelli, Vikas Singhvi, Charlie Smith, Sylvester Toe, Clyde Loutan, John Moura, Brad Gordon, Jason MacDowell, Debra Lew, Cezar Pahait

**Phone:** Rodney O’Bryant, Tom Coleman, Quoc Le, Joe Muehler, Mike McMullen, Jack Cashin