

Meeting Notes

Project 2021-07 Extreme Cold Weather Grid Operations, Preparedness, and Coordination Standard Drafting Team

July 5, 6, and 7, 2022 | 1:00 – 3:00 p.m. Eastern

Review NERC Antitrust Compliance Guidelines and Public Announcement

Alison Oswald, NERC staff, called attention to the NERC Antitrust Compliance Guidelines and the public meeting notice.

Roll Call and Determination of Quorum

A team roll call was taken and quorum was determined on both days. The member attendance sheet is attached as attachment 1

July 5

David McRee informed the team that NOAA has put a lot of effort into reliable weather data going back 30 years. Kenny Luebbert suggested the team ask entities to go back to 1995 for collecting weather data. David Kezell suggested the team find a date where the NOAA modernization effort started. David McRee is checking with the meteorologist on his staff and reported back the modernization effort was completed in 2000. The team will continue discussing, but will pick a hard date to put into the language. Team also discussed making the language say “at a minimum” so entities could include older dates if they felt inclined to include other cold snaps in their area.

The team reviewed proposed language to have precipitation removed from Requirement R1 and have it captured in the CAP.

July 6

Leadership and FERC met prior to the meeting to discuss precipitation. David Huff, FERC, presented language for addition to cold weather plan for documenting freeze protection. The key part was that entities are documenting what they are doing.

Kenny Luebbert led a discussion about statistical calculation versus lowest temp for the extreme cold weather temperature. This is to determine what is the best number to design freeze protection too. Team would like to see data on these two options before making a choice.

The team discussed the concept of wind chill. Wind chill is not meant to apply to equipment as a heat loss calculation and will not be used. There is support for including 20 mph wind concurrent with lowest temperature.

A team discussion led to the removal of the 12-hour requirement for existing units, but will be retained for new units. The discussion continued to determine if 3 hours was applicable for existing units. A proposal for 1-hour operation was also put forth and the team will continue to discuss.

July 7

Lauren Perotti, NERC Legal, presented on the legal basis for the NERC Standards. This was in response to comments from industry about the retrofit and design of the new facilities in the standards. Lauren stated Section 215 allows for these Standards to address retrofit. Congress has the authority on building new or enlarge the plant, not NERC. Legal has reviewed the comments and believes that this Standard meets the common reading of Section 215, and therefore, has the authority to draft this standard. If a conflict exist between local law and NERC, it will need to be addressed when identified. More discussion to be had during the in-person meeting later this month.

The team discussed if requirement R1 Parts 1.1 and 1.2 should be individual requirements for existing vs new generation. The team agreed and the standard was adjusted.

The team discussed what months constitute winter and should be in the standard. The team decided to remove November from the Standard.

Temperature data was discussed and lead by Eric Jebsen who did an analysis of temperature data points. Kenny Luebbert is proposing that we move to a 0.2% percentile for the extreme temperature. The method for calculating this temperature will be sent out to the team so they can review. Dane Rogers from OGE shared a dataset that he developed to help demonstrate how the temp values could change and impact the values people would see.

The team agreed to “not less than one hour” for recommendation on how long to operate.

David Lemmons presented his efforts on the CAP language, which is based on the approved PRC standard. This is based on the definition of the CAP already in the NERC standard and language was drafted from the PRC. The team will continue to review next week.

Attachment 1

| Name | Organization | 7/5 | R1 Specifications | 7/6 | 7/7 |
|-------------------|---|-----|-------------------|-----|-----|
| Kenneth Luebbert | Evergy, Inc. | X | Y | X | X |
| Matthew Harward | Southwest Power Pool, Inc. | X | abstain | X | X |
| Venona Greaff | Oxy | X | Y | X | X |
| Derek Kassimer | ReliabilityFirst | X | Y | X | X |
| Jonathan Davidson | City Utilities of Springfield | X | Y | X | X |
| David McRee | Duke Energy | X | Y | X | X |
| Thor Angle | Puget Sound Energy | X | Y | X | X |
| Keith Smith | Orsted Onshore North American | X | Y | X | X |
| Chad Wiseman | Newfoundland & Labrador Hydro | X | N/A | N | N |
| Bradley Pabian | Louisville Gas & Electric and Kentucky Utilities | X | Y | X | X |
| Collin Martin | Oncor Electric Delivery, LLC | X | Y | X | X |
| Jill Loewer | Utility Services | N | - | N | N |
| David Kezell | Electric Reliability Council of Texas, Inc. (ERCOT) | X | Y | X | X |
| Ryan Salisbury | Oklahoma Gas & Electric | N | - | N | N |
| David Deerman | Southern Company Services | X | Y | X | X |