

Definition of Bulk Electric System – Phase 2

NERC Industry Webinar
October 10, 2013

RELIABILITY | ACCOUNTABILITY



- NERC Antitrust Compliance Guidelines and Public Announcement
- Definition Clarification Item
 - Dispersed Power Producing Resources
- Project Milestones – Phase 2
- Questions and Answers

- It is NERC's policy and practice to obey the antitrust laws and to avoid all conduct that unreasonably restrains competition. This policy requires the avoidance of any conduct that violates, or that might appear to violate, the antitrust laws. Among other things, the antitrust laws forbid any agreement between or among competitors regarding prices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that unreasonably restrains competition. It is the responsibility of every NERC participant and employee who may in any way affect NERC's compliance with the antitrust laws to carry out this commitment.

- Participants are reminded that this meeting is public. Notice of the meeting was posted on the NERC website and widely distributed. The notice included the number for dial-in participation. Participants should keep in mind that the audience may include members of the press and representatives of various governmental authorities, in addition to the expected participation by industry stakeholders.

- 14 - Dispersed power producing resources that aggregate to a total capacity greater than 75 MVA (gross nameplate rating), and that are connected through a system designed primarily for delivering such capacity to a common point of connection at a voltage of 100 kV or above. Thus, the facilities designated as BES are:*
- a) The individual resources, and*
 - b) The system designed primarily for delivering capacity from the point where those resources aggregate to greater than 75 MVA to a common point of connection at a voltage of 100 kV or above.*

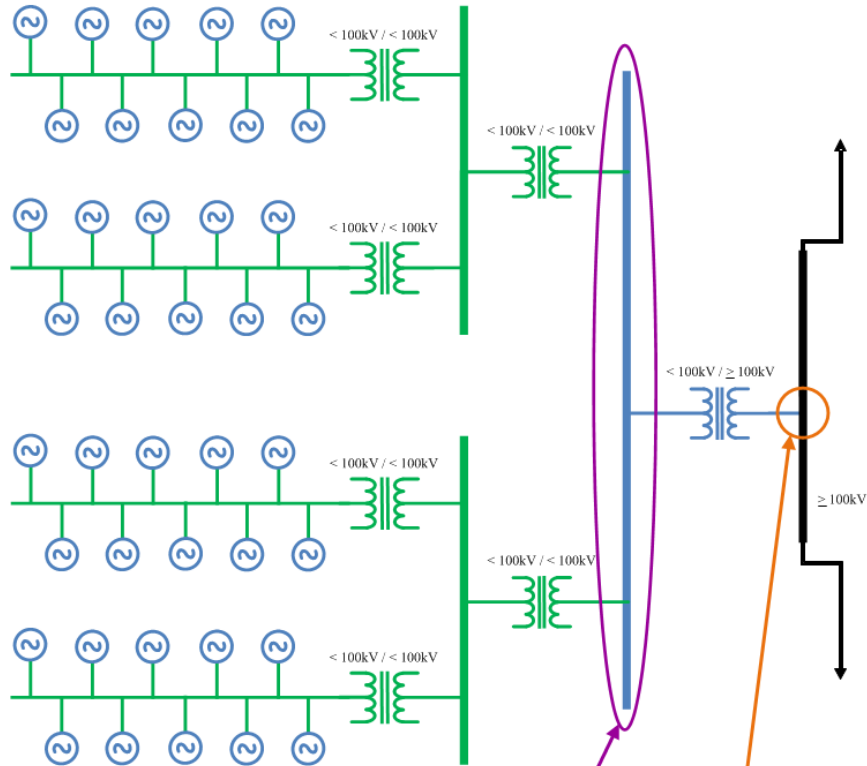
- Modified language to clearly reflect the Standard Drafting Team (SDT) intent.
- FERC Orders 773 and 773-A approved the inclusion of these individual units.
- No stakeholder has provided a technical rationale to support removal of the individual units from the definition.
- The SDT believes that stakeholder concerns may be addressed by specifying the Facilities to which an individual standard applies within the Applicability section of that standard.

Definition Clarification Items: Dispersed Power Producing Resources Continued

Typical dispersed generation site and substation design (single transformation of voltage level) with a gross aggregate nameplate rating of 80 MVA (Individual Generator Unit Rating: 2 MVA). By application of Inclusion 14 the dispersed power producing resources and the Elements from the point of aggregation to the common point connection are BES Elements.

Green identifies non-BES.

Blue identifies the dispersed power producing resources and BES Elements between the point where those resources aggregate to greater than 75 MVA to a common point of connection at a voltage of 100 kV or above.



The point of aggregation is where the individual generator name plate ratings of the dispersed generation total > 75 MVA (actual 80 MVA) and a single point failure would result in loss of all generation contained on the dispersed generation site.

The common point of connection is where the individual transmission Element(s) of the collector system is connected to the 100 kV or higher Transmission system. (Note: This point is typically specified in the respective Transmission Owner and Generator Operator Interconnection Agreements.)

- BES Definition 30-day Concurrent Posting
 - Formal Comment Period ends October 28, 2013
 - Additional Ballot Period October 18 – October 28, 2013
- Final Ballot Posting – November 2013
- Board of Trustees Delivery – Following conclusion of final ballot
- Filing with FERC – November/December 2013



Questions and Answers

Webinar Slides:

http://www.nerc.com/pa/Stand/Project%20201017%20Proposed%20Definition%20of%20Bulk%20Elec1/bes_phase2_third_posting_20131010_webinar_final.pdf