NERC
NORTH AMERICAN ELECTRIC RELIABILITY CORPORATION

Implementation Plan

Project 2007-09 Generator Verification

Implementation Plan for PRC-019-1 – Coordination of Generating Unit or Plant Capabilities, Voltage Regulating Controls and Protection

Approvals Required

PRC-019-1 – Coordination of Generating Unit or Plant Capabilities, Voltage Regulating Controls and Protection

Prerequisite Approvals

None

Revisions to Glossary Terms

None

Applicable Entities

Generator Owner
Transmission Owner that owns synchronous condenser(s)

Applicable Facilities

For the purpose of this standard, the term, "applicable Facility" shall mean any one of the following:

- Individual generating unit greater than 20 MVA (gross nameplate rating) directly connected to the ~~bulk power system~~Bulk Electric System.
- Individual synchronous condenser greater than 20 MVA (gross nameplate rating) directly connected to the Bulk Electric System~~bulk power system~~.
- Generating plant/Facility consisting of one or more units that are connected to the Bulk Electric System~~bulk power system~~ at a common bus with total generation greater than 75 MVA (gross aggregate nameplate rating).
- Any generator, regardless of size, that is a ~~B~~blackstart unit ~~Resource~~ material to and designated as part of a Transmission Operator's restoration plan.

Conforming Changes to Other Standards
None

Effective Dates
PRC-019-1 shall become effective as follows:

In those jurisdictions where regulatory approval is required:

- ~~By the first day of the first calendar quarter, one calendar year following applicable regulatory approval, each Generator Owner and Transmission Owner shall have verified at least 20 percent of its applicable Facilities.~~
- By the first day of the first calendar quarter, two calendar years following applicable regulatory approval, each Generator Owner and Transmission Owner shall have verified at least 40 percent of its applicable Facilities.
- By the first day of the first calendar quarter, three calendar years following applicable regulatory approval, each Generator Owner and Transmission Owner shall have verified at least 60 percent of its applicable Facilities.
- By the first day of the first calendar quarter, four calendar years following applicable regulatory approval, each Generator Owner and Transmission Owner shall have verified at least 80 percent of its applicable Facilities.
- By the first day of the first calendar quarter, five calendar years following applicable regulatory approval, each Generator Owner and Transmission Owner shall have verified 100 percent of its applicable Facilities.

In those jurisdictions where regulatory approval is not required:

- ~~By the first day of the first calendar quarter, one calendar year following Board of Trustees approval, each Generator Owner and Transmission Owner shall have verified at least 20 percent of its applicable Facilities.~~
- By the first day of the first calendar quarter, two calendar years following Board of Trustees approval, each Generator Owner and Transmission Owner shall have verified at least 40 percent of its applicable Facilities.
- By the first day of the first calendar quarter, three calendar years following Board of Trustees approval, each Generator Owner and Transmission Owner shall have verified at least 60 percent of its applicable Facilities.
- By the first day of the first calendar quarter, four calendar years following Board of Trustees approval, each Generator Owner and Transmission Owner shall have verified at least 80 percent of its applicable Facilities.

- By the first day of the first calendar quarter, five calendar years following Board of Trustees approval, each Generator Owner and Transmission Owner shall have verified 100 percent of its applicable Facilities.

Justification for Phasing:

The coordination activities in this standard (PRC-019-1) are most effectively performed just prior to the performance of a reactive capability test, as required by MOD-025-2. Hence, the SDT has followed the same implementation schedule in PRC-019-1 as defined in MOD-025-2.

Retirements

None