

Project 2007-09 Generator Verification Implementation Plan

Implementation Plan for PRC-024-1, Generator Performance During Frequency and Voltage Excursions

Approvals Requested:

PRC-024-1 – Generator Performance During Frequency and Voltage Excursions

Definitions:

Frequency Excursion – an exceedance of system frequency beyond a continuous operating band; 60 ± 0.5 Hertz.

Voltage Excursion – an exceedance of system voltage beyond a continuous operating band; $\pm 5\%$ of scheduled voltage.

Prerequisite Approvals

None

Revisions to Approved Standards and Definitions

None

Compliance with the Standard

The following entities are responsible for being compliant with all requirements of PRC-024-1:

- Generator Owner

Effective Date

The first day of the first calendar quarter one year following applicable regulatory approval; or, in those jurisdictions where no regulatory approval is required, the first day of the first calendar quarter one year following Board of Trustees adoption:

- Each Generator Owner shall verify at least 33% applicable units fully compliant with this standard.

The first day of the first calendar quarter two years following applicable regulatory approval; or, in those jurisdictions where no regulatory approval is required, the first day of the first calendar quarter two years following Board of Trustees adoption:

- Each Generator Owner shall verify at least 66% applicable units fully compliant with this standard.

The first day of the first calendar quarter three years following applicable regulatory approval; or, in those jurisdictions where no regulatory approval is required, the first day of the first calendar quarter three years following Board of Trustees adoption:

- Each Generator Owner shall verify 100% applicable units fully compliant with this standard

The phasing allows Generator Owners to effect any needed changes to the protective system settings during normally scheduled outages.

According to its Implementation Plan, PRC-006-1, Requirement R4 (see project 2007-01, Underfrequency Load Shedding) does not become effective until PRC-024 becomes effective. Upon the effective date of PRC-024-1, R4 of PRC-006-1, R4 will also go into effect.