

Facility Interconnection Studies
For
Associated Electric Cooperative, Inc.

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***** NOTE: When revising this procedure, post on AECI's OASIS site and add a notice on the AECI Open Access News section prior to the effective date.**

<u>Revision No.</u>	<u>Revision History</u>	<u>Date Revised</u>
0	Original Issue	4/5/2012
1	Complete rewrite and reformat to conform to new FAC-002-2.	12/11/15

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A. Purpose

The purpose of this document is to outline Associated Electric Cooperative, Inc.'s (AECI) facility interconnection studies requirements.

B. Application

These facility interconnection study requirements shall apply to the following new or materially modified interconnections (Refer to FAC-001-2 Facility Interconnection Requirements Of Associated Electric Cooperative, Inc., document) to AECI's Bulk Transmission System:

- Electric generating facilities;
- Transmission system to system facilities (i.e. interconnection with an adjacent Transmission Owner);
- End-user facilities.

For new or materially modified generation interconnections, interconnection studies will follow AECI's Generation Interconnection Procedures (GIP).

C. Study Requirements

1. For new or materially modified interconnections to AECI's Bulk Transmission System, AECI's interconnection studies shall assess:
 - a. The reliability impact of the interconnection on affected systems.
 - b. Adherence to applicable NERC Reliability Standards and applicable Regional and Transmission Owner planning criteria; and facility interconnection requirements.
 - c. The impacts to system performance under both normal and contingency conditions through steady-state, short-circuit, and dynamics studies, as necessary.
2. Data required for studies is detailed in AECI's FAC-001-2 Facility Interconnection Requirements document. Specific study assumptions, system performance, alternatives considered, and coordinated recommendations will be documented in the study report.

D. Coordination of Studies

1. AECI will coordinate and cooperate with Interconnecting Parties seeking to interconnect to the AECI Bulk Transmission System on the system impact assessments.
2. AECI will coordinate any studies required to determine the impact of the Interconnection Request on Affected Systems and include those results in the interconnection study report.

E. Data Retention

AECI shall retain its documentation (of its evaluation of the reliability impact of the new facilities and their connections on the interconnected transmission

systems) for three years and shall provide the documentation to the Regional Reliability Organization(s) and NERC on request (within 30 calendar days).