Generator Testing Policy Implementation

During their June 2006 joint meeting, PCC and OC recommended the Generating Unit Model Validation Policy for approval by WECC Board of Directors. PCC requested that the appropriate committee address the following matters related to the implementation of the Policy:

- Transition plan for Generator Testing and Model Validation Policy
- Treatment of identical units at the same generating facility

The Generator Testing Task Force (GTTF) prepared this document in response to PCC's request, taking into account comments provided by both M&VWG and TSS at their respective recent meetings.

Issue 1: Generator Owners who did not perform baseline testing in accordance with the original requirements are non-compliant with the Policy.

Generator Owners that are non-compliant with the baseline test requirement (as defined in section B.1.2 of the Policy) shall provide to WECC staff, by December 31, 2006, a schedule to perform baseline testing and model validation. The Generator Owner should coordinate the schedule with the appropriate Transmission Planner(s). The Generator Owner will be considered non-compliant with the Policy until the baseline testing and model validation is completed.

Issue 2: A large number of Generator Owners, who complied with the original baseline test requirement, are required to perform model re-validation. Many of the Owners have multiple generating facilities. From resource management standpoint, the Owners should be allowed to spread generator re-validation over a five-year period. Many Generator Owners are in the midst of the equipment replacement programs. It makes sense to coordinate the re-validation efforts with the respective replacement programs, as well as maintenance cycles. On the other hand, WECC should have the authority to accept or reject the re-validation schedule proposed by the Generator Owners.

Generator Owners that have complied with the baseline test requirements (as defined in section B.1.2 of the Policy) shall provide to WECC staff, by December 31, 2006, a schedule to perform model re-validation (as defined in section B.1.3 of the Policy). The Generator Owner should coordinate the schedule with the appropriate Transmission Planner(s). The Generator Owner will be considered compliant with the Policy as long as the initial model re-validation is completed within 5 years from December 31, 2006.

Subsequent model re-validation should be done every 5 years.

Issue 3: Baseline testing and model validation of the "sister" units in the same Generating Facility.

In case of multiple "identical" generating units at the same Generating Facility, baseline testing (as defined in section B.1.2 of the Policy) shall be performed on at least one of the representative units. Model data validation (as defined in section B.1.3 of the Policy) shall be performed for all generating units.

Issue 4: Wind Farm Model Validation

The technical guidelines developed in conjunction with the Policy, as well as existing WECC generator testing guidelines, apply to conventional generating units. Similar guidelines will be developed to address model data and model validation requirements for wind power plants. Those guidelines will go through the WECC approval process.

Approved by the WECC Planning Coordination Committee October 27, 2006