

PSC NO: 220 ELECTRICITY  
NIAGARA MOHAWK POWER CORPORATION  
INITIAL EFFECTIVE DATE: JANUARY 1, 2011  
STAMPS: Issued in Compliance with Order issued December 20, 2010 in Case No. 10-E-0409.

LEAF: 245  
REVISION: 3  
SUPERSEDING REVISION: 2

#### GENERAL INFORMATION

53. STANDARDIZED INTERCONNECTION REQUIREMENTS AND APPLICATION PROCESS FOR NEW DISTRIBUTED GENERATORS 2 MW OR LESS CONNECTED IN PARALLEL TO UTILITY DISTRIBUTION SYSTEMS (Continued)

#### **STEP 4: Utility Conducts a Preliminary Review and Develops a Cost Estimate for the Coordinated Electric System Interconnection Review (CESIR).**

The utility conducts a preliminary review of the proposed system interconnection. Upon completion of the preliminary review, the utility will inform the applicant as to whether the proposed interconnection is viable or not, and provide the applicant with an estimate of costs associated with the completion of the CESIR. The preliminary review shall be completed and a written response detailing the outcome of the preliminary review shall be sent to the applicant within fifteen (15) business days of the completion of Step 3. The utility's response to applicants proposing to interconnect aggregate DG systems above 25 kW and up to 2 MW, or proposing to interconnect to network systems will include preliminary comments on requirements for safety equipment, protective relaying, metering and telemetry.

#### **STEP 5: Applicant Commits to the Completion of the CESIR**

Prior to commencement of the CESIR, the applicant shall provide the following information to the utility:

- a complete detailed interconnection design package
- the name and phone number of the individual(s) responsible for addressing technical and contractual questions regarding the proposed system, and
- if applicable, advanced payment of the costs associated with the completion of the CESIR

The complete detailed interconnection design package shall include:

- (1) Electrical schematic drawing(s) reflecting the complete proposed system design which are easily interpreted and of a quality necessary for a full interconnection. The drawings shall show all electrical components proposed for the installation, and their connections to the existing on-site electrical system from that point to the PCC.
- (2) A complete listing of all interconnection devices proposed for use at the PCC. A set of specifications for this equipment shall be provided by the applicant upon request from the utility.
- (3) The written verification test procedure provided by the equipment manufacturer, if such procedure is required by this document.
- (4) Three (3) copies of the following information:
  - Proposed three line diagram of the generation system showing the interconnection of major electrical components within the system. Proposed equipment ratings clearly needs to indicate:
    - 1) Number, individual ratings, and type of units comprising the above rating;
    - 2) General high voltage bus configuration and relay functions;
    - 3) Proposed generator step-up transformer MVA ratings, impedances, tap settings and winding voltage ratings;
  - Electrical studies as requested by the utility to demonstrate that the design is within acceptable limits, inclusive and limited to the following: system fault, relay coordination, flicker, voltage drop, and harmonics.

Issued by Thomas B. King, President, Syracuse, NY