

NPCC Document A-13

Process implementation needs for compliance

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- Establish criteria to verify generators MW capability and ensure the accuracy of steady-state models used in reliability assessments of the BPS
- Applies to all generators included in IESO reliability assessments
- Refers to provision of:
 - declared and verified seasonal values of gross and net MW capability
 - Seasonal auxiliary loads including common station loads

- Establish and maintain the verification program
- Maintain a list of generators subject to verification along with documentation of:
 - Declared and verified gross and net MW capability
 - Verification date and method of verification
 - Discrepancies between declared and verified values
 - Testing, manufacturer, performance tracking or operational historical data
 - Exempt generators
- Define summer and winter seasons, and exceptions to seasonal reporting
- Document discrepancies between modeling values and verified values

- Define process to exempt generators from verification (see criteria in section 3.2 of A-13)
- Establish data requirements for exempt generators (see criteria in section 3.2 of A-13)
- Report annually to NPCC discrepancies between declared and verified values
- Report process changes and status to NPCC
- Inform generators and NPCC of changes to process within 30 days

- Comply with verification process, including testing criteria
- Verify its gross and net MW capability every 3 years or as defined by the IESO
- Report seasonal MW requirements for auxiliary loads
- Report declared and verified seasonal gross and net MW capability
- Report limitations to achieving declared and verified values
- Resolve discrepancies between verified and declared values

- Facility Registration (MM 1.2), form 1004 captures:
 - Seasonal gross MW capability
 - Station load (MW and MVar)
- 18-mo outlook (MM 2.11), form 1230 captures:
 - Monthly net MW capability

| | | Declared Values | Verified Values |
|-----------------|---------------|-----------------|-----------------|
| Net MW | Summer | Form 1230 | New Form |
| | Winter | Form 1230 | |
| Gross MW | Summer | Form 1004 | |
| | Winter | Form 1004 | |

Station Load: Form 1004

- Size threshold for generators subject to this standard
- Testing frequency
- What is the IESO involvement in allowing/running the test?
- Process management, data storage and handling
- Clarify use of MW capacity in FR/PLC, outages, forecasts, models, A-13