

# **SRSG Operating Procedure No. 1**

## **Resource Reserve Qualification**

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### **1. Purpose**

The purpose of this Operating Procedure No. 1 is to establish the criteria to qualify resources for reserves in the SRSG, and to establish procedures to complete the SRSG Resource Reserve Qualification Forms.

### **2. General**

There are essentially three (3) sources of reserves: generators, interruptible load/exports, and firm on-demand and contingent purchases. For a Party's resources to qualify as Spinning Reserve and Non-Spinning Reserve the following criteria must be met and the appropriate data submitted to the SRSG Administrator on Resource Reserve Qualification Forms by November 1<sup>st</sup> of each calendar year. It is each Party's responsibility to submit revised Resource Reserve Qualification Forms more frequently, if needed, to keep all resource information up to date.

### **3. Generators**

3.1 Parties may carry more than one rating for each unit (i.e., Summer/Winter); however, testing must be performed every two (2) years to verify each rating. If only one (1) rating is utilized testing must be performed during the period of May 1 through September 30.

3.1.1 The test duration for hydro units and simple cycle combustion turbines shall be one (1) hour. The integrated output over the hour shall be used for the unit's claimed capability.

3.1.2 The test duration for all other types of units shall be four (4) consecutive hours. The lowest hourly integrated output during the four (4) hour test period shall be used for the unit's claimed capability.

3.1.3 Combined cycle plants (i.e. "1-on-1" and "2-on-1") will provide individual ratings for each unit or possible combination. With metered output, the 1-on-1 configuration rating may be derived from the tested capacity of the 2-on-1 configuration divided by two.

- 3.2 Testing of quick start combustion turbines shall be performed every two (2) years to verify the ability of the unit to come on-line and serve demand within ten (10) minutes.
- 3.3 Verification tests of generator ramp rates shall be performed every two (2) years to determine the amount of unloaded generation which can serve demand within ten (10) minutes.
- 3.4 EMS data shall be accepted as proof of resource output capability. Actual printouts from EMS systems or other documentation supporting the current rating and ramp rate should be made available upon request for review by the Operating Committee. Parties shall keep test documentation for a period of two (2) years or until a subsequent test has been performed, whichever is longer.
- 3.5 Testing/reporting for a joint owned unit (JOU) will be done by the Party who is the operating agent of the plant. If the JOU operating agent is not a Party, it shall be the responsibility of the Party claiming such JOU to obtain appropriate testing/reporting information from the JOU operating agent.
- 3.6 Parties shall not claim contingency reserves on units whose test dates have expired. Units with expired ramp tests shall be considered to have a ramp rate of zero. Full capability of a generator may be restored after another test is performed and the appropriate Resource Reserve Qualification Forms have been updated and submitted to the SRSG Administrator.

#### **4. Interruptible Load/Exports**

To qualify a resource as an interruptible load/export, such resource must meet the following criteria:

- Load must be capable of being removed from the system within ten (10) minutes.
- Limits on frequency or duration of interruptions must be known. Once limits have been met, this load cannot be claimed for reserves.
- Load may be interrupted via notification by phone or switch.
- The customer cannot override interruption.
- Load does not have to be on a separate circuit.
- Interruptible load must be a continuously known quantity.

#### **5. Firm, On-Demand, and Contingent Purchases**

To qualify firm, on-demand, and contingent purchases towards reserves, such purchases must meet the following criteria:

- Unit Contingent purchases must have the specific owners' (for JOUs) generator(s) identified and must be at least three (3) consecutive months in length.
- Contractual ramp rate must be known.
- In order to count a purchase towards reserves a Party must have sufficient transmission to support the activation of such purchases to the load center. This includes Spinning Reserve purchases.

## 6. Resource Reserve Qualification Form Instructions

Each Party shall complete the following forms, as appropriate, to qualify a resource.

### GENERATORS - FORM A

1. PARTICIPANT: Enter your company name or acronym.
2. DATA REPORTED FOR YEAR: This should be the year for which the reports are being submitted. For example, the reports submitted by November 1, 1997 are for the year 1998.
3. REPORT DATE: This should be the date the report was completed. This information is necessary in the event that updated reports are sent out after the original report.
4. FACILITY NAME AND NUMBER: Enter the name and number (if applicable) of the generating unit being reported.
5. JOU: Enter "Y" if the generating unit is a joint owned unit and "N" if unit is wholly owned by reporting member. The operating agent of a joint owned unit is responsible for performing and maintaining testing information on each unit. All joint owned unit participants are to report only their respective capability of the unit on Form A.
6. FACILITY TYPE: Enter the type of unit: C - Combustion Turbine; CC - Combined Cycle; D - Diesel Engine; G - Geothermal; H - Hydro; N - Nuclear; P - Pumped storage; or S - Conventional Steam.
7. ACTIVE GOVERNOR (Y/N): Enter "Y" if the unit has an active governor or "N" if the unit does not have a governor or if the governor is blocked.
8. MAXIMUM CAPACITY: Enter your share of the maximum capacity (net MW) for the unit.
9. RAMP RATE: Enter the ramp rate of the unit in MW/min.
10. CAPABILITY IN 10-MINUTES IF OFF LINE: Enter a unit's capability to serve demand within ten (10) minutes if the unit is off line.

### INTERRUPTIBLE LOAD/EXPORTS - FORM B

Form B is only required for long term (1-year or longer) interruptible load/exports.

1. PARTICIPANT: Enter your company name or acronym.

2. DATA REPORTED FOR YEAR: This should be the year for which the reports are being submitted. For example, the reports submitted by November 1, 1997 are for the year 1998.
3. REPORT DATE: This should be the date the report was completed. This information is necessary in the event that updated reports are sent out after the original report.
4. RESOURCE NAME: Enter the name of the interruptible load/export.
5. TERM START/END: Enter the start and end dates of the interruptible agreement.
6. NOTIFICATION PERIOD: Enter the length of notice (in minutes) that is required prior to interrupting.
7. CONTINUOUSLY MONITORED QUANTITY (Y/N): Enter "Y" if the interruptible load/export quantity is monitored at all times and the control operator has view of such monitored quantity. Enter "N" if the control operator has no such continuous knowledge.
8. INTERRUPTION LIMITATION: Enter any limitation(s) on the number or duration of interruptions that are allowed per the contract and the relative time frame. For example, 10 interruptions/year.

FIRM, ON-DEMAND & CONTINGENT PURCHASES - FORM C

1. PARTICIPANT: Enter your company name or acronym.
2. DATA REPORTED FOR YEAR: This should be the year for which the reports are being submitted. For example, the reports submitted by November 1, 1997 are for the year 1998.
3. REPORT DATE: This should be the date the report was completed. This information is necessary in the event that updated reports are sent out after the original report.
4. RESOURCE NAME: Enter the name of the firm, on-demand or contingent purchase. If the purchase is contingent, also include the name of the generator(s) in which the purchase is contingent on.
5. TERM START/END: Enter the start and end date of the purchase.
6. MAXIMUM CAPACITY: Enter the maximum capacity available under the purchase agreement.
7. CONTRACT RAMP RATE: Enter the contractual ramp rate of the purchase.
8. CAPABILITY WITHIN 10 MINUTES: Enter the quantity of capacity available to serve demand within ten (10) minutes if current schedule is zero (0).
9. TRANSMISSION PATH: Enter the transmission path being utilized for the purchase.