Energy Emergency Alert 3 Report

NERC requires that a deficient control area or load-serving entity declaring an Energy Emergency Alert 3 must complete the following report. Upon completion of this report it is to be sent to the reliability coordinator for review within two business days of the incident.

Requesting Control Area: SCEG

Entity experiencing energy deficiency (if different from Balancing Authority): SCEG

Date/Time Implemented: 01/07/2014 07:41

Date/Time Released: 01/07/2014 11:01

Declared Deficiency Amount (MW): 300

Total Energy supplied by other Balancing Authority during the Alert 3 period: 2513 MWh were supplied from the following BAs during the Alert 3 period: Duke Energy Carolinas, PJM, Southern Company, Santee Cooper, Duke Energy Progress, and SEPA.

Conditions that precipitated call for “Energy Deficiency Alert 3”: record-setting cold weather; record demand; loss of generation resources; all resources in use (including reserves); power for purchase limited due to regional weather, usage conditions, and other BA loss of generation; and inability to meet demand.

If “Energy Deficiency Alert 3” had not been called, would firm load be cut? If no, explain: Yes
Explain what action was taken in each step to avoid calling for “Energy Deficiency Alert 3”:
SCE&G responses are shown in parentheses.

1. All generation capable of being on line in the time frame of the energy deficiency was on line (including quick start and peaking units) without regard to cost. (All generation resources capable of being online were utilized without regard to cost.)

2. All firm and nonfirm purchases were made regardless of cost. (All firm and nonfirm purchases were made regardless of cost.)

3. All nonfirm sales were recalled within provisions of the sale agreement. (SCE&G had no nonfirm sales.)

4. Interruptible load was curtailed where either advance notice restrictions were met or the interruptible load was considered part of spinning reserve. (Interruptible load was curtailed.)

5. Available load reduction programs were exercised (public appeals, voltage reductions, etc.). (Voltage reduction was implemented, interruptible customers were curtailed and standby generators were brought online.)

6. Operating Reserves being utilized. (All reserves were utilized.)

Comments: EEA level 3 was declared at 0741 on 01/07/2014 and ended at 1101 on 01/07/2014. Initially 100 MW of firm load was shed at 0744 due to inability to meet demand; an additional 200 MW of firm load was shed at 0828 due to a recall of power being supplied by Duke and PJM.