



Emergency Plan – Capacity and Energy Emergencies

At the warning of a severe capacity or energy shortage (such as a forecast of below 30° Fahrenheit weather, or zero state reserves), the System Operations & Generation Department will notify the Director of System Operations, giving all possible details known at the time. After a review of the available information, if it appears likely that a severe situation is indeed impending (or if the Reliability Coordinator calls), the following actions shall be taken:

1. Notify all department heads, Police and Fire Departments, Hospital and Nursing Homes; City Government, and any other critical customers of the impending situation.
2. Issue news media energy conservation bulletins. Also, use appropriate notice/message for the Utilities Commission’s telephone service.
3. Review the availability of all generation capacity. Contact other utilities for availability of Schedule A or B Replacement Capacity for any generation expected to be available during the emergency period.
4. Coordinate what, if any, actions will be required of the Interconnected Transmission system (system switching by others which may limit flows into or out of NSB) with adjacent Transmission Operators (FPL and PEF) and determine who will be required to perform those actions. If necessary, a Transmission Switching Order may be required to implement any required actions or directives. Coordinate with adjacent Balancing Authorities (FPL and PEF) to determine the availability of wholesale or emergency energy supply, or if any Utilities Commission generation will be required for voltage control or other purposes.
5. Prioritize critical circuits and potential load shedding feeders.

As the high system demand increases, the recommended operating steps are listed below:

6. Load Management:
Initiate normal Load Management Relief;
 - a. Initiate Enhanced Residential Load Management Program; and
 - b. Notify customers with standby generation (such as the hospital, police department, nursing home) that we are in a severe demand situation.
7. Commence the System Voltage Reduction Program by lowering the 23 kV level by 5%, thereby reducing the load approximately the same amount.

Created by: Tim Beyrle	Date Created: January 7, 2006
Modified by: Tim Beyrle	Date Modified: August 20, 2008



NSB-EOP-010-1

Page 2 of 2

Emergency Response Plan – Capacity and Energy Emergencies

8. Should the capacity shortage continue to worsen, place the Water and Pollution Control plants on their auxiliary generating units, and separate from the distribution system. Notify Bert Fish Medical Center to switch to their auxiliary power.
9. Begin Coordinated Load Shedding with selected load outages rotated to match the load to the available capacity.
10. Notify all designated agencies of our status operating activities as requested.

Created by: Tim Beyrle

Date Created: January 7, 2006

Modified by: Tim Beyrle

Date Modified: August 20, 2008