

## **Energy Emergency Alert 3 Report**

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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: HQT**

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

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**Date/Time Implemented: 12/04/2014 15:05**

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**Date/Time Released: 12/04/2014 18:00**

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**Declared Deficiency Amount (MW): 796**

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**Total Energy supplied by other Balancing Authority during the Alert 3 period: Emergency Energy was supplied up to 1 800 MW.**

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**Conditions that precipitated call for “Energy Deficiency Alert 3”:** At 15:05, two 735 kV lines tripped (L7044 / L7047) resulting in a reduction of 7 000 MW of transmission capacity. Both lines remained out of service. HVDC system was unavailable for a planned outage at that time, causing supplemental transmission capacity limitations. We had an IROL exceedance that was cleared under 30 minutes using manual load shedding.

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**If “Energy Deficiency Alert 3” had not been called, would firm load be cut? If no, explain: Yes**

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**Explain what action was taken in each step to avoid calling for “Energy Deficiency Alert 3”:**

- 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 available generation was on line.**
- 2. All firm and nonfirm purchases were made regardless of cost. Yes and Emergency Energy was called.**
- 3. All nonfirm sales were recalled within provisions of the sale agreement. Yes**
- 4. Interruptible load was curtailed where either advance notice restrictions were met or the interruptible load was considered part of spinning reserve. Yes**
- 5. Available load reduction programs were exercised (public appeals, voltage reductions, etc.). Yes for public appeal and voltage reduction**
- 6. Operating Reserves being utilized. Yes**

**Comments:**

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**Reported by: Maxime Nadeau**

**Organization: HQT**

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**Title: Manager - Data Acquisition & SPS**

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