

Attachment 2
Transmission Emergency Action Plan
(January 1, 2010)

The following is a list of actions that BPA Transmission Services will pursue to avoid a situation on the transmission system that would result in the interruption or adjustment of protection measures contained in the respective Biological Opinions (BiOps).

Pre-emptive Actions

Whenever possible, BPA Transmission Services will attempt to avoid interruptions to fish protection measures by taking pre-emptive actions.

- Coordinate scheduled transmission maintenance.
- No additional transmission sales on a transmission path experiencing congestion will be allowed to prevent aggravation of the transmission congestion.
- Implement Reliability Redispatch of federal and non-federal generation in the BPA Balancing Authority Area under the Reliability Redispatch Pilot Program when bids are available and effective.
- Coordinate with BPA Power Services Hydro Duty Schedulers to determine if Discretionary Redispatch of federal generation can be done under Attachment M of the OATT.
- Curtail transmission schedules as appropriate to minimize/avoid a transmission system emergency condition.

Emergency Actions

Should the implementation of available resources on the pre-emptive actions list above fail to resolve a situation, or if the situation arises suddenly without warning, BPA Transmission Services shall initiate the process to declare a transmission system emergency. A declaration of a transmission system emergency from BPA Transmission Services will initiate implementation of the Generation Emergency Action Plan - *Attachment 1 of the TMT Emergency Protocols*.

A transmission system emergency will be declared if:

1. a transmission problem requires immediate action to further prevent deterioration of the transmission system or prevent cascading outages; or
2. a transmission problem requires reduction or increase in generation within set time constraints and violating BiOp constraints is the only option that time will permit or it is the only effective option for mitigating the problem.

Implementation of actions from the Emergency Actions List in the Generation Emergency Action Plan will not occur unless a declaration of a transmission system emergency or a NERC Energy Emergency Alert 2 or 3 is requested by BPA.

Generator Dropping

When an unplanned transmission outage initiates generator dropping at a federal hydro plant, it could potentially require an interruption of fish protection measures.

Interruption of Fish Protection Measures

If fish protection measures are interrupted, notification by the responsible agency will follow the protocols for notification, reporting, and documentation as specified in the *Technical Management Team Emergency Protocols, Appendix 1 – Emergency Protocols of the TMT Water Management Plan*.

Definitions

Balancing Authority - The responsible entity that integrates resource plans ahead of time, maintains load-interchange-generation balance within a Balancing Authority Area, and supports Interconnection frequency in real time.

Balancing Authority Area - The collection of generation, transmission, and loads within the metered boundaries of the Balancing Authority. The Balancing Authority maintains load resource balance within this area.

Energy Emergency Alerts – Procedures by which a Load Serving Entity can obtain capacity and energy when it has exhausted all other options and can no longer provide its customers' expected energy requirements. An Energy Emergency Alert may be initiated by Reliability Coordinator at 1) the Reliability Coordinator's own request, or 2) upon the request of a Balancing Authority, or 3) upon the request of a Load Serving Entity. 1

Energy Emergency Alert 1 - All available resources in use.

- Balance Authority, Reserve Sharing Group, or Load Serving Entity foresees or is experiencing conditions where all available resources are committed to meet firm load, firm transactions, and reserve commitments, and is concerned about sustaining its required Operating Reserves, and
- Non-firm wholesale energy sales (other than those that are recallable to meet reserve requirements) have been curtailed.

Energy Emergency Alert 2 – Load management procedures in effect.

- Balancing Authority, Reserve Sharing Group, or Load Serving Entity is no longer able to provide its customer' expected energy requirements, and is designated an Energy Deficient Entity.
- Energy Deficient Entity foresees or has implemented procedures up to, but excluding, interruption of firm load commitments.

Energy Emergency Alert 3 – Firm load interruption imminent or in progress.

- Balancing Authority or Load Serving Entity foresees or has implemented firm load obligation interruption. The available energy to the Energy Deficient Entity, as determined from Alert 2, is only accessible with actions taken to increase transmission transfer capabilities.

Energy Emergency Alert 0 - Termination

- When the Energy Deficient Entity believes it will be able to supply its customers' energy requirements, it shall request of its Reliability Coordinator that the Energy Emergency be terminated.

Redispatch – The intentional incrementing of location-specific generation and the corresponding decrementing of different location-specific generation to mitigate loading on constrained transmission facilities.