## The Black Start Working Group (BSWG) met on July 13, 2011

* Black Start Resource Testing Proposal:

There is a proposal to change the timeline for Black Start Resource testing and Preparation of the TO Black Start Plans.

In the past the schedule has been such that TOs were preparing plans for resources that have not completed testing.

Currently the testing is allowed to continue until the end of the year.

The TO must have Black Start Plans to ERCOT in enough time for ERCOT to study the plan, identify problem areas, and propose changes before January 1 of each year.

The BSWG was in agreement with this proposal. (see attached proposal)

* Create guidelines for ERCOT Operators to follow during recovery from an ERCOT Black Out that cover the following:
  + Adding loads to combined islands
    - It was decided that the ERCOT Operators would evaluate the adding of load using the following criteria:
      * How many TO are associated and tied to the combined island?
      * How much generation capacity is available in the combined island?
      * Which unit is controlling frequency?
      * How many tie lines are energized between these islands and are they stable and what is the flow on the ties?
      * Where is the critical load and how much will need to picked up by each TO?
      * The picking up of load will be evaluated based on system conditions
* Does ERCOT take control of ALL combined islands? **Yes**
* When does the market come back? **When all the market tools are able to solve and data is available.**
* At what point do we suspend the market?
  + ERCOT Blackout: **When there is no generation available to serve load.**
  + Partial Blackout: **Depends on the system conditions and will be determined at the time of the incident.**
* Winterizing: This will not be handled by the BSWG
* NPRR369, Black Start Service Requirement Revisions **Isabel Flores**

Review comments - add comments for ROS consideration

Tests should be scheduled by ERCOT. If unable to fulfill request the entity must communicate as such with ERCOT. BS Units that come on line during EEA events will not need to be tested again.

Isabel Flores – needs recommendation - BSWG gives recommendation

* NOGRR076, Synchronization with NPRR298 and New Format for Black Start Plans
  + To review the Nov. 1st deadline
  + Market notice to come out Oct. 1st
* NERC has a different definition for Cranking Path. BSWG agrees to keep the ERCOT definition as is.
* Defining Critical Loads
  + Types of critical loads are defined in TOs Black Start plans
  + Critical loads are defined in the guides.
  + The new Senate bill 937 that defines critical loads as hospitals/nursing homes/hospice defined by TX Gov went into effect September 1, 2011
  + This bill could change the way we write our BSP’s and how will we prioritize?
  + The BSWG agrees that the system restoration must be a two-part event, first we build the system and make it get it stable, then, we prioritize critical load define stability of grid as critical load; the grid must be stable in order to provide power to critical customers
  + Each entity must identify in their BSP where their critical load resides

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* Black Start Unit Timeline **Steve Zaragoza**
  + Changes were requested that will have testing completed by December 1st.
  + Black Start plans will be completed and turned in to ERCOT by December 1st.
  + RFP posting on Feb. 1 instead of April 1st.
  + RFP response due April 1 instead of June 1st.
  + Black Start Resources to be awarded on June 1st. The old date was Aug. 1st.
  + MP turn in BS Plans on Nov. 1st and ERCOT presents draft of BSP in Dec.
* There is a need to figure out how the BS Plans will be submitted
  + Issues with a secure website and other MP having their own NDA
* Black Start training for 2011 was discussed by Kelly Blackmer
  + Discussed the Dry Run and had very positive responses
  + Talked about a few minor problems with the software before training began
* Kelly Blackmer communicated his thoughts for the 2012 Black Start Training
  + The Dry Run will be held on January 10, 2012
  + 2.5 days of training with 20+ CEH hours
  + There will be 6 weeks of training.
* Steve Zaragoza was to try and schedule the BSWG to meet on the last Thursday of each month (This has been completed. Only January of 2012 will be different)
* Kelly Blackmer updated the group with the progress of NPRR369 and NOGRR076
* TRE Auditable Items **Presented by Matt Stout**
  + CIP Related Standards
    - CIP 002-3 Mandatory Effective Date 10/01/10 Identifying Critical Assets i.e. Cranking Paths.
    - Cranking Path (NERC Glossary of Terms) v. Cranking Path (NOGRR076)
    - CAN – Compliance Application Notes – auditor interpretation can be requested
    - CIP 002-4 NERC BOT Approved, Awaiting FERC Approval
    - Effective date with be the eight calendar quarter after BOT adoption.
    - EOP 005-2 More transmission based – Black Start Plan template to be used for consistency. R10.1 – TO shall include within its operations training program, annual System restoration training.
    - EOP 006-2 Reliability Coordinator based