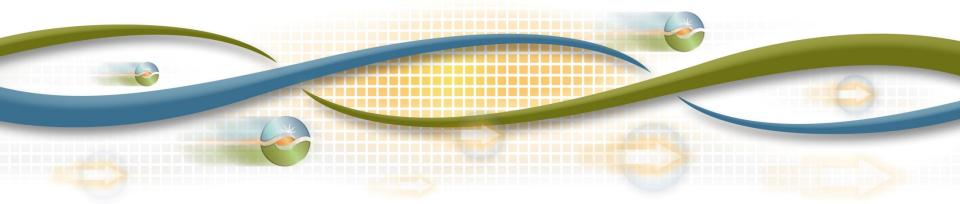


## Decision on Blackstart Needs and System Restoration Plan

Dede Subakti, P. E. Director, Operations Engineering Services

Board of Governors Meeting General Session November 1, 2012



NERC Reliability Standard EOP-005-02 revises blackstart obligations, requirements and testing.

- Effective July 1, 2013.
- Requires transmission operators to have a system restoration plan approved by their reliability coordinator.
- Requires agreements to reflect testing requirements to verify that each blackstart resource is capable of meeting the requirements of its restoration plan.



The ISO stakeholder process is focused on blackstart issues to address NERC requirements.

- Complete restoration plan;
- Obtain WECC approval;
- Align tariff with reliability standard; and
- Modify interim blackstart agreements to reflect new testing procedures.



## Positions of stakeholders

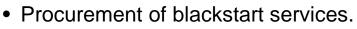
- Stakeholders have expressed general support for this approach.
- Stakeholders have expressed strong interest in the next steps in the ISO's policy development initiative.



## Next steps



- Align ISO tariff with reliability standard:
  - ISO will determine amount of blackstart.
  - ISO will determine location of blackstart.
  - Determination consistent with applicable reliability criteria, which includes the requirements of EOP-005-02.
- Modify interim blackstart agreements to reflect new testing procedures.



- Compensation for blackstart services.
- Cost allocation to the ISO market.

