



Eastern Interconnection Planning Collaborative

---

# EIPC Gas-Electric Study

## Target 2 Status Update

Stakeholder Steering Committee

March 21, 2014

**LEVITAN & ASSOCIATES, INC.**

MARKET DESIGN, ECONOMICS AND POWER SYSTEMS

# Acknowledgement and Disclaimer

## The EIPC appreciates and acknowledges the support of DOE for the Eastern Interconnections Studies Project

### Acknowledgement:

- ◆ This material is based upon work supported by the Department of Energy, National Energy Technology Laboratory, under Award Number DE-OE0000343.

### Disclaimers:

- ◆ This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by trade name, trademark, manufacturer, or otherwise does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof.

# Target 2 Research: Electric System Database (1)

- ◆ EIPC database for use with AURORAxmp electric system simulation near final PPA approval for use in Reference Scenario
- ◆ Database development included the following:
  - Started with default AURORAxmp North American database
  - Existing and new resources for 2018 and 2023 analyses adjusted to be consistent with the EIPC Roll-up report
    - Posted at [http://www.eipconline.com/Non-DOE\\_Documents.html](http://www.eipconline.com/Non-DOE_Documents.html)
  - Natural gas market hubs configured for use of basis prices from GPCM

# Target 2 Research: Electric System Database (2)

- ◆ To round out the database, LAI has used:
  - Additional public sources of data, such as additional wind profiles from NREL and solar shapes from PVWATTS
  - Mix of generic assumptions from public sources and the PPAs' and LAI's engineering judgments
  - Development of Reference Scenario fuel and emissions allowance prices
  - Changes in environmental requirements affecting retirements
  - Development of Low and High Gas Demand Scenarios

# Target 2 Anticipated Milestones

- ◆ Post first set of sensitivities: 3/28/14
- ◆ Post additional Target 2 data / assumptions: 4/23/14
- ◆ SSC webinar: 5/7/14
  - Target 2 status update
  - Discuss second set of sensitivities
- ◆ Initial Draft Report to stakeholders: 5/30/14
- ◆ Comments due from stakeholders: 6/13/14
- ◆ SSC Mid-Point Meeting: 6/25-26/14 (Atlanta)
  - Discuss Target 2 results and Initial Draft Report
  - Finalize second set of sensitivities
- ◆ Post second set of sensitivities: 7/3/14
- ◆ SSC webinar: 8/1/14
  - Target 2 status update
- ◆ Revised Draft Report to stakeholders: 9/12/14
- ◆ SSC webinar: 9/19/14
  - Discuss Target 2 Revised Draft Report
- ◆ Comments due from stakeholders: 9/26/14
- ◆ Final Draft Report to DOE: 10/10/14