Assessment Staff

- **David Kelley**, Manager of Interregional Coordination (RTO)
- **Chris Haley**, Engineer Associate II (RTO)
- **Debbie Currie**, Lead Engineer (SPP RE)
Summer Reliability Assessment

• Projected seasonal outlook for summer 2012
  – June, July, August, and September

• Primary objectives:
  – Identify areas of concern
  – Make recommendations for mitigations/actions as needed

• Provides high-level overview of summer reliability assessment for SPP RTO Region
  – Demand growth
  – Capacity adequacy
  – Operational reliability
Assessment Area

- SPP RE assessments now include Nebraska
  - Nebraska still registered with MRO
  - RTO operational and planning area includes Nebraska
Assessment Process

- Created with data/information submitted by SPP Reporting Entities
- SPP staff validate and cross-check data to verify consistency
- SPP staff aggregate information into one dataset for entire SPP RTO area
- SPP staff use peer review process to validate data and develop reliability assessments
- Assessment then undergoes peer-review process at NERC prior to finalization
2012 Summer Demand & Capacity

• 55,352 MW actual 2011 summer peak demand
• 53,512 MW projected 2011 summer peak
• 54,051 MW projected 2012 peak demand
• 63,550 MW Existing Capacity resources
  – 42% Gas/Oil
  – 40% Coal
  – 27% Other
  – 1,028 MW added since previous summer assessment
Transmission Additions

- 38 miles of transmission added since 2011 summer assessment
- ~169 miles 100-345 kV transmission line additions expected to be in service during assessment
  - Not expecting delays on these
- 65 miles of reliability projects identified as needed for summer that will not be built this summer
  - Mitigation plans in place
Reliability and Reserves

• Reserve margins adequate
  – SPP members required to maintain 12% capacity margin - translates to a 13.6% reserve margin
  – Forecasted reserve margin is 20% for summer 2012

• Reliability issues not expected
  – Operations is monitoring regional drought condition
  – Wind integration continues to be a growing concern
  – Extreme weather not expected to impact reliability
Demand Response and Energy Efficiency

- **Demand Response** – interruptible and non-controllable
  - Peak 1,107 MW

- **Energy Efficiency**
  - Peak 237 MW

- **OG&E program**
  - Expect demand reduction of ~80 MW
  - Enrollment of up to 40,000 customers by end of 2012

- **BPU program released January 2012**
  - Expect demand reduction of ~10 MW
  - Enrollment of up to 6,000 customers March 2013
Operational Issues

• Systematic outages are not expected to impact regional reliability during assessment period

• Generation fleet is diverse re: location, fuel type, capability
Environmental Regulations

- Cross-State Air Pollution Rule (CSAPR)
  - December 2011 U.S. Court of Appeals issued stay - no effective date has been set
  - SPP conducting assessment on CSAPR and MATS to be completed in April
  - No expected impact in 2012 summer timeframe
Next Steps / Summary

• SPP sends draft assessment to NERC at end of March
• NERC publishes in June
• SPP reporting area has sufficient capacity to meet forecasted demand during 2012 summer assessment period
Upcoming SPP RE Events

- **RE Trustee Meeting**, April 23, 2012 – Oklahoma City
- **How to Hash Evidence for CIP Audits**, March 29, 1:30 CST
- **CIP Workshop**, May 22-23, Dallas. [Download Agenda]
- **Review of Standards Effective in 2012/2013**, May 31, 2:00 CST

- Please take this [short survey](#) to let us know how we did on the webinar!