Assessment Staff

- **David Kelley**, Manager of Interregional Coordination (RTO)
- **Chris Haley**, Engineer Associate II (RTO)
- **Debbie Currie**, Lead Engineer (SPP RE)
- **Jason Smith**, Manager Ops Engineering Analysis & Support (RTO)
Summer Reliability Assessment

• Projected seasonal outlook for summer 2013
  – Focus on Reporting Area peak (August)

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

• Provides high-level overview of summer reliability assessment for SPP reporting area (SPP RE + Nebraska)
  – Demand growth
  – Capacity adequacy
  – Operational reliability
Assessment Process

• Created with a combination of projected data/information submitted by SPP Reporting Entities and SPP historical actuals
• SPP staff validate and cross-check data to verify consistency
• SPP staff aggregate information into one dataset for entire assessment 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
2013 Summer - Coincident Demand & Capacity

- 55,352 MW actual 2012 summer peak demand
- 53,512 MW projected 2012 summer peak
- 54,168 MW projected 2013 peak demand
- 71,012 MW Existing Capacity resources
  - 44% Gas
  - 37% Coal
  - 9% Wind
  - 9% Other (Hydro, Nuclear, Oil, etc.)
  - 1,028 MW projected to be in service since previous summer assessment
Major Transmission Additions

- **172 miles of transmission added since 2012 summer assessment**
  - Post Rock – Axtell 345 kV line (136 miles)
  - Sooner – Cleveland 345 kV line (36 miles)
- Several other transmission upgrades, transformer additions, substation configuration changes since 2012 summer
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 38.8% for summer 2013

• Reliability issues not expected
  – Operations has no ongoing identified concerns
  – Wind integration continues to be an active issue
  – Extreme weather not expected to impact reliability
Environmental Regulations

- **SPP continues its new bi-annual study process**
  - 4-year look ahead for reliability issues
  - Weekly snapshots through the 4 years
  - Scheduled outages taken into account

- **No expected impact in 2013 summer timeframe**
Next Steps / Summary

• Send any comments to Chris Haley by March 22
• SPP sends draft assessment to NERC March 25
• NERC publishes in May
• Assessment area has sufficient capacity to meet forecasted demand during 2013 summer assessment period
Upcoming SPP RE Events

March 22, 10:00  Misoperations Reporting in webCDMS webinar

April 18, 10:00  How to Use EFT Server & Evidence Protection

April 29  RE Trustee Meeting, Kansas City

May 9, 10:00  Stakeholder Input on Long-Term Reliability Assessment webinar

May 21-22  CIP Workshop, Dallas AGENDA

Oct. 8-9  Fall Workshop, Little Rock