EIPC Formation &
Update on Key Initiatives

December 2021
Outline

• EIPC History
  – Mission Statement
  – Formation & Structure
  – Organization
  – Scope of Activities

• The DOE Grant

• Update of Key Initiatives

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EIPC’s Mission Statement*

“EIPC provides a forum for interconnection-wide coordination of system planning activities of its member regions in the Eastern Interconnection while also providing policy makers and regulators with relevant, complete and technically sound information.”

*Approved by the EIPC Executive Committee, October 2020
In 2008, several Planning Coordinators in the east started a dialog to establish an interconnection-wide planning process for the coordinated roll-up and expansion of existing regional plans. Those discussions evolved into the EIPC.

The EIPC, formed under an agreement in 2009, is the first-of-its-kind collaborative in the Eastern Interconnection (EI).

EIPC is a voluntary membership organization of 19 NERC-registered Planning Coordinators which covers over 95% of the EI.

EIPC’s members contribute their resources to the work that is jointly undertaken.
EIPC Organization

EXECUTIVE COMMITTEE

TECHNICAL COMMITTEE

EIPC STANDING COMMITTEES

- CEII Working Group (CEII WG)
- Electric-Gas Task Force (EGTF)
- Frequency Response Working Group (FRWG)
- Modeling Coordination Working Group (MCWG)
- Production Cost Task Force (PCTF)
- Transmission Analysis Working Group (TAWG)
Scope of Activities

• Coordinate overview and analytic review of regional transmission plans using integrated models of the Eastern Interconnection
• Serve as a resource to facilitate analysis of FERC, DOE, NERC, and State transmission policy issues, providing a broad interconnection-wide view of the potential impacts resulting from possible regulations
• Focus on interconnection-wide (multi-regional) analysis
• Work closely with state and federal regulators and other stakeholders on issues of interest to them
The DOE Grant

- EIPC won a 2010 DOE grant, under ARRA funding, to perform interconnection-wide analysis of the bulk electric system under various future energy policy options
- Work under the grant lasted 5 years in three parts: Phase 1, Phase 2, and the Gas-Electric Interface Study
- This was a first-of-a-kind study of the EI
- Provided significant planning information to state regulators and policy makers, and a significant educational opportunity through joint studies
Update of Key Initiatives

• Modeling Coordination WG – (MCWG)
  – Formed in January 2021 to provide coordination between EIPC and the Multi-Regional Modeling Working Group (MMWG) to facilitate & enhance the EI modeling building process
  – Granted “Liaison Status” with MMWG
  – Recommendations for enhancements to the MMWG Procedural Manual have been adopted
  – Improvements to the Case Quality Review process are under consideration

• White Paper – “Planning the Grid for a Renewable Future” (Executive Committee)
  – Press Release Issued on October 5, 2021
  – Based on EIPC & Member Regions’ Analyses
  – Compendium of “Lessons Learned”
  – Provides Recommendations for Regulators & Policy Makers
  – Posted on the EIPC website
Key Initiatives (Cont’d)

- Preparation for 2021-2022 Low Inertia Study (FRWG)
  - 2020 Report issued in November – results used in the 2021 NERC LTRA
  - EIPC is pursuing 2020 recommendations for model improvements
    - Governor models; dynamic load models; mitigation of frequency decline
  - Current EIPC study work began in September 2021 with completion scheduled for mid-2022
    - Includes analysis of the potential benefits of inverter-based-resources

- Electric-Gas Initiatives – (EGTF)
  - Monitoring FERC/NERC investigation of the February 2021 cold snap
  - Monitoring NERC Fuel Assurance Guideline effectiveness review
  - Follow-up on NERC Energy Security White Paper
  - Considering the need for new modeling tools
  - Working with Argonne Labs to support planning & operations models
  - Participating in the DOE Near Term Resilience & Reliability Study
Key Initiatives (Cont’d)

- 2021 State-of-the-Grid Report
  - First published in Oct 2018
  - Update underway - to highlight current & future EIPC initiatives
  - Report planned to be issued in December
Questions/Contact Information

• Website:  www.eipconline.com

• E-Mail:  eipc@eipconline.com

• John P. Buechler
  – Executive Director
  – jpbuechler@eipconline.com
  – 631-499-1555