

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
- Contact Information



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

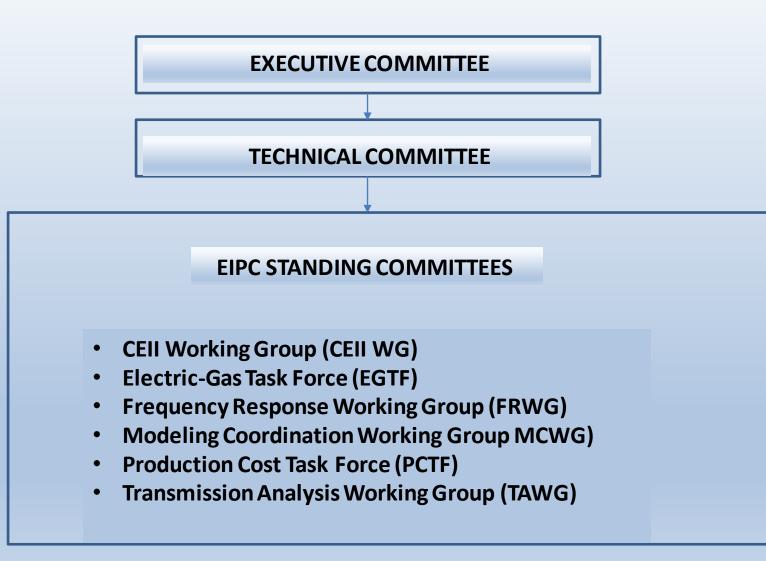


Formation & Structure

- 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-ofits-kind collaborative in the Eastern Interconnection (EI)
- EIPC is a voluntary membership organization of 19 NERCregistered Planning Coordinators which covers over 95% of the EI
- EIPC's members contribute their resources to the work that is jointly undertaken



EIPC Organization



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: <u>www.eipconline.com</u>

• E-Mail: <u>eipc@eipconline.com</u>

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



