



Eastern Interconnection Planning Collaborative

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# **EIPC Formation & Update on Key Initiatives**

**December 2021**

# Outline

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- 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\*

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***“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

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- 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

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- 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

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- 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

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- **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)

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- **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)

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- **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

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- Website: [www.eiponline.com](http://www.eiponline.com)
- E-Mail: [eipc@eiponline.com](mailto:eipc@eiponline.com)
- John P. Buechler
  - Executive Director
  - [jpbuechler@eiponline.com](mailto:jpbuechler@eiponline.com)
  - 631-499-1555

