

# IESO External Gas-Electric Activities

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Two primary activities underway with external groups:

## **1. EIPC Gas-Electric System Interface Study**

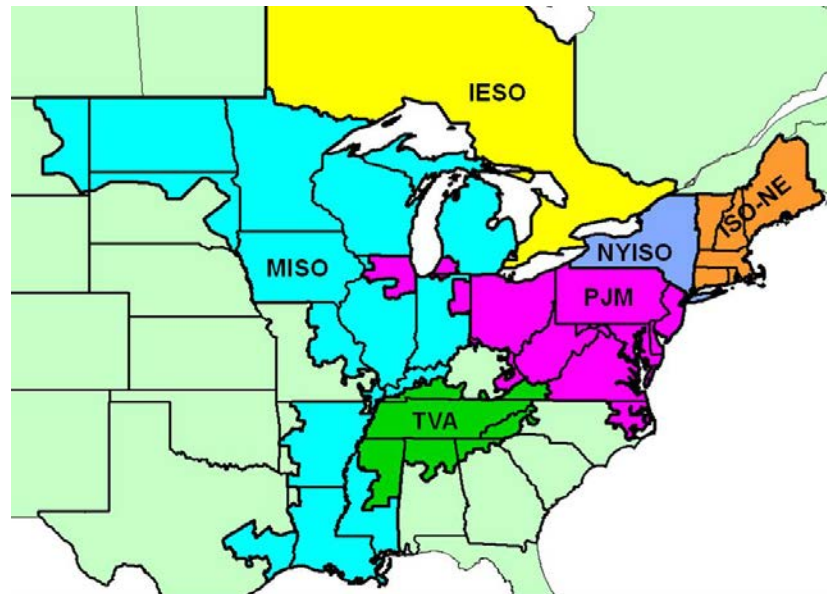
- Eastern Interconnection Planning Collaborative:
  - 6 of 25 participating planning authorities (PPAs)
  - Funding from US Department of Energy (DOE).
- Ontario gas infrastructure is robust, and the level of firm service contracting by generators means low likelihood of constraints 5 and 10 years in the future.
- Project is scheduled for completion June 4, 2015.

## **2. ISO/RTO Council (IRC) Electric Gas Coordination Task Force**

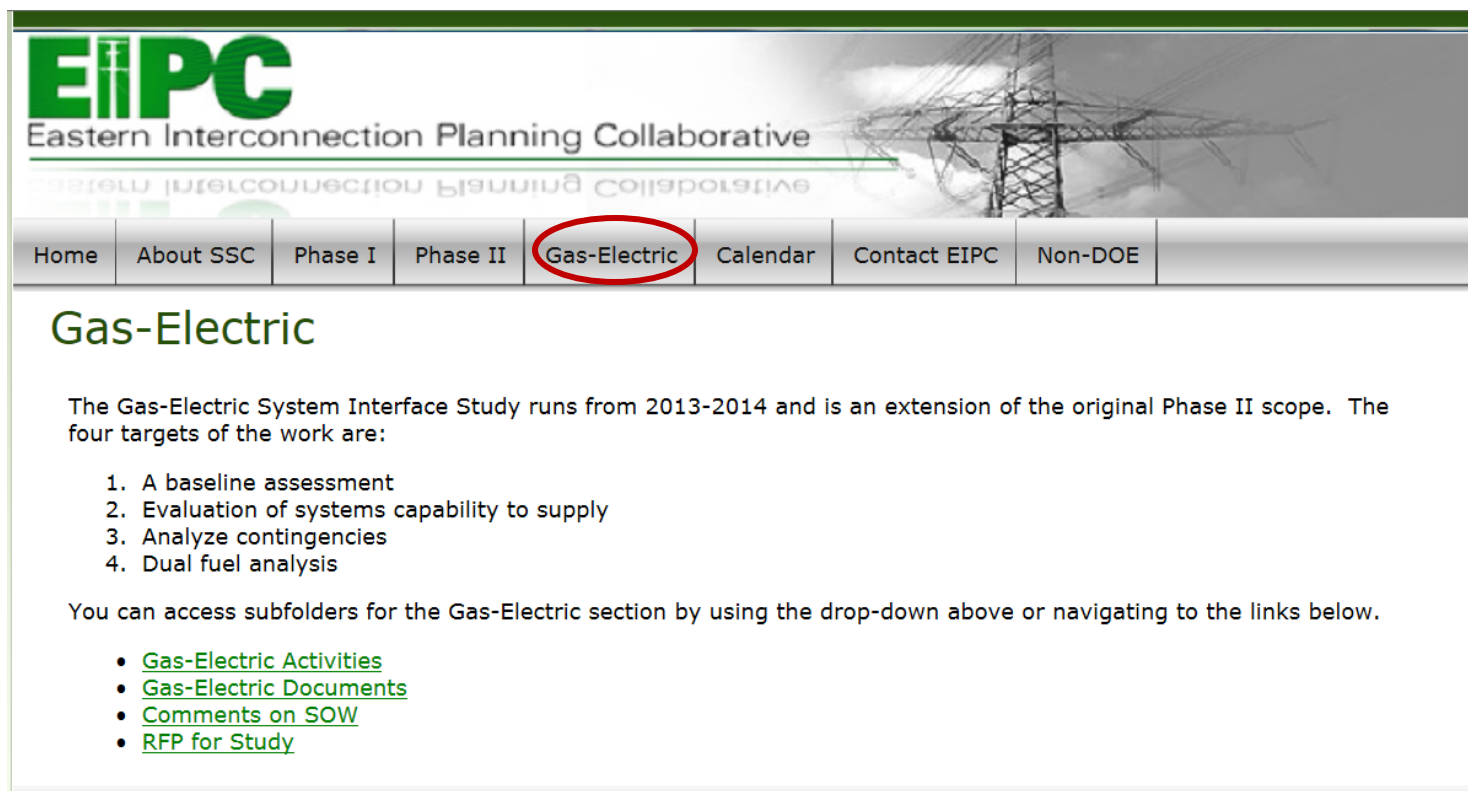
- The activity of most interest is involvement in FERC/NAESB changes to gas market timing in the US.
- The task force supports changes to improve the ability of generators to nominate and receive gas needed to meet electricity market obligations.

- Participating Planning Authorities

- IESO
- ISO-NE
- NYISO
- MISO
- PJM
- TVA



Documents are posted at <http://www.eipconline.com/Gas-Electric.html>.



The screenshot shows the EIPC website interface. At the top left is the EIPC logo (Eastern Interconnection Planning Collaborative) with a background image of power lines. Below the logo is a navigation menu with the following items: Home, About SSC, Phase I, Phase II, Gas-Electric (circled in red), Calendar, Contact EIPC, and Non-DOE. The main content area is titled "Gas-Electric" and contains the following text:

The Gas-Electric System Interface Study runs from 2013-2014 and is an extension of the original Phase II scope. The four targets of the work are:

1. A baseline assessment
2. Evaluation of systems capability to supply
3. Analyze contingencies
4. Dual fuel analysis

You can access subfolders for the Gas-Electric section by using the drop-down above or navigating to the links below.

- [Gas-Electric Activities](#)
- [Gas-Electric Documents](#)
- [Comments on SOW](#)
- [RFP for Study](#)

# Gas-Electric Interface Study Targets

- **Target 1:** Baseline the existing natural gas-electric system interfaces.  
**Complete and Posted**
- **Target 2:** Evaluate the capability of the natural gas systems to satisfy the needs of the electric systems in 2018 and 2023.  
**Under DOE Review for CEII/Confidential Information**
- **Target 3:** Identify natural gas system contingencies that could impact electric system reliability, and vice versa.  
**In-Progress: Draft results in early 2015**
- **Target 4:** Review the operational / planning issues affecting the availability of dual fuel capable generation, including fuel assurance objectives. Also examine issues that might affect the feasibility of selecting dual fuel versus gas system expansion.  
**Draft to DOE December 5, 2014, following November stakeholder review**

- First meeting was held in November 2013.
- Formed for the purpose of providing best practices review as relevant to gas adequacy assurance for improved electric transmission reliability across the 9 ISOs/RTOs (2 Canada, 7 US).
- Scope:
  - Communications
  - Coordination of infrastructure changes
  - Responses to FERC initiatives (NOPRs, orders)
  - Coordination of gas schedules
  - Seasonal assessments
  - Long-term studies
  - Planning
  - Market design
  - Reliability criteria
- FERC NOPR → activities with INGAA, NGA, and NAESB

# Proposed Gas Nomination Changes

	Current NAESB Standard		FERC NOPR		NAESB WGQ response	
	Deadline	Gas Flow	Deadline	Gas Flow	Deadline	Gas Flow
Gas Day	-	09:00	-	04:00	-	09:00
Timely Nomination	11:30	09:00	13:00	04:00	13:00	04:00
Evening Day-Ahead	18:00	09:00	18:00	04:00	18:00	04:00
Intraday 1	10:00	17:00	08:00	12:00	10:00	14:00
Intraday 2	17:00	21:00	10:30	16:00	14:30	18:00
Intraday 3	-	-	16:00	19:00	19:00	22:00
Intraday 4	-	-	19:00	21:00	-	-

All times are Central Time.

Thank You