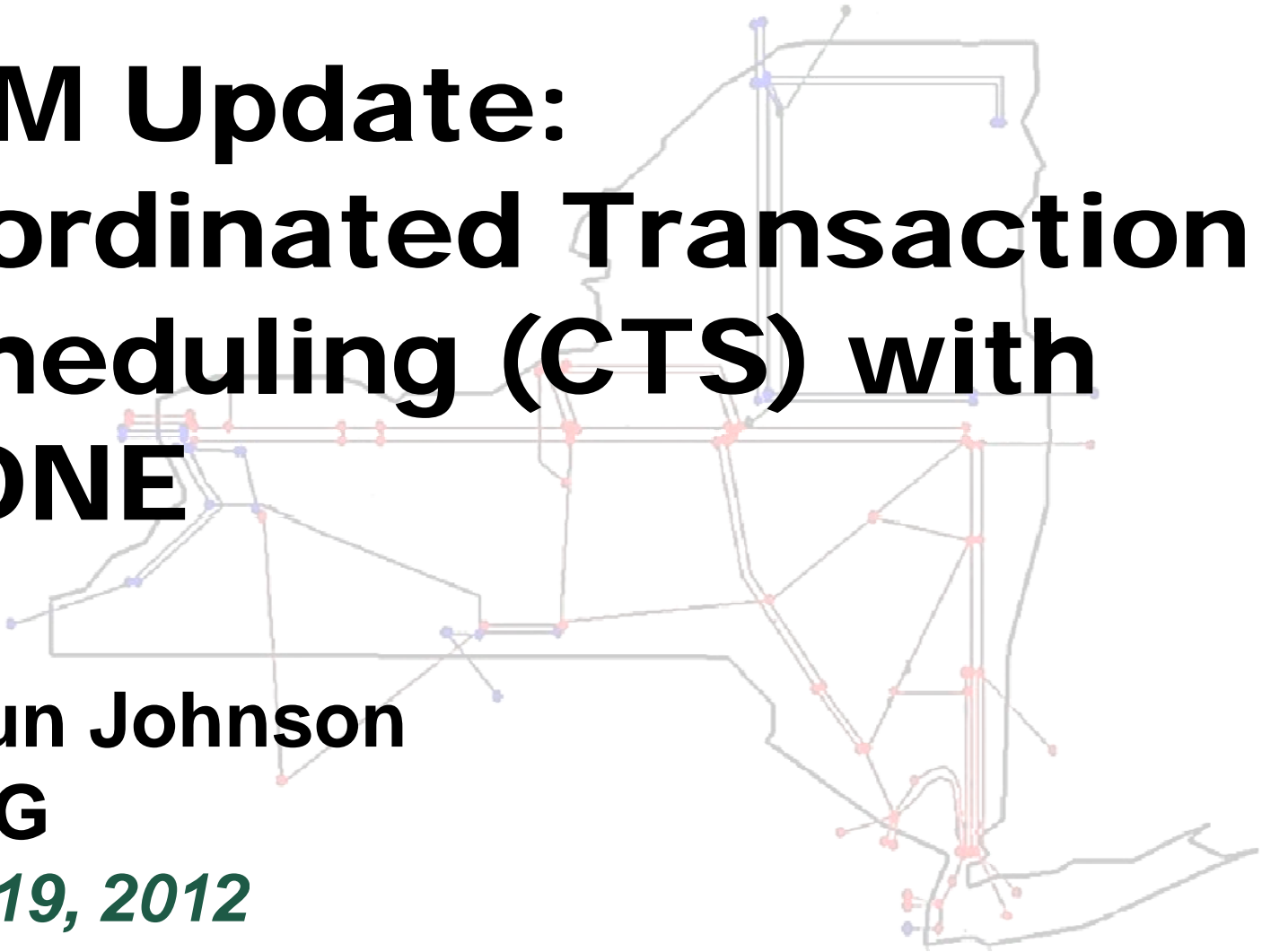


BRM Update: Coordinated Transaction Scheduling (CTS) with ISONE

A faint background map of New York State is overlaid with a complex network of lines and dots representing a power grid. The lines are thin and grey, connecting various nodes. The nodes are represented by small dots in blue, red, and purple, scattered across the state's outline.

Shaun Johnson
MIWG

July 19, 2012

Background

- ◆ **Many practical concerns with the existing scheduling system and resulting efficiency:**
 - *Myriad of rules and costs – that differ between ISO-NE and NYISO*
 - *Cumbersome – ISOs require everything twice (once for each ISO)*
 - *Independent market clearing – Each ISO makes scheduling decision solely on its evaluation*
 - *Inflexibility – rigid schedules can't match fast-changing LBMPs*

CTS Concept

- ◆ **Objective: Improve interchange scheduling efficiency**
- ◆ **How does CTS achieve this objective:**
 - *More frequent scheduling; 15-minute*
 - *Coordinated real-time market clearing between markets*
 - Day-Ahead scheduling unchanged
 - *Eliminate cross-border fees*

Where are we?

- ◆ **FERC approved CTS filings for NY & NE in April 2012**
- ◆ **Joint requirements gathering is underway, targeting completion by end of 2012**
 - *Communication protocols*
 - *Operations protocols*
 - *Shared dependencies*

Introducing JESS

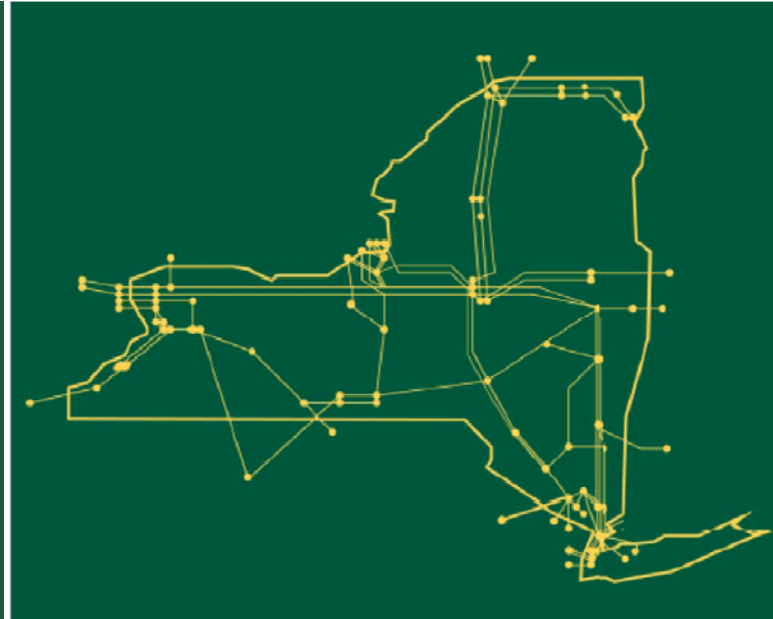
- ◆ **One of the main features of CTS will be the introduction of the Joint Energy Scheduling System (JESS).**
- ◆ **This will be a single source bidding system for Real Time transactions that cross the NY/NE border.**
 - *MPs will not have to submit bids in both control areas as they do today*
 - *The single bid will be used by NY and ISONE*
 - *Many more details to come*

What is next?

- ◆ **Two phase software implementation**
 - *Phase 1 (Internal System Build-Out)*
 - Establishing the architecture and infrastructure needed for the new technologies required for activation
 - *Phase 2 (activation)*
- ◆ **NY credit rules for CTS transactions to be discussed in early 2013 with stakeholders**

Questions?

The New York Independent System Operator (NYISO) is a not-for-profit corporation responsible for operating the state's bulk electricity grid, administering New York's competitive wholesale electricity markets, conducting comprehensive long-term planning for the state's electric power system, and advancing the technological infrastructure of the electric system serving the Empire State.



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