

Congestion Assessment and Resource Integration Study - CARIS

A detailed transmission network map of New York State is overlaid on the slide. The map shows a complex web of power lines connecting various nodes across the state. The nodes are represented by small colored circles in purple, red, and blue. The lines are thin and grey, forming a dense grid in the western and central parts of the state, with more sparse connections in the eastern and southern regions.

*System and Resource Planning
New York Independent System Operator*

*September, 2010
Rensselaer, NY*

NYISO CARIS Process

- ◆ The NYISO planning process has been expanded to include the recently developed economic planning process called Congestion Assessment and Resource Integration Study (CARIS)
- ◆ CARIS consists of two phases:
 - ***Phase 1 Objectives***
 - Analyze 5-year historic and 10-year projected congestion on the NYCA bulk power system
 - Identify the top three congested constraints
 - Evaluate generic solutions to mitigate the identified congestion
 - Analyze the potential costs and benefits of relieving the identified congestion

NYISO CARIS Process cont'd

■ **Phase 2 Objectives**

- Evaluate Specific Transmission Project Proposals Seeking Regulated Cost Recovery Through the NYISO's Open Access Transmission Tariff
 - *Benefit/Cost Analysis to determine eligible projects*
 - *Developer & ESPWG Scenarios*
 - *Identify load zones and LSEs that benefit*
 - Determine voting weights for beneficiary LSEs
 - Voting weights only disclosed to each LSE
- Facilitate the LSE Beneficiary Vote for Eligible Economic Transmission Projects
 - *80% Supermajority Required for Cost Recovery*

LSEs Roles and Responsibilities

◆ **NYISO Informational Meetings**

- *In order to better inform the LSEs about the CARIS voting process and the results of the proposed project's analyses, the NYISO will organize an initial public information forum and, for any projects found to be economically beneficial, an additional ESPWG meeting for LSEs.*

◆ **Submit to the NYISO your Bilateral Contract Data**

- *For LSEs identified as potential beneficiaries*
- *For detailed information on what Bilateral Contract Data must be submitted, see Attachment Y, Section 31.4.3.4.2.5 (former Section 15.4.b (v)) of the OATT at:
http://www.nyiso.com/public/webdocs/documents/tariffs/oatt/oatt_attachments/att_y.pdf*

◆ **Submit to the NYISO the Voting Entity Designation**

- *A written statement is required to identify the entity that will cast your vote*
- *An LSE may elect to be represented by its billing organization to cast the vote*
- *Whether the LSE/Billing org. will attend the voting meeting in person or by telephone to cast the vote*

◆ **Vote on a project**

- *Votes will be held at a special voting meeting*
- *LSEs casting "No" votes must submit to the NYISO, within 30 days of the vote, a written statement detailing the rationale for the negative vote*
- *For more detail on the voting process, see the Voting Procedure for Regulated Economic Transmission Projects, Section 1.2.5 of the Initial CARIS Manual at:
[http://www.nyiso.com/public/webdocs/services/planning/initial_caris_manual_bic_approved/Initial CARIS Manual.pdf](http://www.nyiso.com/public/webdocs/services/planning/initial_caris_manual_bic_approved/Initial_CARIS_Manual.pdf)*

Next Steps

- ◆ NYISO is working with ESPWG to develop scenarios for the Specific Transmission Project Proposal to install 4 PARs to address Leeds-Pleasant Valley congestion
http://www.nyiso.com/public/webdocs/committees/bic_espwg/meeting_materials/2010-08-11/CARIS_Submittal_Public_Version_7_6_10.pdf
- ◆ CARIS Planning Process training material will be posted to the NYISO website
- ◆ NYISO will organize a Public Information Forum
- ◆ NYISO will send a request to LSEs for their Bilateral Data
- ◆ Special ESPWG meeting with LSEs
- ◆ NYISO will continue outreach to NYCA LSEs

For Additional Information

- ◆ **Contact:**

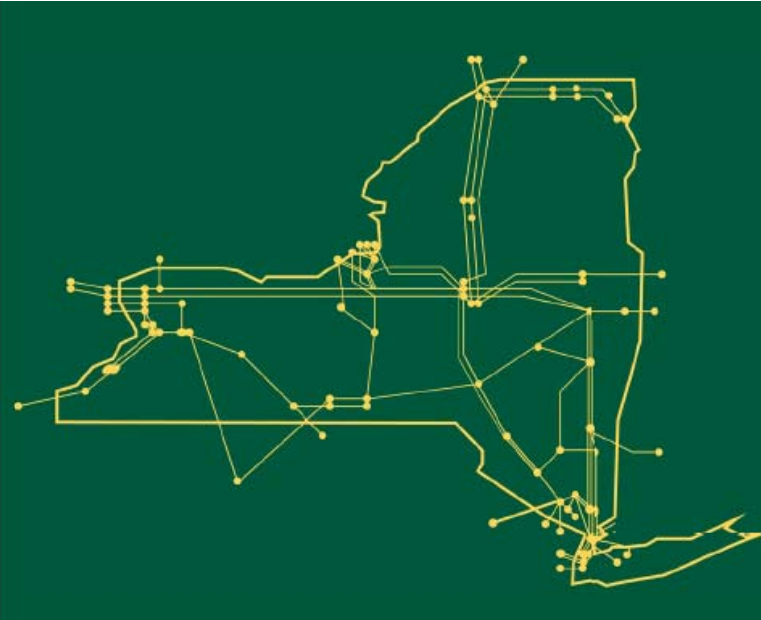
*Customer Relations, 518-356-6060,
market_services@nyiso.com*

Or

- ◆ **Visit CARIS website:**

http://www.nyiso.com/public/markets_operations/services/planning/planning_studies/index.jsp

The New York Independent System Operator (NYISO) is a not-for-profit corporation that began operations in 1999. The NYISO operates New York's bulk electricity grid, administers the state's wholesale electricity markets, and conducts comprehensive planning for the state's bulk electricity system.



www.nyiso.com