

CARIS Phase 2 Project Status

Branka Brlosic-Nirenberg

Long Term Planning
New York Independent System Operator

ESPWG

Rensselaer, NY December 15, 2010



CARIS Phase 2 Status

- Leeds/Athens PARS Project Status
- CARIS Phase 2 Database Status
- Current CARIS Phase 2 Activities
- Next Steps



Leeds/Athens PARS Project Status

- Study Agreement
 - Phase 2 Project Benefit/Cost Study Agreement has been signed with LS Power on November 23, 2010
 - Study will be conducted and results delivered to the developer in two steps:
 - Step 1
 - Base case and Change case b/c study results, including the additional metrics
 - Beneficiary determination results
 - Step 2
 - Scenario Base case and Change case b/c study results, including the additional metrics



CARIS Phase 2 Database Status

- Phase 2 Database extended, updated, and modeling enhancements implemented
- NYISO and GE review of Phase 2 Database
 - Input files NYISO CARIS Master input file and GT input file for MAPS simulation to verify modeling assumptions and
 program settings, such as operational constraints and
 nomograms, losses and spinning reserves
 - Output files Mainmaps file
 - Possible warnings in Premaps, GT, and Mainmaps files
 - Whether syntax errors appear in the input data
 - High-level data validation heat rates, VOM, startup costs, installed reserve margins, etc
 - Post-process tool, developed in house, to extract standard CARIS metrics



Current CARIS Phase 2 Activities

- Leeds/Athens PARS power flow analysis being conducted by the NYISO
- CARIS Phase 2 Base Case being run
 - GE MAPS cost simulation tool being utilized
- Bilateral Contracts Data requested and received
- Two informational/training sessions conducted for LSEs

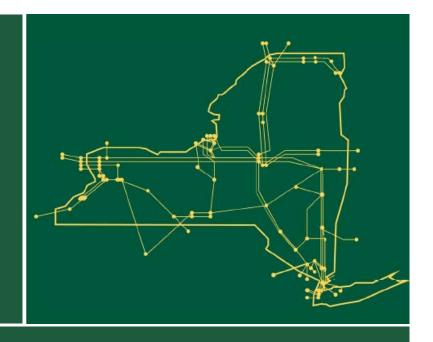


Next Steps

- Base case results expected to be delivered to developer in January 2011
- Scenario results expected to be delivered to developer in February 2011
- Review of results in February/March 2011



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