

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

Draft- For Discussion Only

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*

Draft- For Discussion Only

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

Draft- For Discussion Only

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

Draft- For Discussion Only

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