JPB COMMENTS 6/14/03

Electric System Planning WG

06/13/03

-Variables for consideration in the development of planning scenarios:

- -Load forecast
  - -Economic drivers
- -Fuel
  - -prices
  - -availability of supply
- -New Resources
  - -supply
  - - transmission (both regulated and merchant)
  - - demand response
  - -
- -Retirements
  - -Generation
  - -Transmission
  - -Termination of demand response programs

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- -Availability
  - -Generation
  - -Transmission (to the extent data exists)

-**Modelling Input Assumptions/Issues**

- -Assumptions of levels of imports and exports
- -Representation of neighboring systems
- -Modelling of export charges between CAs
- -Contingency representation
- -Modeling of unit bidding costs
  - -Fuel
  - -O & M
  - -Emissions
- -Demand Response Modeling
  - -Load Modifiers
  - -Price responsive
  - -Emergency response
  - -Energy efficiency programs

[JPB NOTE: Lets list other input assumptions as well]

-**Other Issues** (Either Input Assumptions or subjects for separate analysis)

- -Renewable Portfolio Standards
- -Environmental standards for emissions
- -Changes in network definition
  - -Facilities Modelled in NYISO planning studies
  - -Input from TO's local system studies
  - -Potential impact on LBMPs

-Criteria for inclusion of future resources

- -Supply
  - -Status of licensing/permits
    - -Units subject to Article 10
    - -Units subject to SEQRA
  - -SRIS Status
  - -Financial viability
  - -Construction status
  - -Status of interconnection agreements

- -Transmission
  - -Status of licensing/permits
    - -Article 7
    - -Phase 3 process
    - -Army Corps of Engineers
    - -Right of Way acquisition
  - -Financial viability
  - -SRIS Status
  - -Status of TO Funding
  - -Construction Status

- -Demand Response
  - -Financial viability
  - -Metering issues
  - -Program success rates
  - -Environmental Requirements
  - -Permitting Requirements(Are there any?)
  - - (Modelling Issue)
  - - (Modelling Issue)

Desired Outcomes of Initial Phase Planning Process

-Identify Reliability Needs
-Identify where congestion is occurring
-Quantify levels of congestion
-Historical and projected congestion analysis
-Identify key factors impacting levels of congestion