

# LBMP Web Postings and Report Changes – Controllable Tie Lines Project

## Proposed Solutions

January 26, 2005

# Overview

**With the introduction of multiple Proxy Buses in a single Control Area, the concept of Zonal LBMPs is obsolete.**

- **Based on this, the NYISO had proposed removing all External Proxy Bus data from both the Zonal and Generator LBMP reports/postings and creating New External LBMP reports/postings.**
- **Some concerns were raised at January's SPWG committee meeting as to the possible impact(s) this may have to the MPs and alternatives were suggested.**

**The subsequent slides identify NYISO's original proposed solution as well as the alternatives suggested.**

**We are looking for the BAWG to assist in determining the most effective solution.**

**Additionally, we would like to make the BAWG aware of a Change in the Balancing Market Advisory Summary Report CSV file format.**

# Original NYISO proposed Solution

**With multiple proxies, External Zonal LBMPs are an obsolete concept.**

- **Web posting/reports will be modified to:**
  - **Remove External Zones (i.e., HQ, PJM, OH and NPX) from Zonal LBMP reports.**
  - **Remove Proxy Generators (i.e., HQ-Chat DC, NE-Sandy Pond, OH-Bruce, PJM-Keystone) from the Generator LBMP postings.**
  - **Create new external Proxy postings/reports, as follows:**
    - ▶ External DAM LBMP (only lists proxy generator lbmp data)
    - ▶ External Real Time LBMP (only lists proxy generator lbmp data)
    - ▶ External HAM LBMP (only lists proxy generator lbmp data)
    - ▶ External Time Weighted/Integrated Real Time LBMP (only lists proxy generator lbmp data)

Note: New postings/reports will include both existing Proxy Bus data (i.e., HQ-Chat DC, NE-Sandy Pond, OH-Bruce, PJM-Keystone) as well as new Proxy Bus data (i.e., CSC, 1385, ect.).

- **The new LBMP report formats (as described in this PowerPoint file) apply to CSV, HTML and PDF files for the DAM, RTC, Real Time and Time Weighted/Integrated Real-Time LBMP Reports.**

# S&P Alternative A proposed Solution

**With multiple proxies, External Zonal LBMPs are an obsolete concept.**

- **Web posting/reports will be modified to:**
  - **For Zonal LBMP reports.**
    - ▶ Leave existing Proxy Bus data (i.e., NPX, HQ, etc), on the report.
    - ▶ Add any new Proxy Bus data to report (i.e., CSC, 1385, etc.).
  - **For Generator LBMP postings.**
    - ▶ Leave existing Proxy Bus data (i.e., Sandy Pond, Chat DC, etc), on postings.
    - ▶ Add any new Proxy Bus data to posting (i.e., CSC, 1385, etc.).
  - **Do not create new external Proxy postings/reports for External Proxy Buses.**

# S&P Alternative B proposed Solution

**With multiple proxies, External Zonal LBMPs are an obsolete concept.**

- **Web posting/reports will be modified to:**
  - **For Zonal LBMP reports.**
    - ▶ Leave existing Proxy Bus data (i.e., NPX, HQ, etc), on the report.
    - ▶ Do not add any new Proxy Bus data to report (i.e., CSC, 1385, etc.).
  - **For Generator LBMP postings.**
    - ▶ Leave existing Proxy Bus data (i.e., Sandy Pond, Chat DC, etc), on postings.
    - ▶ Add any new Proxy Bus data to posting (i.e., CSC, 1385, etc.).
  - **Do not create new External Proxy postings/reports for External Proxy Buses.**

# S&P Alternative C proposed Solution

**With multiple proxies, External Zonal LBMPs are an obsolete concept.**

- **Web posting/reports will be modified to:**
  - **Do not change existing Zonal LBMP reports.**
    - ▶ Leave existing Proxy Bus data (i.e., NPX, HQ, etc), on the report.
    - ▶ Do not add any new Proxy Bus data to report (i.e., CSC, 1385, etc.).
  - **Do not change existing Generator LBMP postings.**
    - ▶ Leave existing Proxy Bus data (i.e., Sandy Pond, Chat DC, etc), on postings.
    - ▶ Do not add any new Proxy Bus data to posting (i.e., CSC, 1385, etc.).
  - **Create new external Proxy postings/reports for any new External Proxy Buses (i.e., CSC, 1385, etc), as follows:**
    - ▶ External DAM LBMP (only lists proxy generator lbmp data)
    - ▶ External Real Time LBMP Web posting/reports will be modified to:
      - ▶ (only lists proxy generator lbmp data)
    - ▶ External HAM LBMP (only lists proxy generator lbmp data)
    - ▶ External Time Weighted/Integrated Real Time LBMP (only lists proxy generator lbmp data)

# Balancing Market Advisory Summary Report Changes

## Functional Changes

- **Posting currently contains DNI (net import/export) data displayed by External Control Area**
- **Posting will need to be able to display DNI data by proxy**
- **Posting currently displays NYCA summary of Import and Export data**
- **Posting will need to be able to display gross import and export data by External Control Area and by proxy**

# Balancing Market Advisory Summary Report Changes (continued)

Balancing Market Advisory Summary CSV Column Layout - (new column names are in **red**)

Start Time, End Time, Internal Bilaterals, Generation Capacity Bid,  
Generation Scheduled, Imports Bid, Imports Scheduled, Exports Bid, Exports Scheduled, Wheel  
throughs Bid, Wheel Throughs Scheduled,

**Gross Imports HQ, Gross Imports NPX, Gross Imports OH, Gross Imports PJM,  
Gross Imports NYISO, Gross Exports HQ, Gross Exports NPX, Gross Exports OH,  
Gross Exports PJM, Gross Exports NYISO,**

Net Imports, DNI HQ, DNI\_NPX, DNI\_OH, DNI\_PJM, DNI\_NYISO, DNI\_DELTA,

**HQ Proxy Import {First Proxy Name}, ... , HQ Proxy Import {Last Proxy Name},  
NPX Proxy Import {First Proxy Name}, ... , NPX Proxy Import {Last Proxy Name},  
OH Proxy Import {First Proxy Name}, ... , OH Proxy Import {Last Proxy Name},  
PJM Proxy Import {First Proxy Name}, ... , PJM Proxy Import {Last Proxy Name},  
HQ Proxy Export {First Proxy Name}, ... , HQ Proxy Export {Last Proxy Name},  
NPX Proxy Export {First Proxy Name}, ... , NPX Proxy Export {Last Proxy Name},  
OH Proxy Export {First Proxy Name}, ... , OH Proxy Export {Last Proxy Name},  
PJM Proxy Export {First Proxy Name}, ... , PJM Proxy Export {Last Proxy Name},  
HQ Proxy DNI {First Proxy Name}, ... , HQ Proxy DNI {Last Proxy Name},  
NPX Proxy DNI {First Proxy Name}, ... , NPX Proxy DNI {Last Proxy Name},  
OH Proxy DNI {First Proxy Name}, ... , OH Proxy DNI {Last Proxy Name},  
PJM Proxy DNI {First Proxy Name}, ... , PJM Proxy DNI {Last Proxy Name}**