



Web-Based Reconciliation (WBR)

Summary of Product Requests And Minimum Requirements

**Reviewed During the
WBR Technical Conference
September 12, 2006**

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1 Overview

During the September 12, 2006 technical conference for Web-Based Reconciliation (WBR), NYISO staff reviewed two primary listings of product requests with conference attendees. These requests were provided by WBR users to NYISO over the last 3+ years.

1.1 Document Purpose

The purpose of this document is to provide a summary of the requests and issues that were discussed during the September 12th technical conference. From the items identified in this document, NYISO will conduct an internal feasibility assessment; the outcome of which will be the scope and plan for addressing these items.

This document does not specifically identify features of WBR that are currently working as designed. NYISO expects to retain all existing WBR functionality - to the extent that it is working as designed, or as it meets the needs of the MPs. As changes or updates are proposed and discussed with the MPs, the current functionality will be noted – with the specific area of change being identified.

1.2 Document Layout

NYISO has begun a process of categorizing the items for easier identification and resolution.

The following categories have been used in this document:

- ❖ Checks and Balances - data verification for MPs
- ❖ Querying – capability to view and update data via the WBR web pages
- ❖ Reporting – capability for MPs to create ad hoc reports using WBR data
- ❖ Issues– items that were part of original WBR delivery that need to be investigated
- ❖ Communication – communication between NYISO and the Market Participants (MP)
- ❖ Maintenance - data cleanup

Additionally, each category has been broken down into two subsections; Minimum Requirements and Additional Requirements.

- ❖ Minimum Requirements: WBR system changes that are necessary for WBR customers to efficiently conduct their business. These requirements will be addressed in context of the shortened settlement cycle as part of the WBR project plan.
- ❖ Additional Requirements: WBR system changes that were not part of the original WBR system scope, or are requirements that, if not fulfilled, will not hinder the MPs from conducting their business. These items will be assessed and addressed in the WBR project plan, pending the availability of budget dollars and resources.

2 WBR Overview of Templates and Reports

2.1 Upload Templates

The following listing identifies the WBR Upload templates for hourly MWh data

- TIE_GEN_SUBZONE_DATA – includes tie, Generator and subzone data
- LOAD_BUS_HOUR_DATA - includes load bus data
- METER_AUTHORITY_AGREEMENT – allows Meter Authority (MA) to confirm subzone load calculation

2.2 Download Templates

The following listing identifies the WBR Download templates:

- TIE_GEN_SUBZONE_DETAIL - includes tie, Generator and subzone hourly MWh data
- LOAD_BUS_HOUR_DETAIL - - includes load bus data
- SUBZONE_LOAD – includes subzone load and losses
- WHOLESALE VERIFICATION – includes wholesale load data
- INVOICE_HIST – includes invoice history data

2.3 Reports

The following listing identifies the WBR Reports available on the Web:

- Calculated Subzone Load – subzone load data for a specified month for all subzones by Transmission Owner (TO)
- Subzone Load Detail - subzone load inputs
- Gen/Tie Detail – individual Generator and tie detail
- Wholesale Load Bus Detail – provides bus level MWHR data
- Subzone Load Verification – allows TO to verify subzone load calculation

3 Checks and Balances

3.1 Minimum Requirements

- A. Provide a detailed response message indicating the success or failure of the WBR upload requests, essentially verifying the data has been transmitted from the MP's machine to the NYISO's machine (refer to section 2.1)
- B. Provide improved response time for upload requests, as defined by the WBR requirements effort (refer to section 2.1)
- C. Provide improved response time for download requests, as defined by the WBR requirements effort (refer to section 2.2)
- D. Reduce the occurrence of timeout errors received during the transmission of a Transmission Owner Load (TOL) file via the load_bus_hour_data upload request
- E. Reduce the occurrence of security errors received during the transmission of a TOL file via the load_bus_hour_data upload request
- F. Improve WBR's downloading capabilities by providing the ability to retrieve large quantities of data at one time without encountering errors
- G. Provide the MPs with auditable, traceable and verifiable data controls to support compliance verification and testing. *Note: NYISO will work with the MPs to define the data control requirements*
- H. Provide access to tie, Generator or load data for periods prior to a change of MA ownership. *Note: this item was moved from the Reporting section*
- I. Provide authorized parties the ability to view individual Gen/Tie data regardless of the Metering Authority (MA) designation. *Note: this item was moved from the Reporting section*
- J. Provide authorized parties the ability to download individual Gen/Tie data regardless of the MA designation. *Note: this item was moved from the Reporting section*
- K. Provide a monthly summary TOL report for MAs, by LSE and sub-zone. *Note: this item was moved from the Reporting section*
- L. Provide a WBR project based test environment for WBR users, to verify the quality and performance of NYISO WBR system enhancements and MP connectivity with NYISO, prior to deployment to production. *Note: this item was moved from the Enhancement section*
- M. Provide WBR users with the NYISO individually calculated components used in the subzone load calculation, by PTID. Include the totals for generator, interchange and losses.

3.2 Additional Requirements

- N. Ensure meter, generator and tie data submitted via uploads are within tolerance. *Note: NYISO will work with the MPs to define 'tolerance'*

- O. Provide the ability for meter, generator or tie data to be unlocked by 'PTID and time period', instead of unlocking the data for a given day
- P. Provide history of each meter, generator or tie data change by PTID. The history would include who made the change, when the change was made, the original value of the data, and the updated value of the data. The history would include all modifications made to the data regardless of invoicing version.
- Q. Provide XML wrapper for Oracle errors returned by upload templates

4 Querying

4.1 Minimum Requirements

- A. Provide users with the ability to select "All" or a combination of items contained in the drop down lists on all report types (refer to section 2.3)
- B. Provide report capability to view data when requested period spans more than one day
- C. Query parameters on a WBR report should be retained when the user selects the browser's back button
- D. Provide a MA lockout report by billing month, indicating the time period available for updates

4.2 Additional Requirements

- E. Enable search by PTID or Generator Name for the Gen/Tie Detail Report
- F. Reformat the WBR Results reports:
 - a. Subzone Load Detail Results Page: Move the Date/Time field to the left of the PTID column
 - b. Subzone Load Detail Results Page: Separate the results by Generators, Tie lines, DRP (Gens)
 - c. Gens/Ties Hourly Load Detail Results Page: Move the Date/Time field to the left of the PTID column
 - d. Gens/Ties Hourly Load Detail Results Page: Provide daily totals for requested gens/ties regardless of number of hours requested in report query
 - e. Wholesale Load Bus Detail Results Page: Move the Date/Time field to the left of the PTID column

5 Reporting

5.1 Minimum Requirements

N/A

5.2 Additional Requirements

A. Provide download data in CSV and XML format (refer to section 2.3)

B. Provide MPs with a means for creating and executing customized queries of tie, generator and metering data

6 Issues

6.1 Minimum Requirements

A. Improve performance to enable the upload and NYISO-generated verification of an entire monthly TOL file without having to split the file into smaller pieces. *Note: NYISO will work with the MPs to define system capabilities*

6.2 Additional Requirements

N/A

7 Communication

7.1 Minimum Requirements

A. Provide affected MPs with notification of tie or Generator changes made during the review and correction periods

B. Provide affected MPs with notification when their tie and Generator data is locked and ready for TOL calculation

C. Provide WBR outage notification to MPs

7.2 Additional Requirements

N/A

8 Maintenance

8.1 Minimum Requirements

N/A

8.2 Additional Requirements

- A. Improve performance of WBR by removing zeros from results reports from inactive PTIDs
- B. Improve performance of WBR by removing inactive Generator and tie PTIDs