

# *Web-Based Reconciliation User's Guide*

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This document was prepared by:  
*NYISO Customer Support*

New York Independent System Operator  
3890 Carman Rd  
Schenectady, NY 12303  
(518) 356-6060  
[www.nyiso.com](http://www.nyiso.com)

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## Revision History

Revision	Date	Changes
3.0	9/7/06	<p><b>Global Changes</b></p> <ul style="list-style-type: none"> <li>■ Formatting, grammar, and syntax edits.</li> <li>■ Updated web links.</li> <li>■ Changed all screenshots throughout the document to reflect the new MIS web site format.</li> <li>■ Re-sectioned entire document.</li> </ul> <p><b>Section 1</b></p> <ul style="list-style-type: none"> <li>■ Deleted second sentence – “Upon deployment of these applications, the NYISO will no longer support the use of FTP, monthly adjustment (XX), or ICCP files.”</li> </ul> <p><b>Section 2</b></p> <ul style="list-style-type: none"> <li>■ Added text and reference to updated TB 112- Web-Based Reconciliation Queries.</li> </ul> <p><b>Section 3 - Calculated Subzone Load Query Page</b></p> <ul style="list-style-type: none"> <li>■ Deleted second sentence from second para – “If no PTID is selected, then all PTIDs that the user has access to will be provided for the date and times entered.”</li> </ul> <p><b>Section 3 - Subzone Load Query Page</b></p> <ul style="list-style-type: none"> <li>■ Added to first sentence from first para – “and a specific date, or for a specified range of dates.”</li> </ul> <p><b>Section 3 - User Detail Information</b></p> <ul style="list-style-type: none"> <li>■ Added to last sentence from first para – “The Organization Detail...”</li> </ul> <p><b>Section 4</b></p> <ul style="list-style-type: none"> <li>■ Renumbered and renamed screenshots.</li> </ul> <p><b>Section 5 (new)</b></p> <ul style="list-style-type: none"> <li>■ Added text and reference to TB 120- Reporting, Viewing, and Updating Station Power Data through Web-Based Reconciliation.</li> </ul> <p><b>Section 6</b></p> <ul style="list-style-type: none"> <li>■ Deleted last sentence, fourth para “An account that works on one will allow same features as the other.”</li> <li>■ Defined the term “Meter Authority Administrator”</li> </ul>
2.0	2/05	<ul style="list-style-type: none"> <li>■ Included references to TB 64-Changing from Daylight Savings to Standard Time and TB 88-Changing from Eastern Standard Time to Daylight Savings Time.</li> <li>■ Under Download template for tie line, generator, and subzone data on page 1-6 added new second paragraph – “Generators or metering authorities downloading tie line, generator, and subzone hourly MW data for grouped units should note that the data returned in an output file will appear ordered first, by PTID and, secondly, by the PTIDs associated with grouped units.”</li> <li>■ Under Gen/Tie Load Detail Query page on page 2-6 added new second paragraph – “Generators or metering authorities creating queries for tie line, generator, and subzone hourly MW data for grouped units should note that the data returned from such query to a web page will appear ordered first by, PTID and, secondly, by the PTIDs associated with grouped units.”</li> <li>■ Added new heading for page 2-7 "Subzone Load Verification Query page"</li> <li>■ Added new heading for page 2-9 "Wholesale Bus Load Detail Query page"</li> </ul>
1.0	11/18/03	Initial Release.

# 1. INTRODUCTION

The MIS web-enabled applications described in this User's Guide support upload and download query functions related to hourly tie line, generation, subzone, and load bus data. This User's Guide assumes prior knowledge in using the NYISO MIS and the MIS upload/download batch procedures. For information on the NYISO MIS, and the relevant authorization and Digital Certificate requirements, please refer to the [NYISO Market Participant User's Guide \(MPUG\)](#). For additional information relating to the upload/download process, please refer to [Section 8 of the MPUG](#).

## 2. USING MIS UPLOAD/DOWNLOAD BATCH PROCEDURES

### Upload template for tie line, generator, and subzone data

The “TIE\_GEN\_SUBZONE\_DATA” upload template enables a meter authority to upload tie line, generator, and subzone hourly MW values to the NYISO MIS for a specific tie line, generator, or subzone PTID, or up to all applicable PTIDs assigned to that meter authority.

Data submitted via the TIE\_GEN\_SUBZONE\_DATA upload template is always preceded by a header that defines the “Bid Type” (TIE\_GEN\_SUBZONE\_DATA), the user’s ID, the user’s password, and the number of rows of data. An ampersand (&) defines the end of each entry field of the header, and data entered may not exceed 3 decimal places.

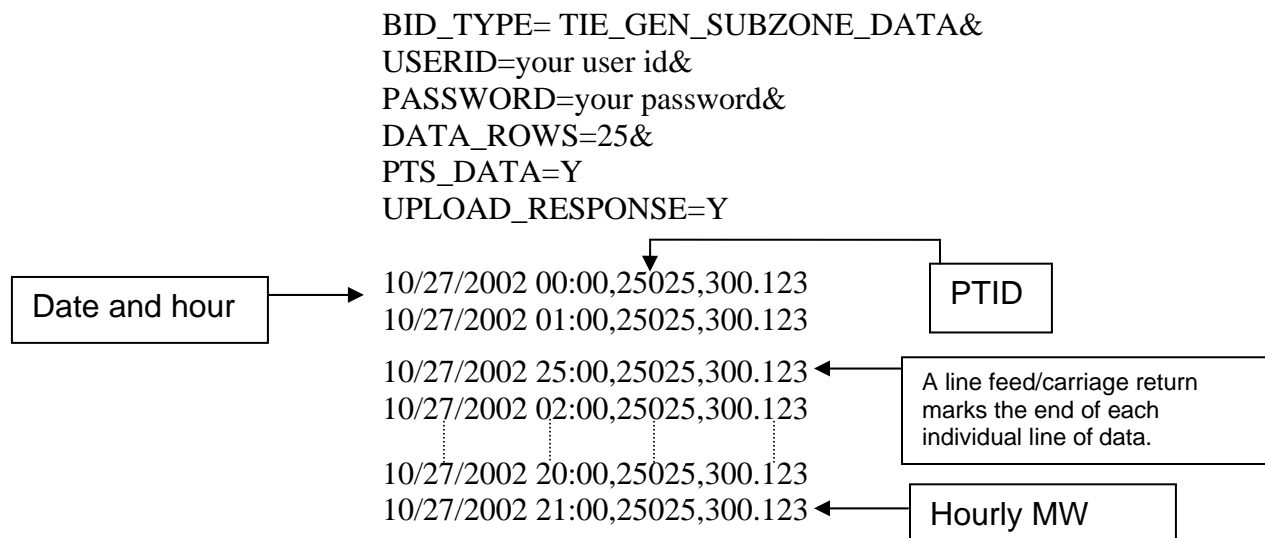
Data Dictionary for the BID\_TYPE = TIE\_GEN\_SUBZONE\_DATA upload template:

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
BID_TYPE	TIE_GEN_SUBZONE_DATA	Y

Parameter	Data Type	Description
Date_Hour	MM/DD/YYYY HH24:MM	Date parameter can be defined as the specific day. Included in the upload per PTID would be 23, 24, or 25 hourly values <sup>1</sup> . All hours are identified as hour beginning (HB) in 24-hour time. Times are local (New York) time.
TIE/GEN PTID	NUM (6,0)	Unique integer identifier defined by NYISO
Hourly MW Value	NUMBER (20,3)	Hourly MW value reported by the meter authority for each PTID

For example, hourly MW values submitted for HB 00 through HB 23 of October 27, 2002 for PTID 25025 would look like this:



<sup>1</sup> For additional information concerning the treatment of 23 and 25- hour days, please refer to NYISO Technical Bulletins [# 64](#) (25-hour day) and [# 88](#) (23-hour day).

Please note that the PTS\_DATA and the UPLOAD\_RESPONSE parameters are optional, and can be omitted. A line feed/carriage return marks the end of each line of upload data.

Following successful submission of "TIE\_GEN\_SUBZONE\_DATA", the NYISO will respond with a three-record header that includes a time stamp, confirmation of the bid type (TIE\_GEN\_SUBZONE\_DATA), and the number of data rows processed. The data will be returned in the following format:

*Date & Hour, Billing Date, Version, MA (Metering Authority), PTID, Name of PTID, Metering Authority Hourly MW Value, NYISO Hourly MW Value, Metering Authority Hourly Meter Update Date and Hour, Update User, Billed Flag*

For example:

TIME\_STAMP=10/28/2002 08:41:37  
 BID\_TYPE= TIE\_GEN\_SUBZONE\_DATA  
 DATA\_ROWS=25

"10/27/2002 00:00","","XYZ Company",12345,"ABC",124.23,125.24,"12/15/2002 14:31","scotto","N"  
 "10/27/2002 01:00","","XYZ Company",12345,"ABC",124.381,125.315,"12/15/2002 14:31","scotto","N"  
 "10/27/2002 25:00","","XYZ Company",12345,"ABC",125,125.42,"12/15/2002 14:31","scotto","N"  
 "10/27/2002 02:00","","XYZ Company",12345,"ABC",125,125.42,"12/15/2002 14:31","scotto","N"  
 "10/27/2002 03:00","","XYZ Company",12345,"ABC",125.17,125.6, .....

## Download template for tie line, generator, and subzone data

The "TIE\_GEN\_SUBZONE\_DETAIL" download template enables a generator or meter authority to download their tie line, generator, and subzone hourly MW data for a specified period of time within a month. The user can enter a single tie line, generator, or subzone PTID, or select up to 10 PTIDs at one time. If the PTID field is left blank, then every PTID associated with the meter authority will be included in the output file. If the user is requesting data for a specific time period within a month, the user should enter the specific month in the BILLING\_MONTH field and use the START\_DATE and END\_DATE parameters to specify the time period.

Generators or metering authorities downloading tie line, generator, and subzone hourly MW data for grouped units should note that the data returned in an output file will appear ordered first, by PTID and, secondly, by the PTIDs associated with grouped units.

Data Dictionary for the TIE\_GEN\_SUBZONE\_DETAIL download template:

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	TIE_GEN_SUBZONE_DETAIL	Y
BILLING_MONTH	MM/YYYY or MM/DD/YYYY	Y
PTID	PTID exactly as shown in MIS	N
SUBZONE_PTID	Subzone PTID exactly as shown in MIS	N
START_DATE	MM/DD/YYYY HH24:MM	N



Variable Name	Value	Mandatory
END_DATE	MM/DD/YYYY HH24:MM	N
VERSION	Version number	N
ADVISORY_DATA	Y for advisory billed data only, N for most current data	N
UPDATE_TIME_START	MM/DD/YYYY HH24:MM	N
UPDATE_TIME_END	MM/DD/YYYY HH24:MM	N
PTS_DATA	Y to include the NYISO Hour MW Value, N to omit it	N

The query to download generator data for generator PTID 12345 for July 04, 2002 would look like this:

```

USERID=your user ID&PASSWORD=your password&
QUERY_TYPE= TIE_GEN_SUBZONE_DETAIL&
BILLING_MONTH=07/2002&PTID=12345&
START_DATE=07/04/2002 00:00&END_DATE=07/05/2002 00:00&

```

The MIS response to the download request for TIE\_GEN\_SUBZONE\_DETAIL will provide the following data in csv (comma-separated value) format:

*Date & Hour, Billing Date, Version, MA (Metering Authority), PTID, Name of PTID, Metering Authority Hourly MW Value, NYISO Hourly MW Value, Metering Authority Hourly Meter Update Date and Hour, Update User, Billed Flag*

The returned data will appear as illustrated below.

```

TIME_STAMP= 07/18/2003 15:50
BID_TYPE= TIE_GEN_SUBZONE_DETAIL
DATA_ROWS=24

```

```

"07/04/2002 00:00","07/04/2002",0,"XYZ Company",12345,"ABC",123.456,123.654,"06/20/2003 08:48","TESTUSER","Y"
"07/04/2002 01:00","07/04/2002",0,"XYZ Company",12345,"ABC",123.456,123.654,"06/20/2003 08:48","TESTUSER","Y"
"07/04/2002 02:00","07/04/2002",0,"XYZ Company",12345,"ABC",123.456,123.654,"06/20/2003 08:48","TESTUSER","Y"
"07/04/2002 03:00","07/04/2002",0,"XYZ Company",12345,"ABC",123.456,123.654,"06/20/2003 08:48","TESTUSER","Y"
"07/04/2002 04:00","07/04/2002",0,"XYZ Company",12345,"ABC",123.456,123.654,"06/20/2003 08:48","TESTUSER","Y"
"07/04/2002 05:00","07/04/2002",0,"XYZ Company",12345,"ABC",123.456,123.654,"06/20/2003 08:48","TESTUSER","Y"
"07/04/2002 06:00","07/04/2002",0,"XYZ Company",12345,"ABC",123.456,123.654,"06/20/2003 08:48","TESTUSER","Y"
"07/04/2002 07:00","07/04/2002",0,"XYZ Company",12345,"ABC",123.456,123.654,"06/20/2003 08:48","TESTUSER","Y"
"07/04/2002 08:00","07/04/2002",0,"XYZ Company",12345,"ABC",123.456,123.654,"06/20/2003 08:48","TESTUSER","Y"
"07/04/2002 09:00","07/04/2002",0,"XYZ Company",12345,"ABC",123.456,123.654,"06/20/2003 08:48","TESTUSER","Y"
"07/04/2002 10:00","07/04/2002",0,"XYZ Company",12345,"ABC",123.456,123.654,"06/20/2003 08:48","TESTUSER","Y"
"07/04/2002 11:00","07/04/2002",0,"XYZ Company",12345,"ABC",123.456,123.654,"06/20/2003 08:48","TESTUSER","Y"
"07/04/2002 12:00","07/04/2002",0,"XYZ Company",12345,"ABC",123.456,123.654,"06/20/2003 08:48","TESTUSER","Y"
"07/04/2002 13:00","07/04/2002",0,"XYZ Company",12345,"ABC",123.456,123.654,.....

```

For multiple PTID queries a comma “,” is used to separate the PTID values with the ampersand (&) following the last PTID number (For example PTID=12345,34567,56789&). To query all PTIDs, omit the PTID field entirely.

For example:

```
USERID=your user ID&PASSWORD=your password&
QUERY_TYPE= TIE_GEN_SUBZONE_DETAIL&
BILLING_MONTH=10/27/2002&
```

To download all data for a specific subzone, enter the subzone PTID in the SUBZONE\_PTID field.

For example:

```
USERID=your user ID&PASSWORD=your password&
QUERY_TYPE= TIE_GEN_SUBZONE_DETAIL&
BILLING_MONTH=10/27/2002&SUBZONE_PTID=54321&
```

If the applicable meter authority reports no hourly MW value for a particular PTID, then the *Metering Authority Hourly Value* field will be left blank.

## Upload template for load bus data

The LOAD\_BUS\_HOUR\_DATA upload template enables a meter authority to upload its applicable load bus data. The user can upload a single BUS PTID, or up to all applicable BUS PTIDs for all hours of a single day. If the MW value for a load bus is zero for a given hour, then the user must enter a zero in the field. The field should not be left blank and the data entered may not exceed 3 decimal places. The LOAD\_BUS\_HOUR\_DATA replaces the data previously identified as TOL, and hourly load bus data.

Data submitted via the LOAD\_BUS\_HOUR\_DATA upload template is always preceded by a header that defines the “Bid Type” (LOAD\_BUS\_HOUR\_DATA), the user’s ID, the user’s password, and the number of rows of data. An ampersand (&) defines the end of each entry field of the header.

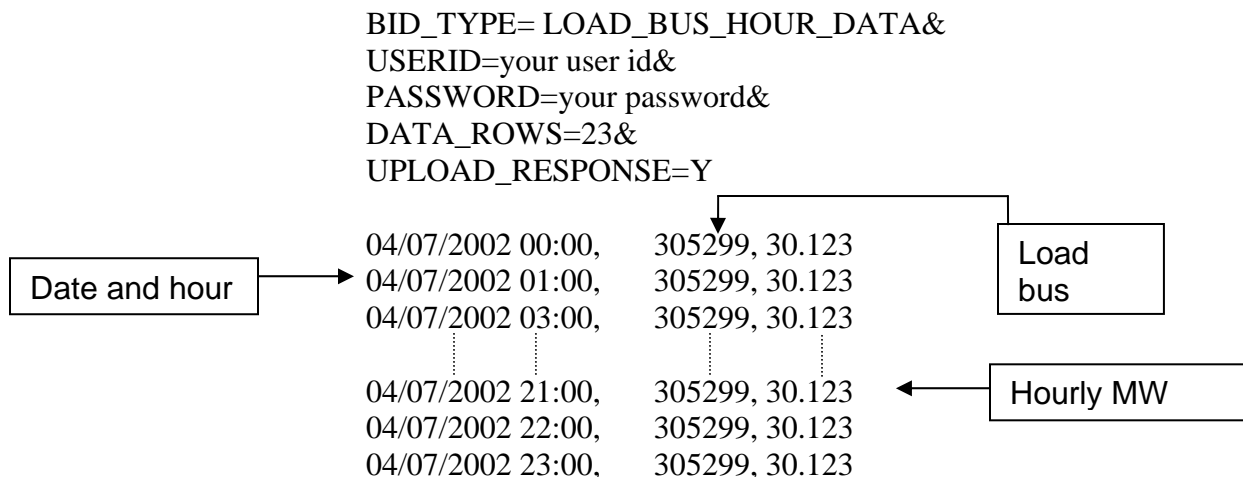
Data dictionary for the BID\_TYPE = LOAD\_BUS\_HOUR\_DATA upload template:

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
BID_TYPE	LOAD_BUS_HOUR_DATA	Y

Parameter	Data Type	Description
Date_Hour	MM/DD/YYYY HH24:MM	Date parameter can be defined as the specific day. Included in the upload per PTID would be 23, 24, or 25 hourly values. All hours are identified as hour beginning (HB) in 24-hour time. Times are local (New York) time.
BUS PTID	NUM (6,0)	Unique integer identifier defined by NYISO for each load bus.
Hourly MW Value	NUMBER (20,3)	Hourly MW value reported by the Metering Authority for each BUS PTID. (It is mandatory that a value be submitted. If no value is submitted then a null will appear).

For example, hourly load bus MW values submitted for HB 00 through HB 23 of April 7, 2002 for bus PTID 305299 would look like this:



A line feed/carriage return marks the end of each line of upload data. Please note that the UPLOAD\_RESPONSE parameter is optional and can be omitted.

Following successful submission of “LOAD\_BUS\_HOUR\_DATA”, the NYISO will respond with a three-record header that includes a time stamp, confirmation of the bid type (LOAD\_BUS\_HOUR\_DATA), and the number of data rows processed. The data will be returned in the following format:

*Date & Hour, Billing Date, Version, Load Bus PTID, Load Bus Name, Metering Authority Hourly Value, Update Date and Hour, Update User, Billed Flag*

For example:

TIME\_STAMP=06/02/2002 09:27:14  
 BID\_TYPE= LOAD\_BUS\_HOUR\_DATA  
 DATA\_ROWS=23

```

"04/07/2002 00:00","",, 78901, "XXX West", 125.17,"06/15/2002 14:31","scotto","N"
"04/07/2002 01:00","",, 78901," XXX West", 125.1, "06/15/2002 14:31", "scotto", "N"
"04/07/2002 03:00","",, 78901" XXX West", 125.35, "06/15/2002 14:31", "scotto","N"
"04/07/2002 04:00","",, 78901," XXX West", 131.678, "06/15/2002 14:31", "scotto","N"
"04/07/2002 05:00","",, 78901, "XXX West", 131.327, "06/15/2002 14:31", "scotto","N"
"04/07/2002 06:00","",, 78901," XXX West", 132.1, "06/15/2002 14:31", "scotto","N"
"04/07/2002 07:00","",, 78901, "XXX West", 136.53, "06/15/2002 14:31", "scotto","N"
"04/07/2002 08:00","",, 78901, "XXX West", 130.86, "06/15/2002 14:31", "scotto","N"
"04/07/2002 09:00","",, 78901, "XXX West", 132.186, "06/15/2002 14:31", "scotto","N"
"04/07/2002 10:00","",, 78901, "XXX West", .....

```

If the data is not entered or received properly, the NYISO MIS will provide an error message indicating that the data must be checked and resubmitted.

## Download template for load bus data

The "LOAD\_BUS\_HOUR\_DETAIL" download template enables load-serving entities to download their applicable load bus data. This download query can provide load bus data for a specified period of time within a given month. The user may query a single BUS PTID, select up to 10 BUS PTIDs at one time, or select all BUS PTIDs associated with the user by leaving the BUS PTID field blank. The returned information will also specify the last time that the data was updated, and identify the party that performed the most recent update. If the user is requesting data for a specific time period within a month, the user should enter the specific month in the BILLING\_MONTH field and use the START\_DATE and END\_DATE parameters to specify the time period.

Data dictionary for the LOAD\_BUS\_HOUR\_DETAIL download template:

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	LOAD_BUS_HOUR_DETAIL	Y
BILLING_MONTH	MM/YYYY or MM/DD/YYYY	Y
PTID	PTID exactly as shown in MIS	N
START_DATE	MM/DD/YYYY HH24:MM	N
END_DATE	MM/DD/YYYY HH24:MM	N
VERSION	Version number	N
ADVISORY_DATA	Y for advisory billed data only, N for most current data	N
UPDATE_TIME_START	MM/DD/YYYY HH24:MM	N
UPDATE_TIME_END	MM/DD/YYYY HH24:MM	N

The query to download load bus data for load bus PTID 78901 for January 4, 2003 would look like this:

```

USERID=your user ID&PASSWORD=your password&
QUERY_TYPE= LOAD_BUS_HOUR_DETAIL&
BILLING_MONTH=01/07/2003&PTID=12345&
START_DATE=01/04/2003 00:00&END_DATE=01/05/2003 00:00&

```

The MIS response to the LOAD\_BUS\_HOUR\_DETAIL query will provide the following data in csv format:

*Date & Hour, Billing Date, Version, Load Bus PTID, Load Bus Name, Metering Authority Hourly Value, Update Date and Hour, Update User, Billed Flag*

The returned data will appear as illustrated below.

```

TIME_STAMP=07/18/2003 15:57
BID_TYPE= LOAD_BUS_HOUR_DETAIL
DATA_ROWS=24

```

```

"01/04/2003 00:00","01/04/2003",0,"XYZ Company",123456,"ABCD",123.456,"06/26/2003 08:17","TESTUSER","N"
"01/04/2003 01:00","01/04/2003",0,"XYZ Company",123456,"ABCD",123.456,"06/26/2003 08:17","TESTUSER","N"
"01/04/2003 02:00","01/04/2003",0,"XYZ Company",123456,"ABCD",123.456,"06/26/2003 08:17","TESTUSER","N"
"01/04/2003 03:00","01/04/2003",0,"XYZ Company",123456,"ABCD",123.456,"06/26/2003 08:17","TESTUSER","N"

```

```
"01/04/2003 04:00","01/04/2003",0,"XYZ Company",123456,"ABCD",123.456,"06/26/2003 08:17","TESTUSER","N"
"01/04/2003 05:00","01/04/2003",0,"XYZ Company",123456,"ABCD",123.456,"06/26/2003 08:17","TESTUSER","N"
"01/04/2003 06:00","01/04/2003",0,"XYZ Company",123456,"ABCD",123.456,"06/26/2003 08:17","TESTUSER","N"
"01/04/2003 07:00","01/04/2003",0,"XYZ Company",123456,"ABCD",123.456,"06/26/2003 08:17","TESTUSER","N"
"01/04/2003 08:00","01/04/2003",0,"XYZ Company",123456,"ABCD",123.456,"06/26/2003 08:17","TESTUSER","N"
"01/04/2003 09:00","01/04/2003",0,"XYZ Company",123456,"ABCD",123.456,"06/26/2003 08:17","TESTUSER","N"
"01/04/2003 10:00","01/04/2003",0,"XYZ Company",123456,"ABCD",123.456,.....
```

For multiple PTID queries a comma “,” is used to separate the PTID values with the ampersand (&) following the last PTID number (For example PTID=12345,34567,56789&). To query all PTIDs, omit the PTID field entirely.

For example:

```
USERID=your user ID&PASSWORD=your password&
QUERY_TYPE= LOAD_BUS_HOUR_DETAIL&
BILLING_MONTH=04/07/2002&
```

## Download template for Metering Authority Subzone Load Data

The “Subzone Load” download template enables a Metering Authority to download its Subzone Load data. The user can enter a single subzone PTID, select up to 10 subzone PTIDs at one time, or select every subzone PTID associated with the user by leaving the PTID field blank, and the MIS will return data for a specific date, or an entire month, as specified by the user. The metering authority subzone load data replaces the data previously identified as MLOAD data.

Data dictionary for the Metering Authority Subzone Load Data download template:

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	SUBZONE_LOAD	Y
DATE	MM/YYYY or MM/DD/YYYY	Y
PTID	Subzone PTID exactly as shown in MIS	N

The query to download subzone load data for subzone PTID 12345 for September 1, 2002 would look like this:

```
USERID=your user ID&PASSWORD=your password&
QUERY_TYPE= SUBZONE_LOAD&
DATE=09/01/2002&PTID=12345&
```

The MIS response to a “Metering Authority Subzone Load Data” query will include the following in csv format:

*Date & Hour, Billing Date, Version, Subzone PTID, Load Data (integrated MWhr), Losses value, Subzone Load Verified*

The returned data will appear as illustrated below.

TIME\_STAMP=09/02/2002 08:41:37

BID\_TYPE= SUBZONE\_LOAD

DATA\_ROWS=24

```

"09/01/2001 00:00", "09/01/2001", 0, 12345, 716.906, 5.234,"Y"
"09/01/2001 01:00", "09/01/2001", 0, 12345, 684.652, 4.2134,"Y"
"09/01/2001 02:00", "09/01/2001", 0, 12345, 658.39, 10.221, "Y"
"09/01/2001 03:00", "09/01/2001", 0, 12345, 641.323, 7.23, "Y"
"09/01/2001 04:00", "09/01/2001", 0, 12345, 642.829, 9.216, "Y"
"09/01/2001 05:00", "09/01/2001", 0, 12345, 633.675, 8.176, "Y"
"09/01/2001 06:00", "09/01/2001", 0, 12345, 654.738, 5.231, "Y"
"09/01/2001 07:00", "09/01/2001", 0, 12345, 706.675, 5, "Y"
"09/01/2001 08:00", "09/01/2001", 0, 12345, 770.594, 5.987, "Y"
"09/01/2001 09:00", "09/01/2001", 0, 12345, 811.354, 5.121, "Y"
"09/01/2001 10:00", "09/01/2001", 0, 12345, 822.451, 4.216,"Y"
"09/01/2001 11:00", "09/01/2001", 0, 12345, .....
    
```

For multiple PTID queries a comma “,” is used to separate the PTID values with the ampersand (&) following the last PTID number (For example PTID=12345,34567,56789&). To query all PTIDs, omit the PTID field entirely.

For example:

```

USERID=your user ID&PASSWORD=your password&
QUERY_TYPE= SUBZONE_LOAD &DATE=09/01/2002&
    
```

## Upload template to indicate Meter Authority Agreement

The METER\_AUTHORITY\_AGREEMENT upload template enables the metering authority to indicate agreement with the subzone load calculation for a given subzone. This template gives the metering authority the ability to indicate agreement on a single day, or multiple days. An ampersand (&) defines the end of each entry field of the header.

Data dictionary for the BID\_TYPE = METER\_AUTHORITY\_AGREEMENT upload template:

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
BID_TYPE	METER_AUTHORITY_AGREEMENT	Y

Parameter	Data Type	Description
Date	MM/DD/YYYY	Date parameter can be defined as the specific day.
PTID	NUM (6,0)	Unique integer identifier defined by NYISO for each subzone
Agreement Flag	Y, N	A flag signifying, for the subzone identified, that the meter authority signifies agreement (Y) with their subzone load value. An “N” signifies that the meter authority does not agree with their subzone load value.

For example, if a meter authority wanted to indicate agreement with the data the submitted message would look like this:

```
BID_TYPE=METER_AUTHORITY_AGREEMENT&
USERID=your user id&
PASSWORD=your password&
DATA_ROWS=3&
UPLOAD_RESPONSE=Y

06/01/2002, 305299, Y
06/02/2002, 305299, Y
06/03/2002, 305299, Y
```

A line feed/carriage return marks the end of each line of upload data. Please note that the UPLOAD\_RESPONSE parameter is optional and can be omitted.

Following a successful submission of "METER\_AUTHORITY\_AGREEMENT", the NYISO will respond with a three-record header that includes a time stamp, confirmation of the bid type (METER\_AUTHORITY\_AGREEMENT), and the number if data rows processed. The data will be returned in the following format:

*Date, Subzone PTID, Subzone Name, Agreement Flag*

For example:

```
TIME_STAMP=06/02/2002 07:35:16
BID_TYPE=METER_AUTHORITY_AGREEMENT
DATA_ROWS=3

"04/07/2002",12345,"SUBZONE_A","Y"
"04/08/2002",12345,"SUBZONE_A","Y"
"04/09/2002",12345,"SUBZONE_A","N"
```

### Download template for Monthly Wholesale Load Verification

The "WHOLESALE\_VERIFICATION" download template enables a meter authority to download wholesale load data for each specified subzone if their wholesale loads match their calculated subzone load value (within tolerance). This template will return results on a monthly basis, displaying each day of the month as one row, and each subzone as one column. The user can enter a single Subzone PTID, multiple Subzone PTIDs, or all Subzone PTIDs associated with the meter authority.

Data dictionary for the Monthly Wholesale Load Verification download template:

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	WHOLESALE_VERIFICATION	Y
DATE	MM/YYYY	Y
PTID	Subzone PTID exactly shown in MIS	N

Variable Name	Value	Mandatory
START_DATE	MM/DD/YYYY HH24:MM	N
END_DATE	MM/DD/YYYY HH24:MM	N

The query to download monthly wholesale load data for verification would look like this:

```

USERID=your user ID&PASSWORD=your password&
QUERY_TYPE= WHOLESALE_VERIFICATION&
DATE=09/2002&PTID=12345&

```

The MIS response to a WHOLESALE\_VERIFICATION query will include the following in csv format:

*Date & Hour, Subzone PTID, Subzone name, Within Tolerance Flag*

The returned data will appear as illustrated below.

TIME\_STAMP=09/02/2001 07:35:16

BID\_TYPE= WHOLESALE\_VERIFICATION

DATA\_ROWS=13

```

"09/01/2001 00:00", 12345,"XYZ East","Y"
"09/01/2001 01:00", 12345,"XYZ East","Y"
"09/01/2001 02:00", 12345,"XYZ East","Y"
"09/01/2001 03:00", 12345,"XYZ East","Y"
"09/01/2001 04:00", 12345,"XYZ East","Y"
"09/01/2001 05:00", 12345,"XYZ East","Y"
"09/01/2001 06:00", 12345,"XYZ East","Y"
"09/01/2001 07:00", 12345,"XYZ East","Y"
"09/01/2001 08:00", 12345,"XYZ East","Y"
"09/01/2001 09:00", 12345,"XYZ East","Y"
"09/01/2001 10:00", 12345,"XYZ East","Y"
"09/01/2001 11:00", 12345,"XYZ East","Y"
"09/01/2001 12:00", 12345,"XYZ East","Y"

```

For multiple PTID queries a comma “,” is used to separate the PTID values with the ampersand (&) following the last PTID number (For example PTID=12345,34567,56789&). To query all PTIDs, omit the PTID field entirely.

For example:

```

USERID=your user ID&PASSWORD=your password&
QUERY_TYPE= WHOLESALE_VERIFICATION&DATE=09/2002&

```



## Download template for Invoice History

The "INVOICE\_HIST" download template enables a user to download invoice history data for a specified date range.

Data dictionary for the Invoice History download template:

Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
QUERY_TYPE	INVOICE_HIST	Y
START_DATE	MM/DD/YYYY	Y
END_DATE	MM/DD/YYYY	Y

The query to download monthly wholesale load data for verification would look like this:

```

USERID=your user ID&PASSWORD=your password&
QUERY_TYPE=INVOICE_HIST&
START_DATE=06/01/2002&END_DATE=06/30/2002&

```

The MIS response to an INVOICE\_HISTORY query will include the following in csv format:

*Invoice Date, Billing Date, Version Number, Last Updated*

The returned data will appear as illustrated below.

TIME\_STAMP=08/02/2002 07:35:16

BID\_TYPE= INVOICE\_HISTORY

DATA\_ROWS=3

"06/01/2002","06/02/2002",0,"07/02/2002 11:34"

"06/01/2002","06/02/2002",1,"07/02/2002 11:34"

"06/01/2002","06/02/2002",2,"07/02/2002 11:34"

Version history is only available for invoices that were generated after September 11, 2003. If a user attempts to access version history data for an invoice that was generated prior to September 11, 2003, the following error message will be returned.

### Upload/Download Error

Historical data invoiced prior to 09/11/2003 is not available in Web-Based Reconciliation. [Note: Users should access version history for other historical periods through the csv files and/or the Dynamic Daily files.]

## Error Messages

If the data is not entered or received properly, the NYISO MIS will provide an error message indicating that the data must be resubmitted. The error message is structured such that the first error listed in an error message represents the actual data entry error, and the subsequent lines within an error message represent other lines of data that are impacted by that error. The following are examples of some typical error messages:

### **ORACLE error--At data row 530**

ORA-20998: Error: User TESTUSER is not authorized to submit meter data for Bus with PT ID: 123456. In INSERT\_HRLY\_BUS\_LOAD\_DATA from  
INSERT\_HRLY\_BUS\_LOAD\_UP\_DN  
ORA-06512: at "BIDBOX.RAISE\_ERROR", line 260  
ORA-06512: at "BIDBOX.INSERT\_HRLY\_BUS\_LOAD\_UP\_DN", line 29  
ORA-06512: at line 1

### **ORACLE error--At data row 806**

ORA-20998: Bus 123456 not found. In INSERT\_HRLY\_BUS\_LOAD\_DATA from  
INSERT\_HRLY\_BUS\_LOAD\_UP\_DN  
ORA-06512: at "BIDBOX.RAISE\_ERROR", line 260  
ORA-06512: at "BIDBOX.INSERT\_HRLY\_BUS\_LOAD\_UP\_DN", line 29  
ORA-06512: at line 1

### **ORACLE error--At data row 0**

ORA-01017: invalid username/password; login denied

For a complete listing of possible error messages, please refer to the OASIS page of the NYISO web site at <http://mis.nyiso.com/public/P-10list.htm> in csv, pdf, and html formats.

### 3. ACCESS THROUGH INTERACTIVE WEB DISPLAYS

Tie line, generator, subzone, and load bus data may be accessed, reviewed, and updated via an interactive MIS web-based feature. To use this feature, first, login to the NYISO MIS through the User Login page at [http://www.nyiso.com/public/market\\_data/market\\_access.jsp](http://www.nyiso.com/public/market_data/market_access.jsp). With the proper NYISO Digital Certificate, the User Login display will appear allowing the user to log into the NYISO MIS. For additional information related to logging into the NYISO MIS, please refer to [Section 7 of the NYISO MPUG](#).

Once logged into the NYISO MIS select Metering Reconciliation as illustrated in Figure 3-1.

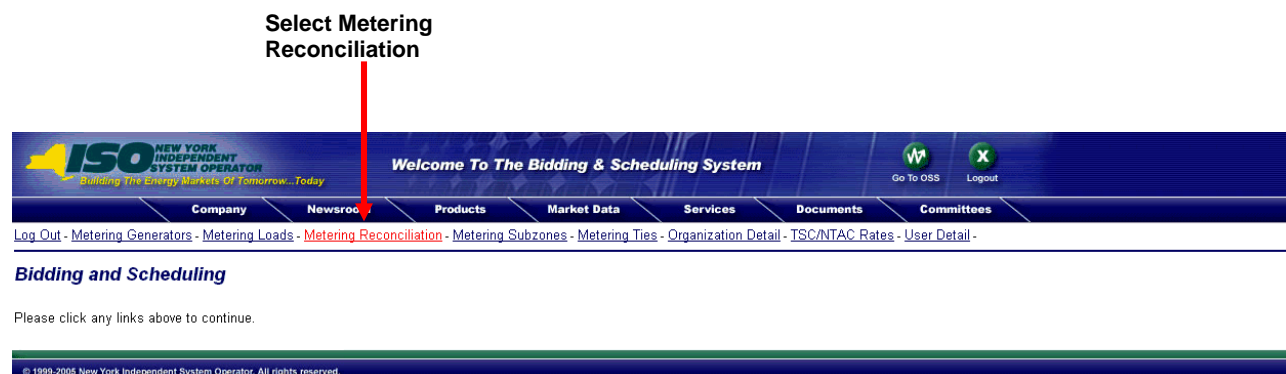


Figure 3-1: Selection Menu Frame

#### Calculated Subzone Load Query Page

The *Calculated Subzone Load* query page (Figure 3-2) is the default page when the user first enters the Metering Reconciliation application. Click on the “Report Type” button accesses the other Metering Reconciliation query pages. A drop down menu lists the query options.

The query page enables the user to select the start and end, date(s), billing month, and the subzone of interest for viewing calculated subzone load data. After the query, information is entered, click on *Submit* to retrieve the specified report, or *Reset* to clear the query fields.

This query page, as well as the other query pages, includes a “Show Invoice History” button that provides the option of choosing a specific invoice version. When this button is clicked, the query page will be regenerated with an additional menu that provides a list of all available versions for the specified billing month. By default, a report will represent the current metering information.

Version history is only available for invoices that were generated after September 11, 2003. The query page will only display version history for those periods that are available through the Web-Based Reconciliation application.

[**Note:** Users should access version history for other historical periods through the .csv files and/or the Dynamic Daily files.]

## NYISO WEB-BASED RECONCILIATION USER'S GUIDE

The *Calculated Subzone Load* query allows a meter authority to view their ISO-calculated subzone load for a specific month. The query page includes a drop down menu that is populated with all subzones owned by the meter authority. The user has the ability to choose a single subzone or all of their subzones by selecting the appropriate choice from the drop down menu.

Page Ref: B-14

### Calculated SubZone Load

Enter Query Parameters

Report Type:

Billing Month:

Start Date:

End Date:

Subzone:

Figure 3-2: Calculated Subzone Load Query Page

After the query parameters have been entered, the *Calculated Subzone Load* results page (Figure 3-3) is displayed. For each day in the specified data range, the ISO-calculated MWh data is displayed, sorted by hour. If there are multiple days in the date range, each day will be displayed separately with its own ISO MWh subtotal. A checkbox enables the meter authority to indicate their acceptance/approval of the ISO data.

Calculated SubZone Load

Query Criteria:

Start Date/Time: 06/01/2001 00:00 EDT  
End Date/Time: 06/01/2001 23:00 EDT  
Version: 0

PTID: 00000  
Name: BEDROCK QUARRY

Date/Time: 06/01/2001 00:00:00 EDT Bill Date: 06/01/2001

Date/Time	ISO Calculated Load (MWh)	Losses (MWh)
06/01/2001 00:00:00 EDT	.0000	.9970
06/01/2001 01:00:00 EDT	.0000	.8970
06/01/2001 02:00:00 EDT	.0000	.8730
06/01/2001 03:00:00 EDT	.0000	.8280
06/01/2001 04:00:00 EDT	.0000	.8110
06/01/2001 05:00:00 EDT	.0000	.9330
06/01/2001 06:00:00 EDT	.0000	1.2760
06/01/2001 07:00:00 EDT	.0000	1.5040
06/01/2001 08:00:00 EDT	.0000	1.5760
06/01/2001 09:00:00 EDT	.0000	1.7430
06/01/2001 10:00:00 EDT	.0000	1.8330
06/01/2001 11:00:00 EDT	.0000	1.8830
06/01/2001 12:00:00 EDT	.0000	1.8640
06/01/2001 13:00:00 EDT	.0000	1.8450
06/01/2001 14:00:00 EDT	.0000	1.8570
06/01/2001 15:00:00 EDT	.0000	1.8980
06/01/2001 16:00:00 EDT	.0000	1.8160
06/01/2001 17:00:00 EDT	.0000	1.8000
06/01/2001 18:00:00 EDT	.0000	1.8080
06/01/2001 19:00:00 EDT	.0000	1.7940
06/01/2001 20:00:00 EDT	.0000	1.8300
06/01/2001 21:00:00 EDT	.0000	1.6240
06/01/2001 22:00:00 EDT	.0000	1.4630
06/01/2001 23:00:00 EDT	.0000	1.2720
Hourly Totals	.0000	

☐ Approved?

Figure 3-3: Calculated Subzone Load Results Page

## E-Mail Notification of Status Change

When data has been updated and the Calculated Subzone Load Agreement flag has been reset to “No,” an e-mail notification will be sent.

For Example:

Subzone verified reset to “No” for Subzone ##### SUBZONE NAME  
For 10/01/2001

Meter Authority: Metering Authority – Company Name

Contact Person: John Doe

Primary Phone: ###-###-####

Email Address: john.doe@samplecompany.com

## Subzone Load Detail Query page

This report allows a meter authority to view how the ISO calculated their subzone load for a specific hour and a specific date, or for a specified range of dates. The *Subzone Load Detail* query page includes a drop down menu that is populated with all subzones owned by the meter authority. The meter authority also has the ability to filter the query by day and hour.

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**SubZone Load Detail**

Enter Query Parameters	
Report Type:	SubZone Load Detail
Billing Month:	Jun 2001 <a href="#">Show Invoice History</a>
Start Date/Time:	1 01:00
End Date/Time:	7 04:00
Subzone:	SLATE QUARRY 1
	SLATE QUARRY BEDROCK
<a href="#">Submit</a>	<a href="#">Reset</a>

Figure 3-4: Subzone Load Detail Query Page

After the query parameters have been submitted, the results page is displayed (Figure 3-5). Each hour included in the report will be separated by page breaks with their own heading. For each hour, every tie and generator that affects the specified subzone will be displayed. From this display, the user is able to update their reported values for the ties or generators that they own. Clicking on the submit button at the bottom of the display will submit the updated values.

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**Subzone Load Detail**

Query Criteria:  
Start Date/Time: 01/01/20 00:00:00 EST  
End Date/Time: 01/01/20 00:00:00 EST  
Version: 0

PTID: 000000  
Name: SLATE QUARRY

Date/Time: 01/01/20 00:00:00 EST Bill Date: 01/01/20

PTID	PTID Name	Type	MA Reported MWH	ISO PTS MWH	Last Updated	Last Updated User
0000001	ROCK VEGAS	GEN	99.0000	97.6258	01/02/200 00:3	FLINT
000002	DEATHVALLEY ROCK	GEN	120.0000	123.6255	01/02/200 00:3	FLINT
000003	RENOROCK	GEN	113.0000	112.8873	01/02/200 00:3	FLINT
000004	SLATONA 500	GEN	0.0000	0.0000	01/02/200 00:3	FLINT

Submit Reset

Anomaly Legend: ■ ≥ ±5% and <±10% Anomaly ■ ≥ ±10% Anomaly ■ Null PTS Value Anomaly

Click on a PTID name to view details of that PTID (Figure 3-6).

Figure 3-5: Subzone Load Detail Results Page

The user can view details of a particular tie, bus, or subzone by clicking on the PTID name of the desired tie, bus, or subzone. An example of the detail view is shown in Figure 3-6.

**Subzone Details**

PTID: 000003 Tolerance (MWhr): ±1.0  
Subzone: RENOROCK Meter Qualified?: ☒  
Zone: NORTH Active: ☒

Memo

Populate SVT database

Meter Authority History	
Name	Effective Date
Metering Authority - SLATE ENERGY	12/13/2002

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Figure 3-6: Subzone, Tie, or Bus Details Page

### Gen/Tie Load Detail Query page

This report allows a meter authority to focus on grouped or individual generators, or tie-lines. The *Gen/Tie Load Detail* query page (Figure 3-7) includes a drop down menu of all generators

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and ties for which the user has the authorization to update the metering data. This report (Figure 3-8) only displays the generators or ties that were selected, and provides the user with the ability to update the meter authority reported MWH.

Generators or metering authorities creating queries for tie line, generator, and sub-zone hourly MW data for grouped units should note that the data returned from such query to a web page will appear ordered first by, PTID and, secondly, by the PTIDs associated with grouped units.

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### Gen/Tie Detail

**Enter Query Parameters**

Report Type:	Gen/Tie Detail	
Billing Month:	Jun 2002	Show Invoice History
Start Date/Time:	1 00:00	
End Date/Time:	1 00:00	
Gen/Tie:	All -00001 - BAM BAM QUARRY -00002 - SLATE QUARRY -00003 - PEBBLE QUARRY -00004 - RUBBLE QUARRY	
Submit		Reset

Figure 3-7: Gen/Tie Load Detail Query Page

Page Ref: B-14-3

### Gens/Ties Hourly Load Detail

Query Criteria:  
Start Date/Time: 01/01/20 00:00:00 EST  
End Date/Time: 01/01/20 00:00:00 EST  
Version: 0

PTID: 000000  
Name: SLATE QUARRY

Date/Time: 01/01/20 00:00:00 EST Bill Date: 01/01/20

PTID	PTID Name	Type	MA Reported MWH	ISO PTS MWH	Last Updated	Last Updated User
0000001	ROCK VEGAS	GEN	990000	97.6258	01/02/200 00:3	FLINT
000002	DEATHVALLEY ROCK	GEN	1200000	123.6255	01/02/200 00:3	FLINT
000003	RIENOROCK	GEN	1130000	112.8873	01/02/200 00:3	FLINT
000004	SLATONA 500	GEN	0000	0000	01/02/200 00:3	FLINT

Submit Reset

Anomaly Legend: ■ 2±5% and <±5% Anomaly ■ 2±10% Anomaly ■ Null PTS Value Anomaly

Figure 3-8: Gens/Ties Hourly Load Detail Results Page

## Subzone Load Verification Query page

This report provides the meter authority with a summary view of a single month, where the current state of the approval flags for each day can be examined. The user can set or remove the flags that indicate whether they accept the ISO-calculated MWh data. From the query page, the user can select one, or all of their subzones.

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### Subzone Load Verification

**Figure 3-9: Subzone Load Verification Query Page**



This query produces a *Monthly Load Verification for Subzones* results page (Figure 3-10) that displays one subzone per column, and each row displays a different day of the month. At the intersection of each day and each subzone, there is a checkbox and a magnifying glass icon. A checked check box indicates that the user has accepted the current ISO calculated MWh. An unchecked box indicates that either the user has not accepted the current data, or a neighboring generator or tie has updated their information, which recalculates the ISO MWh and will uncheck the box for the user. Clicking on the magnifying glass will forward the user to the *Calculated Subzone Load* results page (Figure 3-3) for that subzone and day combination. Click on the submit button on the bottom of the display to submit the completed *Monthly Load Verification for Subzones* form.



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

Log Out - Metering Generators - Metering Loads - Metering Reconciliation - Metering Subzones - Metering Ties - Organization Detail - TSC/NTAC Rates - User Detail -

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### Monthly Load Verification for SubZones

Check All

Clear All

Billing Date	Subzones
1 / 1 / 2006	RENOROCK 
1 / 2 / 2006	
1 / 3 / 2006	
1 / 4 / 2006	
1 / 5 / 2006	
1 / 6 / 2006	
1 / 7 / 2006	
1 / 8 / 2006	
1 / 9 / 2006	
1 / 10 / 2006	
1 / 11 / 2006	
1 / 12 / 2006	
1 / 13 / 2006	
1 / 14 / 2006	
1 / 15 / 2006	

Through 1/31/2006

Submit Reset

Click on a magnifying glass icon to view calculated subzone load data for that subzone for that day.

Figure 3-10: Monthly Load Verification for Subzones Page

### Wholesale Bus Load Detail Query page

After a meter authority approves their ISO-calculated subzone load figures, they then proceed to upload their Wholesale Load Bus information. From the *Wholesale Bus Load Detail* query page (Figure 3-11), the user has the ability to choose a date or date/time frame, and a specific subzone for which they wish to enter their wholesale load bus data. Once the query criteria are entered, the *Wholesale Load Bus Detail* results page (Figure 3-12) is displayed with the PTIDs for which the meter authority is responsible. The user can report and submit wholesale load bus data from this display.

Page Ref: B-14

### Wholesale Load Bus Detail

Enter Query Parameters

Report Type: Wholesale Load Bus Detail

Billing Month: Jan 2001 Show Invoice History

Start Date/Time: 1 04:00


End Date/Time: 1 04:00

Subzone: RENOROCK



Submit Reset

Figure 3-11: Wholesale Load Bus Detail Query Page

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### Wholesale Load Bus Detail

Query Criteria:  
Start Date/Time: 01/01/2002 00:00 EST  
End Date/Time: 01/01/2002 00:00 EST  
Version: 0

PTID: 00003  
Name: RENOROCK

Click on a PTID name to view details of that PTID (Figure 3-6).

PTid	PTid Name	MA Reported MWH	ISO Calculated MWH	Last Updated	Last Updated User
0000001	ROCK VEGAS	1346.7889	1346.7891	11/01/2002	FLINT
00003	RENOROCK	115.9110	115.9110	11/01/2002	FLINT
Hourly Totals		1,986.0650	1,986.0648	Tolerance: ±1.0 MWH Within Tolerance? ✓	

SubmitReset

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Figure 3-12: Wholesale Load Bus Detail Results Page

## User Detail Information

A user may review information pertaining to the privileges assigned to the user via the User Detail (Figure 3-13) page.

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Administrators - Log Out - New User - Organization Users - Organizations - Sub-Zone Parameters - Zone Parameters -

### User Detail

Organization: SLATE ENERGY Type: NYISO Updated By: 1001 Update Time: 3/21/2002 Active: R

Contact Information

Name: FRED FLINTSTONE Address:

Primary Phone: 555-123-4567

Secondary Phone:

FAX:

E-Mail: FLINT@SLATEENERGY.COM

Pager:

Oracle User Name:

Privileges

DAM Generators <input checked="" type="checkbox"/>	HAM Generators <input checked="" type="checkbox"/>	Physical Load <input type="checkbox"/>	Virtual Load <input type="checkbox"/>	Virtual Supply <input type="checkbox"/>	DAM Transactions <input type="checkbox"/>
HAM Transactions <input type="checkbox"/>	Non Fire Transactions <input type="checkbox"/>	TCC <input type="checkbox"/>	ICAP <input type="checkbox"/>	Update UC Data <input type="checkbox"/>	Billing <input type="checkbox"/>

ICAP related Privileges

Bid To Purchase <input type="checkbox"/>	Offer To Sell <input type="checkbox"/>	Carbony <input type="checkbox"/>	DMNC <input type="checkbox"/>	Maintain T.O. Data <input type="checkbox"/>
--	--	----------------------------------	-------------------------------	---

Metering related Privileges

Metering ☒

Memo

New user added by Woot 11/02/02  
 Added gen rights to banner\_ 11/02/02

Update Back Cancel

Change Password Authorized Generators Authorized Loads

If the "Metering" box is checked, the user is authorized to submit certain meter

Click here to change your user password.

Figure 3-13: User Detail Page

Links at the top of the User Detail page provide access to additional displays that define the specific loads, ties, subzones, and generators that the individual user is authorized to view, as well as information about the organization (Figure 3-14). The Organization Detail page displays information about the organization.

## NYISO WEB-BASED RECONCILIATION USER'S GUIDE

The screenshot shows the 'Organization Information' page for SLATE ENERGY. The page header includes the NYISO logo and navigation links. The main content area displays organization details, contact information, and a grid of privileges. The organization is identified as SLATE ENERGY, a METER AUTHORITY, with contact person BARNEY RUBBLE. The address is ONE GRANITE VIEW, BEDROCK, USA 90009. The page also shows the Purchaser/Seller Entity Number (SLTENR - NR) and Maximum Allowed Members (50). A grid of privileges is displayed, including DAM Generators, HAM Generators, Physical Load, Virtual Load, Virtual Supply, and DAM Transactions, each with a checkbox. Below this, ICAP-related privileges like Bid To Purchase, Offer To Sell, Certify, OMNC, and Maintain T.O. Data are also listed with checkboxes. The page footer indicates 'Organization Administrators'.

**Organization Information**

Organization: SLATE ENERGY      Type: METER AUTHORITY      Active: ☐

**Contact Information**

Name: BARNEY RUBBLE      Address: ONE GRANITE VIEW  
Primary Phone: 555-123-4567      BEDROCK, USA 90009  
Secondary Phone:  
FAX:  
E-Mail:  
Pager:

Purchaser/Seller Entity Number: SLTENR - NR      Maximum Allowed Members: 50

**Privileges**

DAM Generators	HAM Generators	Physical Load	Virtual Load	Virtual Supply	DAM Transactions
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
HAM Transactions	Non-Firm Transactions	TCC	ICAP	Update UC Data	
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

**ICAP-related Privileges**

Bid To Purchase	Offer To Sell	Certify	OMNC	Maintain T.O. Data
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Organization Administrators

Figure 3-14: Organization Information/Details Page

The Metering Generators page (Figure 3-15) displays the generators for which the user is authorized to view metering data. Similar pages display the same information with respect to loads, subzones, and ties.

The screenshot shows the 'Metering Generators' page. The header includes the NYISO logo and navigation links. The main content area displays a list of generators authorized for User FLINSTONE. The generators are listed in a table with columns for Generator Name, Location, and Status. The generators are ALGAMAE GEM, BASALT, BEDROCK, FLAGSTONE, GRANITE CITY, LIMESTONE VALLEY, MARBLE PARRISH, ROCK VEGAS, SANDSTONE ACRES, and SLATEVILLE. The page footer indicates 'Page Ref: MA-1.2'.

**Metering Generators**

User FLINSTONE is currently authorized for these Generators:

ALGAMAE GEM	FLAGSTONE	MARBLE PARRISH	SLATEVILLE
BASALT	GRANITE CITY	ROCK VEGAS	
BEDROCK	LIMESTONE VALLEY	SANDSTONE ACRES	

Page Ref: MA-1.2

Figure 3-15: Metering Generators Page

## 4. MARKET PARTICIPANT ADMINISTRATOR WEB PAGES

The Market Participant Administrator web pages enable the meter authority's system administrator to assign and control access to the web-based reconciliation functions. Through the use of these administrator web pages, the system administrator can permit or deny access to select bus, load and subzone information, and readily alter the assigned permissions. For additional information about administrative tasks, please refer to [Section 6 of the NYISO MPUG](#).

To access the Market Participant Administrator web pages, login via the Administrator login page from the NYISO MIS home page. Select "Organization Users" from the Administrator Menu frame, and then select the desired organization and click on "Display" to view the users associated with that organization. Select the desired user to access the *User Detail* page (Figure 4-1) for that user.

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Page Ref: M3

### User Detail

Organization: SLATE ENERGY Type: NYISO Updated By: 1001 Update Time: 3/21/2002 Active: ☒

#### Contact Information

Name: \* FRED FLINTSTONE Address: \*

Primary Phone: \* 555-123-4567

Secondary Phone:

FAX:

E-Mail: FLINT@SLATEENERGY.COM

Pager:

Oracle User Name:

#### Privileges

DAM Generators <input checked="" type="checkbox"/>	HAM Generators <input checked="" type="checkbox"/>	Physical Load	Virtual Load	Virtual Supply	DAM Transactions
HAM Transactions <input type="checkbox"/>	Non-Firm Transactions <input type="checkbox"/>	TCC <input type="checkbox"/>	ICAP <input type="checkbox"/>	Update UC Data <input type="checkbox"/>	Billing <input type="checkbox"/>

#### ICAP-related Privileges

Bid To Purchase <input type="checkbox"/>	Offer To Sell <input type="checkbox"/>	Certify <input type="checkbox"/>	DMNC <input type="checkbox"/>	Maintain T.O. Data <input type="checkbox"/>
--	--	----------------------------------	-------------------------------	---

#### Metering-related Privileges

Metering ☒

#### Memo

New user added by flint 11/02/02  
Added pen rights to barney\_11/02/02

Update Reset Delete

Change Password Authorized Generators Authorized Loads

Click here to assign "upload metering data" privileges to an individual user.

Hyperlinks to individual metering permissions pages.

**Figure 4-1: User Detail Page**

To assign meter data submission privileges to an individual user, click on the "Metering" checkbox on the lower left of the *User Detail* page.

The *User Detail* page includes hyperlinks to additional administrative web pages that enable the system administrator to grant permissions to an individual user to view metering data for specific generators, loads, ties, and subzones.

## Metering Generators permissions page

This page is accessed via the hyperlink located at the bottom of the *User Detail* page (Figure 4-1). The *Metering Generators* page (Figure 4-2) enables the system administrator to view the generators that the selected user is authorized to submit metering data for, and provides the mechanism to change the authorizations.

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---

### Metering Generators

---

User FLINSTONE is currently authorized for these Generators:

<u>ALGAMAE GEM</u>	<u>FLAGSTONE</u>	<u>MARBLE PARRISH</u>	<u>SANDSTONE ACRES</u>
<u>BASALT</u>	<u>GRANITE CITY</u>	<u>ROCK VEGAS</u>	
<u>BEDROCK</u>	<u>LIMESTONE VALLEY</u>		

Add Generators:

Remove Generators:

[Organization Users](#) [User Detail](#)

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**Figure 4-2: Metering Generators Page**

To add a generator to the authorized list, select the generator from the “Add Generators” list and click on submit. The selected generator will be added to the authorized list for that user. To remove authorization for a generator, select the generator to be removed from the “Remove



Generators” list and then click on submit. The approved generators list for that user will reflect the change.

The generators listed as “Generators for which user currently authorized to view data” also serve as hyperlinks to Generator Parameters pages (Figure 4-3) that provide additional information about the selected generator.

**Generator Parameters**

PTID: 00000  
 Generator Name: PEBBLE'S GENERATOR  
 Zone Name: BEDROCK

Generator Type: DINO  
 Subzone Name: BEDROCK EDGE  
 Group Name:

NERC Unit ID:  
 Station Power Group Name:

Active: ☐ Meter Qualified?: ☐ NYC MPM: ☐ NYC 10 Min Spin: ☐

---

**Contact Information**

Name: Barney Rubble  
 Primary Phone: (555) 123-4567  
 Secondary Phone:  
 Fax: (555) 987-6543  
 E Mail: brubbl@stateenergy.com  
 Pager:

Address: One Granite Way  
 Bedrock, USA, 12345

---

Meter Authority History	
Name	Effective Date
Metering Authority - Statens Hock	

Bus Generator History		
Name	Start Date	End Date

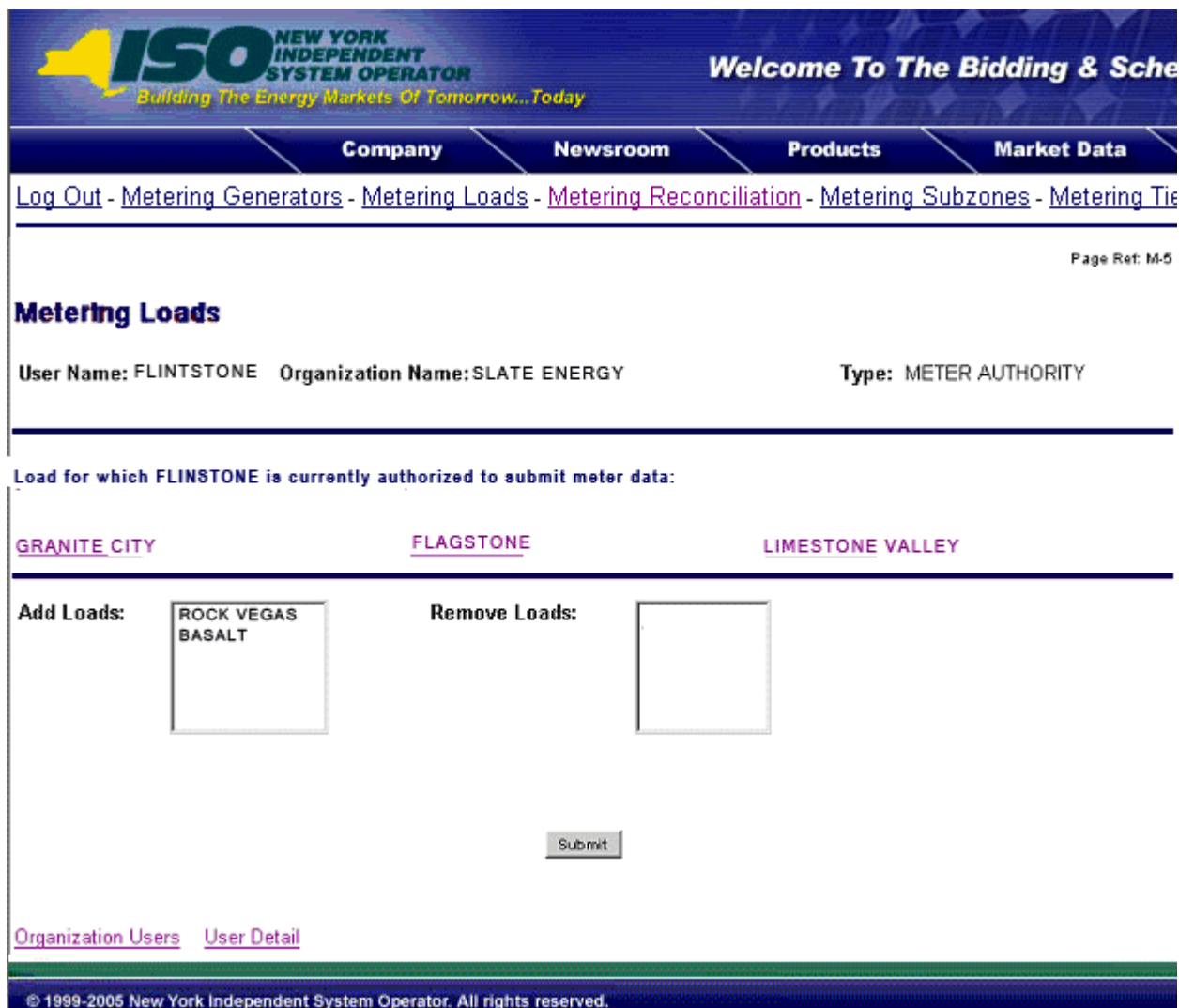
[Generator Administrators](#)

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Figure 4-3: Generator Parameters Page

## Metering Loads permissions page

This page is accessed via the hyperlink located at the bottom of the *User Detail* page (Figure 4-1). The *Metering Loads* page (Figure 4-4) enables the system administrator to view the loads that the selected user is authorized to submit metering data for, and provides the mechanism to change the authorizations.



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Page Ref: M-5

### Metering Loads

User Name: FLINTSTONE Organization Name: SLATE ENERGY Type: METER AUTHORITY

Load for which FLINTSTONE is currently authorized to submit meter data:

[GRANITE CITY](#) [FLAGSTONE](#) [LIMESTONE VALLEY](#)

Add Loads:

Remove Loads:

[Organization Users](#) [User Detail](#)


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**Figure 4-4: Metering Loads Permissions Page**

To add a load to the authorized list, select the load from the “Add Loads” list and click on submit. The selected loads will be added to the authorized list for that user. To remove authorization for a load, select the load to be removed from the “Remove Loads” list and then click on submit. The approved loads list for that user will reflect the change.





The loads listed as “Loads for which user currently authorized to view” also serve as hyperlinks to Load Details pages (Figure 4-5) that provide additional information about the selected load.



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Page Ref: G-11

### Load Detail

User Name: FLINTSTONE Active: ☒

Station Name	Voltage Class	Load Name
RENO ROCK	HIGH	SLATONA

LSE: [STONE QUARRY](#)

EDC Area: 51

Zone: PTID: 00003

Subzone:

Meter Qualified?: ☒

Log:

Populate MIS database for B. Rubble

Meter Authority History	
Name	Effective Date

Bus Generator History		
Name	Start Date	End Date

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Figure 4-5: Load Details Page

## Metering Ties permissions page

This page is accessed via the hyperlink located at the bottom of the *User Detail* page (Figure 4-1). The *Metering Ties* page (Figure 4-6) enables the system administrator to view the ties that the selected user is authorized to submit metering data for, and provides a mechanism to change the authorizations.

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Page Ref: M-5

## Metering Ties

User Name: **FLINTSTONE** Organization Name: **SELECT ENERGY** Type: **METER AUTHORITY**

Ties for which FLINTSTONE is currently authorized to submit meter data:

[BEDROCK](#) [PEBBLE QUARRY](#) [FLAGSTONE](#) [LIMESTONE VALLEY](#)

Add Ties:

Remove Ties:

[Organization Users](#) [User Detail](#)

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Figure 4-6: Metering Ties Permission Page

To add a tie to the authorized list, select the tie from the “Add Ties” list and click on submit. The selected ties will be added to the authorized list for that user. To remove authorization for a tie, select the tie to be removed from the “Remove Ties” list and then click on submit. The approved ties list for that user will reflect the change.

The ties listed as “Ties for which user currently authorized to view” also serve as hyperlinks to Tie Details pages (Figure 4-7) that provide additional information about the selected tie.

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### View Tie Detail

PTID: 00003  
Name: FLINT  
TIE ID: 12345

Metering Authority Sign Convention: Minus  
PTS Sign Convention: Yes

Active? ☒

To SubZone:  ☐ External?  
From SubZone:  ☐ External?  
To Zone:   
From Zone:

Tie Log:

Metering Authority History			
Name	Effective Date	Sign Convention	Meter Authority PTS
SLATE ENERGY	1/1/1998	Minus	Yes

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Figure 4-7: Ties Details Page

## Metering Subzones permissions page

This page is accessed via the hyperlink located at the bottom of the *User Detail* page (Figure 4-1). The *Metering Subzones* page (Figure 4-8) enables the system administrator to view the subzones that the selected user is authorized to submit metering data for, and provides a mechanism to change the authorizations.

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Page Ref: M-5

### Metering Subzones

User Name: FLINTSTONE Organization Name: SLATE ENERGY Type: METER AUTHORITY

Subzones for which FLINTSTONE is currently authorized to submit meter data:

SLATE QUARRY 1 SLATE QUARRY 2 SLATE QUARRY 3 SLATE QUARRY 4

Add Subzones: SLATE QUARRY 3 SLATE QUARRY 4

Remove Subzones: SLATE QUARRY 1 SLATE QUARRY 2

Submit

[Organization Users](#) [User Detail](#)

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Figure 4-8: Metering Subzones Permissions Page

To add a subzone to the authorized list, select the subzone from the “Add Subzone” list and click on submit. The selected subzone will be added to the authorized list for that user. To remove authorization for a subzone, select the subzone to be removed from the “Remove Subzones” list and then click on submit. The approved subzones list for that user will reflect the change.

The subzones listed as “Subzones for which user currently authorized to view” also serve as hyperlinks to Subzone Details pages (Figure 4-9) that provide additional information about the selected subzone.

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## Subzone Details

Select Sub Zone:

Sub Zone:	<input type="text" value="SLATE QUARRY 1"/>	Tolerance (MWh):	<input type="text" value="0.5"/>
Zone:	<input type="text" value="NORTH"/>	LSE:	<input type="text" value="None Selected"/>
Last Updated By:	<input type="text" value="1"/>	Last Update Time:	<input type="text" value="07/24/1998"/>
PTID:	<input type="text" value="12345"/>	Active:	<input checked="" type="checkbox"/>

**Memo**

Populate SVT database

Name	Effective Date
SLATE ENERGY	6/31/1998

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Figure 4-9: Subzone Details Page

## 5. REPORTING, VIEWING, AND UPDATING STATION POWER DATA THROUGH WEB-BASED RECONCILIATION

Meter Authorities (MAs) are required to provide hourly load data to support the Settlement Adjustment Rebidding process. This process includes the reporting of Station Power consumption. MAs may view and update Station Power data through the Wholesale Load Bus Detail page provided in the Web-Based Reconciliation application (WBR) or update load data by using the [upload template for load bus data](#). The following information describes how MAs report, view, and update Station Power metering data. All market participants can view Station Power data by using the applications and processes described in the following.

Meter readings for Station Power adhere to the same constraints and rules governing load data submittals. Actual meter readings are not used until after the first invoice is created, initial invoices are based upon the Station Power forecasts submitted to the NYISO on the load forecast pages of the MIS by generators scheduling Station Power. MAs report non-zero Station Power data (hourly Station Power bus data greater than zero) to the NYISO for all hours regardless of whether a unit was on or off-line. These values are reported to the NYISO via the WBR web interface or upload/download batch procedures. MAs may choose to identify individual meters to measure Station Power for a generating site or they may choose to aggregate the meters. For each meter or aggregated set of meters, a Station Power load bus must be defined in the MIS database. Although multiple buses may be used, at least one bus will be defined as the bus to be used by the Generator to schedule Station Power in the DAM and to report its forecast Station Power consumption. Meter readings will be consistently aggregated or non-aggregated on a unit-by-unit basis. In instances where a generator produces energy for a fraction of an hour and consumes Station Power for the remainder of the hour, two meter readings are uploaded: one reading for net generation during the time period the unit was online, and another reading for Station Power during the time period the unit was consuming Station Power.

Web-Based Reconciliation provides an interface for the MAs to update their MWHR actuals for generator and tie meter readings at the Wholesale Load Bus Detail Page. The MAs upload or enter via web services the Station Power load data. From the Wholesale Bus Load Detail query page, the user has the ability to choose a date or date/time frame and a specific subzone for which they wish to enter their Station Power load bus data. Once the query criteria are entered, the Wholesale Load Bus Detail results page is displayed with the PTIDs for which the MA is responsible. The user can report and submit Station Power data from this display. Additionally, through this page, generators have the ability to view, but not update, Station Power bus data.

## 6. USER ACCOUNT CONFIGURATION AND MANAGEMENT

The NYISO MIS provides Market Participants (MPs) with significant flexibility in establishing user accounts to meet the specific roles and responsibilities that its staff may have within its organization. The types of actions allowed have been developed over time with input from MPs concerning what they would like to see. Web-Based Reconciliation (WBR) is built on top of the MIS and offers similar flexibility to what has been offered in the other areas. Understanding some of the basics will help an MP establish a plan for how they want to manage the account. The following description is a response to questions asked in the Meter Authority Task Force.

The Meter Authority Administrator<sup>2</sup> responsible for establishing accounts should understand the following points. The individual accounts for WBR are configured and maintained by their Meter Authority Administrator(s) (individuals within their own company) via Web-Based Screens on the MIS. Users need to be authorized by their Meter Authority Administrator(s) to access specific items such as gens, ties, and loads to see data.

Users must be authorized to submit various types of data such as meter data for WBR. In order to submit data for a certain item, users need authorizations for both submitting the meter data, and for the gen, tie, or load for which the data is submitted. In WBR, a user must be authorized to submit meter data and must be authorized for that particular gen, tie, or load.

[Note: There are no separate permissions established between users of the Web interface and the upload/download interface.]

### Example Objectives

- An automated user that submits tie, gen, and load data for particular MA.
- Web users that can indicate the subzone load is verified.
- Web users that can look at tie, gen, subzone data.
- Web users that can look at load.
- Individual user accountability on all accounts.

### Proposed Solution

1. The Meter Authority Administrator will establish an account for upload/download that will not be shared with anyone, and will only be used by the organization's automated program. The Meter Authority Administrator will authorize to the account all of the ties, gens, and loads authorized to their organization, and check the submit meter data flag. The NYISO has configured which ties, gens, subzones, and loads belong to which MAs.
2. For each Web user, the Meter Authority Administrator will create an individual account authorized to their subzones with the submit meter data flag checked. No ties, gens, or loads authorized in this example.

---

<sup>2</sup> **Metering Authority Administrator** - Individual or Individuals authorized by their Metering Authority to have necessary system permissions which enables them to submit and/or access metering data through the Web Based Reconciliation Database.



3. If these Web users have an account so that they can verify the subzone load in item 2 above, then that account will allow them to see all tie, gen, and subzone data such that no additional account is needed. As these accounts have the “submit” flagged turned on, they should not be authorized to any gens or ties. If the Web user does not already exist, the Meter Authority Administrator will create an individual account authorized to their subzones. If it was only specific gens or ties the user should see, they would be authorized to a subset of the list by the Meter Authority Administrator.
4. For each Web user, the Meter Authority Administrator will create an individual account authorized to their loads or subset of loads they should be able to see. If this was created under item 3 (not item 2 to verify subzone load) to see ties, gens, and subzone data, then the loads can be added and the user will have one account. If this user was created under item 2, then a second account would need to be provided.
5. The MIS maintains individual user accountability on accounts provided the users do not share them. There is no way for the NYISO to ensure that users are not sharing accounts amongst themselves, but the NYISO would highly encourage MAs to put into place their own policies against this.