



Web Based Reconciliation

draft User's Guide

1/10/2003

Introduction

The MIS web enabled applications described in this User's Guide support upload and download query functions related to hourly tie line, generation, sub-zone and load bus data. **Upon deployment of these applications the NYISO will no longer support the use of FTP, monthly adjustment (XX), or ICCP files.**

This User's Guide assumes prior knowledge in the use of the NYISO MIS and 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](#).

Section 1 – Using MIS Upload/Download Batch Procedures

Upload template for tie line, generator, and sub-zone data

The "TIE_GEN_SUBZONE_DATA" upload template enables a meter authority to upload tie line, generator and sub-zone hourly MW values to the NYISO MIS for a specific tie line, generator, or sub-zone 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:

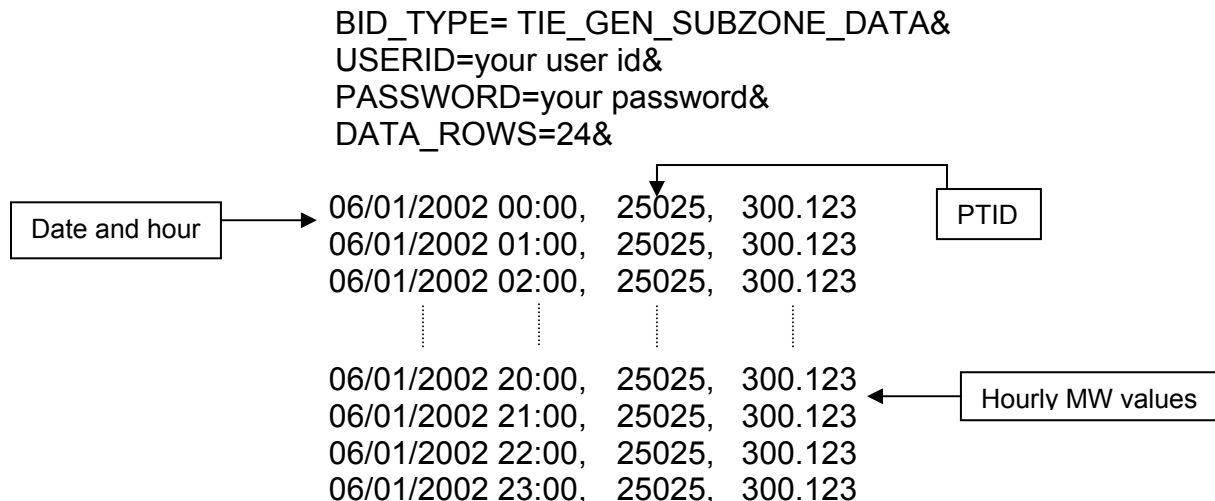
Variable Name	Value	Mandatory
USERID	Oracle account user name	Y
PASSWORD	Oracle account password	Y
BID_TYPE	TIE_GEN_SUBZONE_DATA	Y

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

¹ 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).

Value	(20,3)	
-------	--------	--

For example, hourly MW values submitted for HB 00 through HB 23 of June 1, 2002 for PTID 25025 would look like this:



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 followed by the data received by the MIS. For example:

```

    TIME_STAMP=06/02/2002 08:41:37
    BID_TYPE= TIE_GEN_SUBZONE_DATA
    DATA_ROWS=24
  
```

```

    06/01/2002 00:00, 25025, 300.123
    06/01/2002 01:00, 25025, 300.123
    06/01/2002 02:00, 25025, 300.123
    ⋮
    ⋮
    ⋮
  
```

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

Download template for tie line, generator, and sub-zone data

The "TIE_GEN_SUBZONE_DETAIL" download template enables a generator or meter authority to download their tie line, generator and sub-zone hourly MW data for an entire day or for a specified period of time within a day. The user can enter a single tie line, generator, or sub-zone PTID, or select up to 10 PTIDs at one time. If the PTID field is left

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blank, then every PTID associated with the meter authority will be included in the output file.

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
DATE	MM/DD/YYYY	Y
GEN/TIE/SUBZONE PTID	PTID exactly as shown in MIS	N
Time Stamp Start	MM/DD/YYYY HH:MM:SS	N
Time Stamp End	MM/DD/YYYY HH:MM:SS	N

The query to download sub-zone data for sub-zone PTID 12345 for June 1, 2002 would look like this:

```
USERID=your user ID&PASSWORD=your password&
QUERY_TYPE= TIE_GEN_SUBZONE_DETAIL&
DATE=06/01/2002&PTID=12345&
```

For multiple PTID queries a comma “,” is used to separate the PTID values with the ampersand (&) following the last PTID number.

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, 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

The returned data will appear as illustrated below.

```
6/1/2002 0:00, XYZ Company, 12345, ABC, 124.23, 125.24, 6/15/02 14:31:05, scotto,
6/1/2002 1:00, XYZ Company, 12345, ABC, 124.381, 125.315, 6/15/02 14:31:05, scotto,
6/1/2002 2:00, XYZ Company, 12345, ABC, 125, 125.42, 6/15/02 14:31:05, scotto,
6/1/2002 3:00, XYZ Company, 12345, ABC, 125.17, 125.6, 6/15/02 14:31:05, scotto,
6/1/2002 4:00, XYZ Company, 12345, ABC, 131.28, 131, 6/15/02 14:31:05, scotto,
6/1/2002 5:00, XYZ Company, 12345, ABC, 130.54, 131.78, 6/15/02 14:31:05, scotto,
6/1/2002 6:00, XYZ Company, 12345, ABC, 132.246, 132.3, 6/15/02 14:31:05, scotto,
6/1/2002 7:00, XYZ Company, 12345, ABC, 136.4, 136.436, 6/15/02 14:31:05, scotto,
6/1/2002 8:00, XYZ Company, 12345, ABC, 129.35, 130, 6/15/02 14:31:05, scotto,
6/1/2002 9:00, XYZ Company, 12345, ABC, 132, 132, 6/15/02 14:31:05, scotto,
6/1/2002 10:00, XYZ Company, 12345, ABC, 132.1, 132, 6/15/02 14:31:05, scotto,
6/1/2002 11:00, XYZ Company, 12345, ABC, .....,.....
```

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. Also, 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.

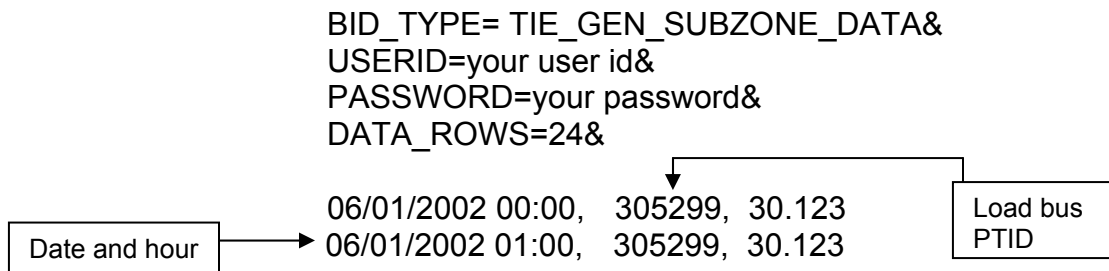
Data submitted via the LOAD_BUS_HOUR_DATA upload template is always preceded by a header that defines the "Bid Type" (LOAD_BUS_HOUR_DATA), the user's ID, the user's password, and the number of rows of data. An ampersand (&) defines the end of each entry field of the header.

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 HH: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). 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 June 1, 2002 for bus PTID 305299 would look like this:



```

06/01/2002 02:00, 305299, 30.123
      |           |           |
06/01/2002 21:00, 305299, 30.123 ←
06/01/2002 22:00, 305299, 30.123
06/01/2002 23:00, 305299, 30.123
  
```

Hourly MW values

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 followed by the data received by the MIS. For example:

```

TIME_STAMP=06/02/2002 09:27:14
BID_TYPE= LOAD_BUS_HOUR_DATA
DATA_ROWS=24
  
```

```

06/01/2002 00:00, 305299, 30.123
06/01/2002 01:00, 305299, 30.123
06/01/2002 02:00, 305299, 30.123
  
```

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 an entire day, or an entire month, and includes both the Metering Authority submitted value and the NYISO adjusted value. 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.

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
DATE	MM/DD/YYYY or MM/YYYY	Y
BUS PTID	PTID exactly as shown in MIS	N

The query to download load bus data for load bus PTID 78901 for June 1, 2002 would look like this:

USERID=your user ID&PASSWORD=your password&
 QUERY_TYPE= LOAD_BUS_HOUR_DETAIL&
 DATE=06/01/2002&PTID=78901&

The MIS response to the LOAD_BUS_HOUR_DETAIL query will provide the following data in csv format:

Date & Hour, Load Bus PTID, Load Bus Name, Metering Authority Hourly Value, NYISO Adjusted Hourly Value, Update Date and Hour, Update User

The returned data will appear as illustrated below.

```
6/1/2002 0:00, 78901, XXX West, 125.17, 124.25,6/15/02 14:31:05
6/1/2002 1:00, 78901, XXX West, 125.1, 124.42, 6/15/02 14:31:05
6/1/2002 2:00, 78901, XXX West, 125.1, 125.863, 6/15/02 14:31:05
6/1/2002 3:00, 78901, XXX West, 125.35, 125.05, 6/15/02 14:31:05
6/1/2002 4:00, 78901, XXX West, 131.678, 131, 6/15/02 14:31:05
6/1/2002 5:00, 78901, XXX West, 131.327, 130.42, 6/15/02 14:31:05
6/1/2002 6:00, 78901, XXX West, 132.1, 132.65, 6/15/02 14:31:05
6/1/2002 7:00, 78901, XXX West, 136.53, 136.357, 6/15/02 14:31:05
6/1/2002 8:00, 78901, XXX West, 130.86, 129, 6/15/02 14:31:05
6/1/2002 9:00, 78901, XXX West, 132.186, 132.975, 6/15/02 14:31:05
6/1/2002 10:00, 78901, XXX West, 132.5, 132.5, 6/15/02 14:31:05
6/1/2002 11:00, 78901, XXX West, ....., ....., .....
```

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 sub-zone load data for sub-zone 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 an "Metering Authority Subzone Load Data" query will include the following in csv format:

Date & Hour, Subzone PTID, Load Data (integrated MWhr), Loses value

The returned data will appear as illustrated below.

```
9/1/2001 0:00, 12345, 716.906, 5.234,
9/1/2001 1:00, 12345, 684.652, 4.2134,
9/1/2001 2:00, 12345, 658.39, 10.221,
9/1/2001 3:00, 12345, 641.323, 7.23,
9/1/2001 4:00, 12345, 642.829, 9.216,
9/1/2001 5:00, 12345, 633.675, 8.176,
9/1/2001 6:00, 12345, 654.738, 5.231,
9/1/2001 7:00, 12345, 706.675, 5,
9/1/2001 8:00, 12345, 770.594, 5.987,
9/1/2001 9:00, 12345, 811.354, 5.121,
9/1/2001 10:00, 12345, 822.451, 4.216,
9/1/2001 11:00, 12345, ....., .....
```

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	A flag signifying, for the subzone identified, that the meter authority signifies agreement 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&
```



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

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	Y

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

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

Section 2 - Access through interactive web displays

Tie line, generator, subzone, and load bus data may also be accessed, reviewed and updated via an interactive MIS web based feature. To utilize this feature it is first necessary to login to the NYISO MIS through the User Login page at <https://marketplace.nyiso.com/pgLogin.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 2-1.



Figure 2-1

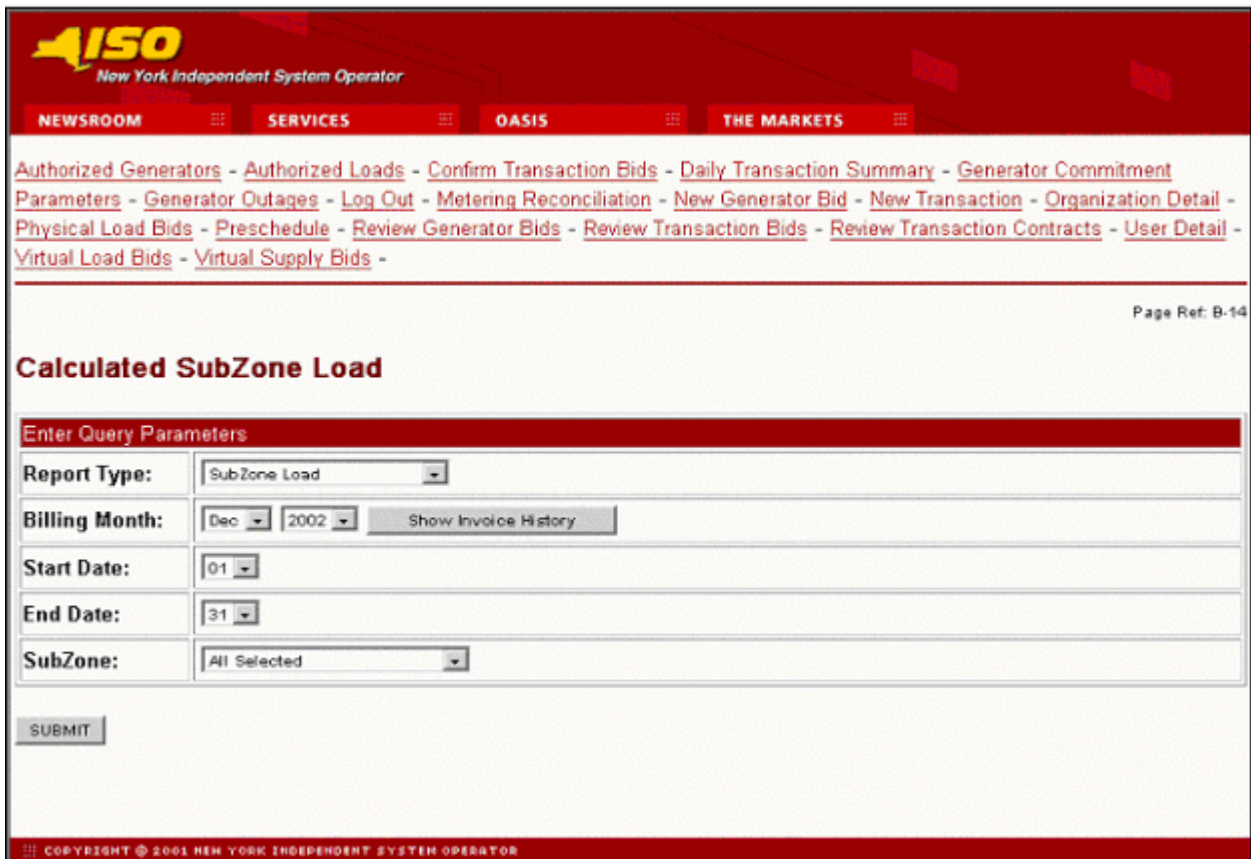
The *Calculated Subzone Load* query page (Figure 2-2) is the default page when the user first enters the Metering Reconciliation application. Clicking on the “Report Type” button accesses the other Metering Reconciliation query pages. A drop down menu lists the query options.

The *Calculated Subzone Load* query page enables the user to select the date, start and stop times, and the PTID of interest for viewing calculated subzone load data. If no PTID is selected, then all PTIDs that the user has access to will be provided for the date and times entered. After the query information is entered click on *Update* to retrieve the specified report, or *Reset* to clear the query fields.

The *Calculated Subzone Load* 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 providing a list of all available versions for the specified billing month. By default, a report will represent the current metering information.

Calculated Subzone Load Query Page

This query allows a meter authority to view their ISO calculated subzone load for a specific month. The *Calculated Subzone Load* 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.



The screenshot shows the NYISO website header with navigation tabs: NEWSROOM, SERVICES, OASIS, and THE MARKETS. Below the header is a list of links including Authorized Generators, Authorized Loads, Confirm Transaction Bids, Daily Transaction Summary, Generator Commitment Parameters, Generator Outages, Log Out, Metering Reconciliation, New Generator Bid, New Transaction, Organization Detail, Physical Load Bids, Preschedule, Review Generator Bids, Review Transaction Bids, Review Transaction Contracts, User Detail, Virtual Load Bids, and Virtual Supply Bids. The page reference is B-14.

Calculated SubZone Load

Enter Query Parameters

Report Type:	SubZone Load	
Billing Month:	Dec	2002
Start Date:	01	
End Date:	31	
SubZone:	All Selected	

SUBMIT

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Figure 2-2

After the query parameters have been entered the *Calculated Subzone Load* results page (Figure 2-3) 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 of the ISO data.

NEWSROOM
SERVICES
OASIS
THE MARKETS

[Authorized Generators](#) - [Authorized Loads](#) - [Confirm Transaction Bids](#) - [Daily Transaction Summary](#) - [Generator Commitment Parameters](#) - [Generator Outages](#) - [Log Out](#) - [Metering Reconciliation](#) - [New Generator Bid](#) - [New Transaction](#) - [Organization Detail](#) - [Physical Load Bids](#) - [Preschedule](#) - [Review Generator Bids](#) - [Review Transaction Bids](#) - [Review Transaction Contracts](#) - [User Detail](#) - [Virtual Load Bids](#) - [Virtual Supply Bids](#) -

Page Ref: Z-3

Calculated SubZone Load

Query Criteria:

Query Type:	SubZone Calculated Load	Name:	North
PTID:	12345	Bill Date:	06-JAN-03
Start Date/Time:	01-DEC-02 00:00:00		
End Date/Time:	01-DEC-02 23:00:00		

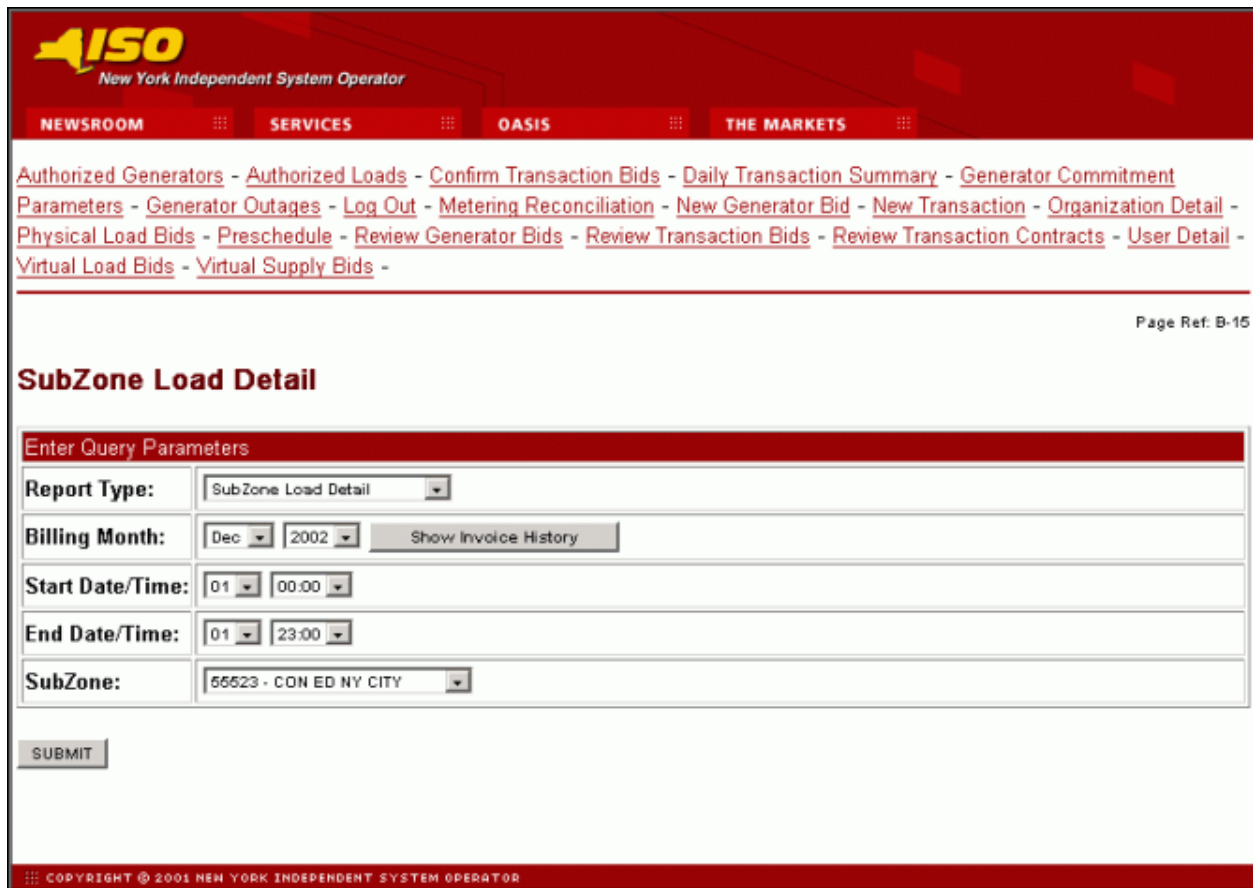
Date/Time	ISO Calculated MWH	Losses MWH	
01-DEC-02 00:00:00	65.8178	5.51	<input type="checkbox"/>
01-DEC-02 01:00:00	71.5960	5.51	<input type="checkbox"/>
01-DEC-02 02:00:00	67.9883	5.51	<input type="checkbox"/>
01-DEC-02 03:00:00	66.1126	5.51	<input type="checkbox"/>
01-DEC-02 04:00:00	64.2527	5.51	<input type="checkbox"/>
01-DEC-02 05:00:00	64.3877	5.51	<input type="checkbox"/>
01-DEC-02 06:00:00	75.8684	5.51	<input type="checkbox"/>
01-DEC-02 07:00:00	85.9617	5.51	<input type="checkbox"/>
01-DEC-02 08:00:00	87.3126	5.51	<input type="checkbox"/>
01-DEC-02 09:00:00	93.7651	5.51	<input type="checkbox"/>
01-DEC-02 10:00:00	101.4694	5.51	<input type="checkbox"/>
01-DEC-02 11:00:00	78.0311	5.51	<input type="checkbox"/>
01-DEC-02 12:00:00	85.9503	5.51	<input type="checkbox"/>
01-DEC-02 13:00:00	84.1502	5.51	<input type="checkbox"/>
01-DEC-02 14:00:00	84.8896	5.51	<input type="checkbox"/>
01-DEC-02 15:00:00	83.7733	5.51	<input type="checkbox"/>
01-DEC-02 16:00:00	91.4859	5.51	<input type="checkbox"/>
01-DEC-02 17:00:00	500.0000	5.51	<input type="checkbox"/>
01-DEC-02 18:00:00	104.4003	5.51	<input type="checkbox"/>
01-DEC-02 19:00:00	96.9589	5.51	<input type="checkbox"/>
01-DEC-02 20:00:00	101.6689	5.51	<input type="checkbox"/>
01-DEC-02 21:00:00	98.4676	5.51	<input type="checkbox"/>
01-DEC-02 22:00:00	91.6832	5.51	<input type="checkbox"/>
01-DEC-02 23:00:00	84.4575	5.51	<input type="checkbox"/>
Total:	2430.449		<input type="checkbox"/> Approved?

Figure 2-3

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Calculated Subzone Load Detail Query page

This report allows a meter authority to view how the ISO calculated their subzone load for a specific hour. The *Calculated 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.



The screenshot shows the NYISO web interface. At the top is the NYISO logo and navigation menu with links for NEWSROOM, SERVICES, OASIS, and THE MARKETS. Below the menu is a list of links: Authorized Generators, Authorized Loads, Confirm Transaction Bids, Daily Transaction Summary, Generator Commitment Parameters, Generator Outages, Log Out, Metering Reconciliation, New Generator Bid, New Transaction, Organization Detail, Physical Load Bids, Preschedule, Review Generator Bids, Review Transaction Bids, Review Transaction Contracts, User Detail, Virtual Load Bids, and Virtual Supply Bids. The page reference is B-15. The main heading is "SubZone Load Detail". Below this is a form titled "Enter Query Parameters" with the following fields:

Report Type:	SubZone Load Detail	
Billing Month:	Dec	2002
Start Date/Time:	01	00:00
End Date/Time:	01	23:00
SubZone:	55523 - CON ED NY CITY	

A SUBMIT button is located below the form. At the bottom of the page is the copyright notice: COPYRIGHT © 2001 NEW YORK INDEPENDENT SYSTEM OPERATOR.

Figure 2-4

After the query parameters have been submitted the results page is displayed (Figure 2-5). 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 - Hourly SubZone Gens/Ties/Losses

Query Criteria:

Query Type: SubZone Reported Load Name: North
 PTID: 123456
 Start Date/Time: 01-DEC-02 17:00:00
 End Date/Time: 01-DEC-02 17:00:00

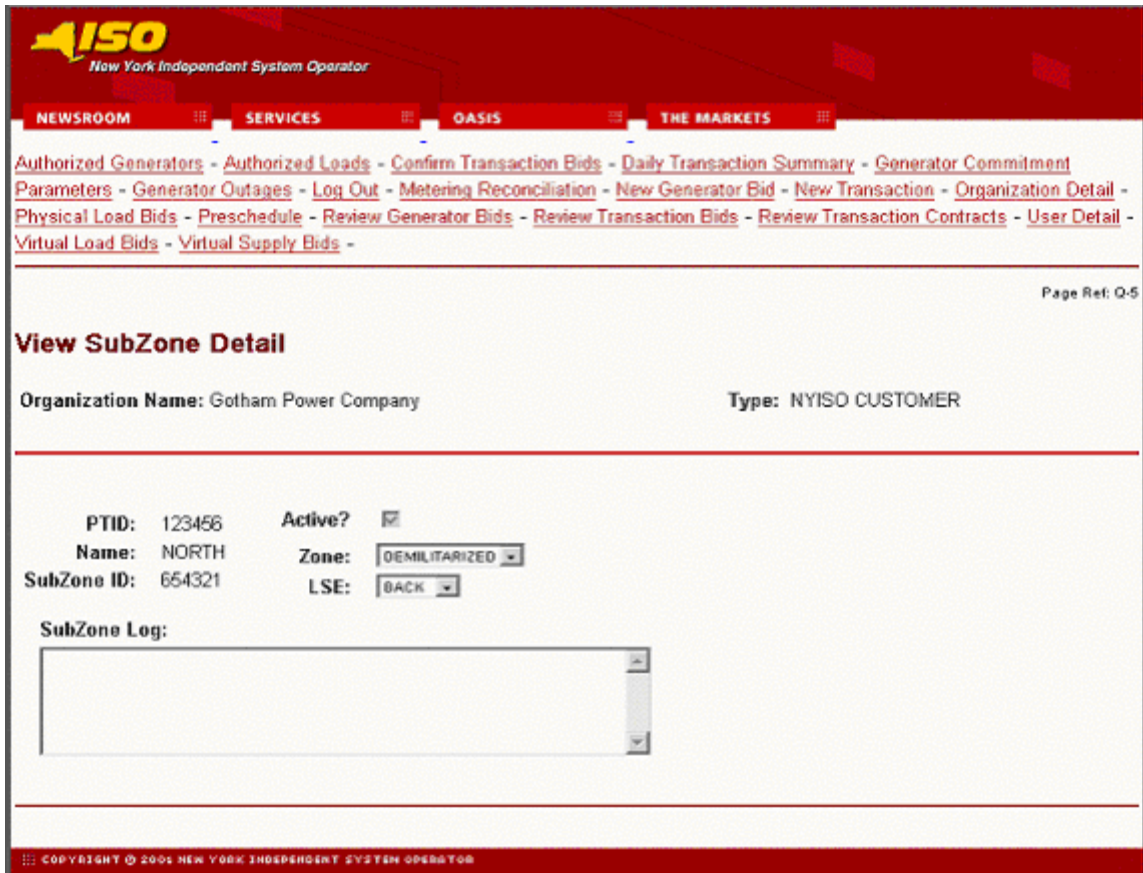
Click on a PTID name to view details of that PTID (Figure 2-6).

Start Date/Time: 01-DEC-02 17:00:00	Bill Date: 06-JAN-03	Loss: 10	Calculated SubZone Load: 500			
PTID Name	Type	MA Reported MWH	ISO PTS MWH	Meter Authority	Last Updated	Last Updated User
HARLEY DAVIDSON M32J	Tie	-134	129.8158	pa	02-DEC-02 17:08:05	
GOTHAM ATLANTIS RJ23	Tie	92	91.4292	pa	02-DEC-02 17:08:05	
HARLEY DAVIDSON 058L	Tie	-101	101.7086	pa	02-DEC-02 17:08:07	
ATLANTIS ELDORADO	Tie	15	25.9657	pa	02-DEC-02 17:08:12	
ACME ATLANTIS Y5407	Tie	-41	38.3258	sm	02-DEC-02 17:08:42	
ELDORADO ACME	Tie	-494.731	-492.1642	sm	02-DEC-02 17:08:42	
GOTHAM ELDORADO	Tie	17.731	-17.7617	sm	02-DEC-02 17:08:42	
HARLEY GOTHAM	Tie	18.231	-18.1798	sm	02-DEC-02 17:08:42	
ACME GOTHAM	Tie	-4.723	-6.642	sm	02-DEC-02 17:08:43	
SPRINGFIELD SHELBYVILLE	Tie	-28.676	28.5488	sm	02-DEC-02 17:08:43	
ACME SPRINGFIELD	Tie	17.705	8.7672	sm	02-DEC-02 17:08:44	
ACME SHELBYVILLE	Tie	0	9.0537	sm	02-DEC-02 17:08:44	
ELDORADO SHELBYVILLE	Tie	881	889.0653	pa	02-DEC-02 17:08:03	
GOTHAM SHELBYVILLE	Tie	217	67.33	pa	02-DEC-02 17:08:12	
GOTHAM SPRINGFIELD	Tie	0	72.3892	pa	02-DEC-02 17:09:12	
ELDORADO SPRINGFIELD	Tie	0	72.8893	pa	02-DEC-02 17:09:12	
ATLANTIS SPRINGFIELD	Tie	-44	43.835	pa	02-DEC-02 17:08:13	
ATLANTIS SHELBYVILLE	Tie	-154	155.1503	pa	02-DEC-02 17:08:13	
MAYBERRY SPRINGFIELD	Tie	2	2.5038	pa	02-DEC-02 17:08:12	
MAYBERRY SHELBYVILLE	Tie	36	35.2011	pa	02-DEC-02 17:08:12	
MAYBERRY GOTHAM	Tie	0	85.7574	pa	02-DEC-02 17:09:12	
ACME MAYBERRY	Tie	260	84.5829	pa	02-DEC-02 17:08:12	
MAYBERRY ELDORADO	Tie	0	90.9817	pa	02-DEC-02 17:09:12	
NINGUNA PARTE	Tie	12	11.9075	pa	02-DEC-02 17:08:14	
NIRGENDWO 451	Tie	435	35.3712	pa	02-DEC-02 17:08:12	
NESSUN POSTO	Tie	0		ny	03-DEC-02 13:15:30	
NENHUMA PARTE	Tie	0		sm	03-DEC-02 13:15:24	
HARLEY__1	Gen	698	698.6871	pa	02-DEC-02 17:08:11	
HARLEY__2	Gen	10	9.5783	sm	02-DEC-02 17:08:27	
GOTHAM__1	Gen	0	0	sm	02-DEC-02 17:08:30	
GOTHAM__2	Gen	3.62	3.6994	sm	03-DEC-02 13:15:16	
SPRINGFIELD SECTOR 79	Gen	1.273	1	sm	03-DEC-02 13:15:17	
GOTHAM_WEST	Gen			sm	02-DEC-02 17:12:44	

Figure 2-5

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 2-6.

Note: The purpose of this "User's Guide" is to facilitate participation in the NYISO by communicating various NYISO concepts, techniques, and processes to Market Participants before they can be formally documented in a NYISO manual. The information contained in this bulletin is subject to change as a result of a revision to the ISO Tariffs or a subsequent filed tariff with the Federal Energy Regulatory Commission.

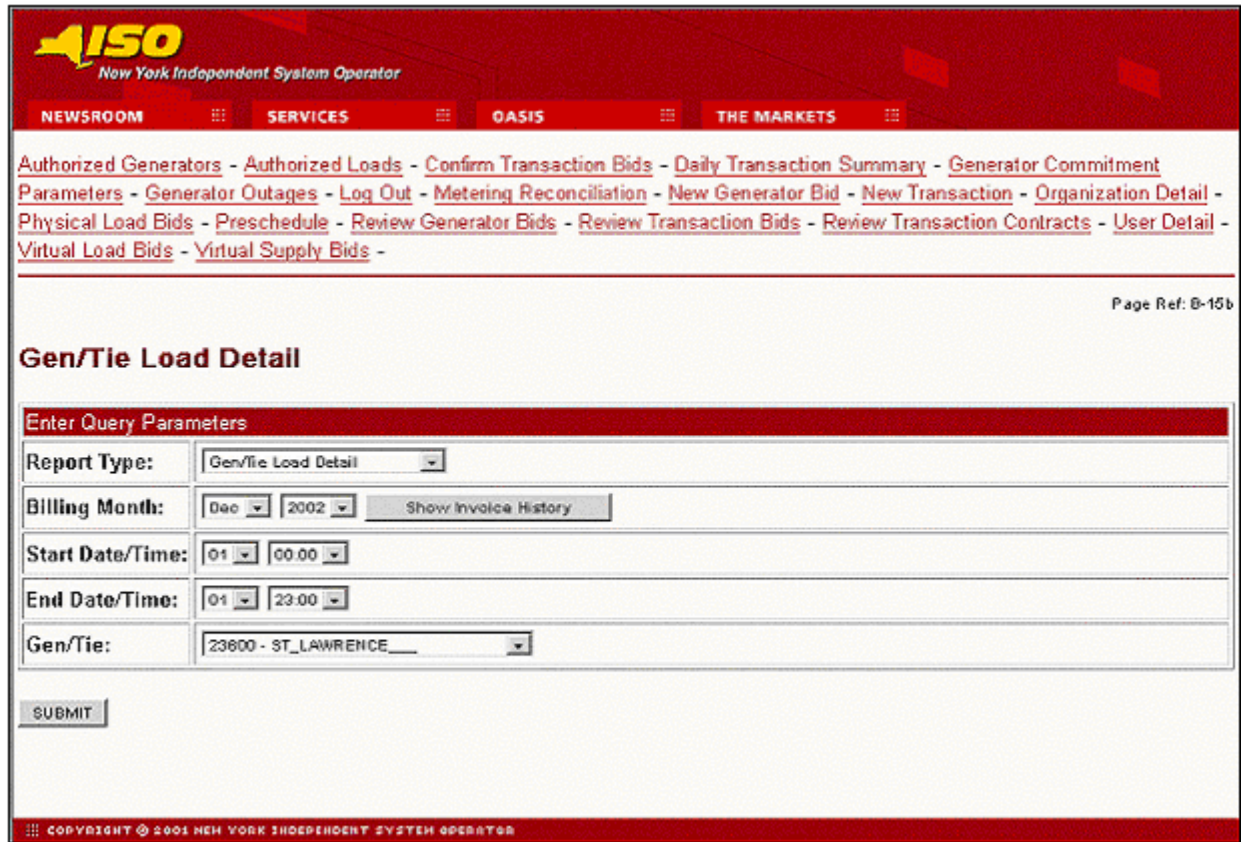


The screenshot displays the NYISO OASIS web interface. At the top, there is a red navigation bar with the NYISO logo and the text "New York Independent System Operator". Below the navigation bar, there are four main menu categories: NEWSROOM, SERVICES, OASIS, and THE MARKETS. A list of links is provided, including Authorized Generators, Authorized Loads, Confirm Transaction Bids, Daily Transaction Summary, Generator Commitment Parameters, Generator Outages, Log Out, Metering Reconciliation, New Generator Bid, New Transaction, Organization Detail, Physical Load Bids, Preschedule, Review Generator Bids, Review Transaction Bids, Review Transaction Contracts, User Detail, Virtual Load Bids, and Virtual Supply Bids. The page title is "View SubZone Detail". The organization name is "Gotham Power Company" and the type is "NYISO CUSTOMER". The form fields include PTID: 123456, Name: NORTH, SubZone ID: 654321, Active? (checked), Zone: DEMILITARIZED, and LSE: BACK. A SubZone Log section is present but empty. The footer contains the copyright notice: "COPYRIGHT © 2005 NEW YORK INDEPENDENT SYSTEM OPERATOR".

Figure 2-6

Gen/Tie Load Detail Query page

This report allows a meter authority to focus on an individual generator or tie. *The Gen/Tie Load Detail* query screen (Figure 2-7) includes a drop down menu of all generators and ties for which the user has the authorization to update the metering data. This report only displays the generators or ties that were selected, and provides the user with the ability to update the meter authority reported MWH.



The screenshot shows the NYISO web interface for the Gen/Tie Load Detail query. At the top, there is a navigation bar with links for NEWSROOM, SERVICES, OASIS, and THE MARKETS. Below this is a list of menu items including Authorized Generators, Authorized Loads, Confirm Transaction Bids, Daily Transaction Summary, Generator Commitment Parameters, Generator Outages, Log Out, Metering Reconciliation, New Generator Bid, New Transaction, Organization Detail, Physical Load Bids, Preschedule, Review Generator Bids, Review Transaction Bids, Review Transaction Contracts, User Detail, Virtual Load Bids, and Virtual Supply Bids. The page reference is 0-15b.

The main section is titled "Gen/Tie Load Detail" and contains an "Enter Query Parameters" form. The form fields are as follows:

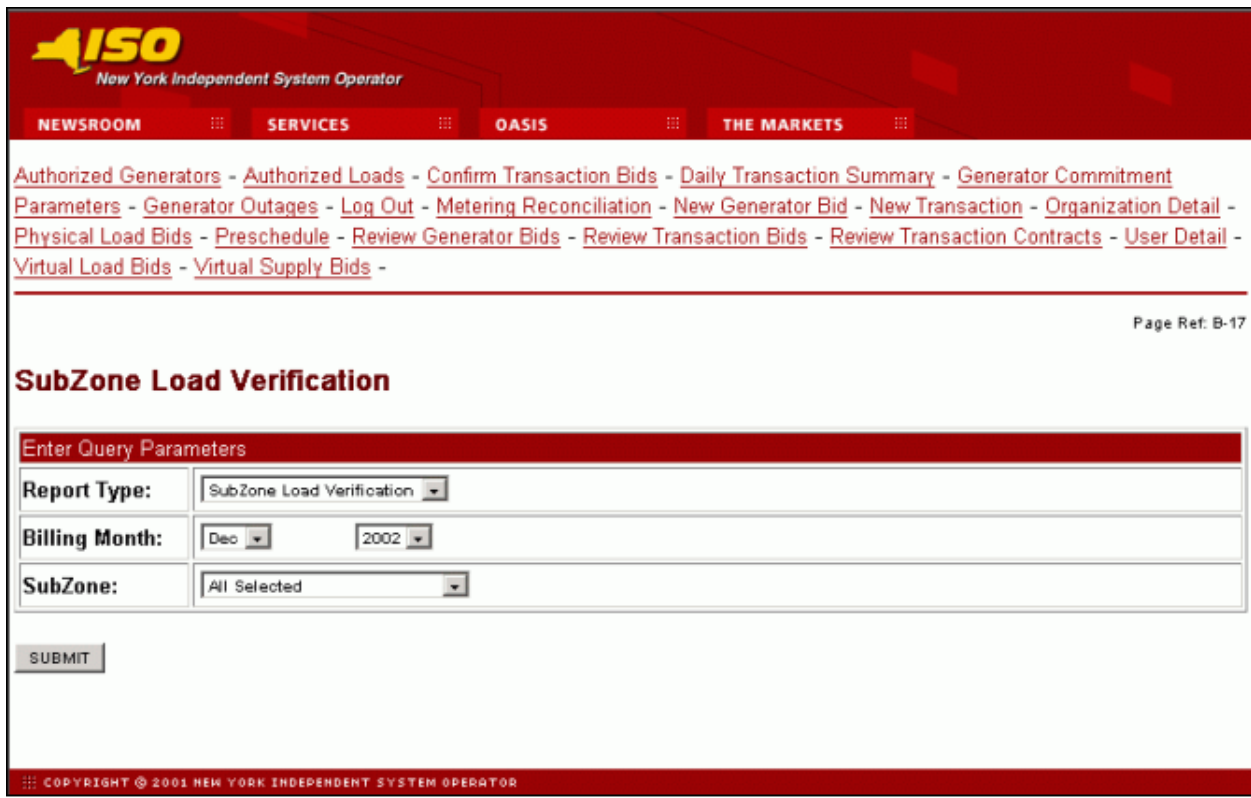
Report Type:	Gen/Tie Load Detail
Billing Month:	Dec 2002 <input type="button" value="Show Invoice History"/>
Start Date/Time:	01 00.00
End Date/Time:	01 23.00
Gen/Tie:	23600 - ST_LAWRENCE

There is a SUBMIT button below the form. At the bottom of the page, there is a copyright notice: COPYRIGHT © 2001 NEW YORK INDEPENDENT SYSTEM OPERATOR.

Figure 2-7

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 or not they accept the ISO calculated MWh data. From the query screen the user can select one, or all of their subzones.



The screenshot shows the NYISO website navigation menu with links for NEWSROOM, SERVICES, OASIS, and THE MARKETS. Below the menu is a list of navigation links including Authorized Generators, Authorized Loads, Confirm Transaction Bids, Daily Transaction Summary, Generator Commitment Parameters, Generator Outages, Log Out, Metering Reconciliation, New Generator Bid, New Transaction, Organization Detail, Physical Load Bids, Preschedule, Review Generator Bids, Review Transaction Bids, Review Transaction Contracts, User Detail, Virtual Load Bids, and Virtual Supply Bids. The page reference is B-17.

SubZone Load Verification

Enter Query Parameters

Report Type:	SubZone Load Verification	
Billing Month:	Dec	2002
SubZone:	All Selected	

SUBMIT

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Figure 2-8

This query produces a *Monthly Load Verification for Subzones* results page (Figure 2-9) 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 2-3) 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.

Monthly Load Verification for SubZones

Query Criteria:
 Query Type: SubZone Load Verification
 PTID:
 Start Date/Time:
 End Date/Time:

Date	Billing Date	SubZones					
		North	Northeast	East	Southeast	South	Southwest
12 / 1	06-JAN-03						
12 / 2	06-JAN-03						
12 / 3	06-JAN-03						
12 / 4	06-JAN-03						
12 / 5	06-JAN-03						
12 / 6	06-JAN-03						
12 / 7	06-JAN-03						
12 / 8	06-JAN-03						
12 / 9	06-JAN-03						
12 / 10	06-JAN-03						
12 / 11	06-JAN-03						
12 / 12	06-JAN-03						
12 / 13	14-JAN-03						
12 / 14	06-JAN-03						
12 / 15	06-JAN-03						
12 / 16	06-JAN-03						
12 / 17	06-JAN-03						
12 / 18	21-JAN-03						
12 / 19	06-JAN-03						
12 / 20	06-JAN-03						
12 / 21	06-JAN-03						
12 / 22	06-JAN-03						
12 / 23	06-JAN-03						
12 / 24	06-JAN-03						
12 / 25	06-JAN-03						
12 / 26	06-JAN-03						
12 / 27	06-JAN-03						
12 / 28	06-JAN-03						
12 / 29	06-JAN-03						
12 / 30	06-JAN-03						
12 / 31	06-JAN-03						

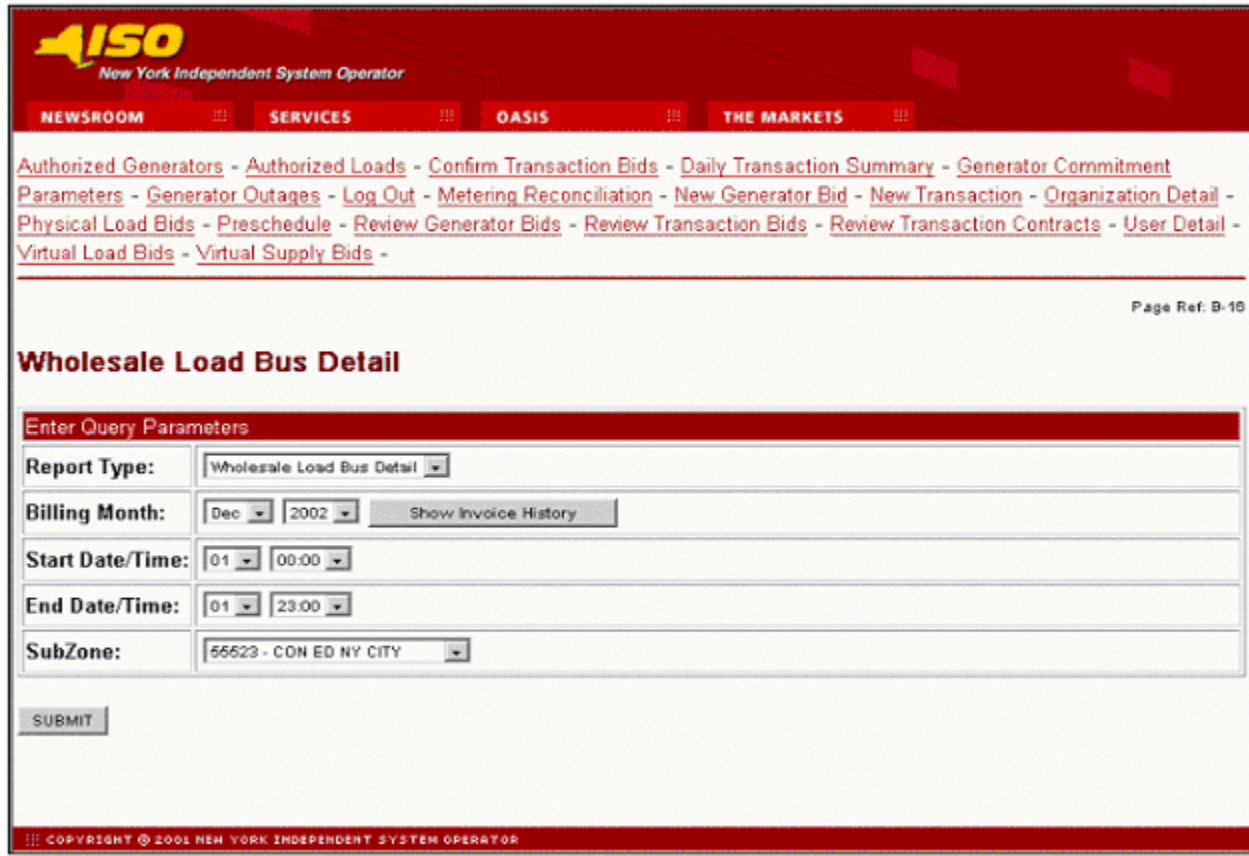
Click on a magnifying glass icon to view calculated subzone load data for that subzone for that day.

Figure 2-9

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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 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 2-11) 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.



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NEWSROOM SERVICES OASIS THE MARKETS

[Authorized Generators](#) - [Authorized Loads](#) - [Confirm Transaction Bids](#) - [Daily Transaction Summary](#) - [Generator Commitment Parameters](#) - [Generator Outages](#) - [Log Out](#) - [Metering Reconciliation](#) - [New Generator Bid](#) - [New Transaction](#) - [Organization Detail](#) - [Physical Load Bids](#) - [Preschedule](#) - [Review Generator Bids](#) - [Review Transaction Bids](#) - [Review Transaction Contracts](#) - [User Detail](#) - [Virtual Load Bids](#) - [Virtual Supply Bids](#) -

Page Ref: B-18

Wholesale Load Bus Detail

Enter Query Parameters

Report Type: Wholesale Load Bus Detail

Billing Month: Dec 2002

Start Date/Time: 01 00:00

End Date/Time: 01 23:00

SubZone: 55523 - CON ED NY CITY

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Figure 2-10

Wholesale Load Bus Detail

Query Criteria:
Query Type: SubZone Wholesale Bus Loads **PTID:** 12345
Start Date/Time: 01-JAN-02 05:00:00 **Name:** Southern Northeast
End Date/Time: 01-JAN-02 05:00:00

Date/Time: 01-JAN-02 05:00:00 **Bill Date:** 06-JAN-03

Ptid Name	MA Reported MWH	ISO Calculated MWH	Last Updated	Last Updated User	
STD-DELLCRK	0	0	19-OCT-02 14:45:47		
SL STD-SPRNGFLD	0	0	19-OCT-02 14:45:49		
345_2_ GPC-KG-GOTHAM	123.45	123.45	19-OCT-02 14:45:04		
345_1_ GPC-GRPTK12-KG-GOTHAM	12.34	12.34	19-OCT-02 14:45:03		
345_4_ DF-PFJOBS-KG-GOTHAM	12	12	19-OCT-02 14:45:40		
345_4_ DF-DRJ-SV-KG-GOTHAM	0	0	19-OCT-02 14:45:46		
345_4_ DF-DRJ-NA-KG-GOTHAM	0	0	19-OCT-02 14:45:46		
345_5_ KES-KG-GOTHAM	12.345	12.345	19-OCT-02 14:45:46		
345_6_ SPRNGFLD-KG-GOTHAM	12.345	12.345	19-OCT-02 14:45:40		
345_7_ DF-APX-KG-GOTHAM	0	0	19-OCT-02 14:45:40		
345_8_ CEDS-KG-GOTHAM	12.345	12.345	19-OCT-02 14:45:46		
345_0_ QUARRY-CTR-KG-GOTHAM	12.345	12.345	19-OCT-02 14:45:46		
345_2_ GPC-SHIELD12-KG-GOTHAM	12.345	12.345	19-OCT-02 14:45:40		
345_3_ SHELBY-KG-GOTHAM	0	0	19-OCT-02 14:45:40		
345_7_ FPLES-KG-GOTHAM	12.345	12.345	19-OCT-02 14:45:46		
789_2_ WIGRQZ-XK-GOTHAM	0	0	19-OCT-02 14:45:46		
789_2_ AEPQZ-XK-GOTHAM	0	0	19-OCT-02 14:45:40		
789_3_ PQETQZ-XK-GOTHAM	0	0	19-OCT-02 14:45:40		
789_3_ EKT-QZ-XK-GOTHAM	0	0	19-OCT-02 14:45:40		
Southern Northeast - Hourly Bus Load Subtotal		12.345	12.345	Tolerance: 12.34	Within Tolerance? <input checked="" type="checkbox"/>

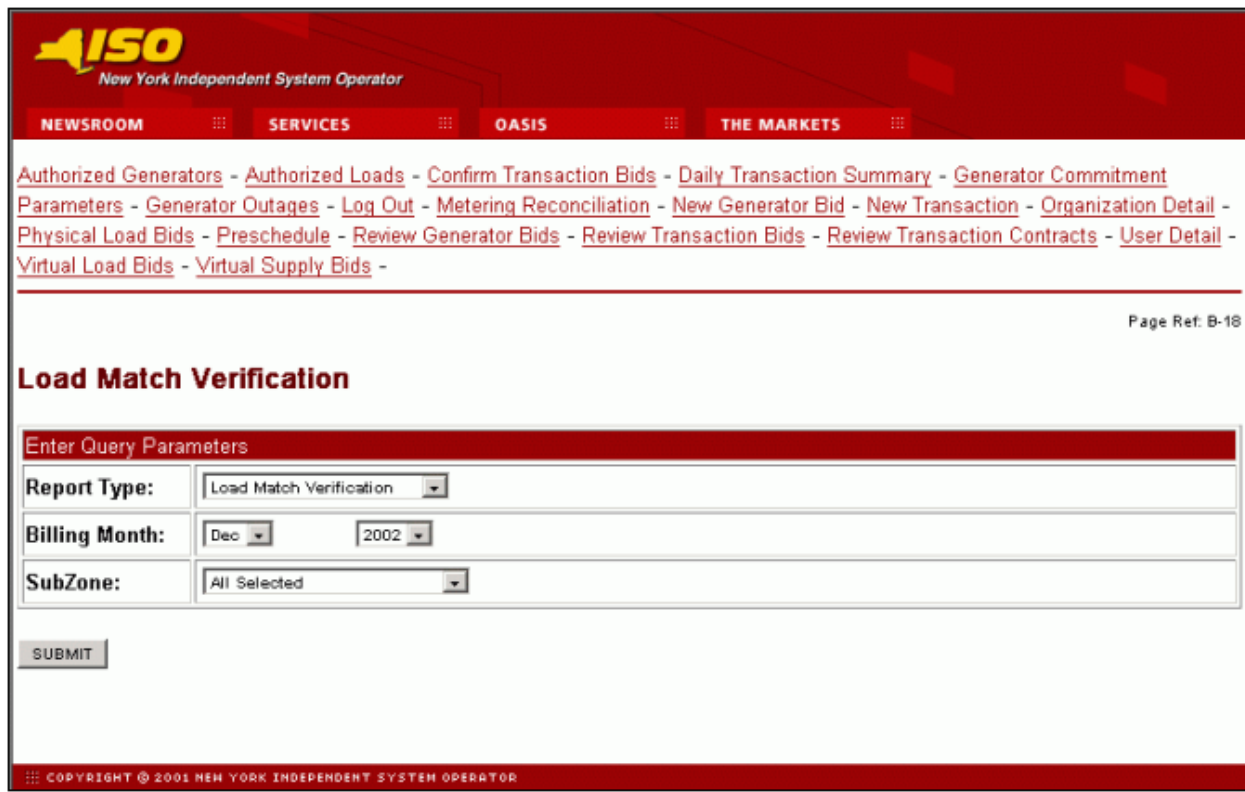
Click on a PTID name to view details of that PTID (Figure 2-6).

Figure 2-11

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Wholesale Load Match query page

Once a meter authority submits their wholesale load bus information for a given subzone for a given month, then they can proceed to the *Wholesale Load Match* query page. From this query page the user has the ability to choose a date and a specific subzone for which they would like to see if the sum of the wholesale loads matches the sum of the subzone (within tolerance).



Authorized Generators - Authorized Loads - Confirm Transaction Bids - Daily Transaction Summary - Generator Commitment Parameters - Generator Outages - Log Out - Metering Reconciliation - New Generator Bid - New Transaction - Organization Detail - Physical Load Bids - Preschedule - Review Generator Bids - Review Transaction Bids - Review Transaction Contracts - User Detail - Virtual Load Bids - Virtual Supply Bids -

Page Ref: B-18

Load Match Verification

Enter Query Parameters

Report Type:	Load Match Verification
Billing Month:	Dec 2002
SubZone:	All Selected

SUBMIT

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Figure 2-12

The Wholesale Load Match query yields a table (Figure 2-13) that signifies if the sum of the wholesale loads matches the subzone load value (within tolerance) for all subzones selected for each day for the month selected. A checkmark (✓) indicates that the values agree, and an X indicates that the values are not within the tolerance.



New York Independent System Operator

Web Based Reconciliation **draft** User's Guide

Monthly Wholesale Bus Load Verification

Query Criteria:
 Query Type: Wholesale Bus Load Verification
 PTID:
 Start Date/Time:
 End Date/Time:

Date	Billing Date	SubZones						
		North	Northeast	East	Southeast	South	Southwest	West
12 / 1	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 2	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 3	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 4	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 5	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 6	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 7	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 8	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 9	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 10	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 11	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 12	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 13	14-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 14	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 15	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 16	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 17	06-JAN-03	✗	✓	✓	✓	✓	✓	✓
12 / 18	21-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 19	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 20	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 21	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 22	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 23	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 24	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 25	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 26	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 27	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 28	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 29	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 30	06-JAN-03	✓	✓	✓	✓	✓	✓	✓
12 / 31	06-JAN-03	✓	✓	✓	✓	✓	✓	✓

Figure 2-13

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User Detail Information

A user may review information pertaining to the privileges assigned to the user via the *User Detail* (Figure 2-14) page.

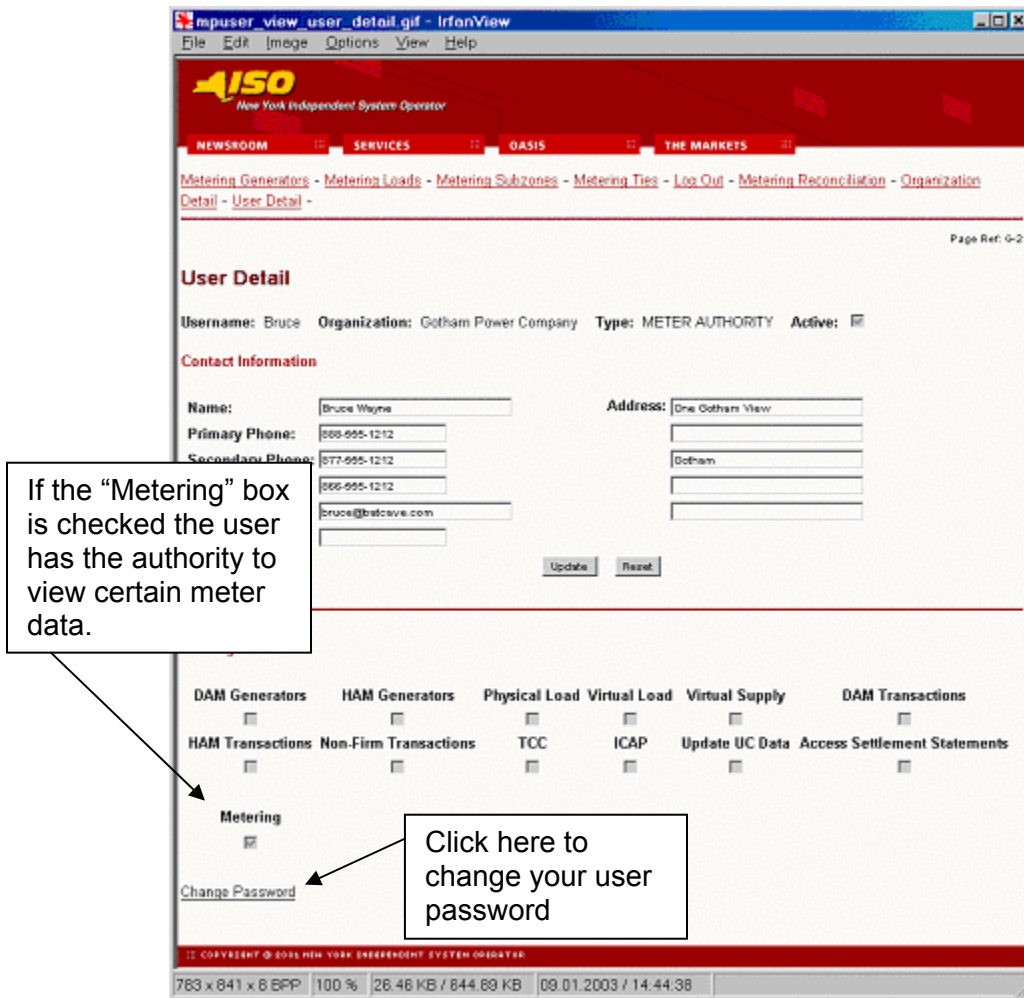


Figure 2-14

Links at the top of the *User Detail* page provide access to additional displays that define the specific loads, ties, subzones, and generators (Figure 2-15) that the individual user is authorized to view, as well as information about the organization (Figure 2-16).

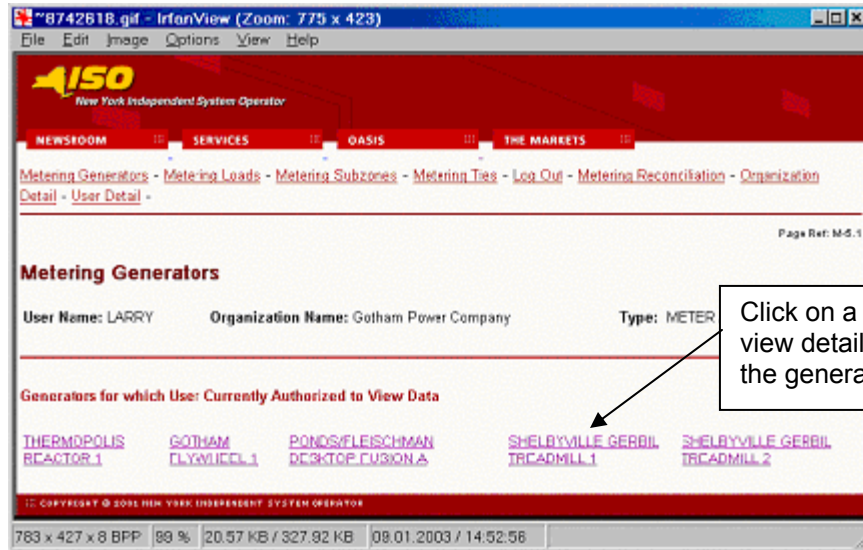


Figure 2-15

The *Metering Generators* page (Figure 2-15) 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. An *Organization Detail* page (Figure 2-16) displays information about the organization.

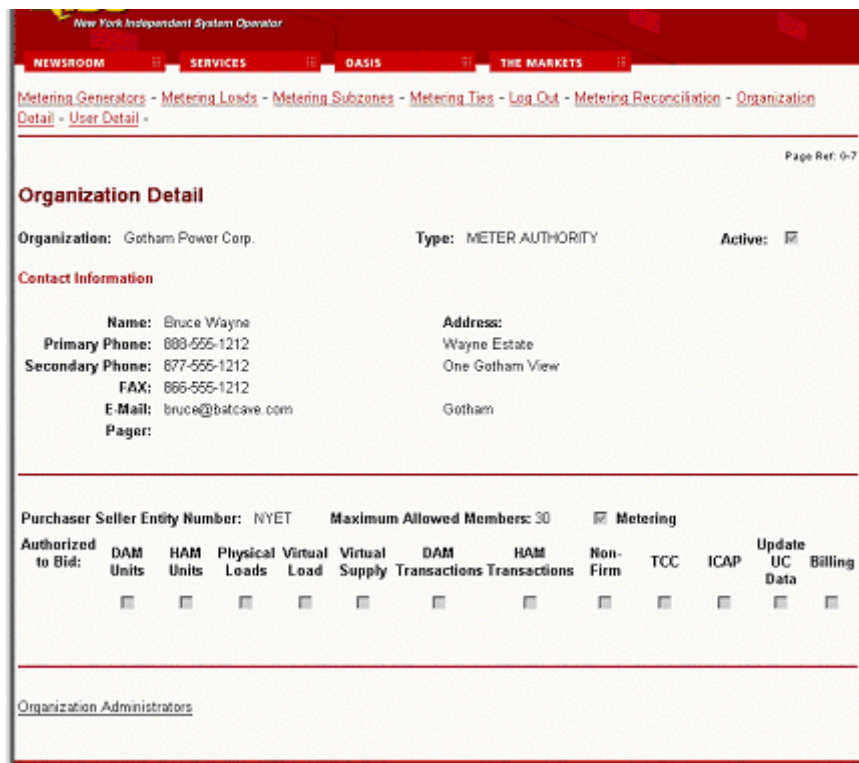


Figure 2-16

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Section 3 - 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 Market Participant User's Guide.

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 3-1) for that user.

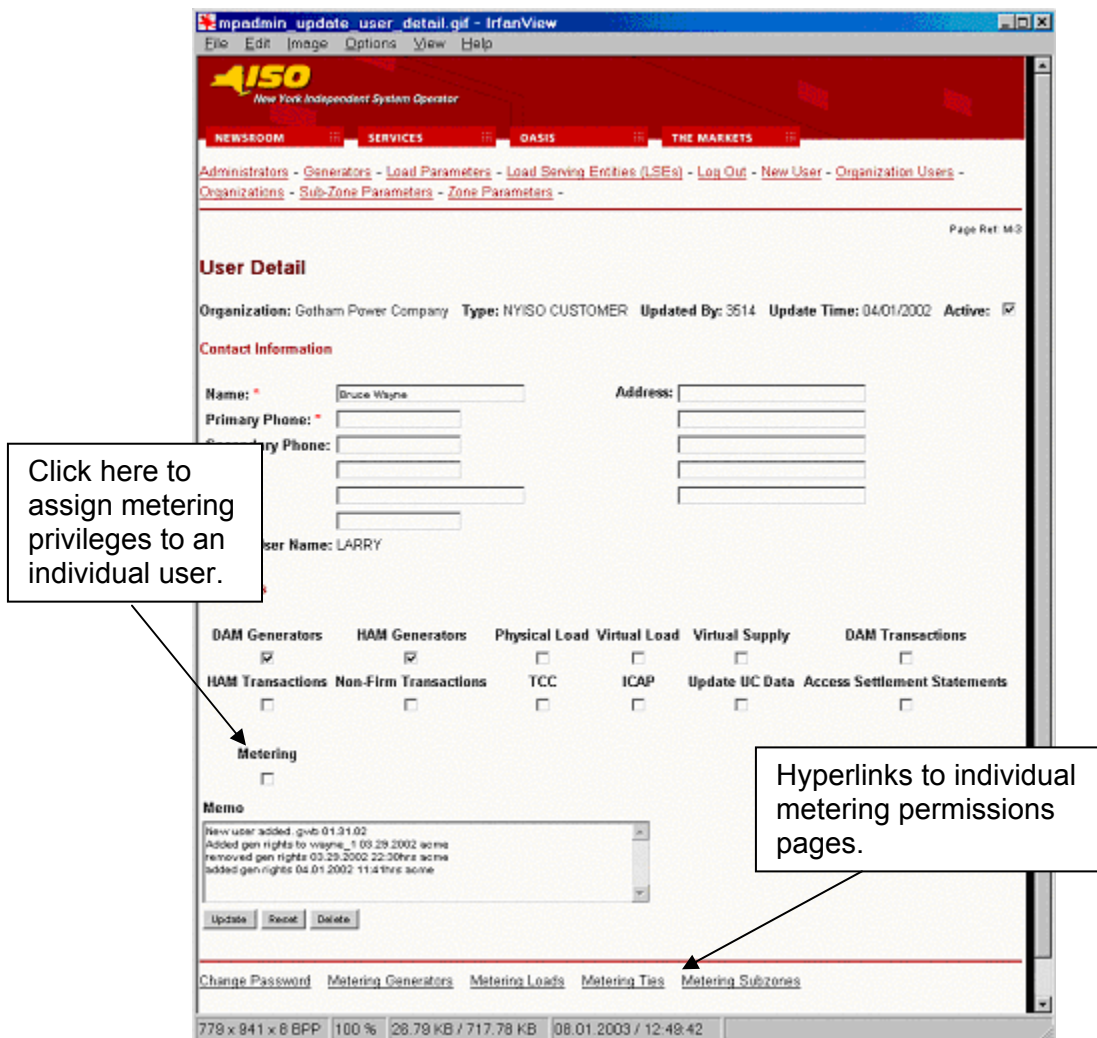


Figure 3-1

To assign meter data submission and review 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 3-1). The *Metering Generators* page (Figure 3-2) enables the system administrator to view the generators that the selected user is authorized to view and provides a mechanism to change the authorizations.

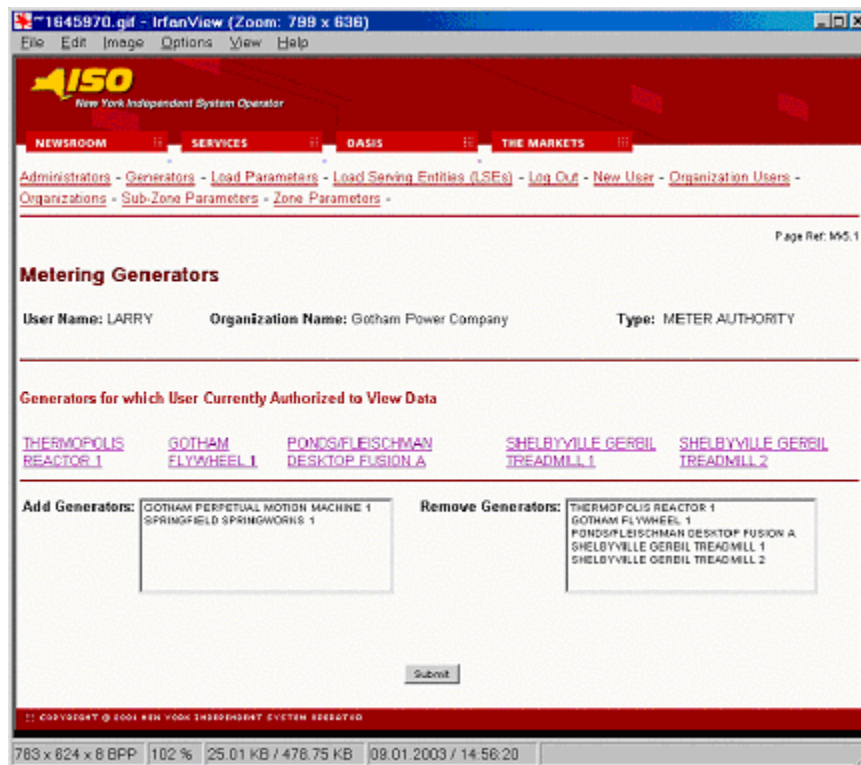


Figure 3-2

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 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” also serve as hyperlinks to Generator Details pages (Figure 3-3) that provide additional information about the selected generator.



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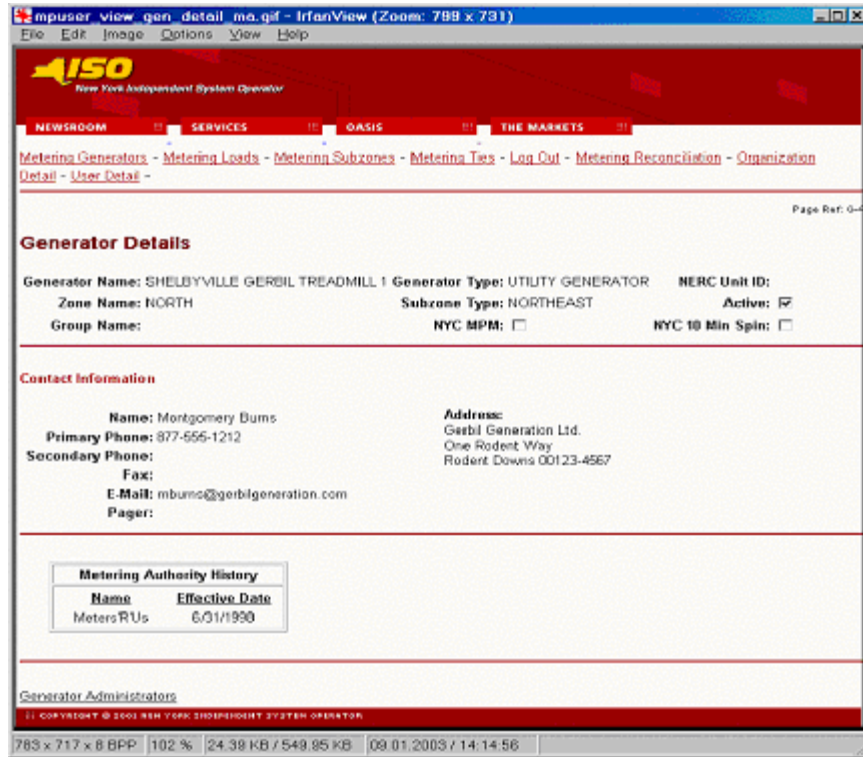


Figure 3-3

Note: The purpose of this "User's Guide" is to facilitate participation in the NYISO by communicating various NYISO concepts, techniques, and processes to Market Participants before they can be formally documented in a NYISO manual. The information contained in this bulletin is subject to change as a result of a revision to the ISO Tariffs or a subsequent filed tariff with the Federal Energy Regulatory Commission.

Metering Loads permissions page

This page is accessed via the hyperlink located at the bottom of the *User Detail* page (Figure 3-1). The *Metering Loads* page (Figure 3-4) enables the system administrator to view the loads that the selected user is authorized to view and provides a mechanism to change the authorizations.

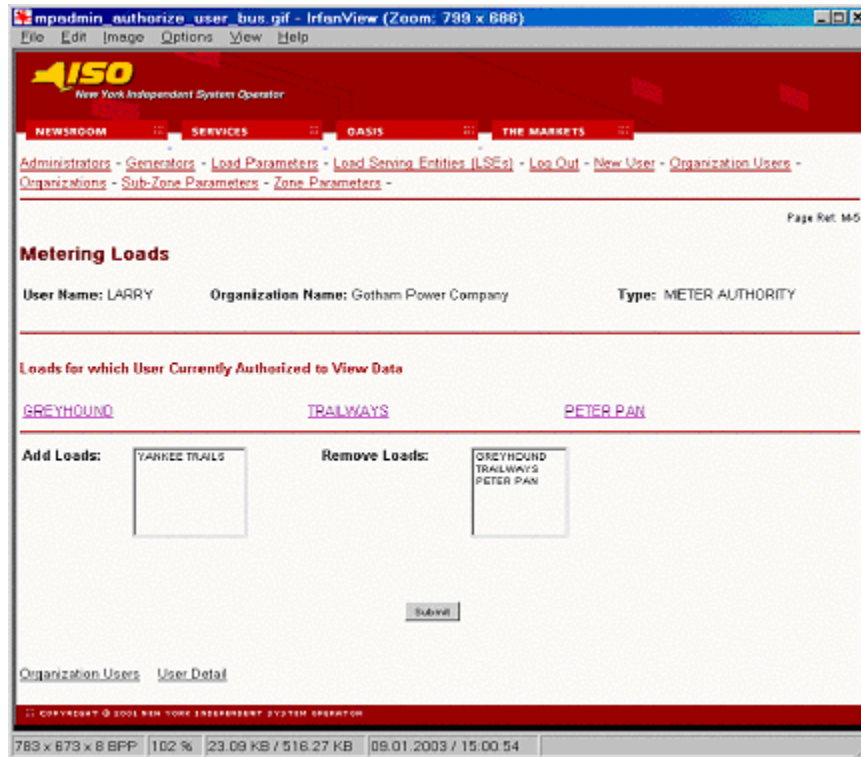


Figure 3-4

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 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 3-5) that provide additional information about the selected load.

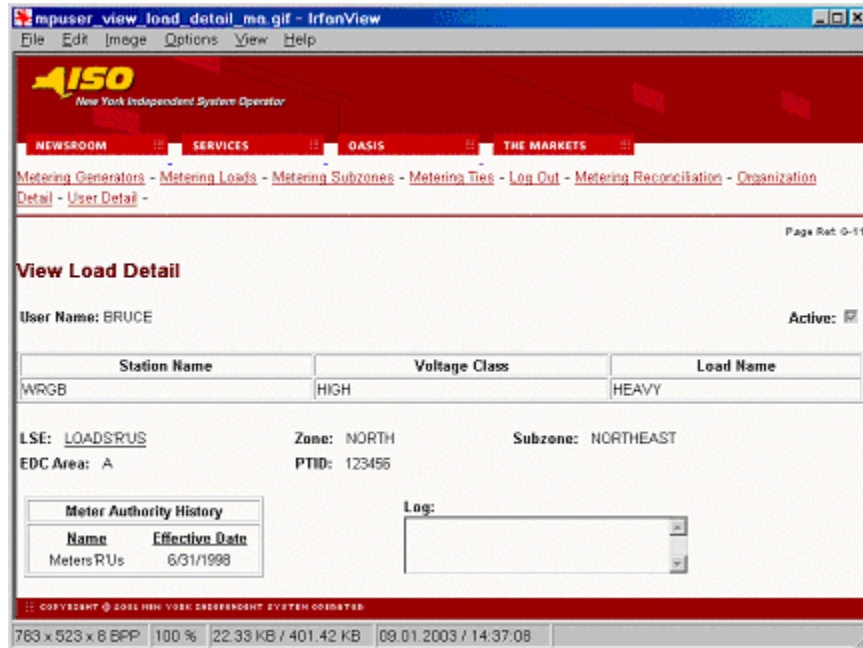


Figure 3-5

Metering Ties permissions page

This page is accessed via the hyperlink located at the bottom of the *User Detail* page (Figure 3-1). The *Metering Ties* page (Figure 3-6) enables the system administrator to view the ties that the selected user is authorized to view and provides a mechanism to change the authorizations.

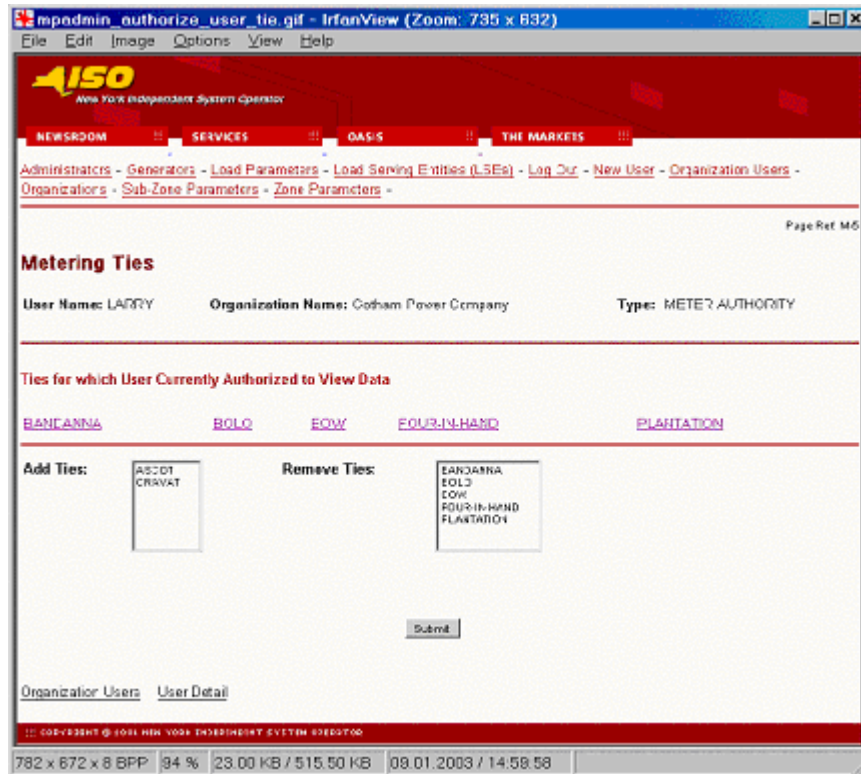
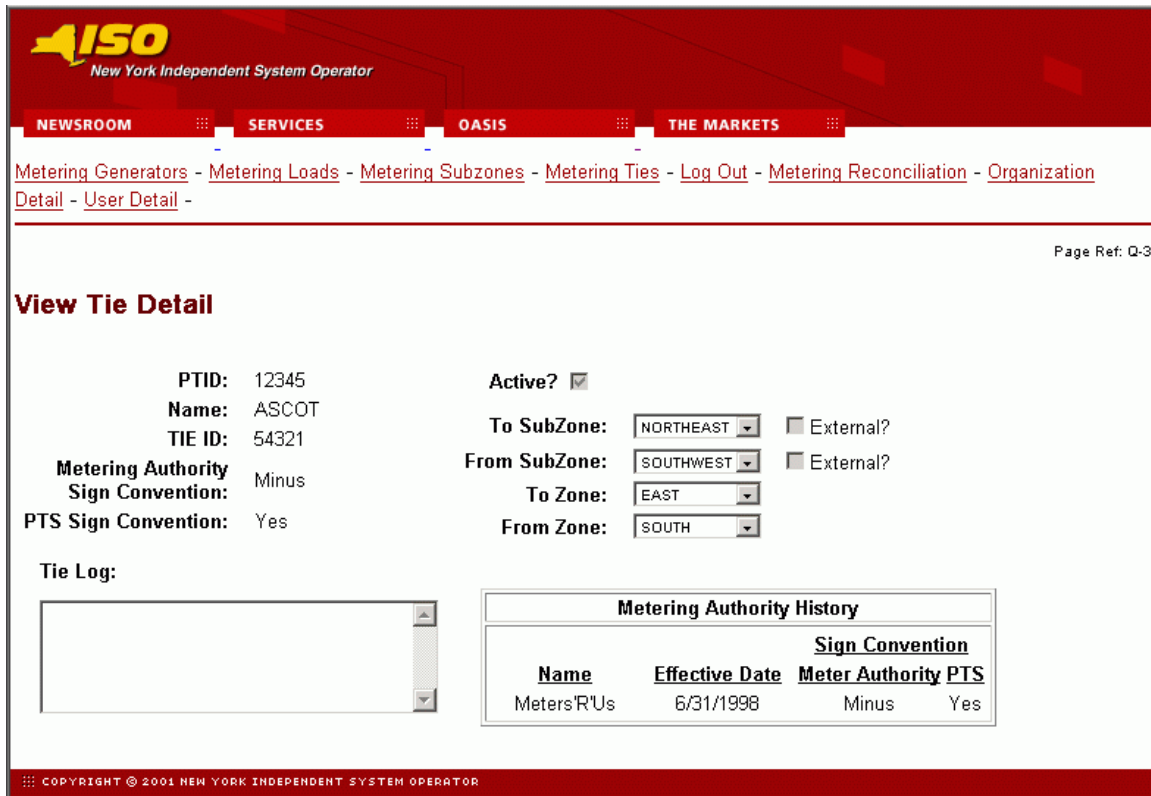


Figure 3-6

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 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 3-7) that provide additional information about the selected tie.



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[Metering Generators](#) - [Metering Loads](#) - [Metering Subzones](#) - [Metering Ties](#) - [Log Out](#) - [Metering Reconciliation](#) - [Organization Detail](#) - [User Detail](#) -

Page Ref: Q-3

View Tie Detail

PTID: 12345 **Active?**

Name: ASCOT **To SubZone:** NORTHEAST External?

TIE ID: 54321 **From SubZone:** SOUTHWEST External?

Metering Authority Sign Convention: Minus **To Zone:** EAST

PTS Sign Convention: Yes **From Zone:** SOUTH

Tie Log:

Metering Authority History				
Name	Effective Date	Meter Authority	PTS	Sign Convention
Meters'R'Us	6/31/1998	Minus	Yes	

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Figure 3-7

Metering Subzones permissions page

This page is accessed via the hyperlink located at the bottom of the *User Detail* page (Figure 3-1). The *Metering Subzones* page (Figure 3-8) enables the system administrator to view the subzones that the selected user is authorized to view and provides a mechanism to change the authorizations.

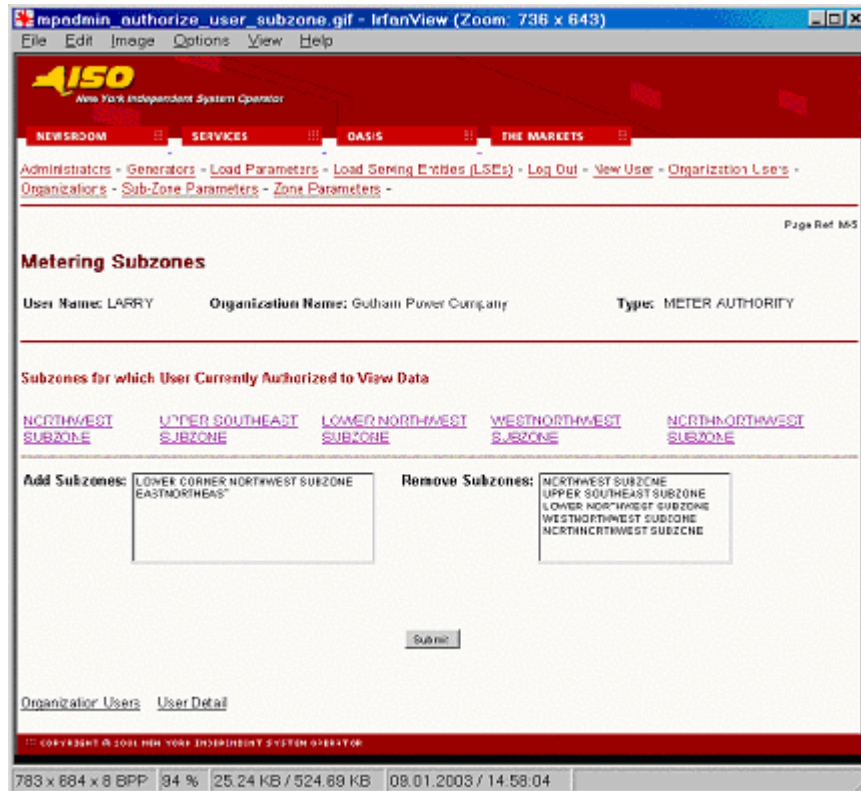


Figure 3-8

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 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 3-9) that provide additional information about the selected subzone.

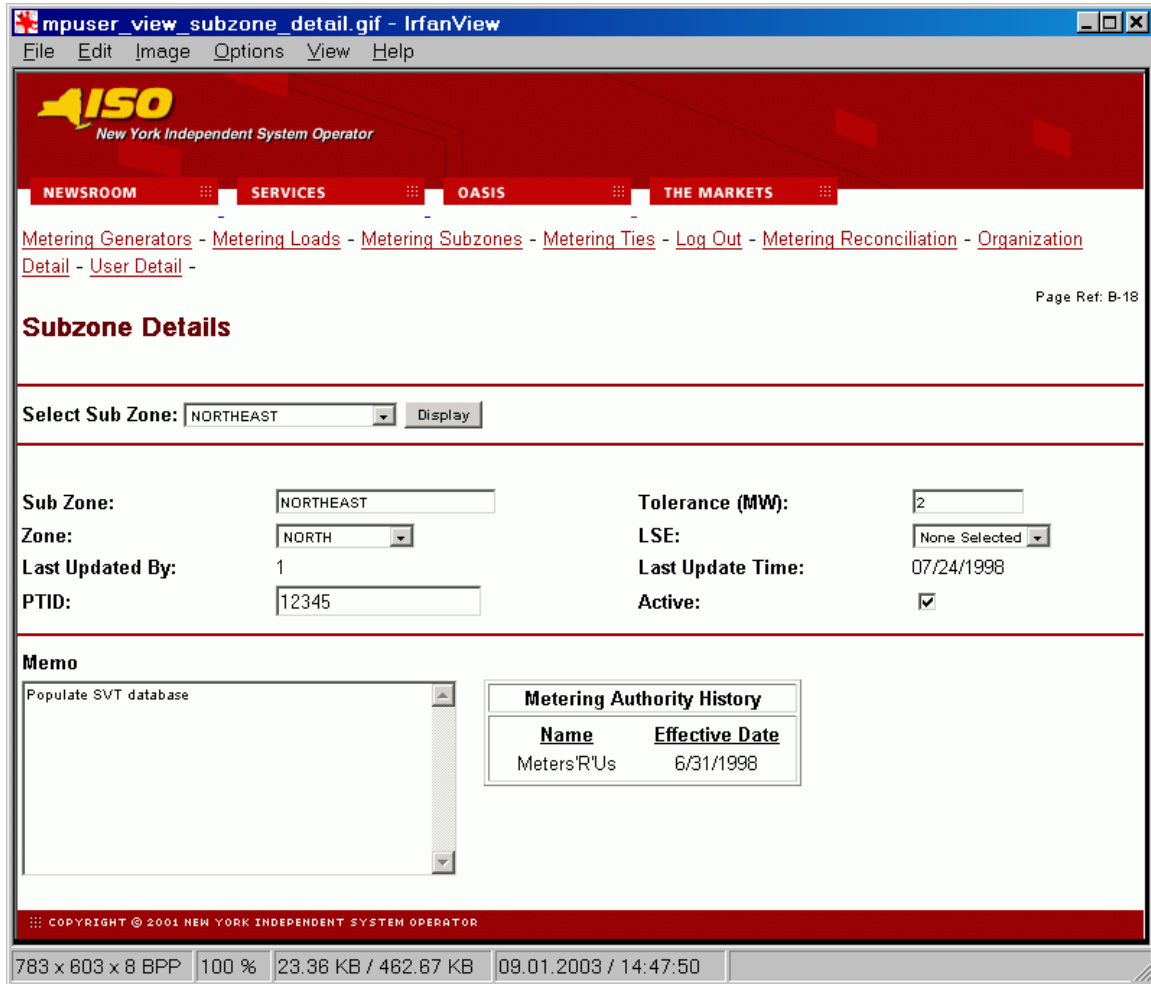


Figure 3-9