New York
Independent System Operator

draft Technical Bulletin # 112

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Subject: Web Based Reconciliation queries

The NYISO Web Based Reconciliation application enables authorized NYISO generator operators and LSEs to dynamically query and view their respective hourly MW data by PTID.

Details:

The NYISO Web Based Reconciliation application includes provisions for generator operators and LSEs to query and review the hourly MW values associated with their respective generator and load busses. The application supports the batch processing of queries through the use of upload/download templates as well as dedicated web screens.

This Technical Bulletin 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.

Accessing LSE 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.

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 June 1, 2002 would look like this:

USERID=your user ID&PASSWORD=your password&
QUERY_TYPE= LOAD_BUS_HOUR_DETAIL&
BILLING_MONTH=04/07/2002&PTID=78901&

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=04/07/2002 08:41:37
BID_TYPE= LOAD_BUS_HOUR_DETAIL
DATA_ROWS=23

“04/07/2002 00:00”,“04/07/2002”,0,78901,“XXX West”,125.17,”06/15/2002 14:31”,”scotto”,”Y”
“04/07/2002 01:00”,“04/07/2002”,0,78901,”XXX West”,125.1,“06/15/2002 14:31”,”scotto”,”Y”
“04/07/2002 03:00”,“04/07/2002”,0,78901,”XXX West”,125.35,“06/15/2002 14:31”,”scotto”,”Y”
“04/07/2002 04:00”,“04/07/2002”,0,78901,“XXX West”,131.678,“06/152002 14:31”,”scotto”,”Y”
“04/07/2002 05:00”,“04/07/2002”,0,78901,“XXX West”,131.327,“06/15/2002 14:31”,”scotto”,”Y”
“04/07/2002 06:00”,“04/07/2002”,0,78901,”XXX West”,132.1,“06/15/2002 14:31”,”scotto”,”Y”
“04/07/2002 07:00”,“04/07/2002”,0,78901,“XXX West”,136.53,“06/15/2002 14:31”,”scotto”,”Y”
“04/07/2002 08:00”,“04/07/2002”,0,78901,”XXX West”,130.86,“06/15/2002 14:31”,”scotto”,”Y”
“04/07/2002 09:00”,“04/07/2002”,0,78901,”XXX West”,132.186,“06/15/2002 14:31”,”scotto”,”Y”
“04/07/2002 10:00”,“04/07/2002”,0,78901,“XXX West”,132.5,“06/15/2002 14:31”,”scotto”,”Y”
“04/07/2002 11:00”,“04/07/2002”,0,78901,”XXX West”, …… ……

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&

Load bus data may also be accessed through the use of interactive MIS web screens. The “Wholesale Load Bus Detail” screen enables the LSE to specify the billing month of interest, and enter start and end dates and times for the query. The “Wholesale Load Bus Detail” screen is accessed through the NYISO MIS.

To utilize the "Wholesale Load Bus Detail" web screen 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 1.

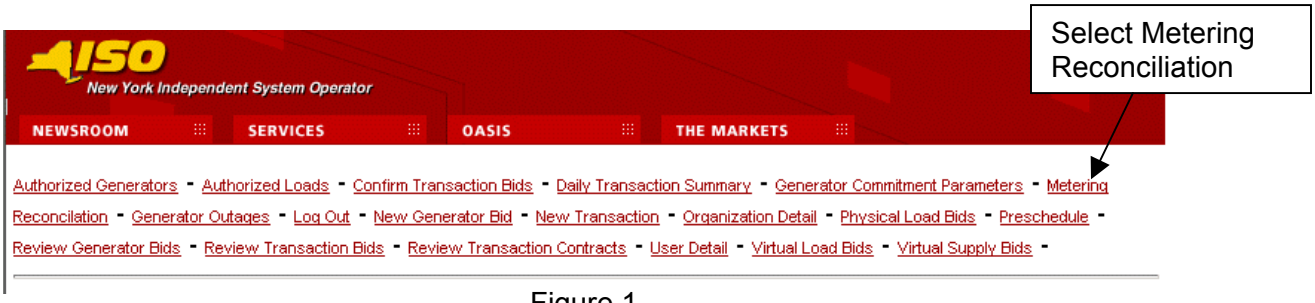


Figure 1

On the page that appears select *Wholesale Load Bus Detail* from the drop down menu adjacent to the *Report Type* field.

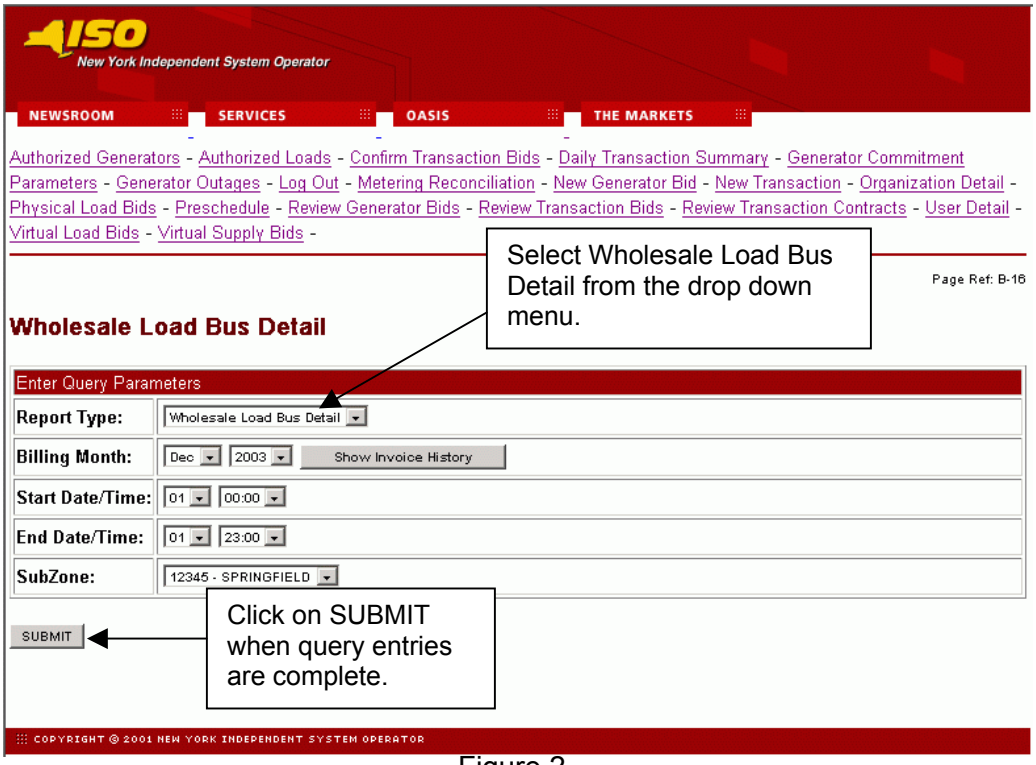
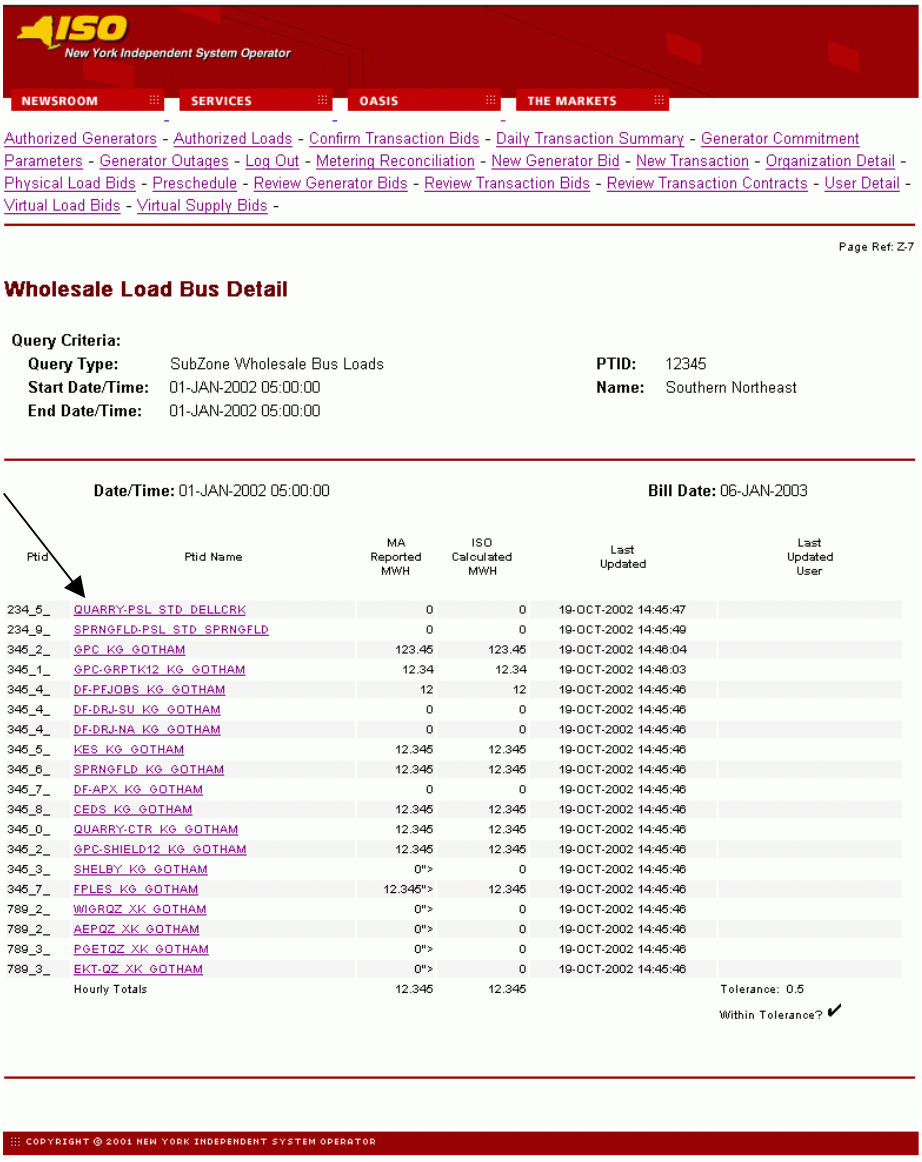


Figure 2

From the *Wholesale Bus Load Detail* query page the LSE has the ability to choose a date or date/time frame, and a specific subzone for which they wish to view their wholesale load bus data. Once the query criteria are submitted the *Wholesale Load Bus Detail* results page (Figure 3) is displayed with the PTIDs for which the LSE is authorized.



Click on a PTID name to view details of that PTID (Figure 4).

Figure 3

Clicking on an individual PTID on the *Wholesale Load Bus Detail* screen will yield the *Load Details* screen that provides details concerning the selected PTID.

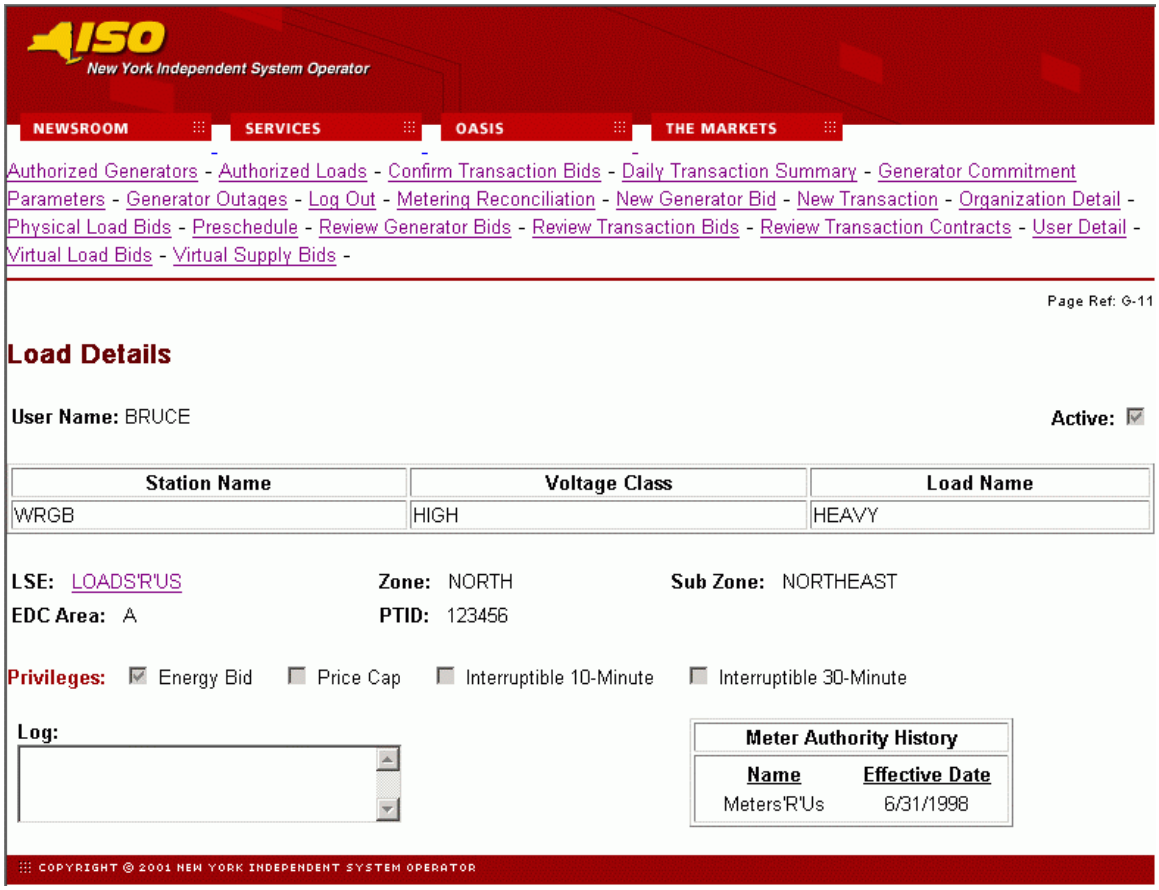


Figure 4

Accessing generator bus data

The "TIE_GEN_SUBZONE_DETAIL" download template enables a generator operator to download their hourly MW data for a specified period of time within a month. The user can enter a single PTID, or select up to 10 PTIDs at one time. If the PTID field is left blank, then every PTID associated with the generator 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
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
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 sub-zone data for sub-zone PTID 12345 for October 27, 2002 would look like this:

USERID=your user ID&PASSWORD=your password&
QUERY_TYPE= TIE_GEN_SUBZONE_DETAIL&
BILLING_MONTH=10/27/2002&PTID=12345&

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=10/28/2002 08:41:37
BID_TYPE= TIE_GEN_SUBZONE_DETAIL
DATA_ROWS=25

"10/27/2002 00:00","10/27/2002",0,"XYZ Company",12345,"ABC",124.23,125.24,"12/15/2002 14:31","scott","Y"
"10/27/2002 01:00","10/27/2002",0,"XYZ Company",12345,"ABC",124.38,125.315,"12/15/2002 14:31","scott","Y"

“10/27/2002 25:00”,“10/27/2002”,0,“XYZ Company”,12345,“ABC”,124.38,125.315,“12/15/2002 14:31”,“scott”,”Y”
“10/27/2002 02:00”,“10/27/2002”,0,“XYZ Company”,12345,“ABC”,125,125.42,“12/15/2002 14:31”,“scott”,”Y”
“10/27/2002 03:00”,“10/27/2002”,0, XYZ Company”,12345,“ABC”,125.17,125.6,“12/15/2002 14:31”,“scott”,”Y”
“10/27/2002 04:00”,“10/27/2002”,0,“XYZ Company”,12345,“ABC”,131.28,131,“12/15/2002 14:31”,“scott”,”Y”
“10/27/2002 05:00”,“10/27/2002”,0,”XYZ Company”,12345,“ABC”,130.54,131.78,“12/15/2002 14:31”,“scott”,”Y”
“10/27/2002 06:00”,“10/27/2002”,0,”XYZ Company”,12345,“ABC”,132.246,132.3,“12/15/2002 14:31”,“scott”,”N”
“10/27/2002 07:00”,“10/27/2002”,0,“XYZ Company”,12345,“ABC”,136.4,136.436,“12/15/2002 14:31”,“scott”,”Y”
“10/27/2002 08:00”,“10/27/2002”,0,”XYZ Company”,12345,“ABC”,129.35,130,“12/15/2002 14:31”,“scott”,”Y”
“10/27/2002 09:00”,“10/27/2002”,0,“XYZ Company”,12345,“ABC”,132,132,“12/15/2002 14:31”,“scott”,”Y”
“10/27/2002 10:00”,“10/27/2002”,0,“XYZ Company”,12345,“ABC”,132.1,132,“12/15/2002 14:31”,“scott”,”Y”
“10/27/2002 11:00”,“10/27/2002”,0,“XYZ Company”,12345,“ABC”, …….

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&

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.

To utilize the “*Gen/Tie Load Detail*” web screen 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 onto the NYISO MIS select *Metering Reconciliation* as illustrated in Figure 1. On the page that appears select *Gen/Tie Load Detail* from the drop down menu adjacent to the Report Type field (see Figure 5).

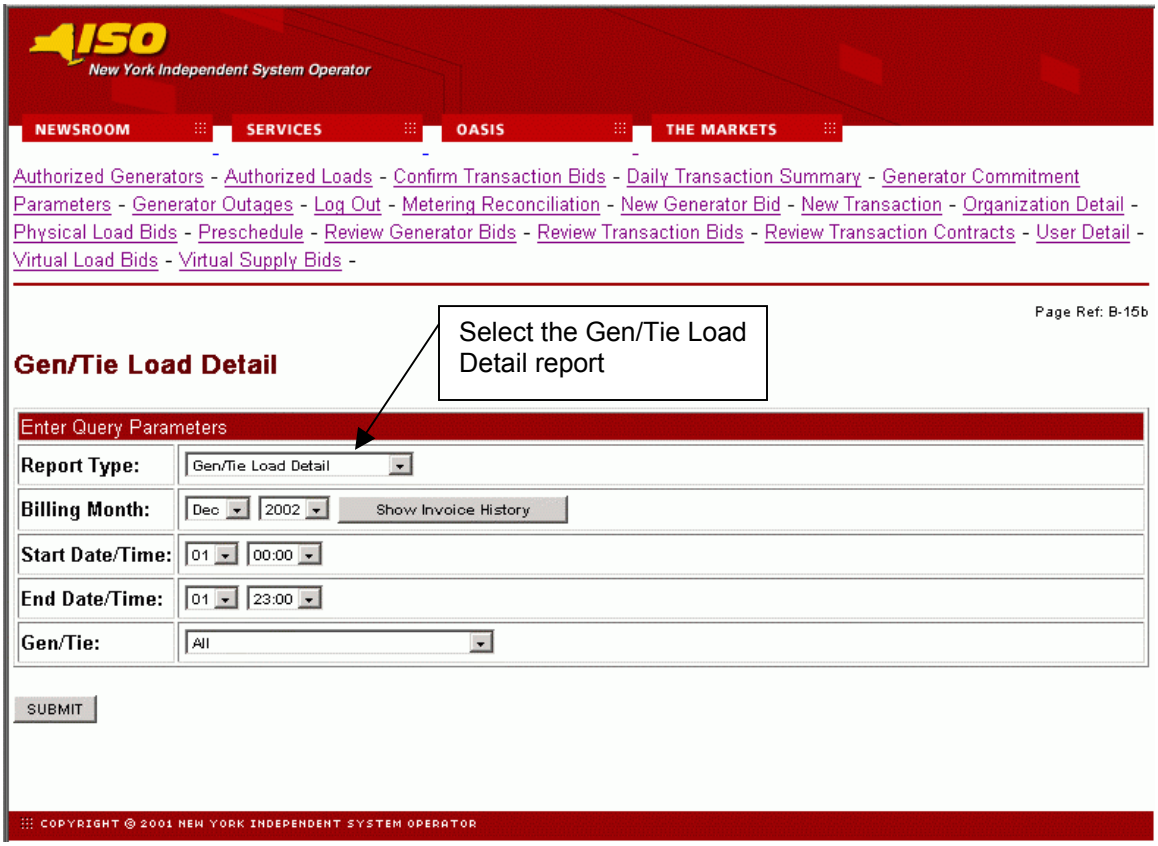


Figure 5

The *Gen/Tie Load Detail* page enables the generator operator to specify the month of interest, specific dates and times within the month, and the desired generator PTID(s). The drop down list adjacent to the Gen/Tie field will list all generators associated with the user. Click on the SUBMIT button when all of the query information has been entered to produce a *Gen/Ties Hourly Load Detail* report (see Figure 6).

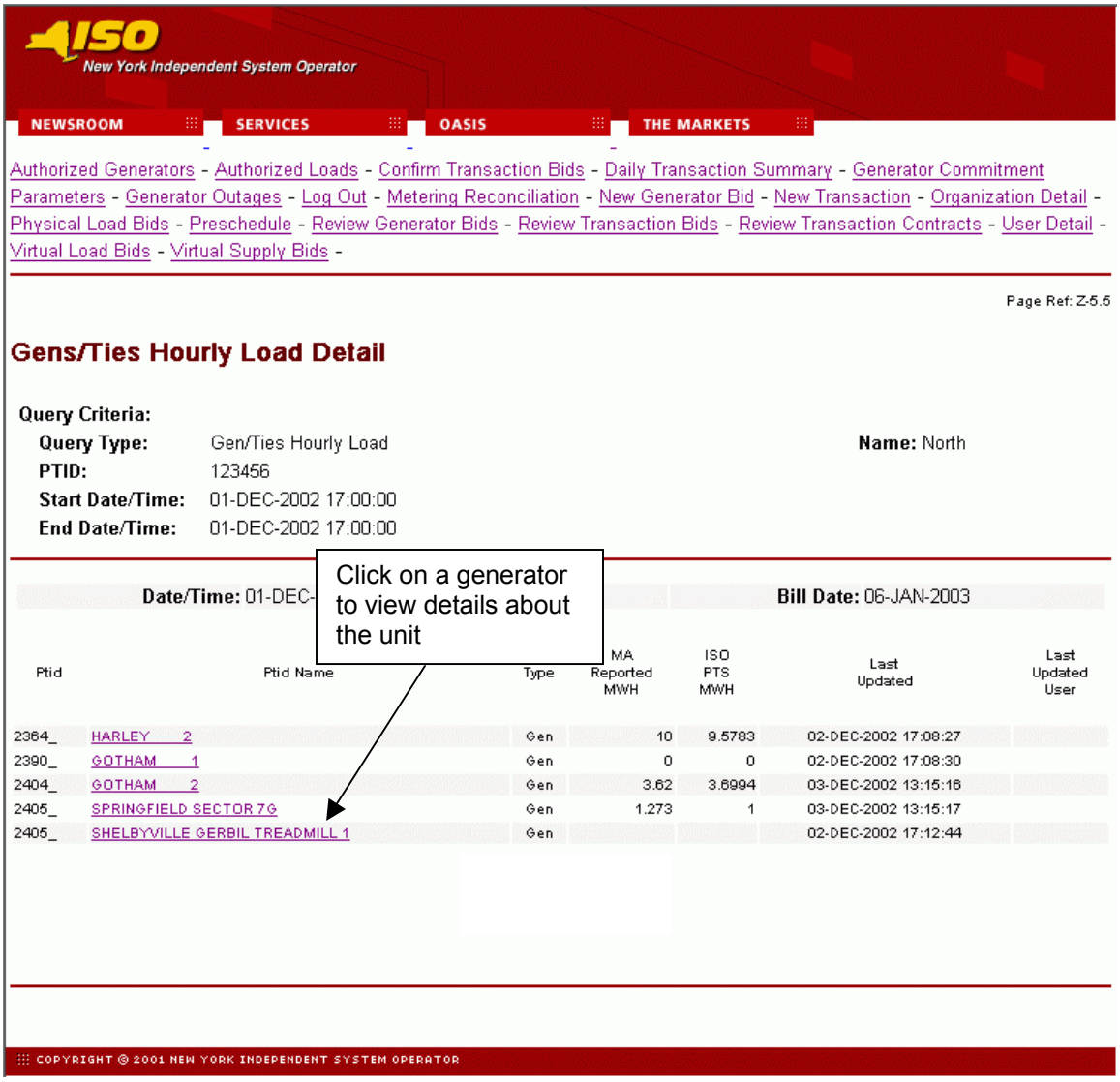


Figure 6

The Gen/Ties Hourly Load Detail report provides a listing of the generators selected in the query, the meter authority and ISO reported MWH, and the date and time of the last update for each generator selected. Additional information related to a specific unit is available by clicking on the unit name (see Figure 7).

The *Generator Details* page provides detailed information about the selected generator.

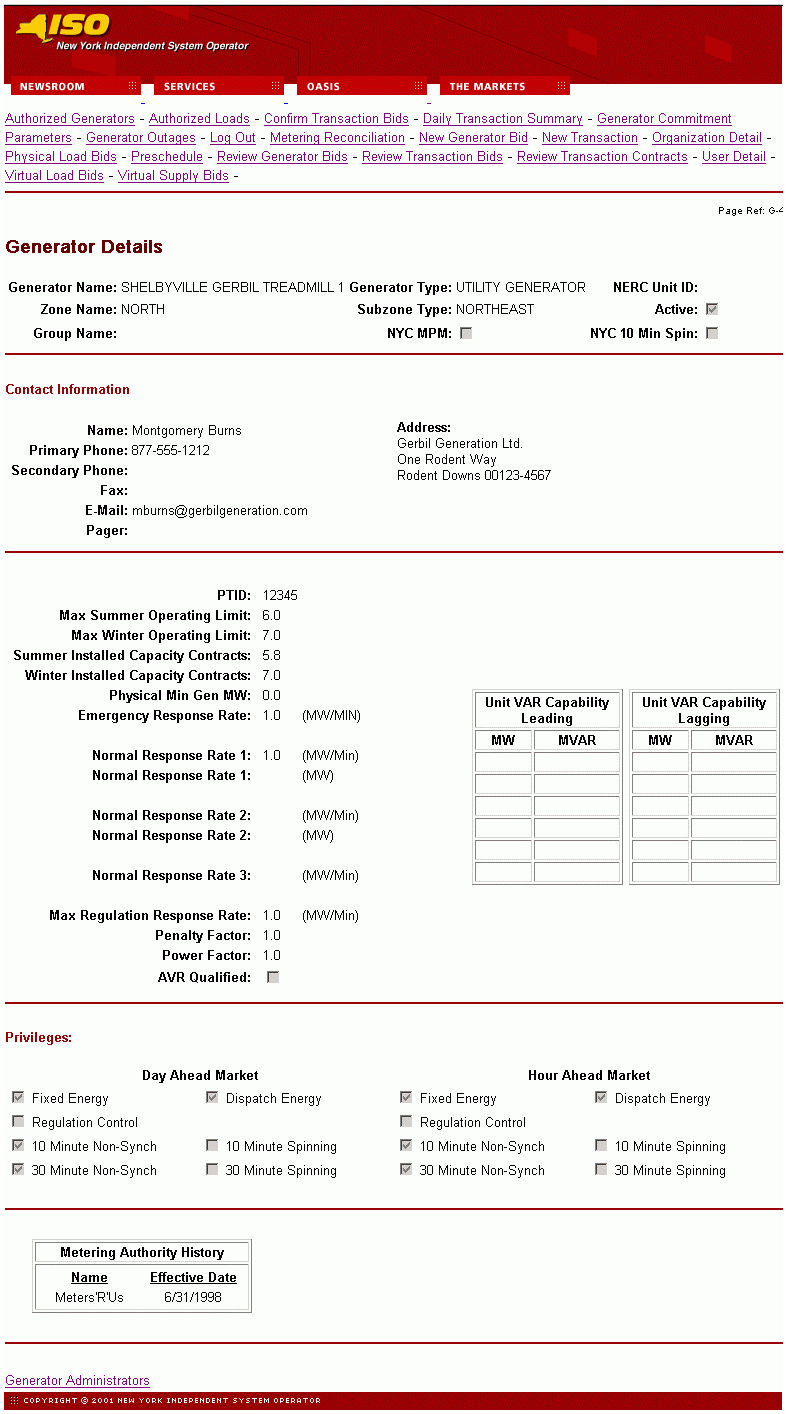


Figure 7