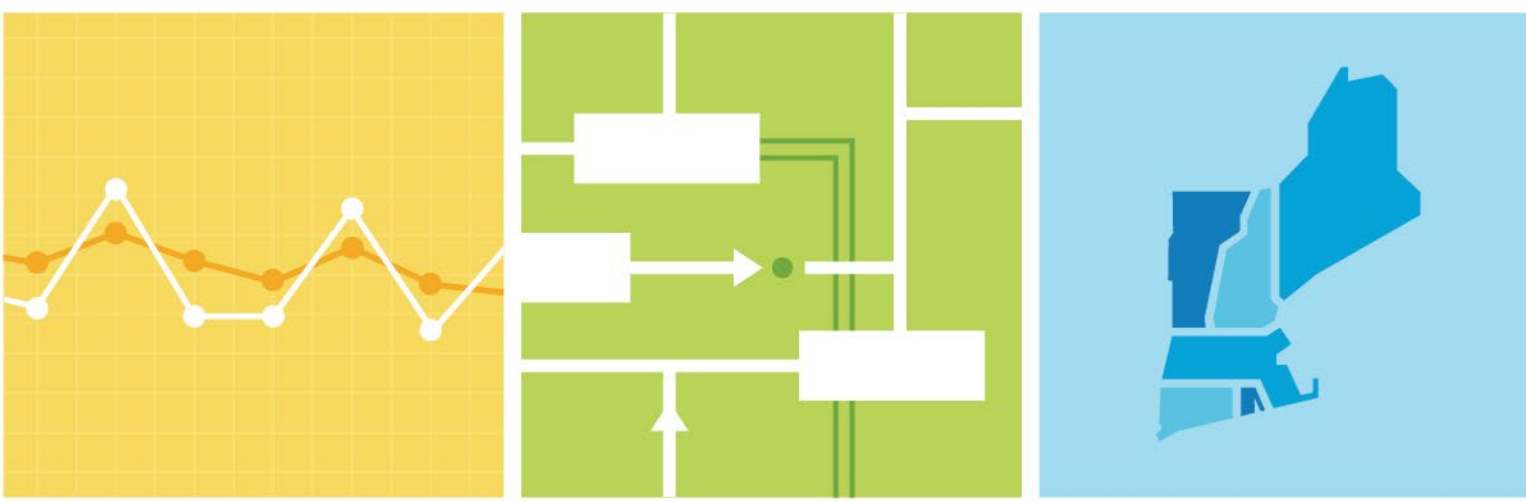
ISO New England External Transaction Tool (NEXTT) User Guide

MARCH 2021

VERSION 3



ISO-NE NEXTT User Guide

Contents

1. About This User Guide

This User Guide will serve as a reference document for describing how to create and manage External Transactions within the ISO New England (ISO-NE) marketplace using the New England External Transaction Tool (NEXTT) application.

For details on the structure and use of the Extensible Markup Language (XML) format to upload and download transactions and the web services available to upload and download transactions without using the NEXTT user interface, please refer to the NEXTT Web-Services Guide.

Before creating transactions, please review the Business Rules Summary as there are a number of changes to fundamental business rules. User should also review the ISO New England Tariff and Manual 11 "ISO New England Manual for Market Operations", for additional detail and obligations regarding the submittal of external transactions.

2. Software Application Access and User Roles

2.1 Company Access to Application

Access to NEXTT is granted through ISO-NE's Customer and Asset Management System ("CAMS") application. Before ISO-NE can grant a company access to NEXTT, the company must be registered to submit external transactions as defined here.

Registered users may access the production version of the NEXTT User Interface through the ISO New England SMD Applications Home Page at: https://smd.iso-ne.com/ by selecting "External Transactions".

2.2 User Roles

The two available roles for the NEXTT application are Read and Read/Write. Once the company has completed the required registration steps, the Security Administrator should assign the appropriate role to each of the company's users in CAMS. The sandbox and production environments are listed separately in CAMS. Therefore, the Security Administrator must apply the roles separately for the sandbox and the production environments.

2.3 Sandbox Environment

The purpose of the sandbox environment is to allow a customer to become familiar with the NEXTT user interface and to test file upload and download processes. The sandbox environment is connected to the OATI eTag Demo System. There is no direct connection to any OASIS site. The OASIS reservations are stored offline and will be updated whenever the sandbox environment is refreshed. Import Resource information is only updated periodically and may not have production data. The validation requiring that the eTag reference the same OASIS reservation as the transaction will be turned OFF in this environment.

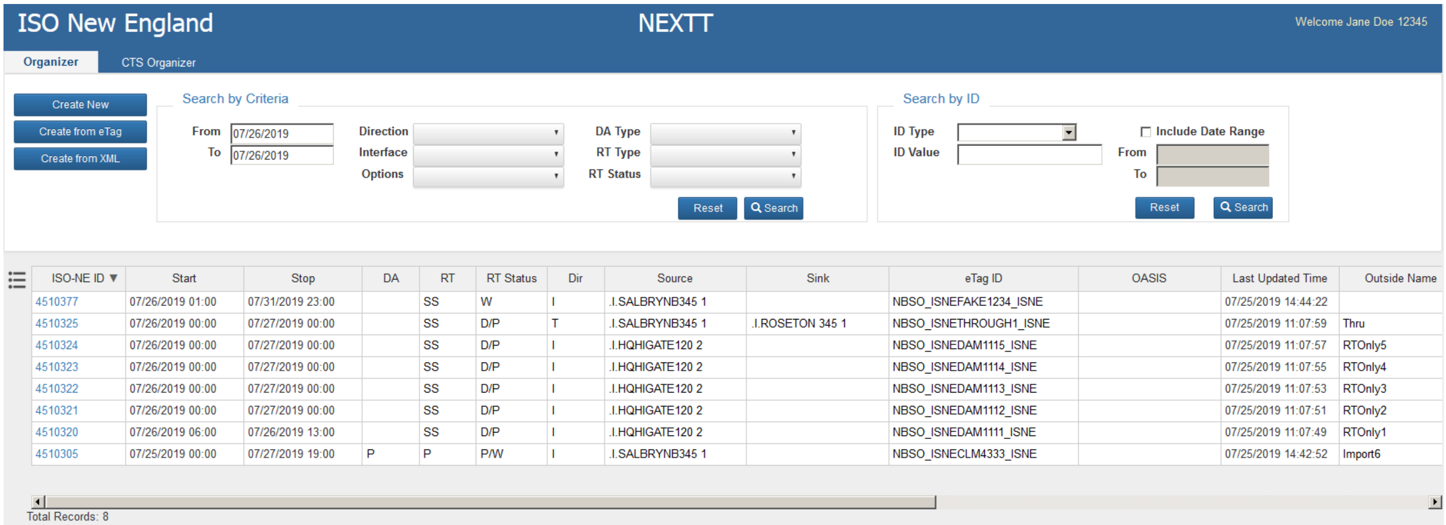
Be aware that there is no Day-Ahead (DA) Energy Market clearing in this environment nor any Real-Time (RT) Energy Market scheduling. Therefore, the 'results' areas of NEXTT will not be populated in this environment.

You will also notice that the application header in the Sandbox is a different color than production.

3. Navigating NEXTT

Upon entering NEXTT, the Organizer will be displayed. The Organizer is the main navigational display and allows the user to filter on existing transactions and create new transactions. From this display the user can navigate to the CTS Organizer or open an individual external transaction.

Tip: When navigating BACK to the Organizer, clicking the Organizer tab will reset all filter selections. However, clicking the back button on the browser will maintain the filter settings and present the last set of search results.



4. Using Organizer Display

The Organizer display defaults to the current day, presenting all transactions that exist on that day. For each transaction there is a default set of data available, which can be customized by the user. There are two methods of searching for transactions: **Search by Criteria** and **Search by ID**. In addition, there are three methods by which new transactions can be created. This display also provides the ability to export various data in CSV and XML formats.

4.1 Default Columns Presented

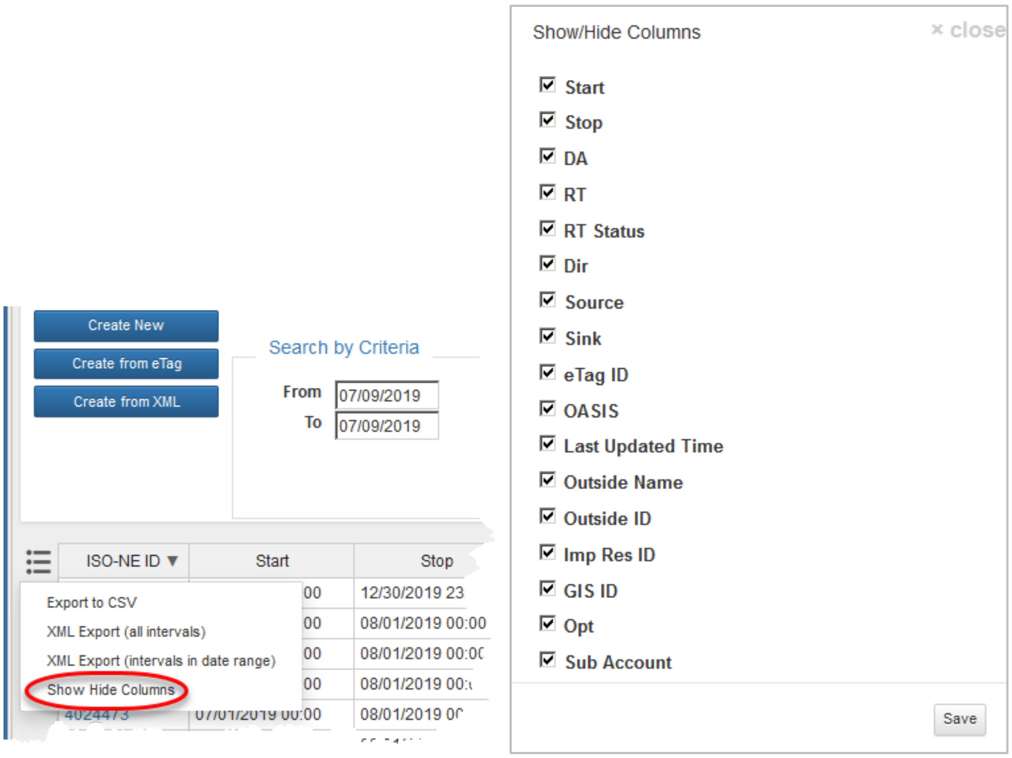
All columns can be sorted by clicking on the header of the column.

Column Name	Description and notes
ISO-NE ID	Auto-assigned ID, can be used to open transaction detail
Start	Earliest hour for which MW are submitted
Stop	Latest hour for which MW are submitted
DA	Indicates the type of transactions submitted to DA: P = Priced, S = Self-Scheduled, U = Up to Congestion
RT	Indicates the type of transactions submitted to RT: P = Priced, S = Self-Scheduled
RT Status	Indicates the status(es) of the RT intervals. A single letter is used to represent each status. If there is more than one status, a combination will be presented here. A = Approved, P = Pending Action, D = Denied, W = Withdrawn, R = ISO Review
Dir	Direction of the transaction: I = Import, E = Export, T = Wheel-Through
Source	External PNode where the transaction enters ISO-NE. If direction is export, this will be null.
Sink	External PNode where the transaction exits ISO-NE. If direction is import, this will be null.
eTag ID	Reference to the eTag created in third party software
OASIS	Transmission reservation(s) referenced for non-PTF interfaces
Last Updated Time	The last time the transaction was submitted by the customer
Outside Name	User defined alphanumeric field, up to 50 characters
Outside ID	User defined alphanumeric field, up to 20 characters
Imp Res ID	Reference to the Import Capacity Resource ID as indicated on the transaction
GIS ID	Reference to the Generation Information System ID as indicated on the transaction
Opt	Y/N. Y Indicates that a market option flag is assigned to the transaction, including GIS ID. If only an Import Resource ID is assigned this flag will be N. This field will be null for DA only transactions.
Sub Account	User defined account used in settlement reporting. Null if no account is selected.

4.2 Managing Columns Presented

In the context menu on the results grid, select the Show Hide Columns option to present the list of columns available. By default, all columns are selected. You can unselect those you do not want included on the display and hit Save.

These changes will be saved on the browser you are using. If you clear the cache or change browsers or machines you will need to repeat the settings.



4.3 Search by Criteria

This is the primary method to search for transactions. The Search button must be selected before any changes to the filter criteria are applied.

Date:

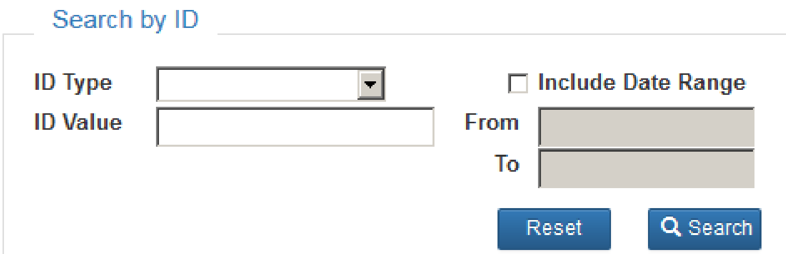
- Display will default to the current date
- When the **From** date is updated, the **To** date will be updated to the same value
- To create a range, update the **From** date first, then update the **To** date

Additional Notes:

- Adding multiple filters will reduce the number of results presented
    - Example: Selecting **DA Type** = price and **RT Type** = priced will provide only transactions where both the **DA Type** AND **RT Type** are priced
- Selecting a **RT Status** will look for that status within the transactions that were returned for that date.
    - Example: Transaction exists from 7/1-7/31 and has status of Denied on only 7/1. Selecting **Date** = 7/9 and **RT Status** of Denied will still return the transaction.
- Selecting ALL the criteria in some of the filters is not the same as selecting nothing
    - Example: If you select **RT Type** = priced and self-scheduled, the results will only contain transactions that have some RT energy submitted; it will not contain any DA only transactions
- The search criteria will present up to 1000 transactions in the results grid
    - If the criteria selected produces more than 1000 transactions, you will need to apply additional filtering criteria.
    - The number of transactions returned is shown at the bottom of the Organizer display.

4.4 Search by ID

This filter is useful to identify a specific transaction or set of transactions based on a known ID. The Search button must be selected before any changes to the filter criteria are applied.

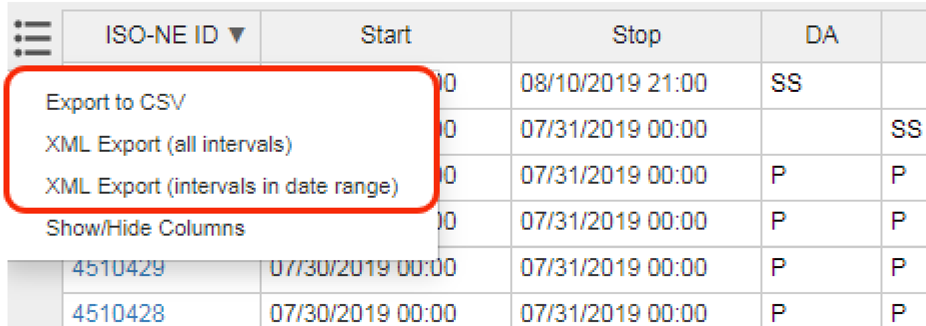


Additional Notes:

- Selections available include: ISO-NE ID, OASIS, eTag, Import Resource, GIS, Outside ID, Outside Name
- All selections except eTag ID must exactly match the value entered
- eTag ID will look for anything ‘like’ the value without using any wildcard characters
- The search criteria will present up to 1000 transactions in the results grid
    - If the criteria selected produces more than 1000 transactions, you will need to apply a date range.
    - The number of transactions returned is shown at the bottom of the Organizer display.

4.5 Exporting Data

There are three separate options for exporting data from the Organizer display:



4.5.1 Exporting via CSV

This method will export the data in all columns as they are presented on the display to a CSV file. Multiple OASIS reservations will be presented exactly as they are shown in the grid; if there are more than two reservations, only the first two will be visible in the CSV file.

4.5.2 XML Export (all intervals)

When exporting to XML the search results presented on the display must contain no more than 300 records. All transactions on the display will be exported in the full XML format.

Selecting the 'all intervals' option provides the more complete set of data. For example, if a transaction is one month long and only one day is selected on the filter, the XML export will include a record for every hour of the entire transaction, NOT only the date selected.

4.5.3 XML Export (intervals in date range)

When exporting to XML the results presented on the display must contain no more than 300 records. All transactions on the display will be exported in the full XML format. This feature can only be used when the results were created by the **Search by Criteria** filter. Using this feature when the results were created by the **Search by ID** filter will only provide the header data associated with the transactions.

Selecting the 'intervals in date range' option restricts the intervals included in the file to the selected date range. For example, if a transaction is one month long and only one day is selected on the filter, the XML export will only include intervals on the selected date, it will NOT include the intervals on every day of the transaction.

5. Using CTS Organizer Display

This display presents transactions that were submitted into the NYISO Joint Energy Scheduling System (JESS) and identified the current customer as the financially responsible party. The transactions are provided here purely for informational purposes.

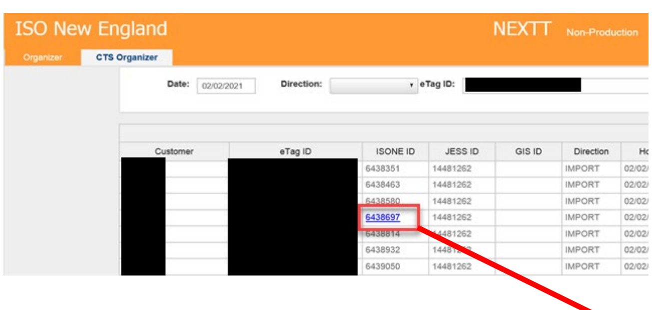
The following information is taken directly from the NYISO provided data: Bid MW, eTag ID, GIS ID and Direction. The ISO-NE ID is assigned for reference as the transaction is created in the ISO New England system. The Cleared MW are the final integrated MW that will be used in the ISO-NE settlement process.

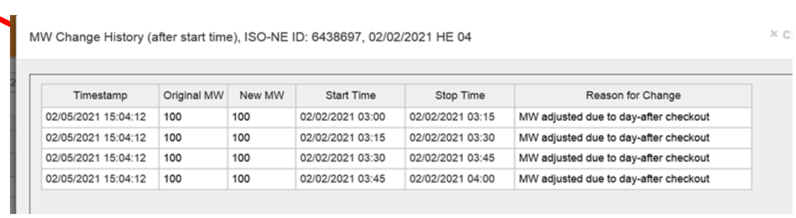
Information is not available in this display until the results of the operating day have been reviewed. Typically, that occurs by 10:00 the next operating day. However, there are instances where it may be more than one operating day before the data is available.

The default sorting on the display is by eTag, then Hour Begin. However, users may filter on any column heading.

Users may filter on date, direction and eTag ID. The eTag ID field will find any tag 'like' the value entered without using any wildcard characters. The search button must be selected before any changes to the filter criteria are applied.

When ISO personnel make a MW change to a CTS transaction during the Day After checkout process, the customer contacts will be notified via email that a change has been made and the transaction ID will become a link to the historical changes.





MW Change History (after start time), ISO-NE ID: 6438697, 02/02/2021 HE 04

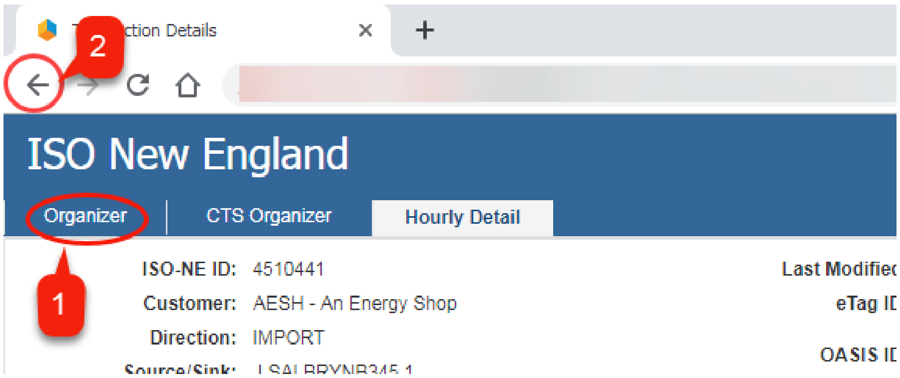
Timestamp	Original MW	New MW	Start Time	Stop Time	Reason for Change
02/05/2021 15:04:12	100	100	02/02/2021 03:00	02/02/2021 03:15	MW adjusted due to day-after checkout
02/05/2021 15:04:12	100	100	02/02/2021 03:15	02/02/2021 03:30	MW adjusted due to day-after checkout
02/05/2021 15:04:12	100	100	02/02/2021 03:30	02/02/2021 03:45	MW adjusted due to day-after checkout
02/05/2021 15:04:12	100	100	02/02/2021 03:45	02/02/2021 04:00	MW adjusted due to day-after checkout

6. Review Existing External Transaction

Clicking on the ISO-NE ID from the Organizer will open the Hourly Detail display for that transaction. You will see the Hourly Detail tab displayed on the main menu bar. From the Hourly Detail display, there are two options to return to the Organizer.

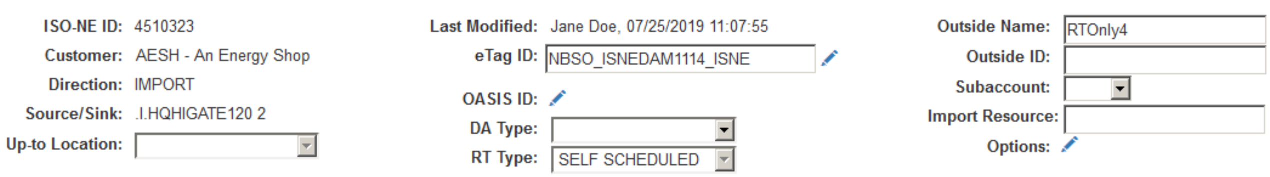
1. Reselecting the Organizer tab will reset all filter selections.

2. Clicking the back button on the browser will maintain the filter settings and present the last set of search results.



6.1 Header Data

The information in the header area applies to the full transaction. Historic transactions prior to the introduction of the NEXTT application will have the company's default subaccount stored. For new transactions, this value will remain null if it is not actively entered.



6.2 MW Profile Data

The MW profile area provides all the details about every interval of the transaction.

		DA Submitted		DA Results		RT Submitted				RT Results	
Total MWh		936 / 936		663.0		936 / 936				663.000	
Date	HE	MW	Price	MW	LMP	MW	Price	*	Status	MW	Reason
05/17/2019	01	39	21.01	0	20.94	39	21.01		APPROVED	0	Scheduling Algorithm, Economics
05/17/2019	02	39	21.01	0	20.3	39	21.01		APPROVED	0	Scheduling Algorithm, Economics
05/17/2019	03	39	21.01	0	19.23	39	21.01		APPROVED	0	Scheduling Algorithm, Economics
05/17/2019	04	39	21.01	0	19.39	39	21.01		APPROVED	0	Scheduling Algorithm, Economics
05/17/2019	05	39	21.01	0	19.66	39	21.01		APPROVED	0	Scheduling Algorithm, Economics
05/17/2019	06	39	21.01	0	20.76	39	21.01		APPROVED	0	Scheduling Algorithm, Economics
05/17/2019	07	39	21.01	39	21.17	39	21.01		APPROVED	39	
05/17/2019	08	39	21.01	39	26.39	39	21.01		APPROVED	39	
05/17/2019	09	39	21.01	39	27.07	39	21.01		APPROVED	39	
05/17/2019	10	39	21.01	39	27.06	39	21.01		APPROVED	39	
05/17/2019	11	39	21.01	39	28.79	39	21.01		APPROVED	39	
05/17/2019	12	39	21.01	39	28.4	39	21.01		APPROVED	39	
05/17/2019	13	39	21.01	39	24.81	39	21.01		APPROVED	39	

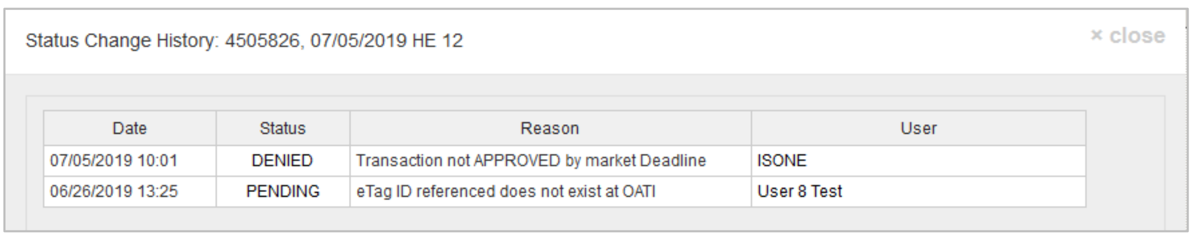
6.2.1 MWh Totals

The row below the header displays the total MWhs for each category.

MWh Total field	Description
DA Submitted	First value = MWh as currently presented on the display Second value = MWh that have been submitted
DA Results	MWh that have cleared the DAM
RT Submitted	First value = MWh as currently presented on the display Second value = MWh that have an Approved status; if a submitted MW value is changed the status is no longer approved and this value will be updated
RT Results	MWh that were scheduled in the RTM

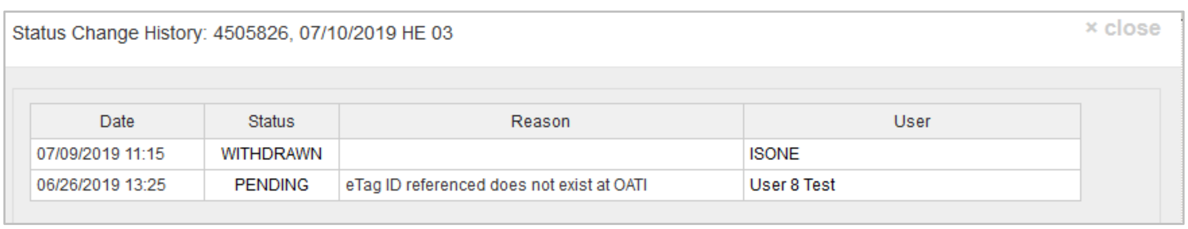
6.2.2 RT Submitted Status

Clicking on the RT status for any interval will present the history for that interval, including any reasons why the transaction had not reached a status of APPROVED. If the MW for any interval is changed to 0, the status will be set to Withdrawn and there will be no reason provided.



Status Change History: 4505826, 07/05/2019 HE 12 × close

Date	Status	Reason	User
07/05/2019 10:01	DENIED	Transaction not APPROVED by market Deadline	ISONE
06/26/2019 13:25	PENDING	eTag ID referenced does not exist at OATI	User 8 Test

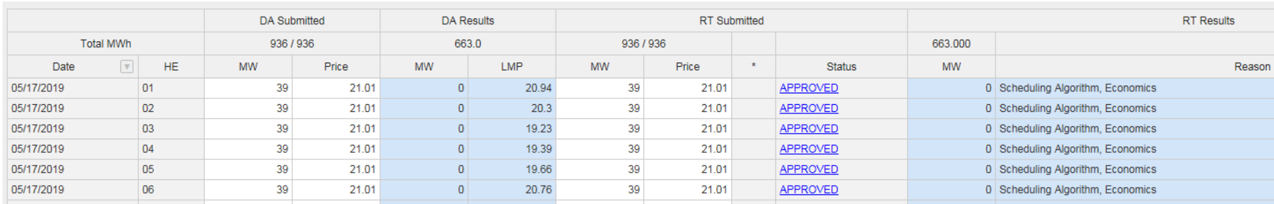


Status Change History: 4505826, 07/10/2019 HE 03 × close

Date	Status	Reason	User
07/09/2019 11:15	WITHDRAWN		ISONE
06/26/2019 13:25	PENDING	eTag ID referenced does not exist at OATI	User 8 Test

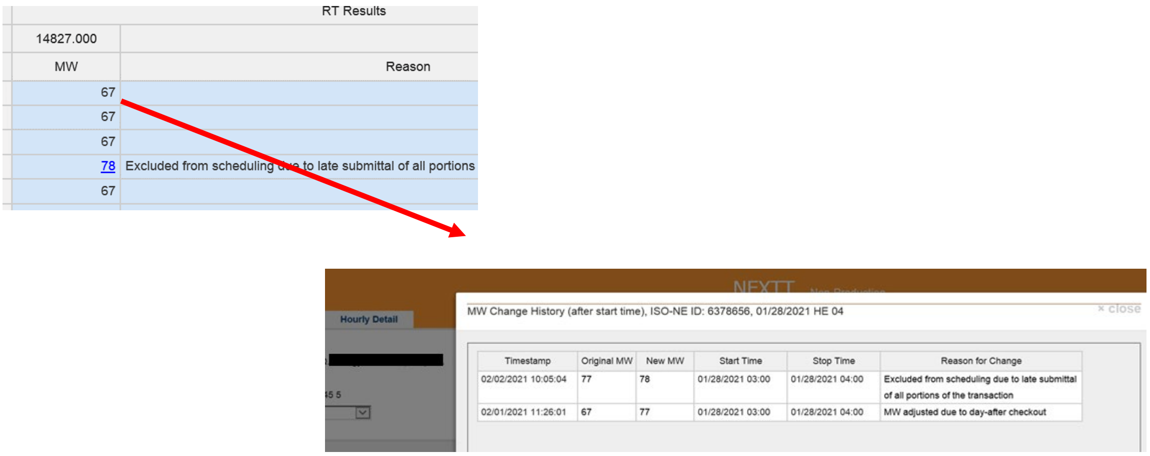
6.2.3 RT Results

The RT Results show the hourly integrated MW from RT scheduling. If the RT Results MW is less than the RT Submitted MW, a reason will be presented. This reason is comparable to the reason sent by ISO-NE to the eTag.



		DA Submitted		DA Results		RT Submitted				RT Results	
Total MWh		936 / 936		663.0		936 / 936				663.000	
Date	HE	MW	Price	MW	LMP	MW	Price	*	Status	MW	Reason
05/17/2019	01	39	21.01	0	20.94	39	21.01		APPROVED	0	Scheduling Algorithm, Economics
05/17/2019	02	39	21.01	0	20.3	39	21.01		APPROVED	0	Scheduling Algorithm, Economics
05/17/2019	03	39	21.01	0	19.23	39	21.01		APPROVED	0	Scheduling Algorithm, Economics
05/17/2019	04	39	21.01	0	19.39	39	21.01		APPROVED	0	Scheduling Algorithm, Economics
05/17/2019	05	39	21.01	0	19.66	39	21.01		APPROVED	0	Scheduling Algorithm, Economics
05/17/2019	06	39	21.01	0	20.76	39	21.01		APPROVED	0	Scheduling Algorithm, Economics

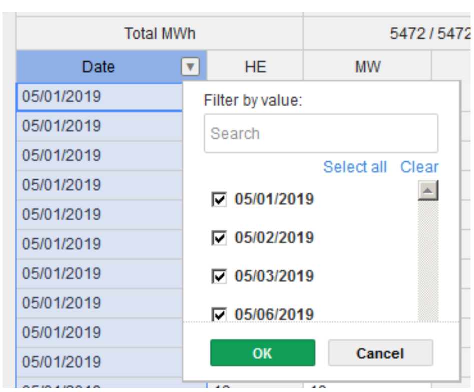
If ISO personnel make a change to a transaction during the Day After checkout, upon finalization or re-finalization, the customer is sent an email notifying them of the changes for both curtailments and after the fact. There is no detail in the email other than the transaction ID and the hour(s) that are changed. To see the difference, the customer can view the transaction changes under the RT Results. The MW value will become a link and will show the historical changes in a pop-up when selected. See below for an example.



Timestamp	Original MW	New MW	Start Time	Stop Time	Reason for Change
02/02/2021 10:05:04	77	78	01/28/2021 03:00	01/28/2021 04:00	Excluded from scheduling due to late submittal of all portions of the transaction
02/01/2021 11:26:01	67	77	01/28/2021 03:00	01/28/2021 04:00	MW adjusted due to day-after checkout

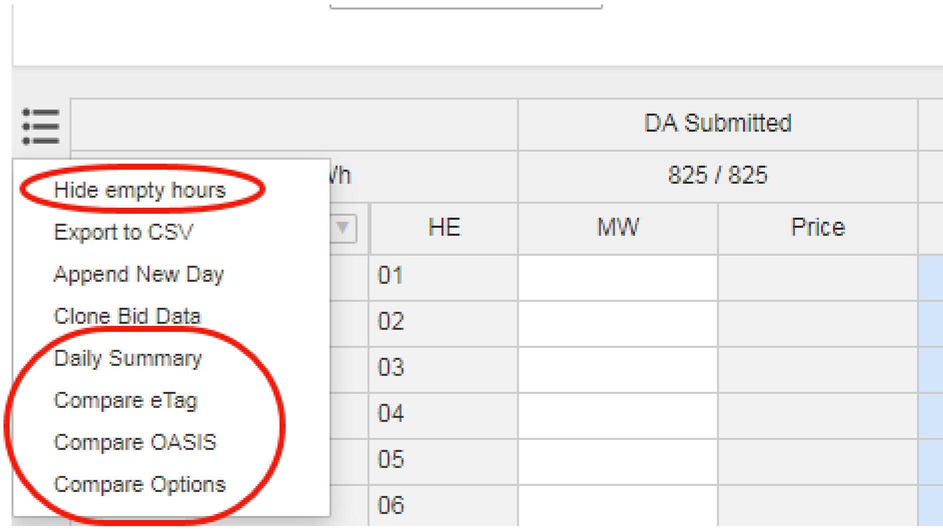
6.2.4 Filter on Dates

The Hourly Detail displays a separate row for every hour of the transaction. The scroll bar can be used to access any day in the transaction. The Date field can be filtered, similar to Excel, to reduce the data presented on the display.



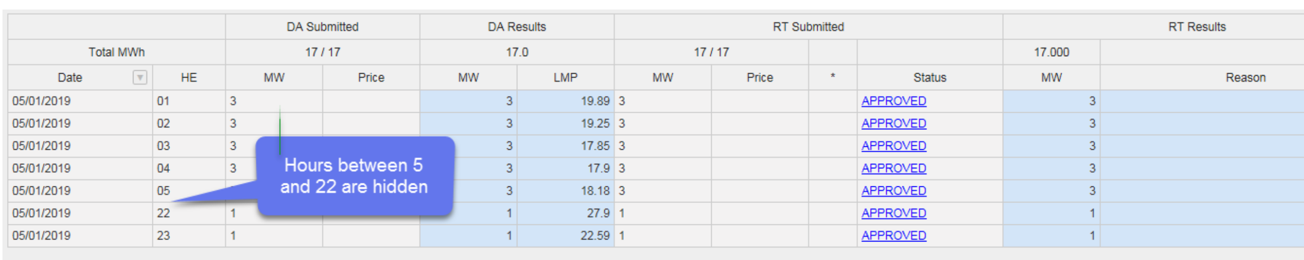
6.3 Additional Views Available in Hourly Detail Display

The context menu next to the grid on the Hourly Detail display provides several different ways to view transaction data.



6.3.1 Hide (Show) Empty Hours

If there is a transaction that has hours with no MW submitted, there is an option to 'Hide empty hours' in the context menu. This option will remove any hours where MW values do not exist; it *does not* hide intervals with values of 0 MW.



6.3.2 Daily Summary

Since data is presented separately for every interval on the main display there is a separate display available on the context menu to view a daily summary of the MWh totals for DA Submitted, DA Results, RT Approved and RT Results.

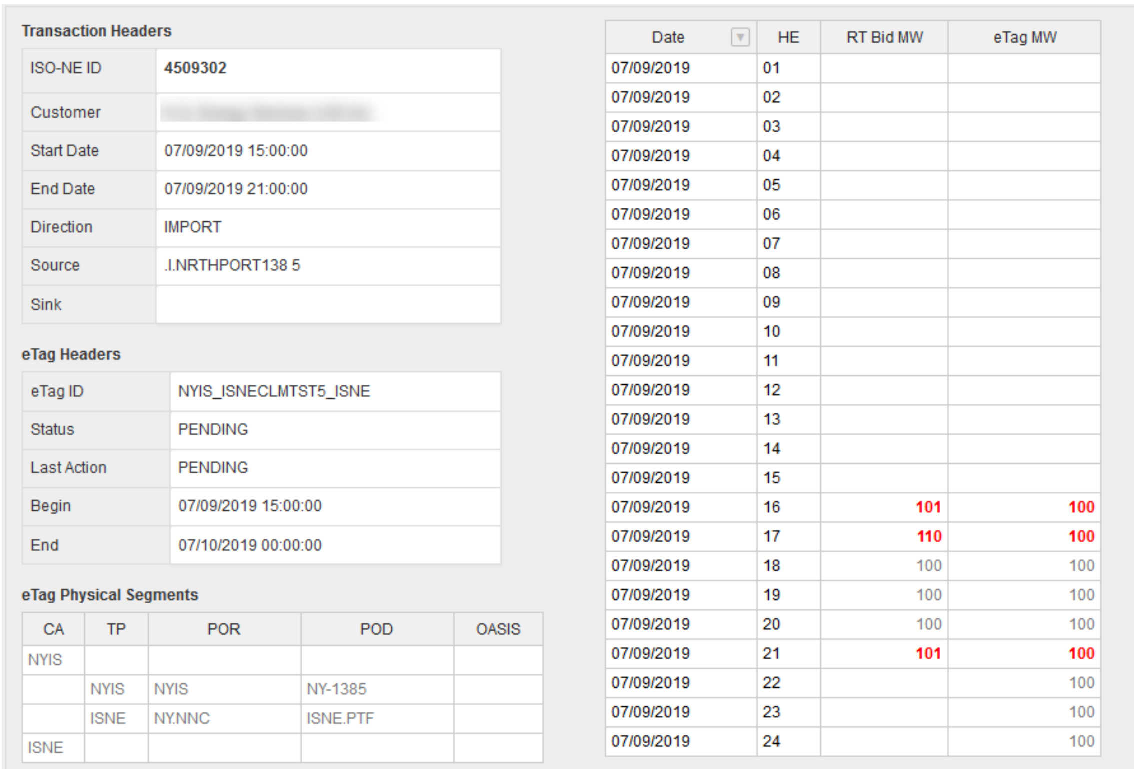
Daily Summary 4335365 × close

	DA Submitted	DA Results	RT Approved	RT Results
Total MWh	77400	77400	77400	77302.751
Date	MWh	MWh	MWh	MWh
05/01/2019	3096	3096	3096	3087.500
05/02/2019	3096	3096	3096	3089.717
05/03/2019	3096	3096	3096	3095.167
05/04/2019	3096	3096	3096	3096.000
05/05/2019	3096	3096	3096	3086.100
05/06/2019	3096	3096	3096	3092.000
05/07/2019	3096	3096	3096	3096.000
05/08/2019	3096	3096	3096	3096.000
05/09/2019	3096	3096	3096	3089.167
05/10/2019	3096	3096	3096	3085.400
05/11/2019	3096	3096	3096	3095.000
05/12/2019	3096	3096	3096	3096.000
05/13/2019	3096	3096	3096	3096.000
05/14/2019	3096	3096	3096	3096.000
05/15/2019	3096	3096	3096	3096.000

6.3.3 Compare with eTag

When a RT transaction is submitted and all intervals are not set to a status of APPROVED, it is most often because of an issue with the referenced eTag. This feature will allow you to compare the transaction data to the eTag data. Mismatches between the two will be highlighted in red.

If there are multiple days in the transaction, the Date filter can be used to limit what is presented.



Transaction Headers

ISO-NE ID	**4509302**
Customer	[illegible]
Start Date	07/09/2019 15:00:00
End Date	07/09/2019 21:00:00
Direction	IMPORT
Source	.I.NRTHPORT138 5
Sink	

eTag Headers

eTag ID	NYIS_ISNECLMTST5_ISNE
Status	PENDING
Last Action	PENDING
Begin	07/09/2019 15:00:00
End	07/10/2019 00:00:00

eTag Physical Segments

CA	TP	POR	POD	OASIS
NYIS				
	NYIS	NYIS	NY-1385	
	ISNE	NY.NNC	ISNE.PTF	
ISNE				

Date	HE	RT Bid MW	eTag MW
07/09/2019	01		
07/09/2019	02		
07/09/2019	03		
07/09/2019	04		
07/09/2019	05		
07/09/2019	06		
07/09/2019	07		
07/09/2019	08		
07/09/2019	09		
07/09/2019	10		
07/09/2019	11		
07/09/2019	12		
07/09/2019	13		
07/09/2019	14		
07/09/2019	15		
07/09/2019	16	**101**	**100**
07/09/2019	17	**110**	**100**
07/09/2019	18	100	100
07/09/2019	19	100	100
07/09/2019	20	100	100
07/09/2019	21	**101**	**100**
07/09/2019	22		100
07/09/2019	23		100
07/09/2019	24		100

6.3.4 Compare with OASIS

When a RT transaction is submitted and all intervals are not set to a status of APPROVED, it can be due to an issue with the referenced OASIS reservations. This feature will allow you to compare the transaction data to the OASIS data, and see the usage of the OASIS reservations by other transactions. Any hours where the MW are not covered by the referenced reservations will be highlighted in red. To identify WHICH transactions are already using the reservation you can use the Search by ID feature.

When there are multiple reservations, scroll bars are available to see all applicable data. If there are multiple days in the transaction, the Date filter can be used to limit what is presented.

Transaction Headers

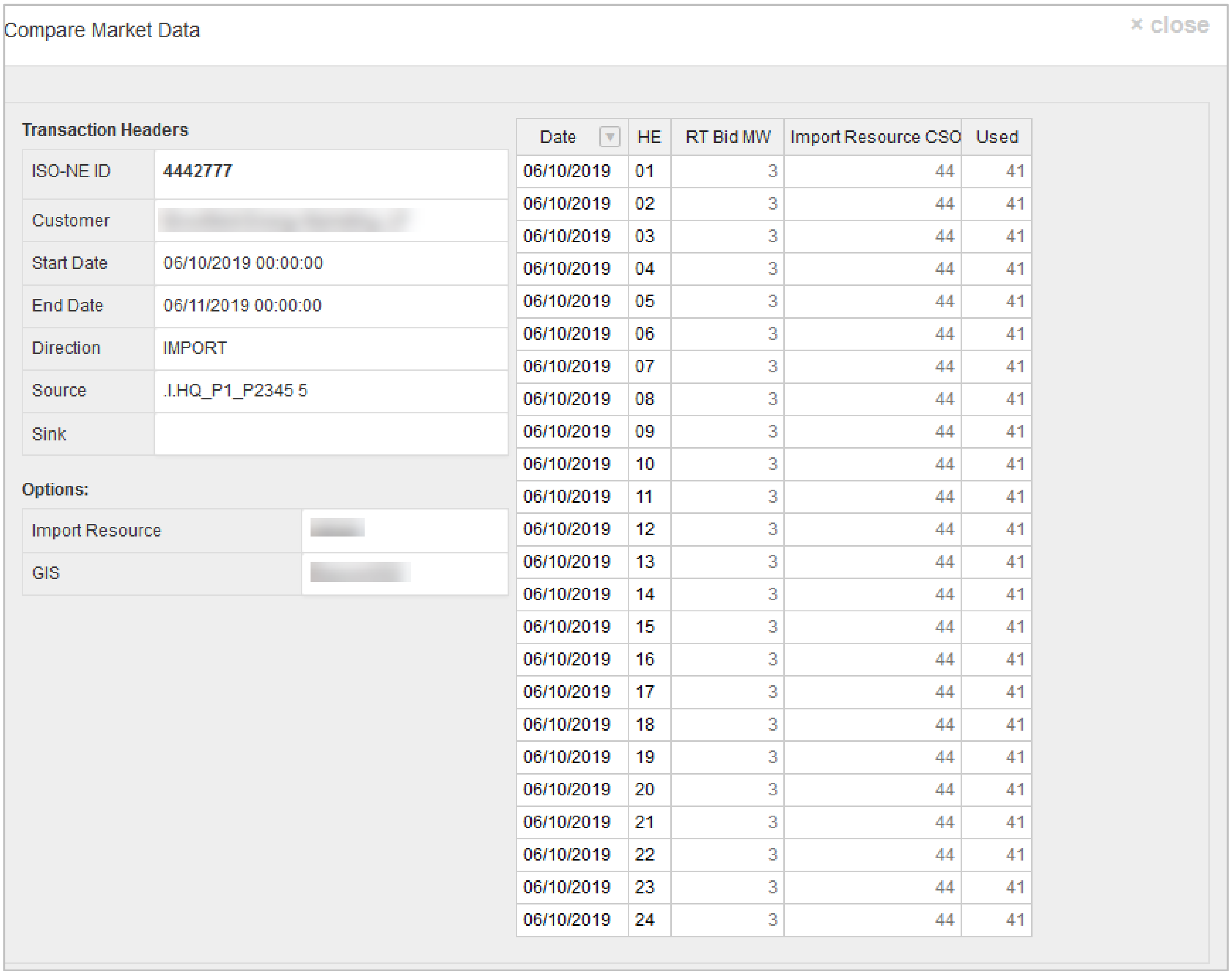
ISO-NE ID	**4403461**
Customer	
Start Date	05/20/2019 00:00:00
End Date	05/21/2019 00:00:00
Direction	IMPORT
Source	.I.HQ_P1_P2345 5
Sink	

OASIS ID		
Offer Type	YEARLY	YEARLY
Status	CONFIRMED	CONFIRMED
Customer		
Seller	NStar Electric Company	NStar Electric Company
Provider	NStar Electric Company	NStar Electric Company
Path	NE/NSTR/HQT-ISNE/NEHVDCBORDER-HQ_PHI_OR_II/	NE/NSTR/HQT-ISNE/NEHVDCBORDER-H
Begin	01/01/2018 00:00:00	01/01/2019 00:00:00
End	10/31/2020 00:00:00	11/01/2020 01:00:00
Service Type	Yearly Firm HQ In	Yearly Firm HQ In

			84711156		88100448		88433841	
Date	HE	RT Bid MW	Capacity	Used	Capacity	Used	Capacity	Used
05/20/2019	01	81	179	149	29		22	
05/20/2019	02	81	179	149	29		22	
05/20/2019	03	81	179	149	29		22	
05/20/2019	04	81	179	149	29		22	
05/20/2019	05	81	179	149	29		22	
05/20/2019	06	81	179	149	29		22	
05/20/2019	07	81	179	149	29		22	
05/20/2019	08	25	179	179	29	26	22	
05/20/2019	09	25	179	179	29	26	22	
05/20/2019	10	25	179	179	29	26	22	
05/20/2019	11	25	179	179	29	26	22	
05/20/2019	12	25	179	179	29	26	22	
05/20/2019	13	25	179	179	29	26	22	
05/20/2019	14	25	179	179	29	26	22	
05/20/2019	15	25	179	179	29	26	22	
05/20/2019	16	25	179	179	29	26	22	
05/20/2019	17	25	179	179	29	26	22	
05/20/2019	18	25	179	179	29	26	22	
05/20/2019	19	25	179	179	29	26	22	
05/20/2019	20	25	179	179	29	26	22	
05/20/2019	21	25	179	179	29	26	22	
05/20/2019	22	25	179	179	29	26	22	
05/20/2019	23	25	179	179	29	26	22	
05/20/2019	24	81	179	149	29		22	

6.3.5 Compare with Market Options

When a RT transaction is submitted and all intervals are not set to a status of APPROVED, it can be due to an issue with the referenced market options. This feature will allow you to compare the transaction data to the market options data. Where applicable, it will present the usage of the referenced item by other transactions. Any hours where the MW are not covered by the referenced item will be highlighted in red. If there are multiple days in the transaction, the Date filter can be used to limit what is presented.



Compare Market Data

× close

Transaction Headers

ISO-NE ID	**4442777**
Customer	
Start Date	06/10/2019 00:00:00
End Date	06/11/2019 00:00:00
Direction	IMPORT
Source	.I.HQ_P1_P2345 5
Sink	

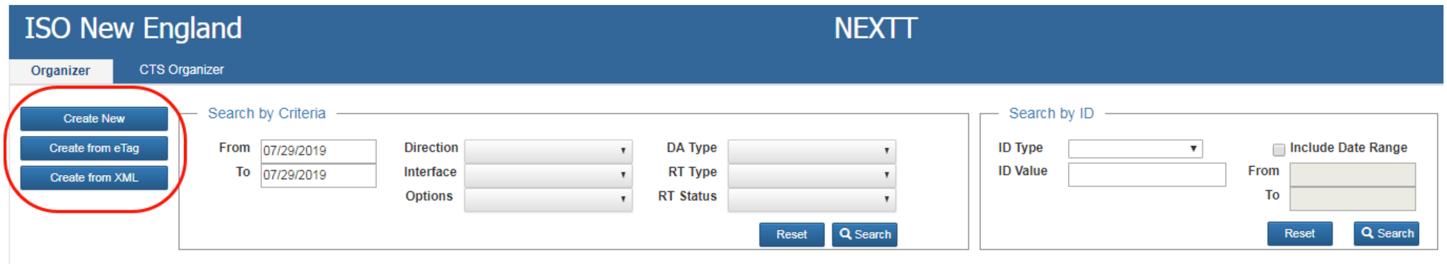
Options:

Import Resource	
GIS	

Date	HE	RT Bid MW	Import Resource CSO	Used
06/10/2019	01	3	44	41
06/10/2019	02	3	44	41
06/10/2019	03	3	44	41
06/10/2019	04	3	44	41
06/10/2019	05	3	44	41
06/10/2019	06	3	44	41
06/10/2019	07	3	44	41
06/10/2019	08	3	44	41
06/10/2019	09	3	44	41
06/10/2019	10	3	44	41
06/10/2019	11	3	44	41
06/10/2019	12	3	44	41
06/10/2019	13	3	44	41
06/10/2019	14	3	44	41
06/10/2019	15	3	44	41
06/10/2019	16	3	44	41
06/10/2019	17	3	44	41
06/10/2019	18	3	44	41
06/10/2019	19	3	44	41
06/10/2019	20	3	44	41
06/10/2019	21	3	44	41
06/10/2019	22	3	44	41
06/10/2019	23	3	44	41
06/10/2019	24	3	44	41

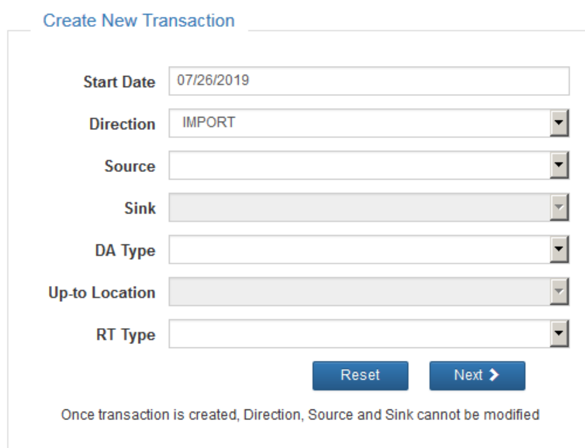
7. Create New Transaction in NEXTT

There are three ways to create new transactions from the NEXTT user interface, each is a button on the Organizer display.

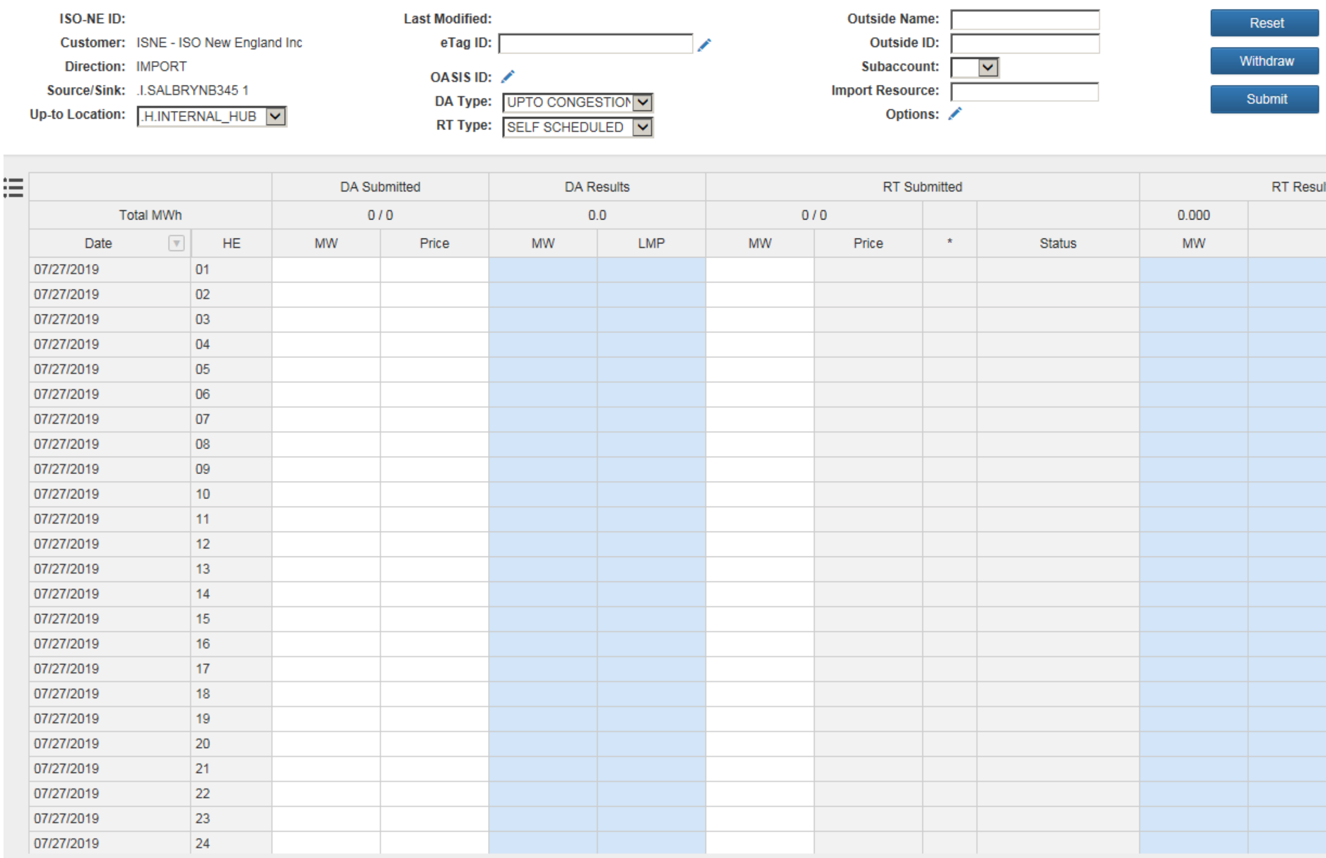


7.1 Create New Display

Selecting **Create New** on the Organizer will open a display where you will select basic data about the transaction. This display will only allow valid combinations of data. For Imports and Exports only the source or sink is required. If the transaction is wheeling through ISO-NE, then both a source and sink will be required. If you are submitting an Up-to Congestion transaction, then you must also select the internal location associated with that transaction.

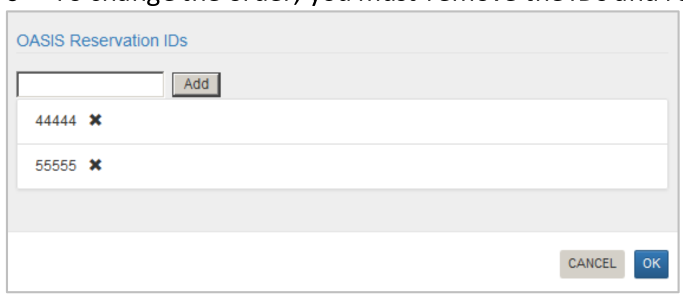
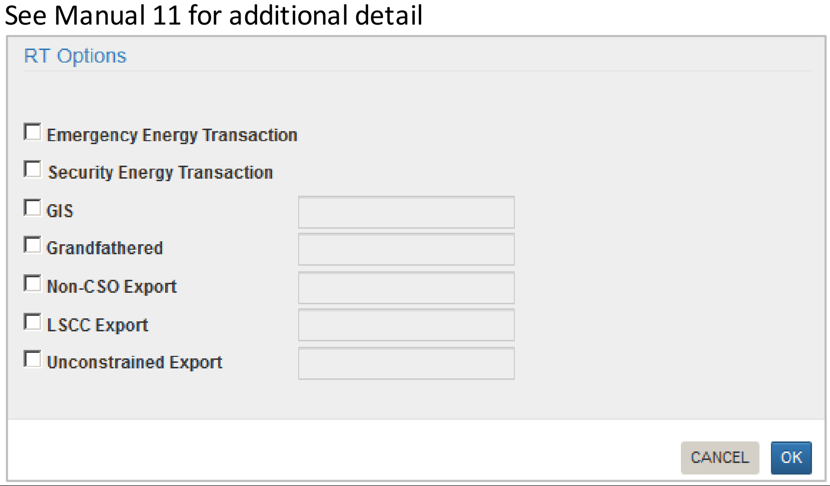


Clicking Next on the Create New display will open the Hourly Detail display with the information you have selected and a row for every interval of the selected Start Date. At this point the Direction, Source and Sink cannot be changed.



7.1.1 Entering Header Data

Most of the fields in the header area are optional. Some are applicable only to RT transactions and the fields will not be active unless the RT Type is selected. The table below defines the unique aspects of each field.

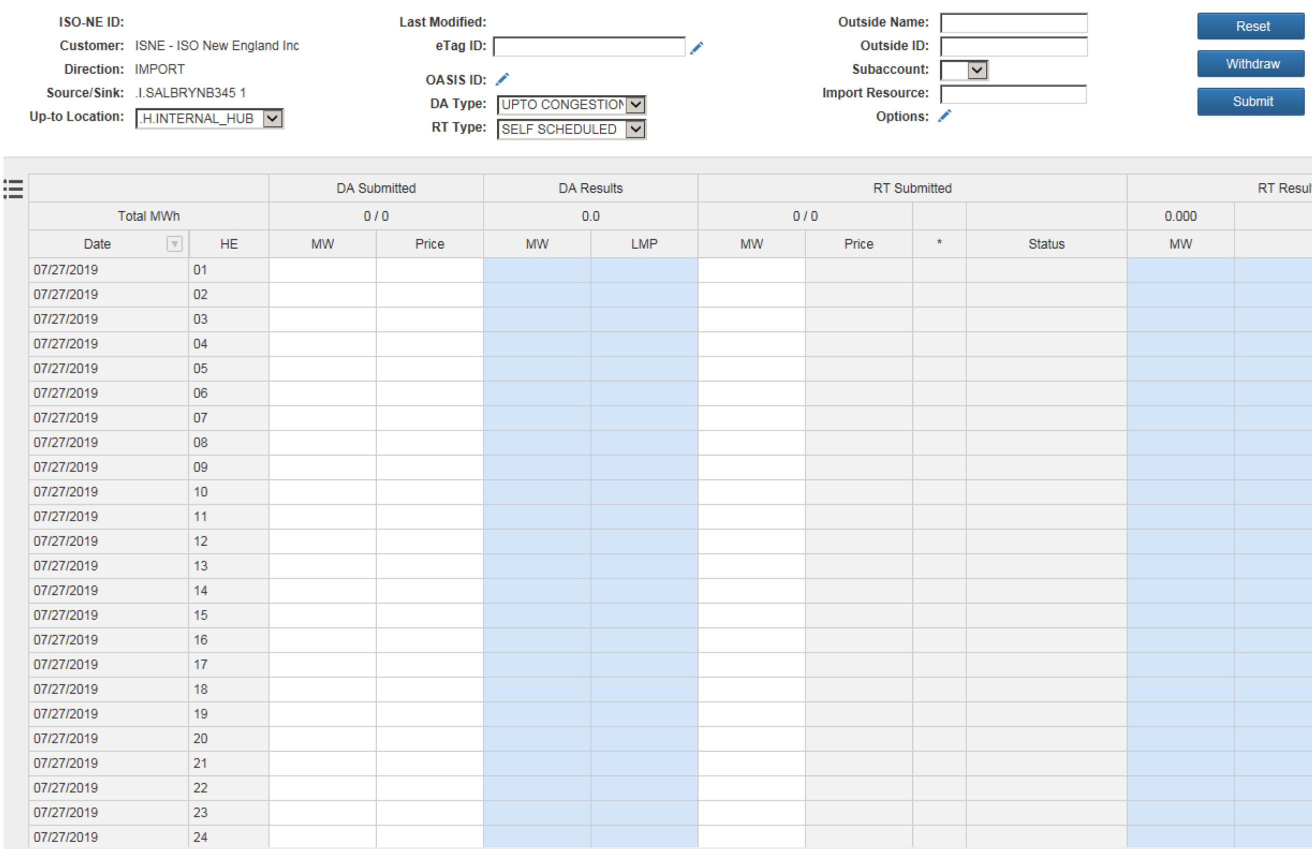
Field	Comments
eTag	• Required on .I.ROSETON 345 1 interface when DA Type is selected • Required on all interfaces when RT Type is selected • Can be manually entered • Pencil icon will open dropdown of customer eTags available
OASIS	• Required on.I.HQ_P1_P2345 5 and .I.SHOREHAM138 99 interfaces when RT Type is selected • Entry only allowed when RT Type is selected • Pencil icon opens display to enter OASIS IDs • Order entered, top to bottom, is the order they will be applied to the transaction ○ To change the order, you must remove the IDs and re-enter them 
Outside Name	User entry, alphanumeric up to 50 characters
Outside ID	User entry, alphanumeric up to 20 characters
Subaccount	• Dropdown will present any available subaccounts for the company. • Every company will have at least one entry, their default subaccount • If left blank, the field will remain empty and default subaccount will be applied
Import Resource	Must match with an existing Import Resource ID
Options	• Entry only allowed when RT Type is selected • Pencil icon opens display to select Options • See Manual 11 for additional detail 

7.1.2 Entering MW and Price Data

Fields where data can be entered are white. At least one interval must have a non-zero MW value before the transaction can be submitted.

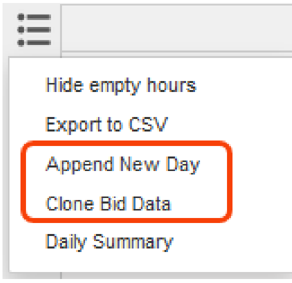
The grid acts much like excel where data can be pasted (a single column at a time) from another source. Data can be cut and pasted between cells (however, only a single column at a time). While the copy/paste options do not appear when you 'right click' in the grid you can use CTRL-C and CTRL-V to copy and paste data. Data entered can also be selected and dragged down to future hours (this can be done on multiple columns simultaneously).

There is a row above the hourly intervals display that contains Total MWh, which is described in detail in Section 6.2.1. The first value in these fields will update whenever MW values are changed on the display reflecting the current data on the display.



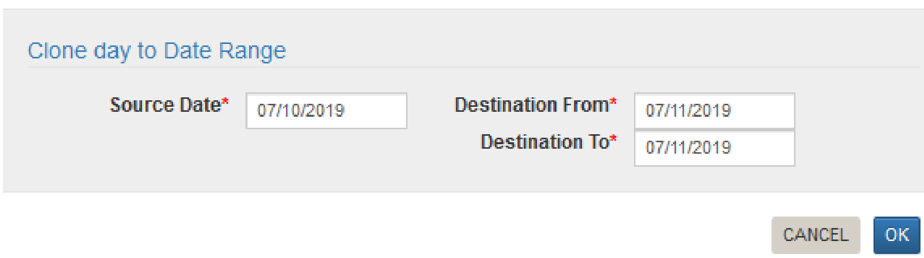
7.1.3 Adding data for additional days

The context menu contains two options to add additional days to a transaction.



Append New Day will add an empty row for every hour of the next calendar day of the transaction.

Once data exists for a day in the grid, **Clone Bid Data** can be used to copy that data to one or more continuous days. If the days are not continuous, the **Clone Bid Data** will need to be used multiple times.



7.1.4 Submitting transaction

Upon submittal of a transaction the validations described in Section 9 are applied. There are some errors which will cause the transaction to be rejected and some where the transaction will be accepted but errors may exist. If a display is presented that contains a 'FATAL' indication, an ISO-NE ID will NOT be created. If the pop-up message does not contain the word 'FATAL' or no pop-up message appears, the transaction will be created and each interval will have one of the statuses shown below.

Interval Status	Description
APPROVED	• Status automatically assigned when all validations are successful • ISO-NE employee has the ability to set the status to APPROVED if automated processes are not working properly o An example of when this action might be taken is if there are issues with ISO-NE's connectivity to the eTag database preventing comparison of the eTag data to the transaction data
PENDING ACTION	• Status automatically assigned when issues are identified with eTag, OASIS or market option validations. • **It is the responsibility of the customer to resolve this issue.** • ISO-NE will automatically re-validate intervals in this state every 5 minutes; if all issues are resolved the status will move to APPROVED
ISO REVIEW	• Status automatically assigned when all validations are successful and the market option Unconstrained Export is selected • An ISO-NE employee will review the information referenced in the transaction and move the status to APPROVED or DENIED
DENIED	• The initial submittal cannot result in a status of DENIED • Any interval of a transaction that is in the status of PENDING ACTION or ISO REVIEW at the close of the self-schedule market deadline will be automatically set to DENIED • An ISO-NE employee has the ability to set the status to DENIED if requested by the customer

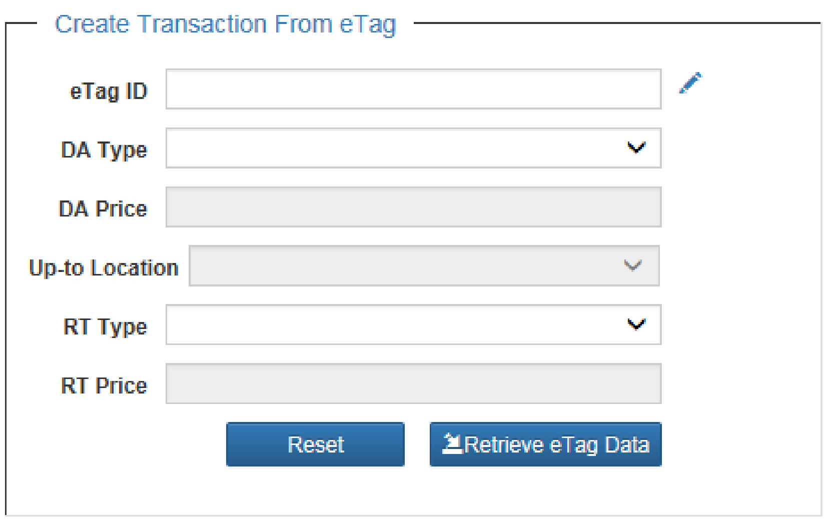
7.2 Create New Transaction from eTag

Selecting **Create from eTag** on the Organizer will open a display where a transaction can be created from an eTag that exists in the third party vendor's software. There are no validations performed on the eTag until the full transaction is submitted.

User can enter the eTag ID or use the pencil to open a dropdown of eTags created by their company. The fields on the display are interrelated based on the selections that are entered. Either DA Type or RT Type must be selected before **Retrieve eTag Data** can be selected.

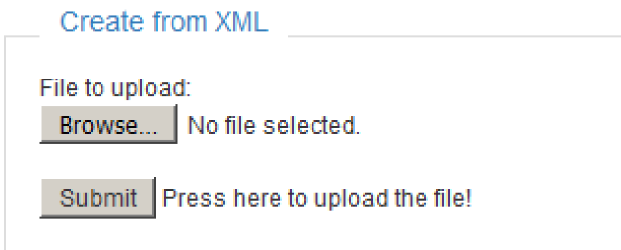
When **Retrieve eTag Data** is selected, the Hourly Detail display will be populated with the direction, source and sink as derived from the eTag. It will also be populated with any OASIS reservations and the MW profile applied to the selected market areas. Since the eTag does not contain a price, a price can be entered on this display which will be applied to EVERY hour of the transaction. If a varying price is desired the user will need to modify after the eTag data has been imported.

Once the Hourly Detail display is presented, the descriptions provided in Section 7 apply to complete the initial transaction.



7.3 Create New Transaction from XML

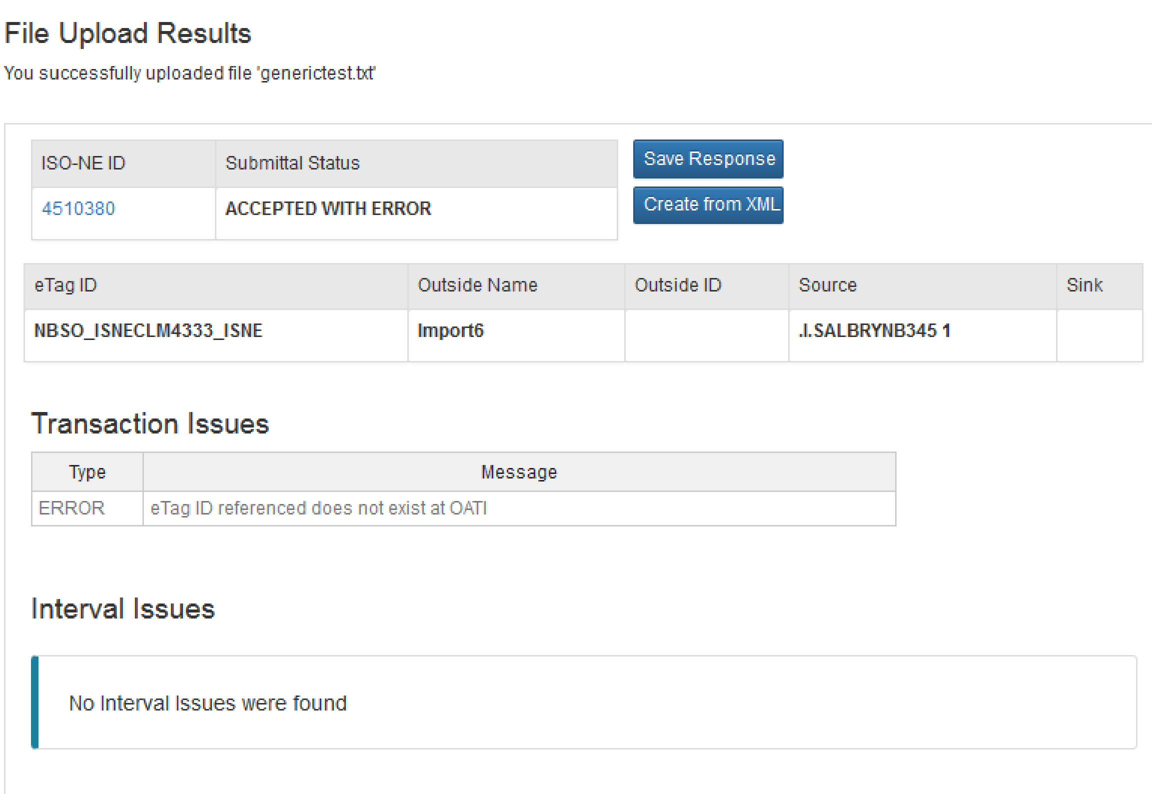
Selecting **Create from XML** on the Organizer will open a display where an XML file can be uploaded. This is the same XML file that can also be used in the programmatic upload process. After selecting the desired file, the content will be processed and the response will be provided on the display.



Key information from the file is provided on the display along with the results of the validation. If there are fatal errors identified the ISO-NE ID will not be created. There are two sections on the display, Transaction Issues and Interval Issues, that provide descriptions of the errors identified. This is the same information that is provided when the programmatic upload is performed. For more detail on these messages, see the NEXTT Web-Services Guide.

The results of the upload can be saved in XML format by selecting **Save Response**. This will provide a file with the same content as if the file had been uploaded programmatically.

You can click on the link to open the Hourly Detail display for the transaction. If you are uploading more than one file you can begin the process again from this results display.



8. Modifying Transactions

Once a transaction has been submitted it can be modified in the GUI or through the XML up until the market deadlines defined in the Tariff. This section identifies subtleties in the data modifications to consider.

8.1 Header Data

When data in the header is modified, EVERY interval on the transaction is re-validated.

- Header data on a DA transaction can be modified until the DA deadline.
- Header data on a RT transaction, priced or self-scheduled, can be modified until the deadline for self-scheduled RT transactions.

8.2 Interval Data

Data Replacement: When data in any interval is modified, the new data replaces the previously submitted data in its entirety. Therefore, as soon as you change the MW or Price of a RT interval, the status is set to null. If the previously submitted data for an interval was APPROVED and the new data for an interval has a status of PENDING ACTION and the issues are not resolved prior to the market deadline, the status of that interval will be set to DENIED; it will not revert back to the previously APPROVED data.

Modifying to 0 MW: When any RT interval is changed to 0 MW and submitted, no validations are performed on the change and the status of the interval will be set to WITHDRAWN.

Adding RT MW to existing DA transaction: If you attempt to add RT data to a transaction that was previously only submitted to DA, you may only add MW to hours that were originally submitted for DA. This is due to the fact that the header data you will add for the RT transaction also applies to the DA aspect of the transaction. If needed, once the RT data has been added you may then add additional hours of RT data.

Limitation on Date Filter: If the Date filter is enabled, data cannot be modified.

Re-offer indication: If you have submitted changes to the price on a RT transaction during the re-offer period the '*' column in the Hourly Detail grid will contain 'Y'. This indicates the modified RT price will be considered in the RT scheduling process.

Reset: If changes have been applied that are not desired, hitting the **Reset** button will return the display to the last submitted version of the transaction.

8.3 Withdrawing a Transaction

A user has the ability to WITHDRAW a transaction in the GUI.

- If the earliest market deadline associated with the transaction is still open, this action will set the value for any DA and RT interval previously submitted to 0 MW. The status for all RT intervals will be set to WITHDRAWN.
- If the earliest market deadline associated with the transactions has passed, the user must change all intervals that are still open to 0 MW and submit the transaction. Each RT interval with 0 MW will be set to a status of WITHDRAWN.

9. Validations Applied

9.1 All Transactions

Below are the data validations applied to all transactions

Field	Validation
MW	• Must be whole number • Must be <=999
Price	• Priced transactions must be between floor and ceiling as defined in the Tariff • Up-to Congestion transactions must be between $0.01 and $25.00
Outside Name	• Alpha-numeric string <=50 characters
Outside ID	• Alpha-numeric string <=20 characters
Subaccount	• If present, must be valid accounts as defined in CAMS • Default applied if none selected
Import Resource	• Import Capacity Resource ID if transaction is being submitted in support of FCM obligation • Must be a valid Import Capacity Resource ID
Dates	• Transaction can be submitted as early as 10 days prior to the start • Duration of a transaction can be up to 31 days

9.2 DAM Transactions

Additional validations performed on DAM transactions

Field	Validation
eTag	• If on CTS interface and eTag ID not present, transaction not accepted • Cannot be repeated within 12 months • Warning presented if tag does not exist

9.3 RTM Transactions

Additional validations performed on RTM transactions

Field	Validation
eTag	• If eTag ID is not present, transaction is not accepted • eTag ID cannot be repeated within 12 months • If eTag does not exist in vendor system, status for all intervals will be Pending Action • If eTag in vendor system has an invalid status, transaction is not accepted • If eTag in vendor system is in status = Pending, status for all intervals will be Pending Action • If OASIS referenced in eTag is different that OASIS linked to reservation, transaction is not accepted • If eTag MW less than transaction MW, interval status will be Pending Action ○ eTag MW and transaction MW do not need to match exactly
OASIS	• If not present for non-PTF interface, transaction is not accepted • If customer submitting transaction is not the same as the customer that owns the reservation, transaction is not accepted ○ Customer owning the OASIS reservation should contact ISO Customer Service to notify ISO-NE of other companies than can utilize their reservations • If status of reservation is anything other than CONFIRMED, transaction is not accepted • If OASIS does not exist, status for all intervals will be Pending Action
Import Resource	• If MW on Import Resource ID are overused for any hour, interval status will be Pending Action
Non-CSO Export	• If MW on referenced Asset ID are overused for any hour, interval status will be Pending Action
Other Options	• Information must be provided as defined in Manual 11 or transaction is not accepted

10. Customer Notification of MW Changes during the Day-After Checkout

There are instances when ISO-NE must modify the scheduled MW on a transaction during the Day After checkout process. There is feature that enables a customer to be notified of that change via email .

10.1 Who will be notified?

Customers can add the Contact Type “External Transaction MW Change Notification” to users with NEXTT accessin CAMS . Any user with this Contact Type will receive the email when the scheduled MW is changed on transaction after the operating hour has ended. To add a new Contact Type in CAMS please refer to the CAMS User Guide on the ISO-NE public website.

10.2 What will the notification look like?

The email notification will come from a no-reply email address noreply@iso-ne.com. The ISO-NE ID of transaction,, the date and time of the modification will be listed, but the MW information will not be included. The email notification may contain information regarding multiple transactions. The same notification will occur for transactions submitted to NEXTT and those submitted on the CTS interface in the NYISO JESS. The user will have to refer to the NEXTT software to see the changes made.

11. Record of Revisions

Version	Date	Changes
1	8/1/2019	Initial
2	8/3/2019	Included validation for eTag OASIS matching transaction OASIS
3	3/ 2021	• Editing is allowed when filtering is applied to multi-date transactions • CTS Organizer display and Transaction Details display show changes made during and after real-time • Customer can request notification of changes made after real-time