



UG 22

Grid Operations Coordination Portal Users Guide

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Revision History

Version	Date	Revisions
1.0	05/05/2023	Initial Release

1. Introduction

This user guide is intended for Aggregators, Transmission Owners (TOs) and Distribution System Operators (DSOs) who are users of the Grid Operations Coordination Portal (GOCP). This user guide has been organized in the following fashion:

- [Section 1](#) serves as a general introduction.
- [Section 2](#) describes the hardware and software requirements to access the GOCP.
- [Section 3](#) describes the use of the GOCP by Aggregators.
- [Section 4](#) describes the use of the GOCP by TOs.
- [Section 5](#) describes the use of the GOCP by DSOs.

1.1. Description of the Grid Operations Coordination Portal

The GOCP is a user-friendly, secure, Web-Based application. The GOCP includes features that support the requirements to schedule an outage request or a Supplemental Resource Availability (SRA) request.

1.2. Description of an Aggregation Outage Schedule

In the NYISO's Distributed Energy Resources (DER) participation model, DERs are modeled as Aggregations at Transmission Nodes identified by NYISO in coordination with the Transmission Owners in each sub-zone. These Transmission Nodes represent an "electrically similar" point in the distribution system where individual DER facilities can be aggregated. NYISO does not model the distribution system, and therefore distribution system outages can't be modeled specifically. DER outages will be modeled as derates of the Aggregation.

The GOCP provides Aggregators, Transmission Owners and NYISO Operators the means to submit Aggregation short term outages. Distribution System Operators (DSOs) can also submit outage requests but will have to do it through the appropriate Transmission Owner.

1.3. Description of an SRA Request

SRA requests are used to make dispatch-only Aggregations available at a specific date and time for the NYISO or the TO operators to address reliability issues. DSOs can make SRA requests to address distribution system reliability needs but only through the appropriate TO. The NYISO will not communicate SRA request results to DSOs. TOs are responsible for notifying DSOs of Aggregations reserved via the SRA process.

The SRA process enables TOs, DSOs and NYISO operators to request a specific dispatch-only resource to bid its capability at a specific date and time or enter an outage schedule for the specified period. The

resource will need to have a valid bid for the specified date and time. SRA requests can be entered from the current date and time through the end of the next Day-Ahead Market period.

1.4. Grid Operations Coordination Portal System Users

The community of users for the GOCP are Aggregators, TOs, DSOs and NYISO Operators. DSOs will have read-only access.

1.5. Obtaining Help and Handling Error Messages

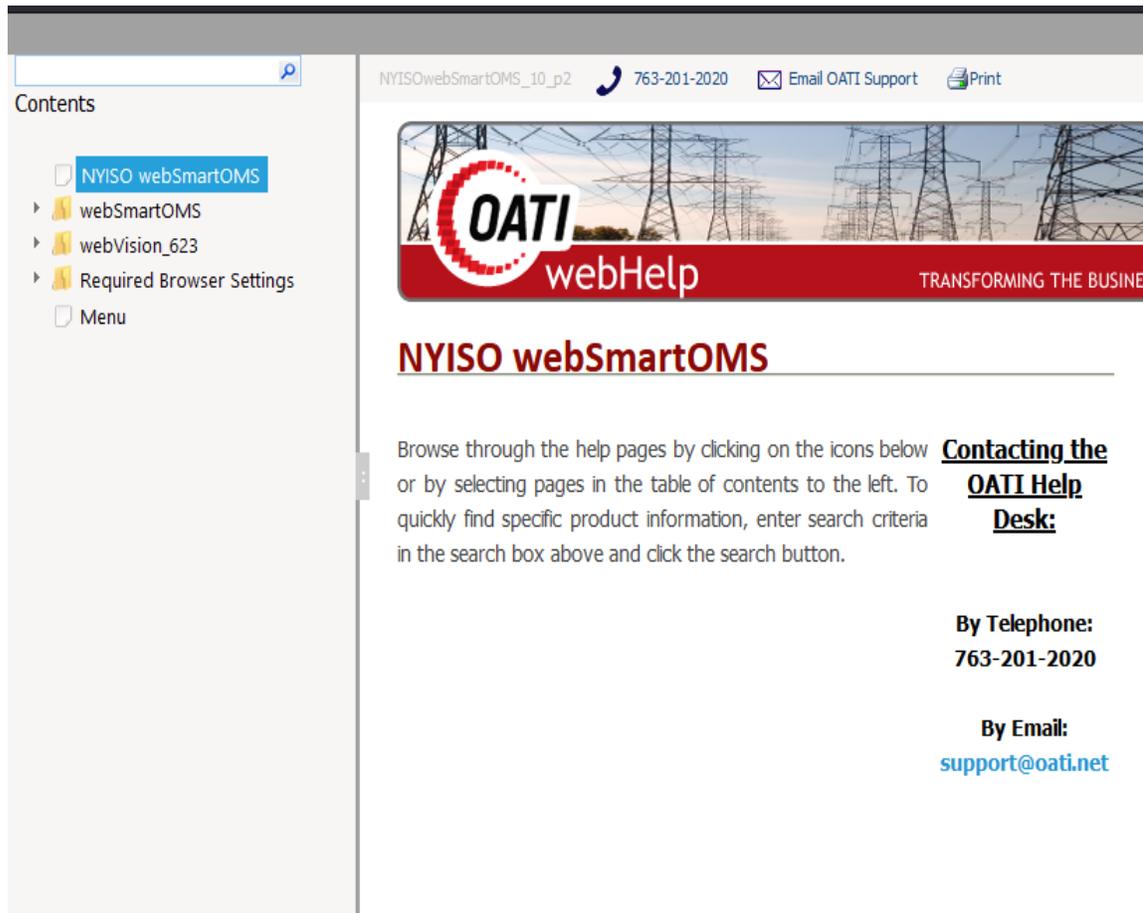
When help is required while using the GOCP functionality, please contact your NYISO Stakeholder Services Representative.

Error messages may appear occasionally while using this software. These messages will be displayed in a pop-up window with information about the error. After reading the message, close the window and proceed. If additional help or information is needed, please contact your Stakeholder Services Representative.

Additionally, there is a Help icon within application if you require further support.



When the user selects the Help icon; a separate window will be presented:



Users can use the Search feature or menu in the panel on the left to find content to review.

2. User Requirements

The system requirements for the user to run the GOCP in the Outage Scheduler System (OMS) is described in this section.

2.1. Computer Hardware and Software

The following are required to access the GOCP in the NYISO OMS:

Hardware Specifications

	Recommended	Optimal
Graphics Memory (GPU)	512 MB of GDDR4 or higher	2GB GDDR5 or higher

Processor	(4 MB cache, 4 cores, 4 threads) or higher	(6 MB cache, 4 cores, 8 threads) or higher
RAM	8 GB	16 GB
HDD	SSD	M.2 SSD

Software Specifications

Product	Required
Operating System	64-bit
Browser	Internet Explorer 11 ¹ (Run in 64-Bit) Google Chrome 96 or higher ² Microsoft Edge 96 or higher ² Mozilla Firefox - x64 - 96 or higher ²
Browser Add-ons	Microsoft Silverlight 5.1.50907.0 ³
CSV	Spreadsheet application
PDF	PDF Reader

Network Specifications

	Recommended	Optimal
Network Connectivity	T1 internet connection	OATInet or other private network connection

2.2. Digital Certificates and MIS Privileges

All users must have a valid digital certificate installed on their respective computers and specific to their respective browsers to access the NYISO OMS.

For more information on digital certificates (including applying, exporting, obtaining installing, and validating), please see the *NYISO Market Participant User's Guide*, available from the NYISO Web site at the following URL:

<https://www.nyiso.com/manuals-tech-bulletins-user-guides>

Existing Market Information System (MIS) accounts need to be set-up with GOCP privileges. At the organization level, this must be done by the NYISO. Once the organization is set up with the necessary privileges, the organization's MIS Administrator may then assign GOCP privileges at the user level. If the MIS does not reflect the **GOCP GO Observer**, **GOCP GO Scheduler**, **GOCP TO Observer**, **GOCP TO Scheduler** or **GOCP DSO Observer** privileges in the **Privileges** area of the Organization Details display for

your organization, contact the NYISO Stakeholder Services group as outlined in the section of the *NYISO Market Participant User's Guide* on Changing Privileges/Authorizations, Contact Information, and Classifications.

2.3. Logging in to the GOCP

 **To log in to the GOCP¹**

Note: To access the GOCP, the user must have GOCP privileges.

1. Point your browser to the NYISO Home page at www.nyiso.com (see **Figure 1**).

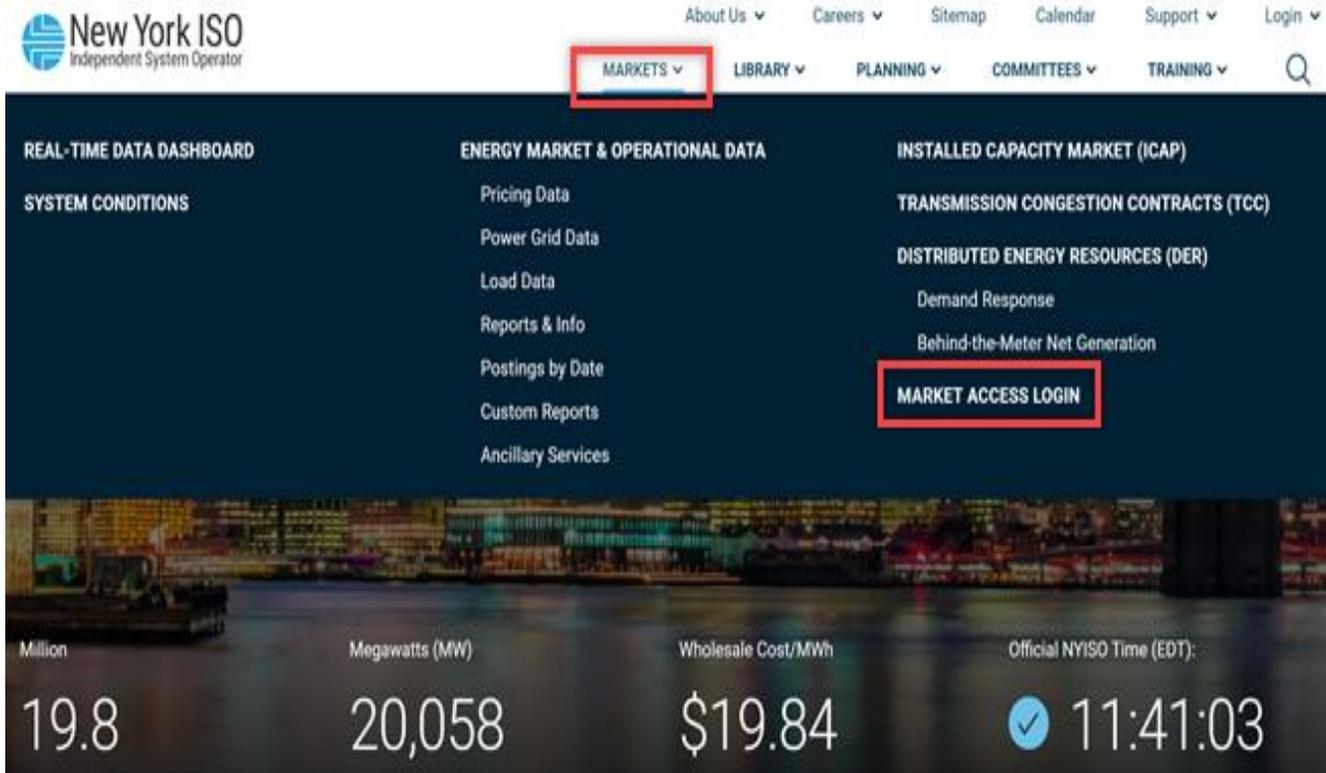
Figure 1: NYISO Home Page



¹ Some screenshots in this user's guide were captured after resizing the application's window. This may have caused the application to wrap within the window and appear slightly different as compared to viewing in a fully sized browser window. Some screenshots were cropped for ease of presentation. When opening a report your internet software may cause a new tab to open within the browser. In this case, the user may close the tab and will remain logged in to the system.

2. On the NYISO Home page, position your mouse over the **Markets & Operations** header. The header expands to list related categories of information (See Figure 2).

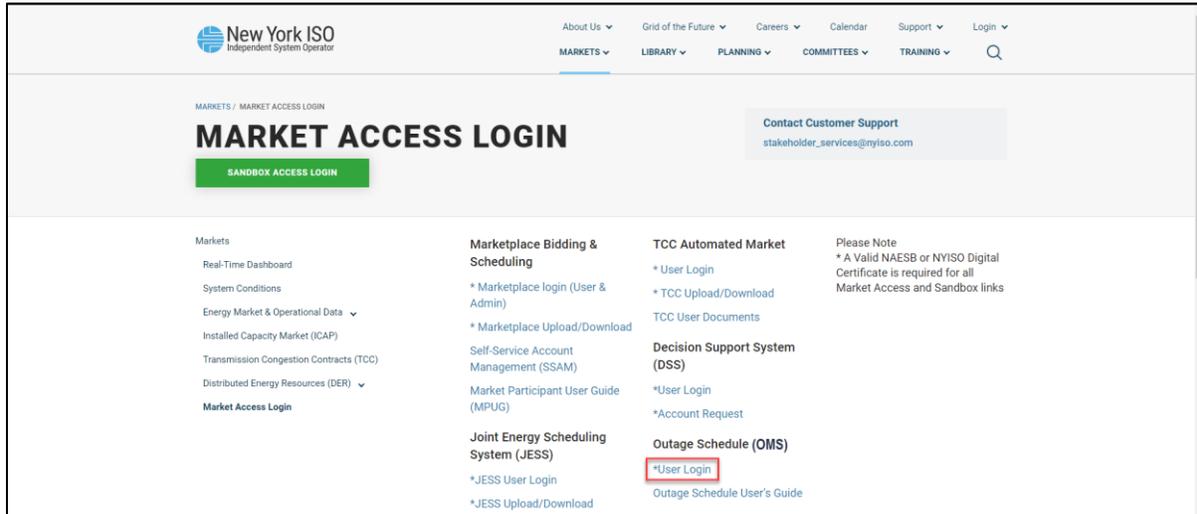
Figure 2: Expanded NYISO Markets & Operations Header Highlighting *Market Access Login* Link



- Under the **Market & Operational Data** category in the displayed list, activate the **Market Access Login** link (See **Figure 2**).

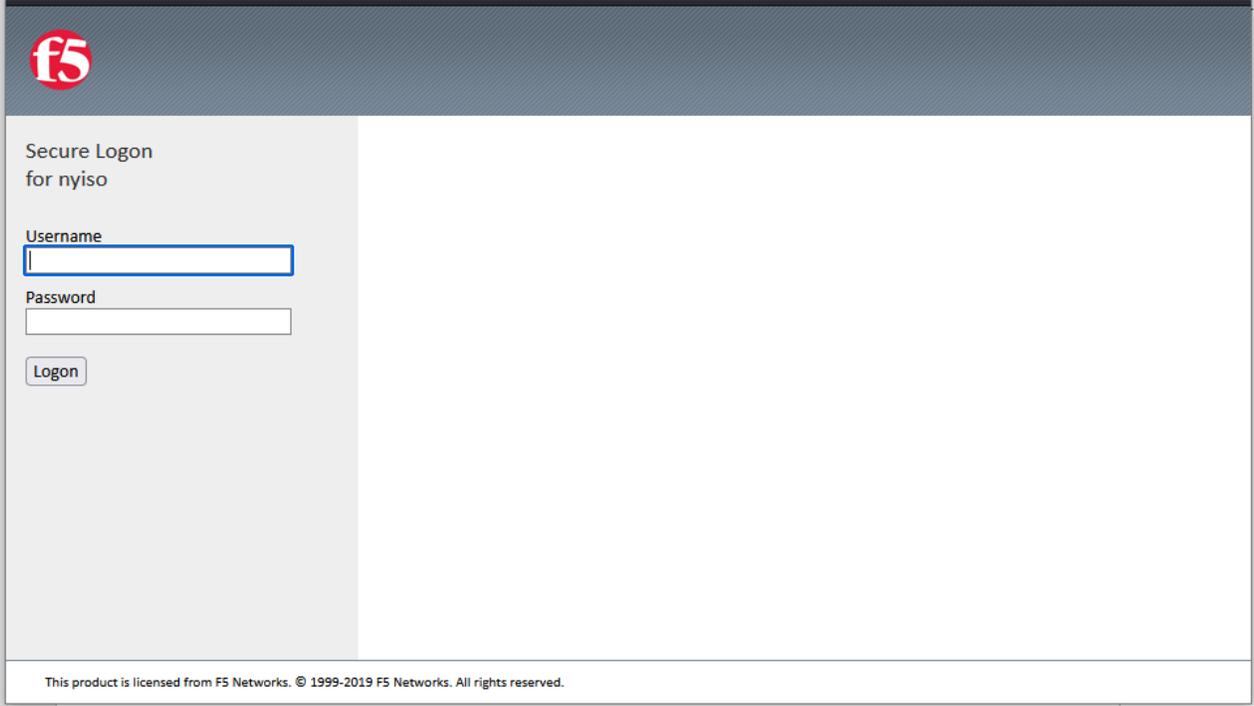
The Market Access Login Web page is displayed (See **Figure 3**).

Figure 3: Market Access Login Web Page Highlighting *User Login* Link for the OMS



- Under the **OMS** heading, choose **User Login**.
The OMS Login page is displayed as shown in Figure 4.

Figure 4: NYISO OMS Login Page



- In the corresponding fields, type your MIS **Username** and **Password**.

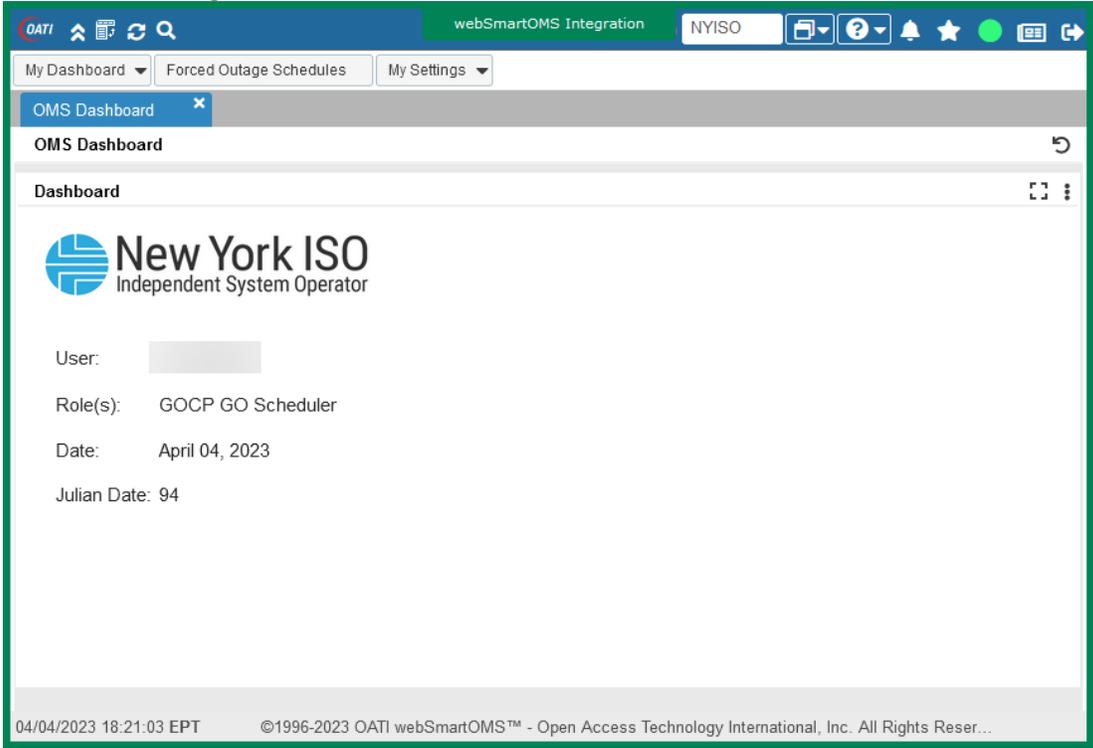
Note: The password is case sensitive.

- Activate the **Logon** button.

By default, following login, the GOCP Dashboard is displayed as shown in Figure 5, **Error! Reference source not found., Error! Reference source not found.,**

Figure 8, and Figure 9 depending on the role(s) assigned to your Username.

Figure 5: NYISO GOCP GO Scheduler Dashboard



The screenshot shows a web browser window displaying the NYISO GOCP GO Scheduler Dashboard. The browser's address bar shows "webSmartOMS Integration" and "NYISO". The dashboard header includes navigation tabs for "My Dashboard", "Forced Outage Schedules", and "My Settings". Below the header, the page title is "OMS Dashboard". The main content area features the NYISO logo and the text "New York ISO Independent System Operator". User information is displayed, including "User:" (redacted), "Role(s): GOCP GO Scheduler", "Date: April 04, 2023", and "Julian Date: 94". The footer contains the timestamp "04/04/2023 18:21:03 EPT" and the copyright notice "©1996-2023 OATI webSmartOMS™ - Open Access Technology International, Inc. All Rights Reser..."

Figure 6: NYISO GOCP GO Observer Dashboard

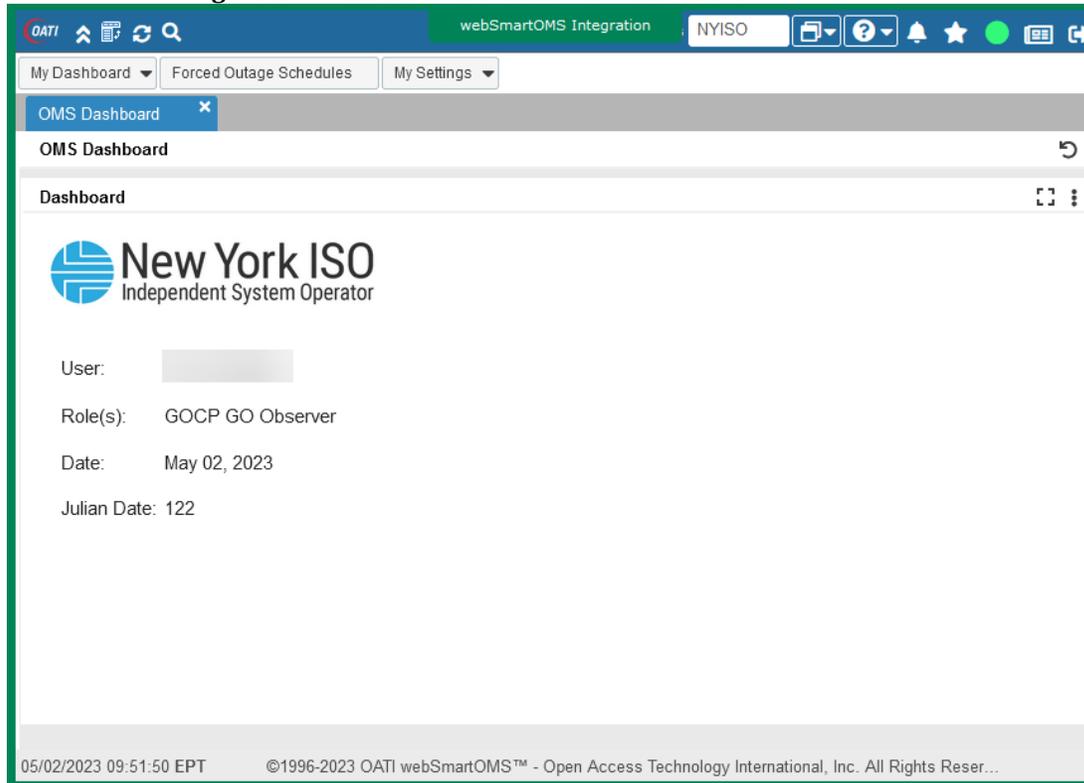


Figure 7: NYISO GOCP TO Scheduler Dashboard

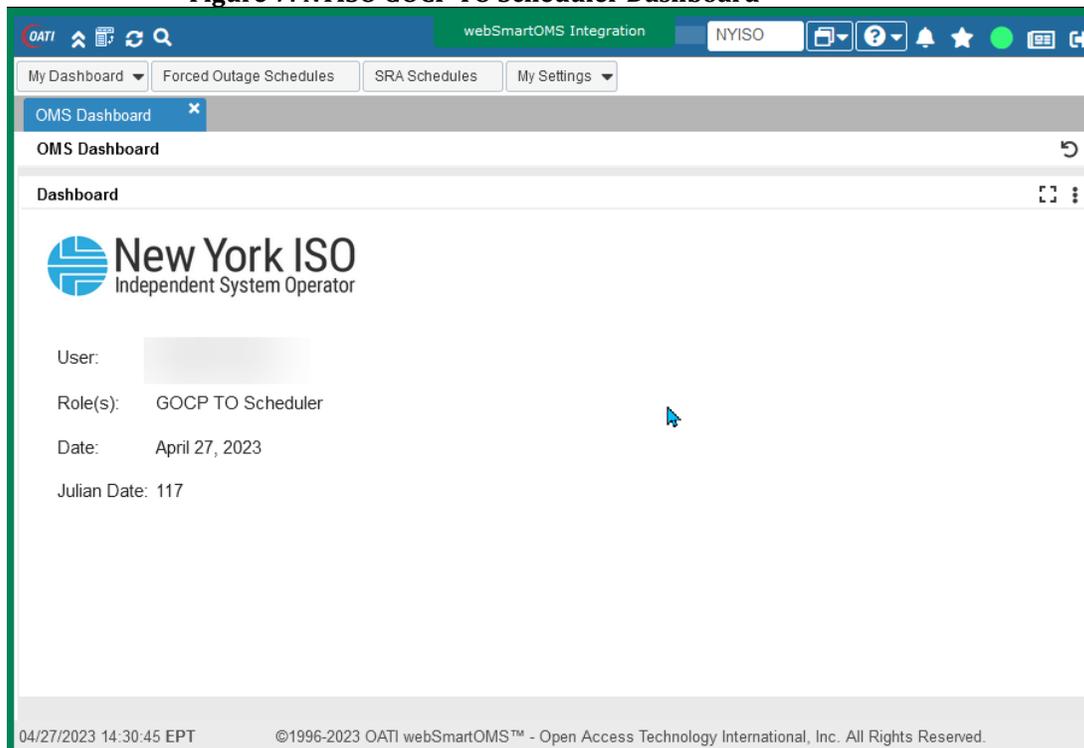


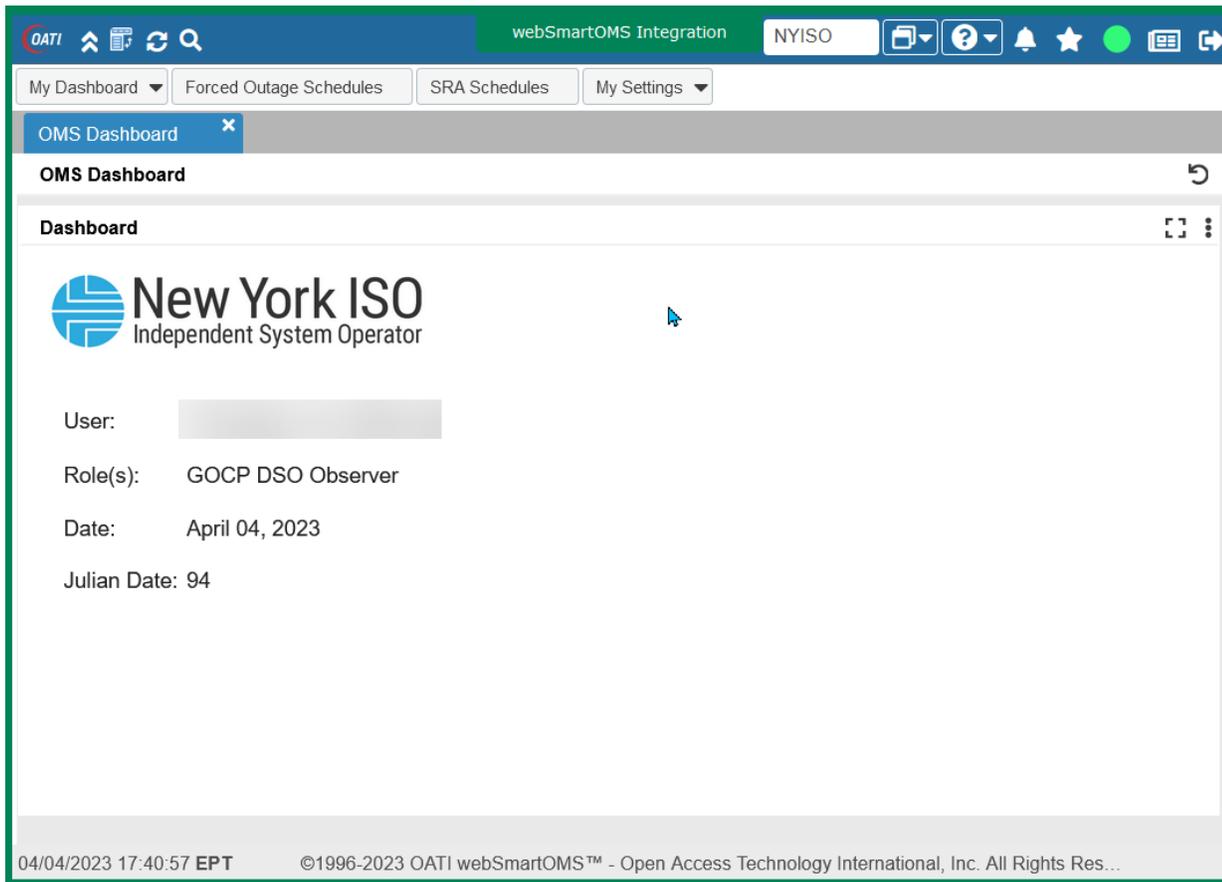
Figure 8: NYISO GOCP TO Observer

The screenshot displays the webSmartOMS interface for a user with the role 'GOCP TO Observer'. The browser's address bar shows 'webSmartOMS Integration' and 'NYISO'. The navigation menu includes 'My Dashboard', 'Forced Outage Schedules', 'SRA Schedules', and 'My Settings'. The main content area features the New York ISO logo and the following user information:

- User: [Redacted]
- Role(s): GOCP TO Observer
- Date: April 04, 2023
- Julian Date: 94

The footer contains the text: '04/04/2023 19:07:30 EPT ©1996-2023 OATI webSmartOMS™ - Open Access Technology International, Inc. All Rights Rese...'

Figure 9: NYISO GOCP DSO Observer Dashboard



From these dashboards users can access the functionality provided by the GOCP to create and update Forced Outage Schedules, download a list of Forced Outage Schedules, create SRA Schedules, and download a list of SRA Schedules.

3. Use of the GOCP by Aggregators

Aggregators can access the GOCP to enter forced outage requests for Aggregations, and to view and generate lists of outage requests currently in the GOCP. Forced outages are only entered for the current time forward to the end of the next Day-Ahead Market (DAM) period.

Aggregator users will need to have one of the following roles assigned to them to access the GOCP:

- **GOCP GO Observer**
- **GOCP GO Scheduler**

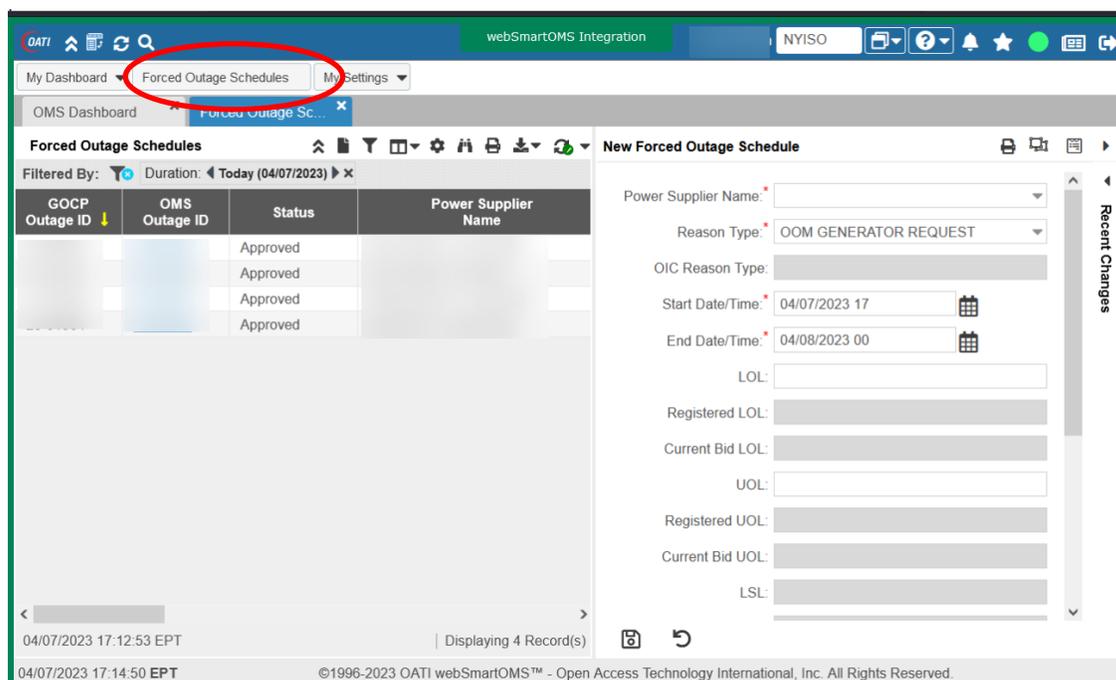
Aggregator users with the **GOCP GO Scheduler** role will be able to enter, modify, cancel, and end outage requests, as well as view and generate outage request lists. Aggregator users with the **GOCP GO Observer** role will only have access to view existing outages. Users with either role will only be able to view and access the outages associated with their organizations.

Aggregator users can access the GOCP as described in Section 2.3.

3.1. New Outage Request

After login (described in Section 2.3), Aggregator users will land in the GOCP GO Scheduler Dashboard shown in Figure 5. From here, choosing the “Forced Outage Schedules” option brings up the Forced Outage Schedules display (refer to **Figure 10**).

Figure 10: Forced Outage Schedules Display



From the Forced Outage Schedules display, Aggregator users can select the “New Outage” icon on the upper right-hand corner or expand the “New Forced Outage Schedule” panel to bring up the New Forced Outage Schedule form (see Figure 11).

Figure 11: New Forced Outage Schedule Form

The screenshot displays the 'New Forced Outage Schedule' form within the webSmartOMS interface. The interface includes a navigation bar with 'My Dashboard', 'Forced Outage Schedules', and 'My Settings'. A table titled 'Forced Outage Schedules' is visible on the left, with a 'New Outage' icon circled in red. The main form on the right contains the following fields:

- Power Supplier Name:
- Reason Type:
- OIC Reason Type:
- Start Date/Time:
- End Date/Time:
- LOL:
- Registered LOL:
- Current Bid LOL:
- UOL:
- Registered UOL:
- Current Bid UOL:
- LSL:
- Registered LSL:
- Current Bid LSL:
- USL:
- Registered USL:
- Current Bid USL:
- Reason Log:

The footer shows the date '04/05/2023 07:01:41 EPT' and copyright information: ©1996-2023 OATI webSmartOMS™ - Open Access Technology International, Inc. All Rights Reserved.

To enter an outage schedule, the user enters the required fields in the table below on the “New Forced Outage Schedule” form. The rest of the fields in this form are obtained from the MIS once the Power Supplier ID is entered.

Field Name	Description	Editable (Y/N)
Power Supplier Name	A list of MIS Power Supplier Names for units assigned to that user that are selectable from a drop-down list.	Y
Reason Type	Reason for the outage request; selectable from a drop-down list. Allowed values include: <ul style="list-style-type: none"> OOM GENERATOR REQUEST MWH-OOM GENERATOR REQUEST 	Y
OIC Reason Type	Operator Initiated Commitment Type (Only available for specific reason types)	N
Start Date/Time	Start Date/Time of Forced Outage request entered as MM/DD/YYYY 24HH	Y
End Date/Time	End date/Time of Forced Outage request entered as MM/DD/YYYY 24HH	Y
LOL	Lower Operating Limit (For withdrawal eligible units)	Y
Registered LOL	Registered Lower Operating Limit (For withdrawal eligible units)	N
Current Bid LOL	Current bid Lower Operating Limit (For withdrawal eligible units)	N
Current Bid UOL	Current bid Upper Operating Limit	N
Registered UOL	Registered Upper Operating Limit	N
UOL	Upper Operating Limit	Y
LSL	Lower Storage Limit (For withdrawal eligible units)	Y
Registered LSL	Registered Lower Storage Limit (For withdrawal eligible units)	N
Current Bid LSL	Current bid Lower Storage Limit	N
Current Bid USL	Current bid Upper Storage Limit (For withdrawal eligible units)	N
Registered USL	Registered Upper Storage Limit (For withdrawal eligible units)	N
USL	Upper Storage Limit (For withdrawal eligible units)	Y
Reason Log	Open text field to describe the reason for the outage	Y

Once data entry is completed, the user selects the “Save” button at the bottom of the form to submit the schedule for approval by the NYISO Operator. Data validation is performed upon schedule submission and errors are listed at the bottom of the form if validation fails for any of the entered fields.

After the outage is submitted it will be in one of the following states:

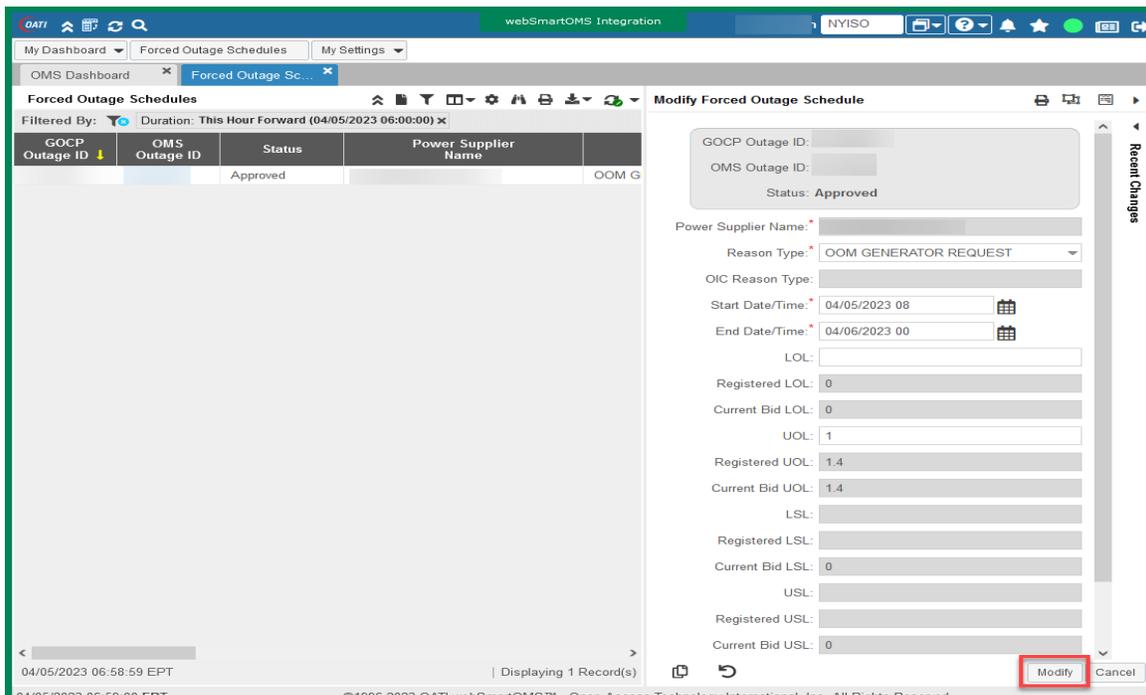
- **New**
The outage request has been entered, validated, and submitted to NYISO for approval.
- **Approved**
There are two types of approvals:
 1. Manual - The NYISO has reviewed the outage request and has approved it.
 2. Auto-Approved - The DMNC of the associated resources is below a threshold specified by the NYISO.
- **Declined**
The NYISO has reviewed the outage request and has determined that it cannot reliably occur.

3.2. Modifying a Forced Outage Schedule

From the GOCP GO Scheduler Dashboard shown in Figure 5, choosing the “Forced Outage Schedules” option brings up the Forced Outage Schedules display (refer to **Figure 10**).

Users can then select an existing outage to modify (only outages in the **New, Modified or Approved** states can be selected for modification). Selection of an outage will copy the outage parameters to the “Modify Forced Outage Schedule Form” which will be brought up on the right side of the Forced Outage Schedules display (see [Figure 12](#)) below.

Figure 12: Modify Forced Outage Schedule Form



The selected outage can then be modified with a new entry in one or more of the following fields:

Field Name	Description	Editable (Y/N)
Power Supplier Name	A list of MIS Power Supplier Names for units assigned to that user that are selectable from a drop-down list.	N
Reason Type	Reason for the outage request; selectable from a drop-down list. Allowed values include: <ul style="list-style-type: none"> OOM GENERATOR REQUEST MWH-OOM GENERATOR REQUEST 	Y
OIC Reason Type	Operator Initiated Commitment Type (Only available for specific reason types)	N
Start Date/Time	Start Date/Time of Forced Outage request entered as MM/DD/YYYY 24HH	Y
End Date/Time	End date/Time of Forced Outage request entered as MM/DD/YYYY 24HH	Y
LOL	Lower Operating Limit (For withdrawal eligible units)	Y

Field Name	Description	Editable (Y/N)
Registered LOL	Registered Lower Operating Limit(For withdrawal eligible units)	N
Current Bid LOL	Current bid Lower Operating Limit (For withdrawal eligible units)	N
Current Bid UOL	Current bid Upper Operating Limit	N
Registered UOL	Registered Upper Operating Limit	N
UOL	Upper Operating Limit	Y
LSL	Lower Storage Limit (For withdrawal eligible units)	Y
Registered LSL	Registered Lower Storage Limit (For withdrawal eligible units)	N
Current Bid LSL	Current bid Lower Storage Limit	N
Current Bid USL	Current bid Upper Storage Limit (For withdrawal eligible units)	N
Registered USL	Registered Upper Storage Limit (For withdrawal eligible units)	N
USL	Upper Storage Limit (For withdrawal eligible units)	Y
Reason Log	Open text field to describe the reason for the outage	Y

Once data entry is completed, the user selects the “Modify” button at the bottom of the form to submit the modified schedule for approval by the NYISO. Data validation is performed upon schedule submission and errors are listed at the bottom of the form if validation fails for any of the entered fields.

After the outage is submitted it will be in one of the following states:

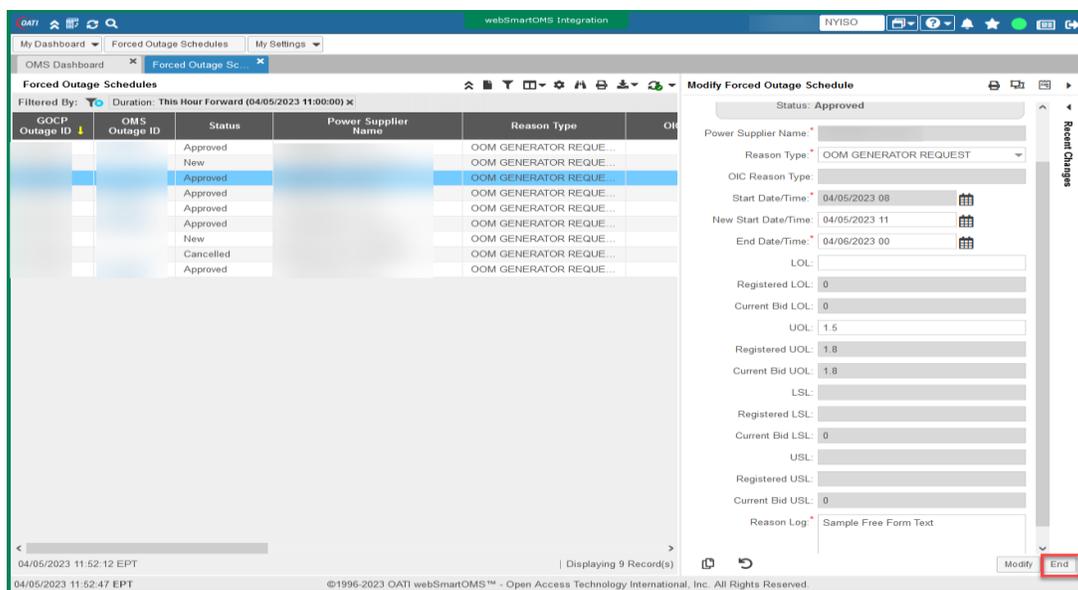
- **Modified**
The outage request has been modified, validated, and submitted to the NYISO for approval.
- **Approved**
There are two types of approvals:
 1. Manual - The NYISO has reviewed the outage request and has approved it.
 2. Auto-Approved - The DMNC of the associated resources is below a threshold specified by the NYISO.
- **Declined**

The NYISO has reviewed the outage request and has determined that it cannot reliably occur.

3.3. Ending a Forced Outage with a GO Reason Type

Users can end a forced outage schedule from the Modify Forced Outage Schedule Form (see Figure 12). The schedule can be copied into this form by selecting it in the main display area. Once in the Modify Forced Outage Schedule form, users can select the “End” button in the lower right-hand corner of the form to End the schedule. Only an active outage can be ended (See Figure 13).

Figure 13: Modify Forced Outage Schedule Panel – End

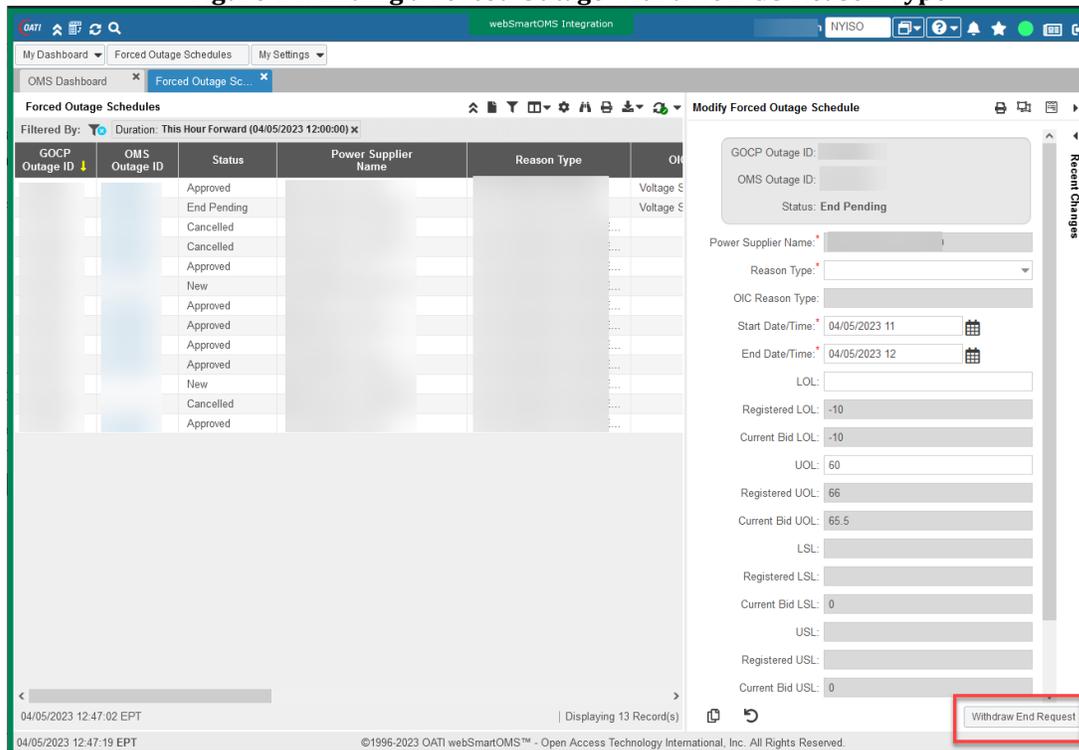


3.4. Ending a Forced Outage with a Non-GO Reason Type

Users can request to end an active outage from the Modify Forced Outage Schedule (see Figure 12). The schedule can be copied into this form by selecting it in the main display area. Once in the Modify Forced Outage Schedule form, users can select the “End” button in the lower right-hand corner of the form to end the schedule. This will put the forced outage into an “End Pending” status.

An Aggregator has the option to withdraw the end request prior to the End Date/Time of the scheduled outage, provided the end request has not been approved by a NYISO Operator (See Figure 14).

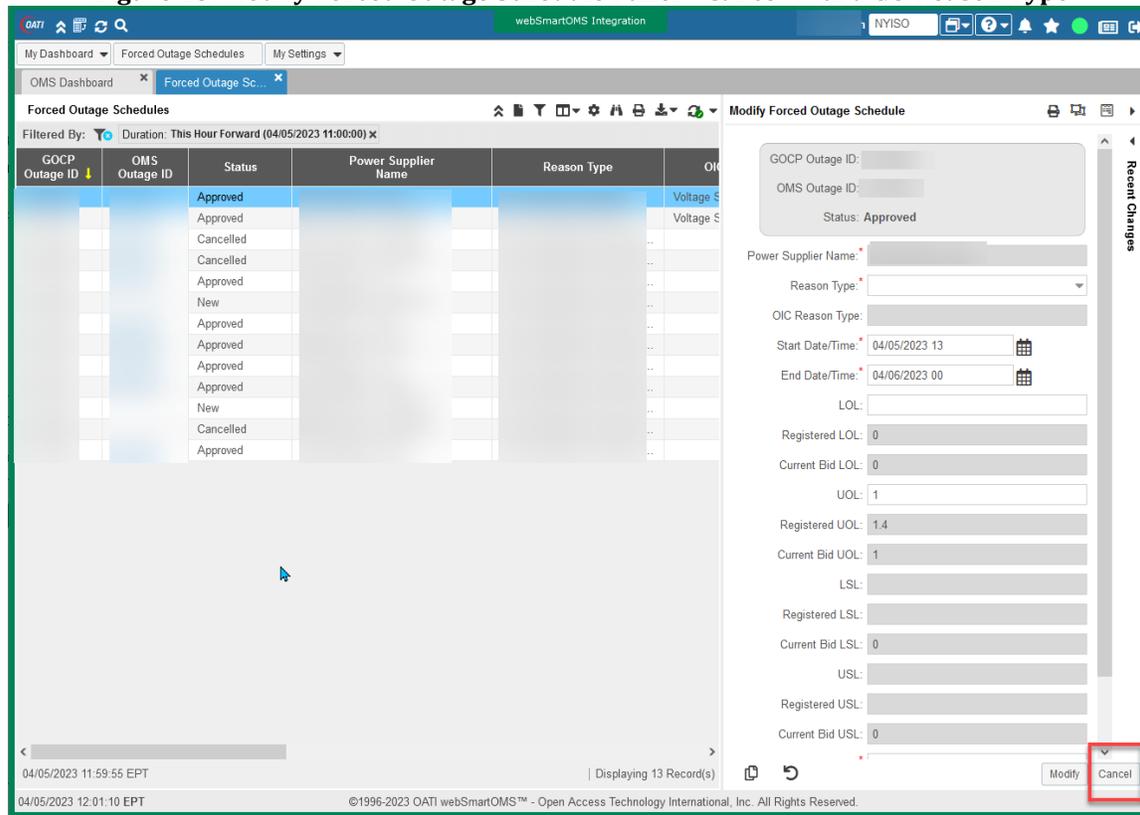
Figure 14: Ending a Forced Outage with a Non-GO Reason Type



3.5. Cancelling a Forced Outage with a GO Reason Type

Users can cancel a forced outage schedule from the Modify Forced Outage Schedule Form (see Figure 12). The schedule can be copied into this form by selecting it in the main display area. Once in the Modify Forced Outage Schedule form, users can select the “Cancel” button in the lower right-hand corner of the form to cancel the schedule (See Figure 15).

Figure 15: Modify Forced Outage Schedule Panel – Cancel with a GO Reason Type

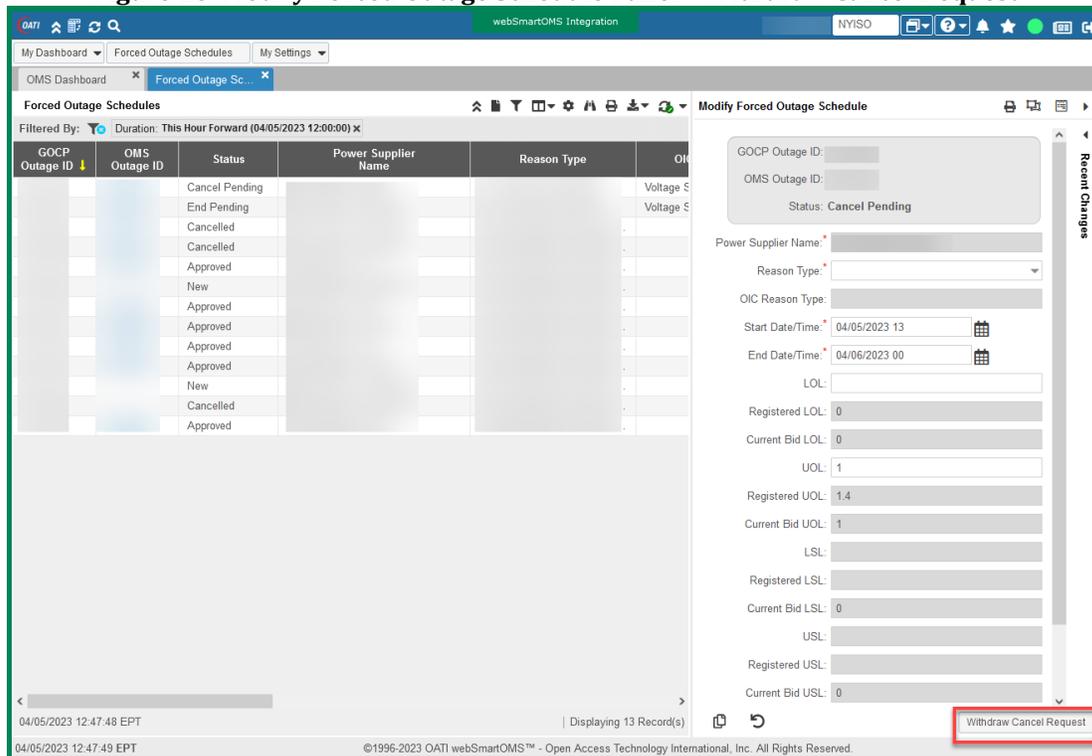


3.6. Cancelling a Forced Outage with a Non-GO Reason Type

Users can request to cancel a current schedule from the Modify Forced Outage Schedule (see Figure 12). The schedule can be copied into this form by selecting it in the main display area. Once in the Modify Forced Outage Schedule form, users can select the “Cancel” button in the lower right-hand corner of the form to cancel the schedule.

An Aggregator has the option to withdraw the cancellation request prior to the Start Date/Time of the scheduled outage, provided the cancellation has not been approved by a NYISO Operator (See Figure 16).

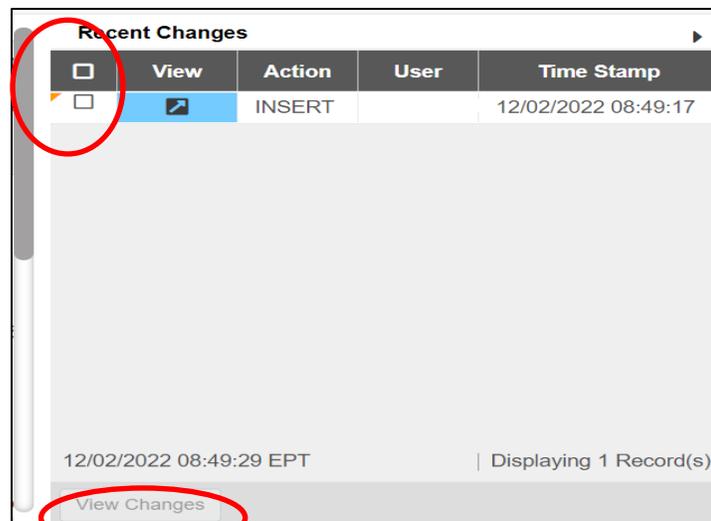
Figure 16: Modify Forced Outage Schedule Panel – Withdraw Cancel Request



3.7. View Outage Request Change History

Aggregator users can see changes that have been made to a schedule by expanding the Recent Changes panel from the Modify Forced Outage Schedule Panel (See **Figure 17**).

Figure 17: Recent Changes Panel



Users can then select the changes they would like to see and select the “View Changes” button at the bottom of the panel to bring up the Audit Viewer Form (see [Figure 18](#)) where changes can be viewed in detail.

Figure 18: Audit Trail Viewer

Audit Trail Viewer

Attribute	INSERT
User	
Time Stamp	12/02/2022 08:49:17
GOCP Outage ID	22-00004
OMS Outage ID	
Status	New
Power Supplier Name	
Power Supplier PTID	
Reason Type	OOM GENERATOR...
OIC Reason Type	
LOL	40.00
UOL	62.50
LSL	
USL	

12/02/2022 10:14:32 EPT ©1996-2022 OATI webSmartOMS™ - Open Access Technology International, Inc. All Rights Reserved.

4. Request Status Conditions

- **New**

Outage information has been saved and stored in the Grid Operations Coordination Portal (GOCP). The Outage has been submitted for Approval.

- **Approved**

There are two types of approvals:

1. Manual - The NYISO has reviewed the outage request and has approved it.
2. Auto-Approved - The DMNC of the associated resources is below a threshold specified by Operations Management.

- **Modified**

A request that was previously submitted has been edited.

- **Denied**

The NYISO evaluators have reviewed the request and have determined that it cannot reliably occur as scheduled. A denial is a non-reversible transaction.

- **Cancelled**

The user has decided to withdraw the request after the outage was stored in the Grid Operations Coordination Portal (GOCP). A cancel is a non-reversible transaction.

- **Cancel Pending**

The user has submitted a request to cancel an outage with a Reason Type other than “OOM GENERATOR REQUEST” and “MWH-OOM GENERATOR REQUEST.” A cancel outage request is sent to the NYISO for approval.

- **End Pending**

The user has submitted a request to end an outage with a Reason Type other than “OOM GENERATOR REQUEST” and “MWH-OOM GENERATOR REQUEST.” An end outage request is sent to the NYISO for approval.

5. Forced Outage Report

Operators can download or print a Forced Outage Schedule report by going to the Forced Outage Schedules display and selecting the “Download” or “Print” icon on the right-hand side of the bar at the top of the screen. This action generates a report as shown in Figure 19 below. The report will list all Forced Outage Schedules currently in the GOCP.

Before printing, Operators can filter outages shown in the Forced Outage Schedules display. by selecting the filter icon and specifying a filter criterion. This will allow the Operators to print a filtered list of outages.

Figure 19: Forced Outage Report

Forced Outage Schedules												
GOCP Outage ID	OMS Outage ID	Status	Power Supplier Name	Reason Type	OIC Reason Type	Start Date/Time	End Date/Time	LOL	UOL	LSL	USL	Reason Log
		Approved		TO VOLTAGE SUPPORT	Voltage Support	04/17/2023 14	04/18/2023 00				6.0	Voltage Support

6. Use of the GOCP by Transmission Owners

TOs can access the GOCP to enter forced outage requests for Aggregations and to submit SRA requests. TO users can also access the GOCP to view and print lists of outage requests and SRA requests currently in the GOCP. Forced outages are only entered for the current time forward to the end of the next Day-Ahead Market (DAM) period.

TO users will need to have one of the following roles assigned to them:

- **GOCP TO Observer**
- **GOCP TO Scheduler**

TO users with the **GOCP TO Scheduler** role will be able to enter, modify, cancel, and end outage requests, as well as view and print outage and SRA request lists. TO users with the **GOCP TO Observer** role will only have access to view existing outages and SRA requests. TO users with either role will only be able to view and access the outages and SRA requests associated with their organization.

TO users can access the GOCP as described in Section 2.3.

6.1. New Outage Request

After login (described in Section 2.3), TO users will land in the GOCP Dashboard (TO) shown in **Figure 20** below. From here, choosing the “Forced Outage Schedules” option brings up the Forced Outage Schedules display (refer to Figure 21).

Figure 20: GOCP Dashboard (TO)

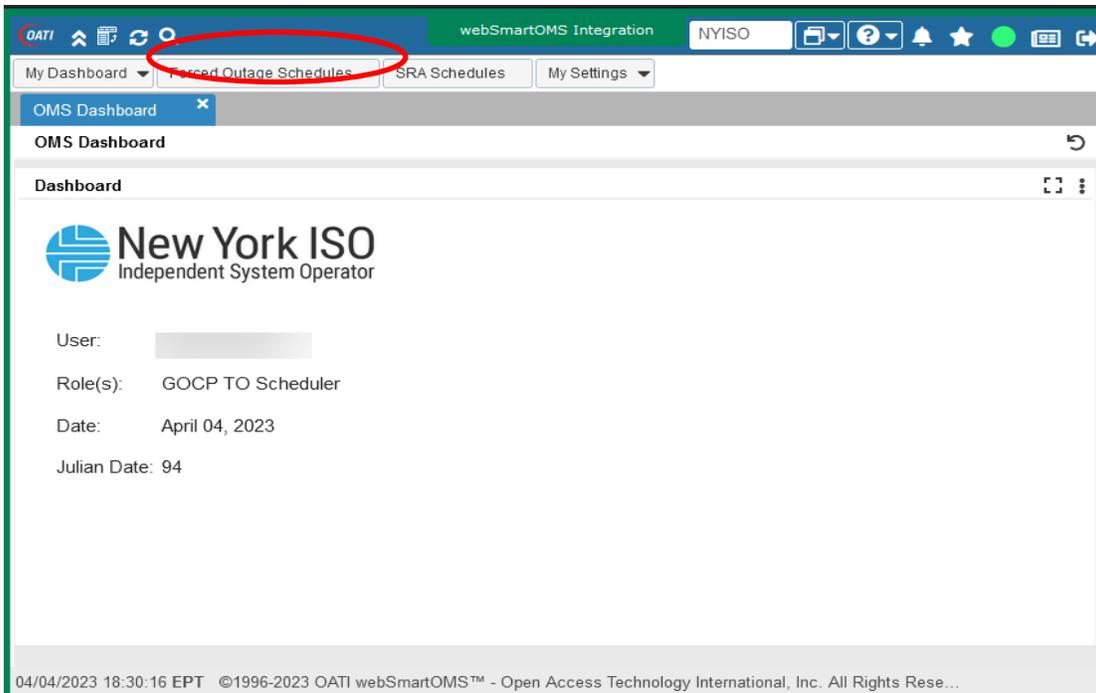
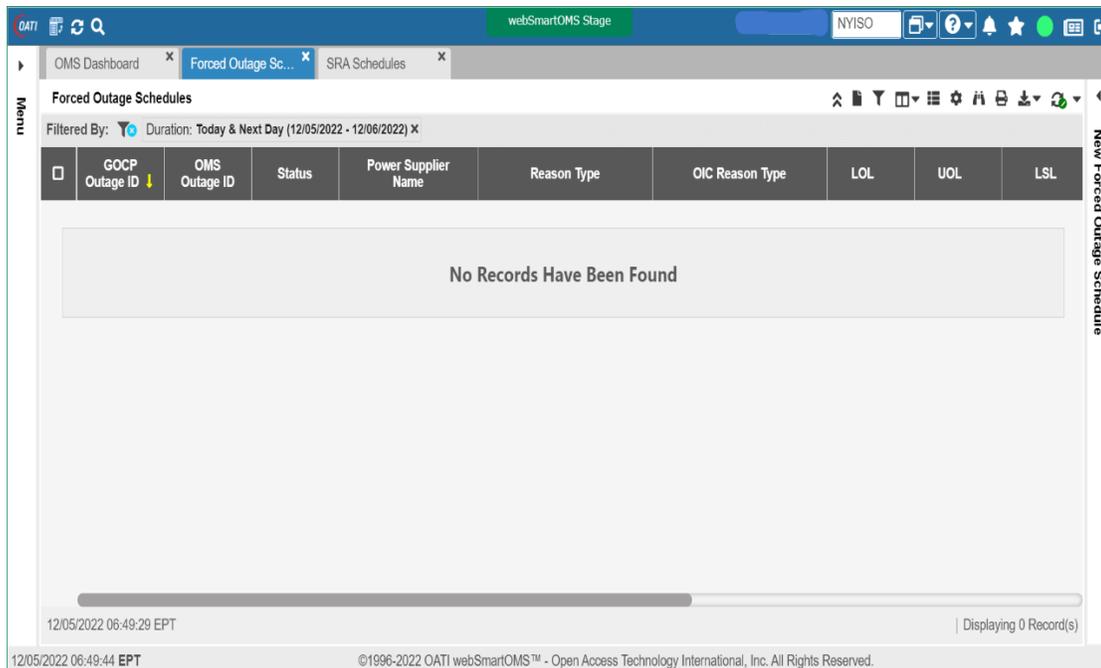


Figure 21: Forced Outage Schedules Display



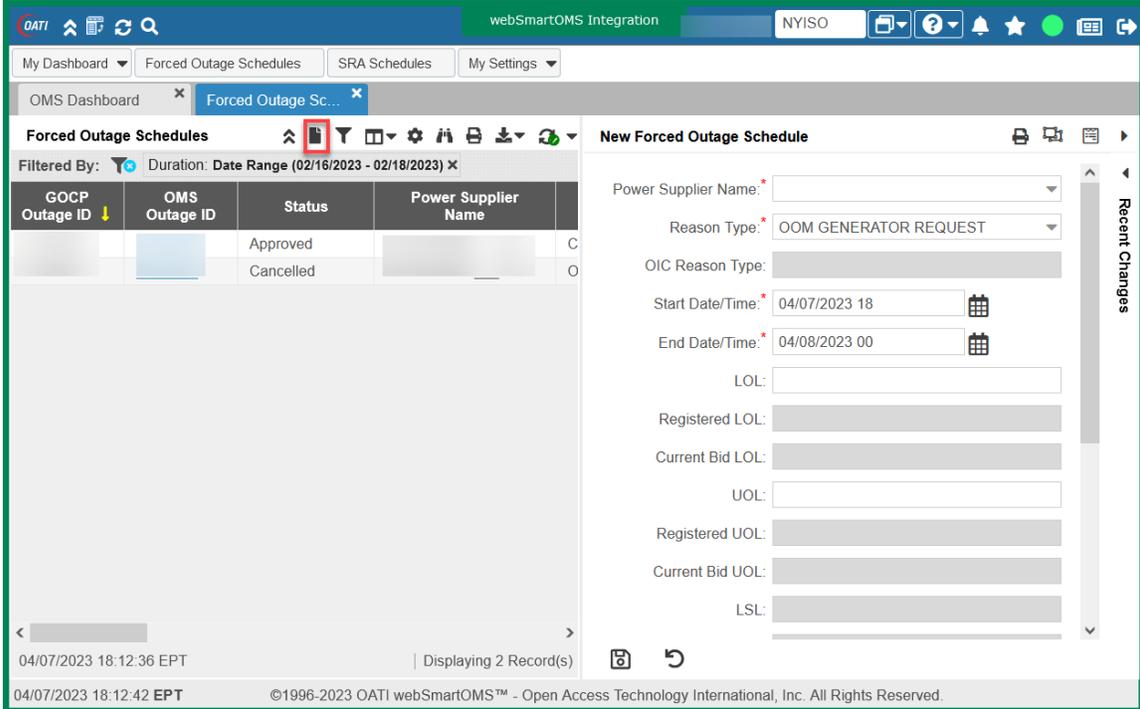
From the Forced Outage Schedules display GOCP TO Scheduler can select the “New Outage” icon on the upper right-hand corner or expand the “New Forced Outage Schedule” panel to bring up the New Forced Outage Schedule form (see Figure 22).

To enter an outage, the GOCP TO Scheduler enters the required data in the “New Forced Outage Schedule” form. The rest of the fields in this form are obtained from the MIS once the Power Supplier ID is entered.

Field Name	Description	Editable (Y/N)
Power Supplier Name	A list of MIS Power Supplier Names for units assigned to that user that are selectable from a drop-down list.	Y
Reason Type	Reason for the outage request; selectable from a drop-down list. Allowed values include: <ul style="list-style-type: none"> • OOM GENERATOR REQUEST • MWH-OOM GENERATOR REQUEST 	Y
OIC Reason Type	Operator Initiated Commitment Type (Only available for specific reason types)	N
Start Date/Time	Start Date/Time of Forced Outage request entered as MM/DD/YYYY 24HH	Y
End Date/Time	End date/Time of Forced Outage request entered as MM/DD/YYYY 24HH	Y
LOL	Lower Operating Limit (For withdrawal eligible units)	Y
Registered LOL	Registered Lower Operating Limit (For withdrawal eligible units)	N
Current Bid LOL	Current bid Lower Operating Limit (For withdrawal eligible units)	N
Current Bid UOL	Current bid Upper Operating Limit	N
Registered UOL	Registered Upper Operating Limit	N
UOL	Upper Operating Limit	Y
LSL	Lower Storage Limit (For withdrawal eligible units)	Y
Registered LSL	Registered Lower Storage Limit (For withdrawal eligible units)	N
Current Bid LSL	Current bid Lower Storage Limit	N
Current Bid USL	Current bid Upper Storage Limit (For withdrawal eligible units)	N

Field Name	Description	Editable (Y/N)
Registered USL	Registered Upper Storage Limit (For withdrawal eligible units)	N
USL	Upper Storage Limit (For withdrawal eligible units)	Y
Reason Log	Open text field to describe the reason for the outage	Y

Figure 22: New Forced Outage Schedule Form



Once data entry is completed, the GOCP TO Scheduler selects the “Save” button at the bottom of the form to submit the schedule for approval by the NYISO. Data validation is performed upon schedule submission and errors are listed at the bottom of the form if validation fails for any of the entered fields.

After the outage is submitted it will be in one of the following states:

- **New**
The outage request has been entered, validated, and submitted to NYISO for approval.
- **Approved**
There are two types of approvals:
 1. Manual - The NYISO has reviewed the outage request and has approved it.

2. Auto-Approved - The DMNC of the associated resources is below a threshold specified by Operations Management.
- **Declined**
The NYISO has reviewed the outage request and has determined that it cannot reliably occur.

6.2. Outage Request Modification

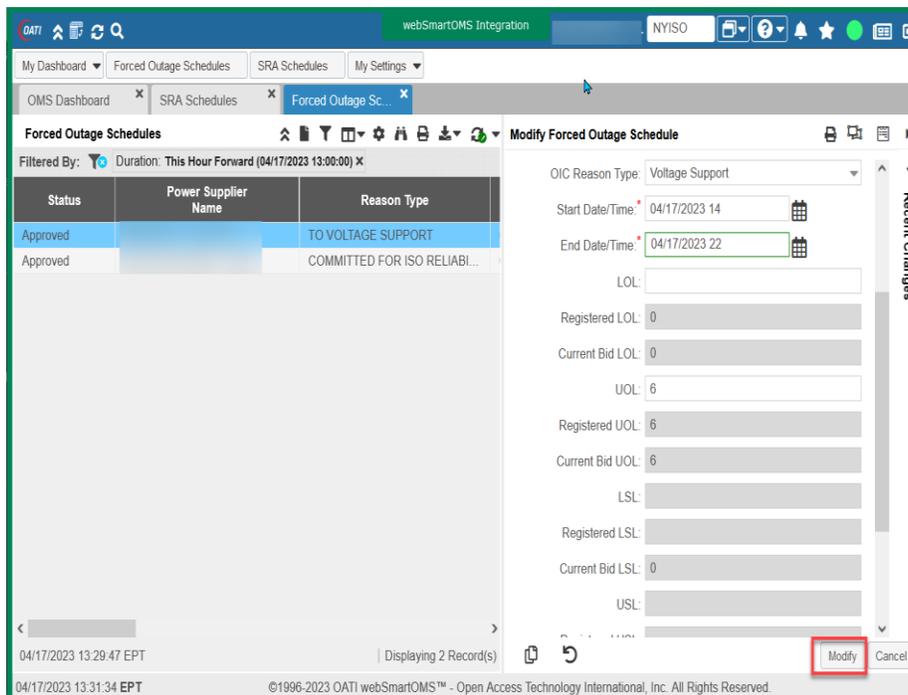
From the GOCP Dashboard (GO) shown in Figure 20 above, TO users can choose the “Forced Outage Schedules” option to bring up the GOCP Schedule Entry page (refer to Figure 21). TO users can then select an existing outage to modify (only outages in the New, Modified and Approved states can be selected for modification). Selection of an outage will copy the outage parameters to the ‘Modify Forced Outage Schedule’ form which will be brought up on the right side of the GOCP Schedule Entry page (see

Figure 23 below). The outage can then be modified with a new entry in one or more of the following fields:

Field Name	Description
Reason Type	Reason for the outage request; selectable from a drop-down list, Selectable values include: <ul style="list-style-type: none"> • OOM FOR TO RELIABILITY • OOM GENERATOR REQUEST • TO VOLTAGE SUPPORT • MWH-OOM FOR TO RELIABILITY • MWH-OOM GENERATOR REQUEST
OIC Reason Type	N/A if Reason Type equal to “OOM GENERATOR REQUEST” and “MWH-OOM GENERATOR REQUEST”. Selectable from a drop-down list if Reason Type is equal to “OOM FOR TO RELIABILITY”, “TO VOLTAGE SUPPORT”, and “MWH-OOM FOR TO RELIABILITY”. Selectable values include: <ul style="list-style-type: none"> • Constraint Management • System-Wide Capacity Need • Voltage Support

Field Name	Description
Start Date/Time	Start date of outage request entered as MM/DD/YYYY 24HH or use calendar application to choose the desired date.
End Date/Time	End date of outage request entered as MM/DD/YYYY 24HH or use calendar application to choose the desired date.
LOL	Lower Operating Limit; should be greater than or equal to Registered LOL (For withdrawal eligible units)
UOL	Upper Operating Limit; should be less than or equal to Registered UOL
LSL	Lower Storage Limit: only applicable if Resource is an ESR. Should be greater than or equal to Registered LSL.
USL	Upper Storage Limit: only applicable if Resource is an ESR. Should be less than or equal to Registered USL.
Reason Log	Open text field to describe the reason for the outage

Figure 23: Modify Forced Outage Schedule Form



The screenshot shows the 'Modify Forced Outage Schedule' form in the webSmartOMS system. The interface includes a navigation bar with 'My Dashboard', 'Forced Outage Schedules', 'SRA Schedules', and 'My Settings'. The main content area is divided into two sections: a table of 'Forced Outage Schedules' and a 'Modify Forced Outage Schedule' form.

The 'Forced Outage Schedules' table is filtered by 'Duration: This Hour Forward (04/17/2023 13:00:00)'. It contains two records:

Status	Power Supplier Name	Reason Type
Approved		TO VOLTAGE SUPPORT
Approved		COMMITTED FOR ISO RELIAB...

The 'Modify Forced Outage Schedule' form includes the following fields:

- OIC Reason Type: Voltage Support
- Start Date/Time: 04/17/2023 14
- End Date/Time: 04/17/2023 22
- LOL: [Input field]
- Registered LOL: 0
- Current Bid LOL: 0
- UOL: 6
- Registered UOL: 6
- Current Bid UOL: 6
- LSL: [Input field]
- Registered LSL: [Input field]
- Current Bid LSL: 0
- USL: [Input field]

At the bottom right of the form, there are 'Modify' and 'Cancel' buttons. The 'Modify' button is highlighted with a red box. The footer of the page includes the date '04/17/2023 13:31:34 EPT' and the copyright notice '©1996-2023 OATI webSmartOMS™ - Open Access Technology International, Inc. All Rights Reserved.'

Once data entry is completed, the TO Scheduler selects the “Modify” button at the bottom of the form to submit the modified schedule for approval to the NYISO. Data validation is performed upon schedule submission and errors are listed at the bottom of the form if validation fails for any of the entered fields.

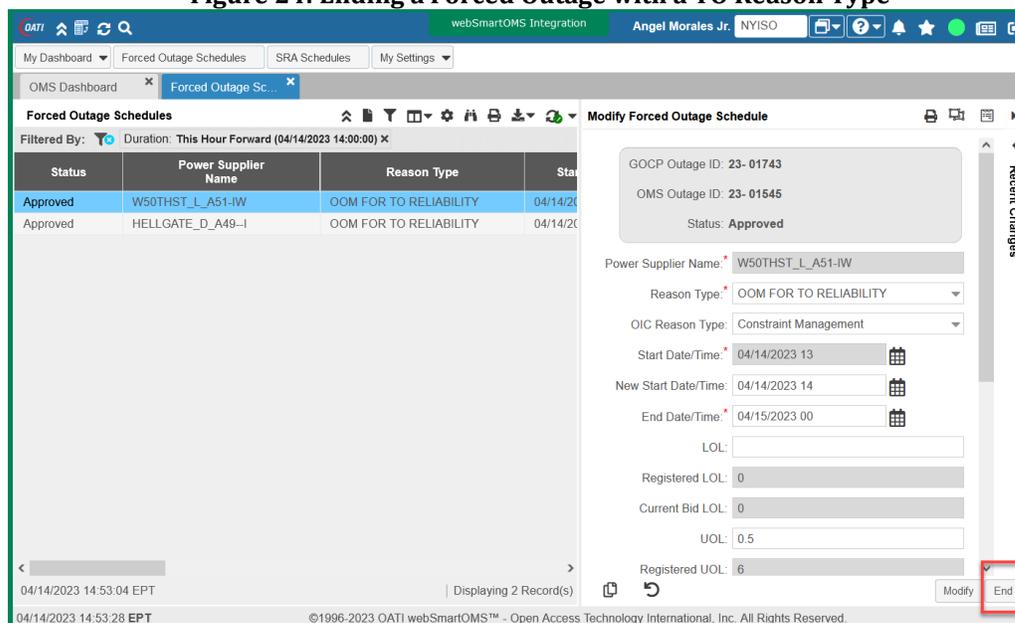
After the outage is submitted it will be in one of the following states:

- **New**
The outage request has been entered, validated, and submitted to NYISO for approval.
- **Approved**
There are two types of approvals:
 1. Manual - The NYISO has reviewed the outage request and has approved it.
 2. Auto-Approved - The DMNC of the associated resources is below a threshold specified by the NYISO.
- **Declined**
The NYISO has reviewed the outage request and has determined that it cannot reliably occur.

6.3. Ending a Forced Outage with a TO Reason Type

Users can end a current schedule from the Modify Forced Outage Schedule (see Figure 12). The schedule can be copied into this form by selecting it in the main display area. Once in the Modify Forced Outage Schedule form, users can select the “End” button in the lower right-hand corner of the form to end the schedule. Only an active outage in the Approved state can be ended.

Figure 24: Ending a Forced Outage with a TO Reason Type

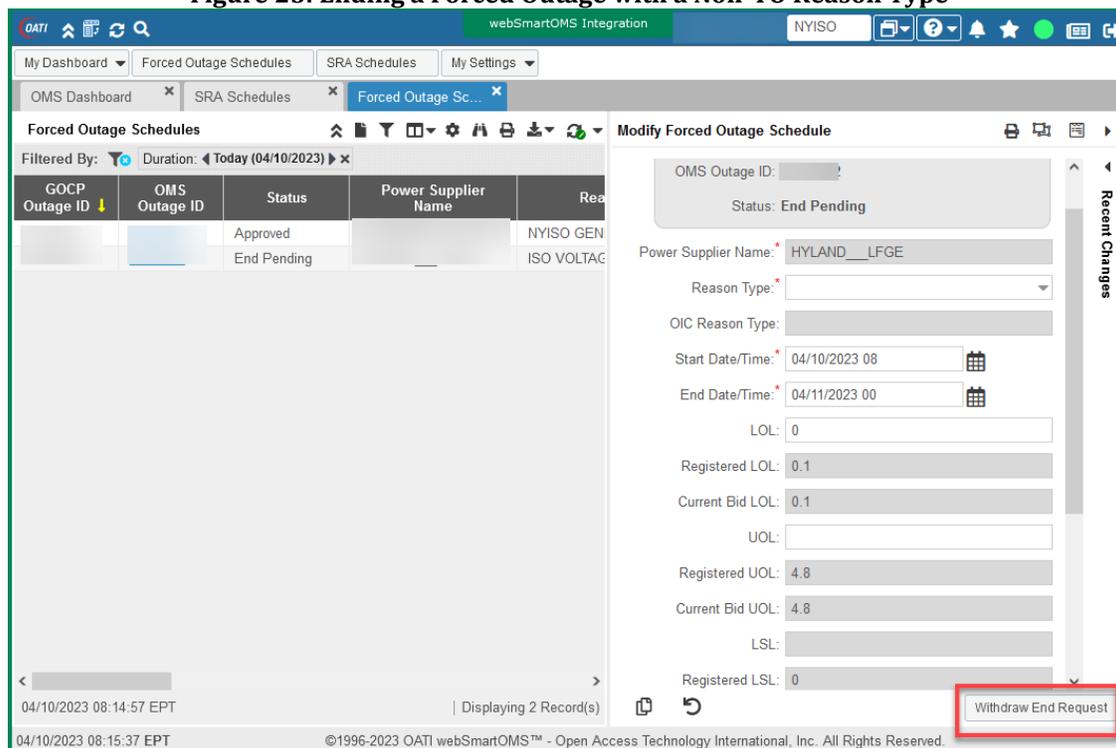


6.4. Ending a Forced Outage with a Non-TO Reason Type

Users can request to end an active outage from the Modify Forced Outage Schedule (see Figure 25). The schedule can be copied into this form by selecting it in the main display area. Once in the Modify Forced Outage Schedule form, users can select the “End” button in the lower right-hand corner of the form to end the schedule. This puts the status of the forced outage to “End Pending” waiting for approval.

An Aggregator has the option to withdraw the end request prior to the End Date/Time of the scheduled outage, provided the end request has not been approved by a NYISO Operator (See Figure 25).

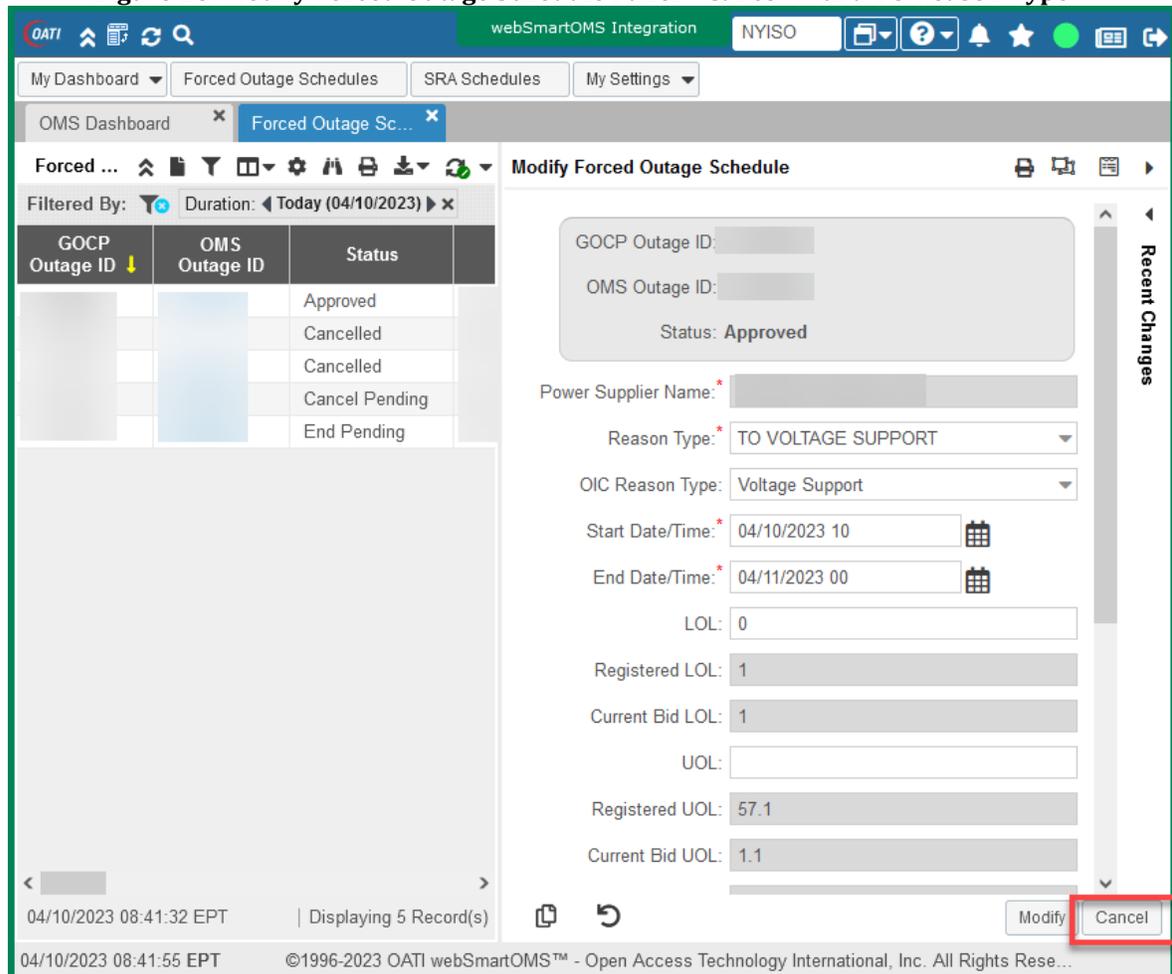
Figure 25: Ending a Forced Outage with a Non-TO Reason Type



6.5. Cancelling a Forced Outage with a TO Reason Type

Users can cancel a forced outage schedule from the Modify Forced Outage Schedule Form (see Figure 12). The schedule can be copied into this form by selecting it in the main display area. Once in the Modify Forced Outage Schedule form, users can select the “Cancel” button in the lower right-hand corner of the form to cancel the schedule.

Figure 26: Modify Forced Outage Schedule Panel – Cancel with a TO Reason Type



6.6. Cancelling a Forced Outage with a Non-TO Reason Type

Users can cancel a current schedule from the Modify Forced Outage Schedule (see Figure 12). The schedule can be copied into this form by selecting it in the main display area. Once in the Modify Forced Outage Schedule form, users can select the “Cancel” button in the lower right-hand corner of the form to cancel the schedule. This will change the status of the outage to “Cancel Pending”.

A TO has the option to withdraw the cancellation request prior to the Start Date/Time of the scheduled outage, provided the cancellation has not been approved by a NYISO Operator (see Figure 27).

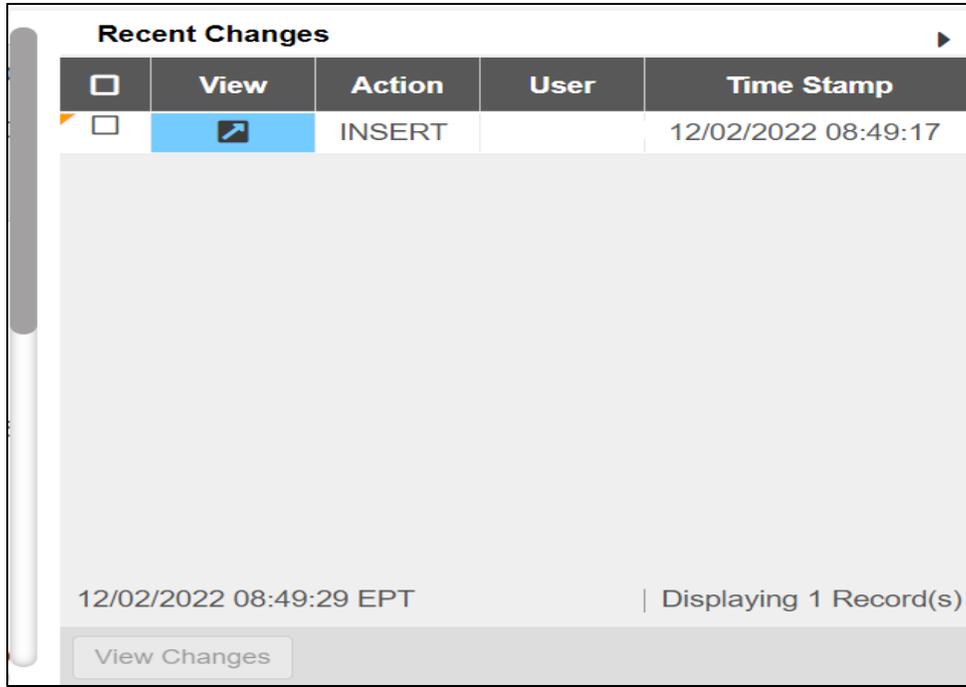
Figure 27: Modify Forced Outage Schedule Panel – Cancel with a Non-TO Reason Type

The screenshot displays the 'Modify Forced Outage Schedule' interface. On the left, a table lists outage schedules with columns for GOCF Outage ID, OMS Outage ID, Status, Power Supplier Name, and Reason. The table shows two records: one with 'Cancel Pending' status and another with 'End Pending' status. The right side of the interface is a form for editing a specific outage. The form includes fields for OMS Outage ID, Status (set to 'Cancel Pending'), Power Supplier Name, Reason Type (a dropdown menu), OIC Reason Type, Start Date/Time (04/10/2023 09), End Date/Time (04/11/2023 00), LOL (0), Registered LOL (0), Current Bid LOL (0), UOL, Registered UOL (0.6), Current Bid UOL (0.6), LSL, and Registered LSL. A 'Recent Changes' panel is visible on the right side of the form. At the bottom right of the form, a button labeled 'Withdraw Cancel Request' is highlighted with a red rectangular box.

6.7. View Outage Request Change History

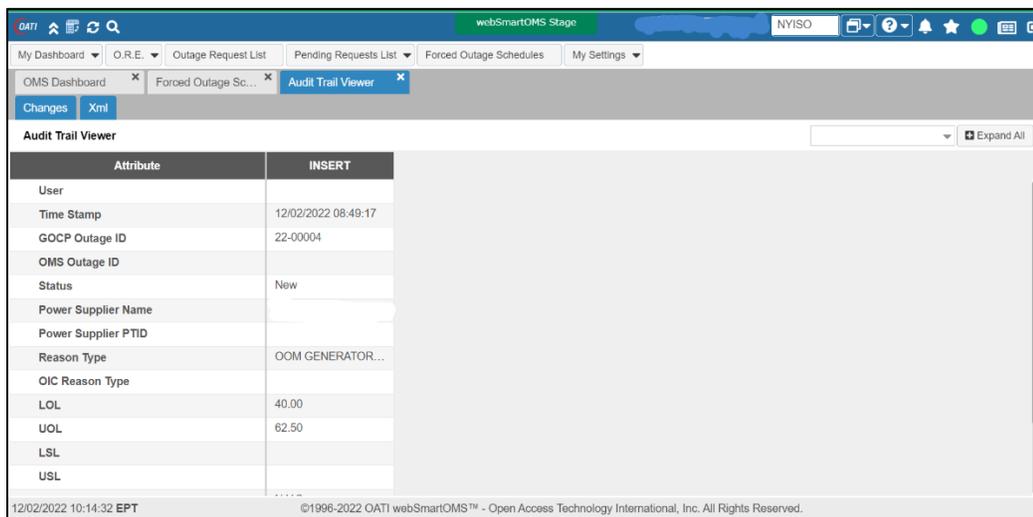
TO users can see changes that have been made to a schedule by expanding the Recent Changes panel from the Modify Forced Outage Schedule Form (see Figure 28).

Figure 28: Recent Changes Panel



Users can then select the changes they would like to see and then select the “View Changes” button at the bottom of the panel to bring up the Audit Viewer Form (see Figure 29) where all selected changes can be viewed in detail.

Figure 29: Audit Trail View



7. Request Status Conditions

- **New**

Outage information has been saved and stored in the Grid Operations Coordination Portal (GOCP). The Outage has been submitted for Approval.

- **Approved**

There are two types of approvals:

1. Manual - The NYISO has reviewed the outage request and has approved it.
2. Auto-Approved - The DMNC of the associated resources is below a threshold specified by Operations Management.

- **Modified**

A request that was previously submitted has been edited.

- **Denied**

The NYISO evaluators have reviewed the request and have determined that it cannot reliably occur as scheduled. A denial is a non-reversible transaction.

- **Cancelled**

The user has decided to withdraw the request after the outage was stored in the Grid Operations Coordination Portal (GOCP). A cancel is a non-reversible transaction.

- **Cancel Pending**

The user has submitted a request to cancel an outage with a Reason Type other than "OOM GENERATOR REQUEST" and "MWH-OOM GENERATOR REQUEST." A cancel outage request is sent to the NYISO for approval.

- **End Pending**

The user has submitted a request to end an outage with a Reason Type other than "OOM GENERATOR REQUEST" and "MWH-OOM GENERATOR REQUEST." An end outage request is sent to the NYISO for approval.

8. Forced Outage Report

Operators can download or print a Forced Outage Schedule report by going to the Forced Outage Schedules display and selecting the “Download” or “Print” icon on the right-hand side of the bar at the top of the screen (See Figure 21). This action generates a report as shown in **Error! Reference source not found.** The report will list all Forced Outage Schedules currently in the GOCP.

Before printing, Operators can filter outages shown in the Forced Outage Schedules display by selecting the filter icon and specifying a filter criterion. This will allow the Operators to print a filtered list of outages.

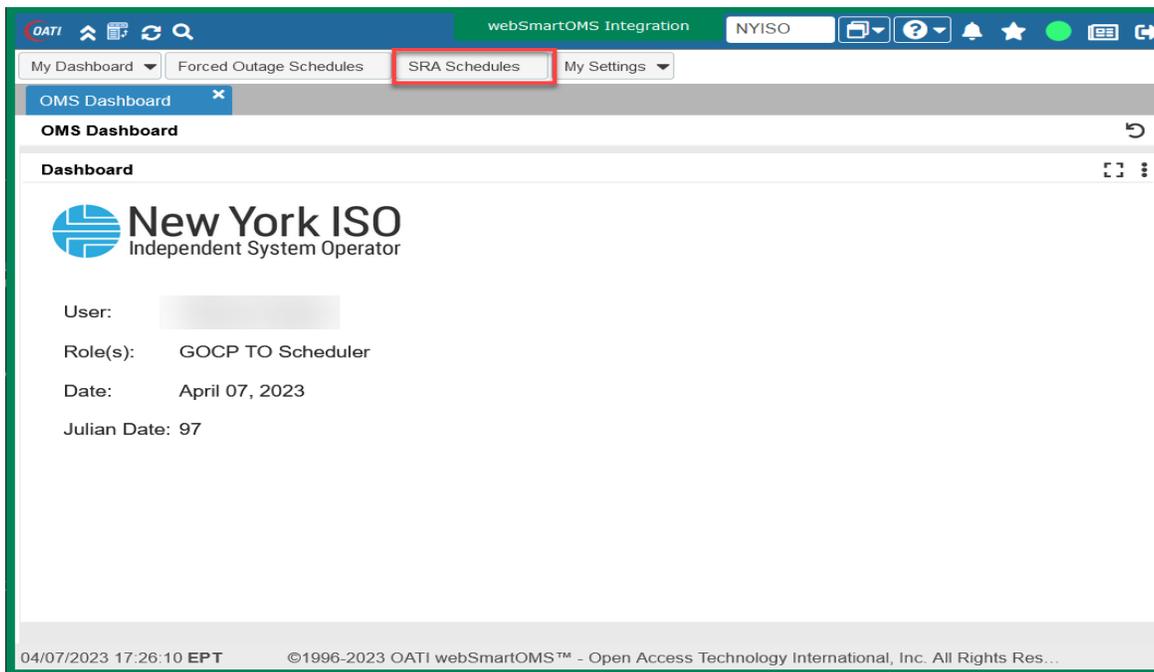
Figure 30: Forced Outage Schedule Report

Forced Outage Schedules													
GOCP Outage ID	OMS Outage ID	Status	Power Supplier Name	Reason Type	OTC Reason Type	LOL	UOL	LSL	USL	Zone	Start Date/Time	End Date/Time	Reason Log
22-00004		New		OOM GENERATOR REQUEST							12/02/2022 10	12/03/2022 12	Test

9. New SRA Request

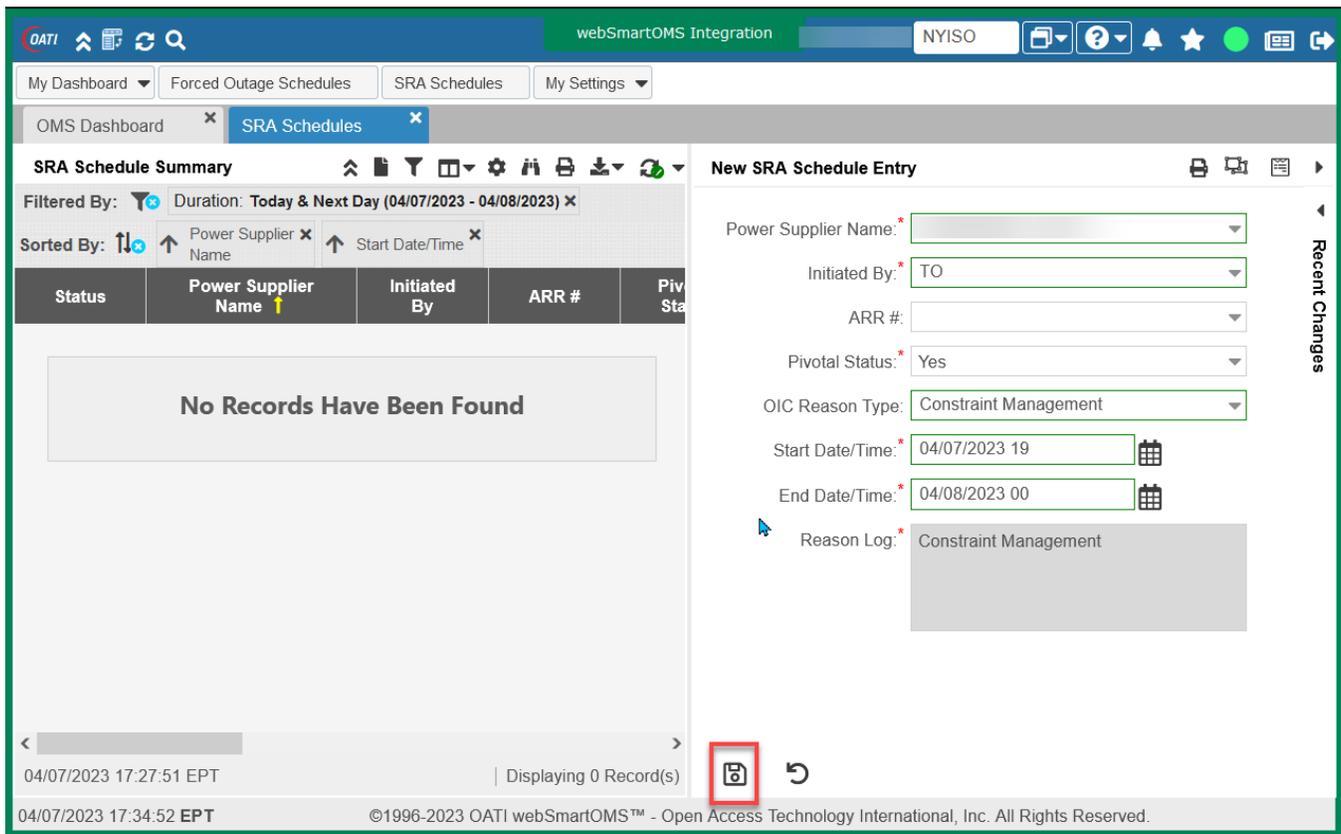
After login (described in Section 2.3), TO users will land in the GOCP Dashboard shown in Figure 31 to below.

Figure 31: GOCP Dashboard (TO)



From the SRA Schedules display GOCP TO Schedulers can select the “New” icon on the top bar of the display or expand the “New SRA Schedule Entry” panel to bring up the New SRA Schedule Entry form shown in (Figure 32) below.

Figure 32: New SRA Schedule Entry Form



To enter an SRA schedule, the GOCP TO Scheduler enters the following data on the “New SRA Schedule Entry” form:

Field Name	Description
Power Supplier ID	Name of resource for which the SRA request is being entered, selectable from a drop-down list. The list will show only the resources associated with the TO user.
Initiated by	Selectable from a drop-down list. Allowed values are “TO” and “DSO”.
ARR#	Reliability constraint number; if applicable selectable from a drop-down list.
Pivotal Status	Flag indicating whether the specified resource is the only one that can meet the reliability need. Default is “Y”.
OIC Reason Type	Reason for the SRA request; selectable from a drop-down list. Allowed values are “Constraint Management”, “System-Wide Capacity Need” and “Voltage Support”.

Field Name	Description
Start Date/Time	Start date/Time of the SRA request entered as MM/DD/YYYY 24HH
End Date/Time	End date/Time of the SRA request entered as MM/DD/YYYY 24HH
Reason Log	The field will be automatically populated if an OIC Reason type is entered from the drop-down list.

Once data entry is completed, the GOCP TO Scheduler selects the “Save” button at the bottom of the form to submit the SRA request for approval by the NYISO. Data validation is performed upon data submission and errors are listed at the bottom of the form if validation fails for any of the entered fields.

After the SRA request is submitted it will be in the following state:

- **New**
The SRA request has been entered and submitted to NYISO for approval.

9.1. SRA Request Modification

From the GOCP Dashboard shown Figure 31, users can choose the “SRA Schedules” option to bring up the SRA Schedules display (refer to [Error! Reference source not found.](#)). Users can then select an existing SRA schedule to modify it (only schedules in the **New** and **Modified** states can be selected for modification). Selection of a schedule will copy the SRA Schedule parameters to the “Modify SRA Schedule Entry” form which will be brought up on the right side of the SRA Schedules display (see Figure 33 below). The outage can then be modified with a new entry in one or more of the following fields:

Field Name	Description
Power Supplier ID	Name of resource for which the SRA request is being entered, selectable from a drop-down list. The list will show only the resources associated with the TO user.
Initiated by	Selectable from a drop-down list. Allowed values are “TO” and “DSO”. The TO user will always select “TO” except when it is entering the SRA request on behalf of a DSO.
ARR#	Reliability constraint number; if applicable selectable from a drop-down list.

Field Name	Description
Pivotal Status	Flag indicating whether the specified resource is the only one that can meet the reliability need. Default is "Y".
OIC Reason Type	Reason for the SRA request; selectable from a drop-down list. Allowed values are "Constraint Management", "System-Wide Capacity Need" and "Voltage Support".
Start Date/Time	Start date/Time of the SRA request entered as MM/DD/YYYY 24HH
End Date/Time	End date/Time of the SRA request entered as MM/DD/YYYY 24HH
Reason Log	The field will be automatically populated if an OIC Reason type is entered from the drop-down list.

Figure 33: Modify SRA Schedule Form

The screenshot displays the 'Modify SRA Schedule Entry' form within the webSmartOMS application. The interface includes a navigation bar with 'OATI', 'webSmartOMS Integration', and 'NYISO' logos. Below the navigation bar, there are tabs for 'My Dashboard', 'Forced Outage Schedules', 'SRA Schedules', and 'My Settings'. The main content area is divided into two sections: 'SRA Schedule Summary' on the left and 'Modify SRA Schedule Entry' on the right. The 'SRA Schedule Summary' section shows a table with columns for Status, Power Supplier Name, Initiated By, ARR #, and Pivotal Status. The 'Modify SRA Schedule Entry' section contains several form fields: SRA Request ID (23-01615), Status (New), Power Supplier Name, Initiated By (TO), ARR #, Pivotal Status (Yes), OIC Reason Type (Constraint Management), Start Date/Time (04/07/2023 19), End Date/Time (04/08/2023 00), and Reason Log (Constraint Management). A 'Modify' button is highlighted with a red box, and a 'Cancel' button is also visible. The bottom of the screen shows the date and time (04/07/2023 17:35:32 EPT) and a copyright notice for OATI webSmartOMS.

Once data entry is completed, the user selects the “Modify” button at the bottom of the form to submit the modified SRA request for approval by the NYISO. Data validation is performed upon data submission and errors are listed at the bottom of the form if validation fails for any of the entered fields.

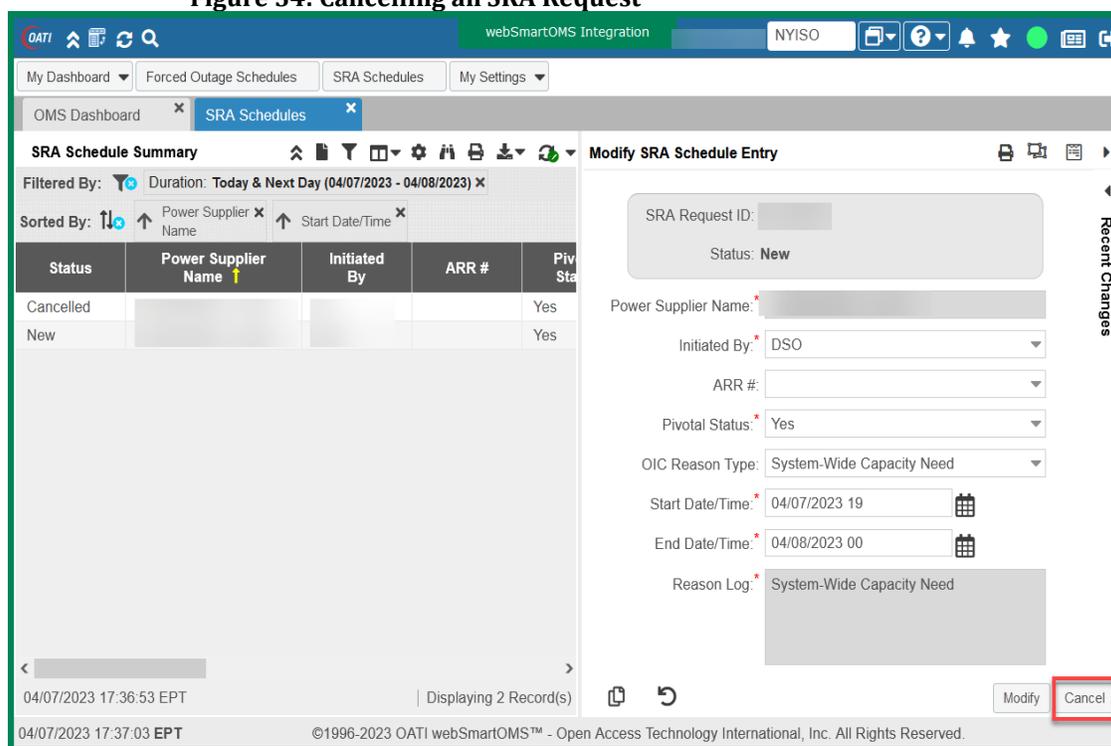
After the SRA request is submitted it will be in one of the following states:

- **Modified**
The SRA request has been modified, validated, and submitted to the NYISO for approval.
- **Approved**
The NYISO has reviewed the SRA request and has approved it. Once approved, a schedule can’t be modified. This is a final state.

9.2. Cancel SRA Request

The TO has the option to cancel the SRA request prior to NYISO approval.

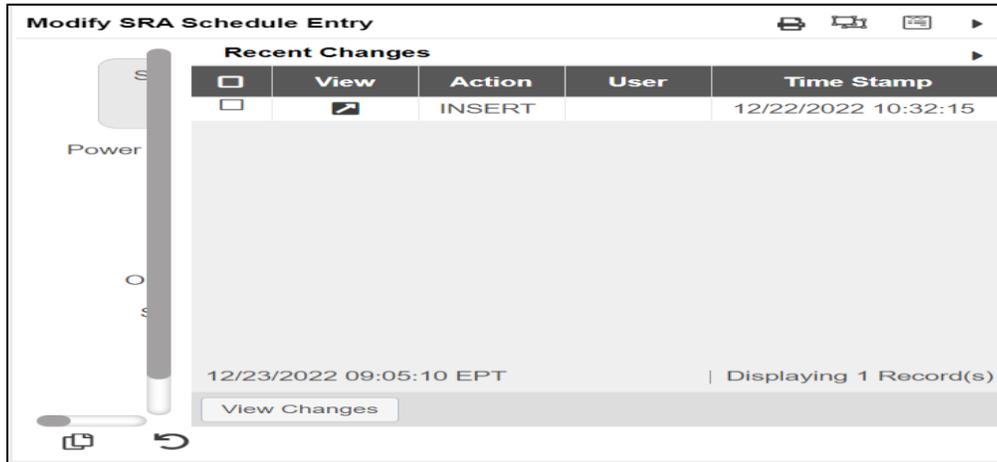
Figure 34: Cancelling an SRA Request



9.3. View Changes

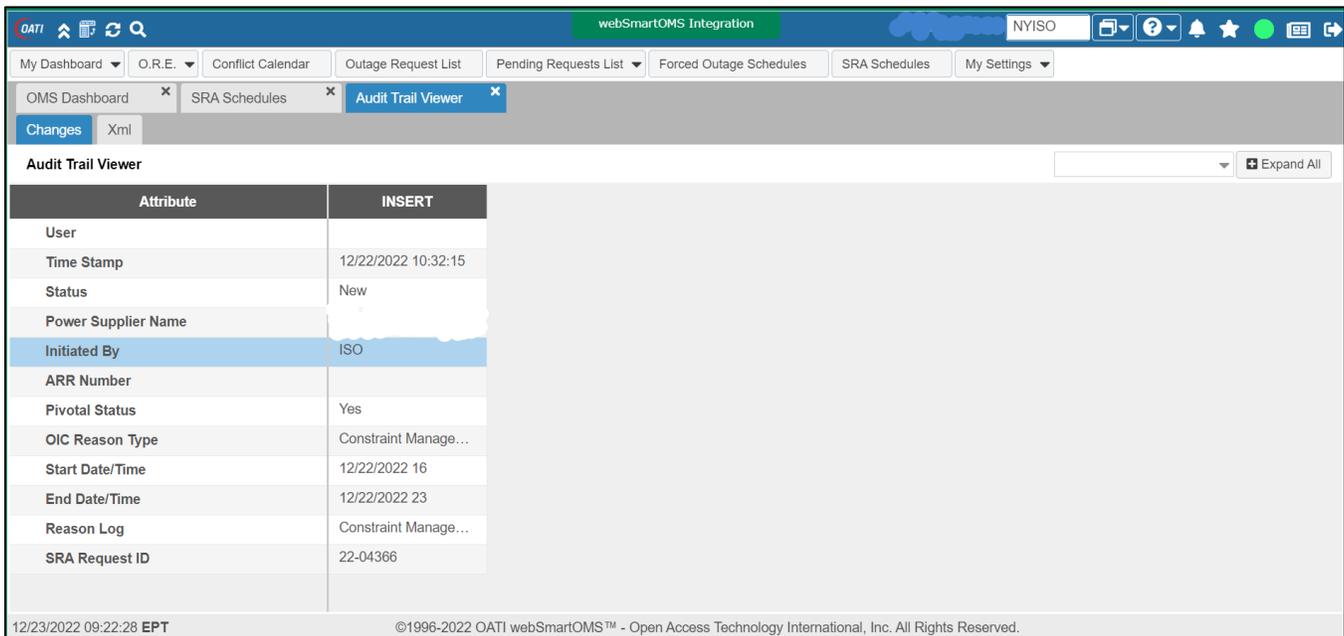
Users can see changes that have been made to an SRA schedule by expanding the Recent Changes panel from the Modify SRA Schedule Form (see Figure 35).

Figure 35: SRA Schedule Recent Changes Form



Users can select the changes they would like to see and then click on the “View Changes” button at the bottom of the panel to bring up the Audit Trail Viewer Form (see Figure 36) where all selected changes can be viewed in detail.

Figure 36: SRA Schedules Audit Trail Viewer

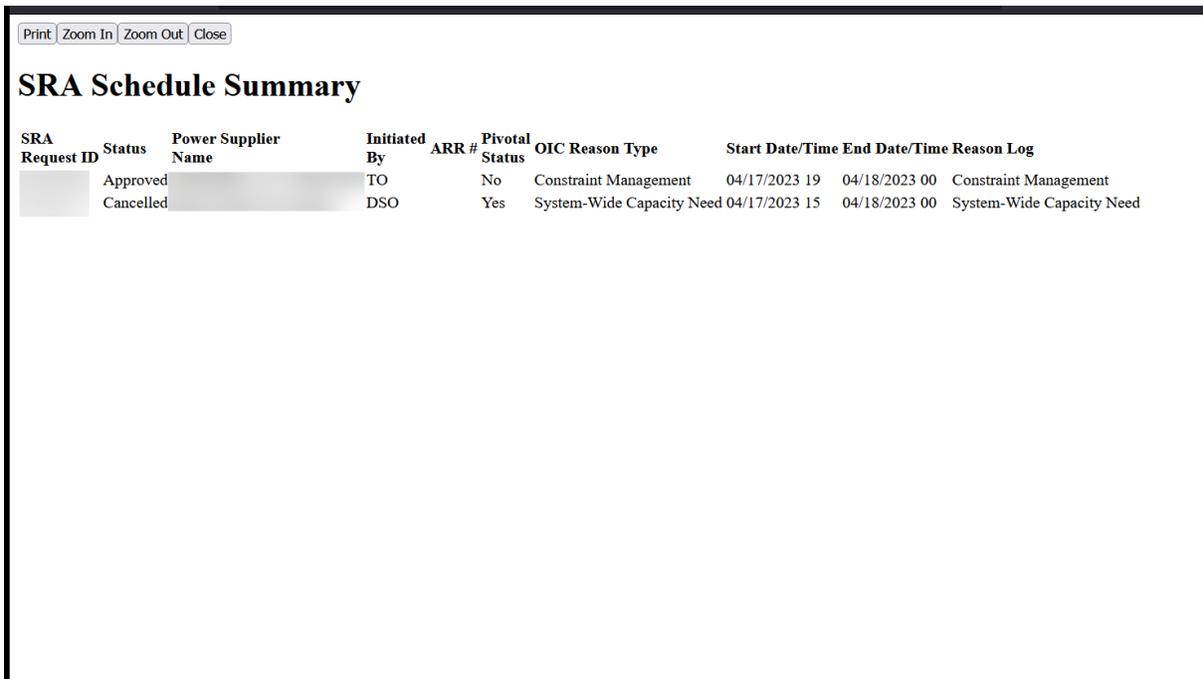


10. SRA Schedule Report

Users can generate an SRA Schedule report by going to the Forced Outage Schedules display (see Figure 21) and selecting the “Print” icon on the right-hand side of the bar at the top of the screen. This action generates a report as shown in Figure 30 below. The report will list all outages associated with the user’s organization.

Before printing, users can filter outages shown in the Forced Outage Schedules display (see Figure 21) by selecting the filter icon and specifying a filter criterion. This will allow the user to print a filtered list of outages.

Figure 37: SRA Schedule Report



SRA Request ID	Status	Power Supplier Name	Initiated By	ARR #	Pivotal Status	OIC Reason Type	Start Date/Time	End Date/Time	Reason Log
	Approved		TO		No	Constraint Management	04/17/2023 19	04/18/2023 00	Constraint Management
	Cancelled		DSO		Yes	System-Wide Capacity Need	04/17/2023 15	04/18/2023 00	System-Wide Capacity Need

11. Use of the GOCP by Distribution System Operators

DSOs can access the GOCP to view and print lists of outage requests and SRA requests currently in the GOCP. DSOs have read-only access to the GOCP.

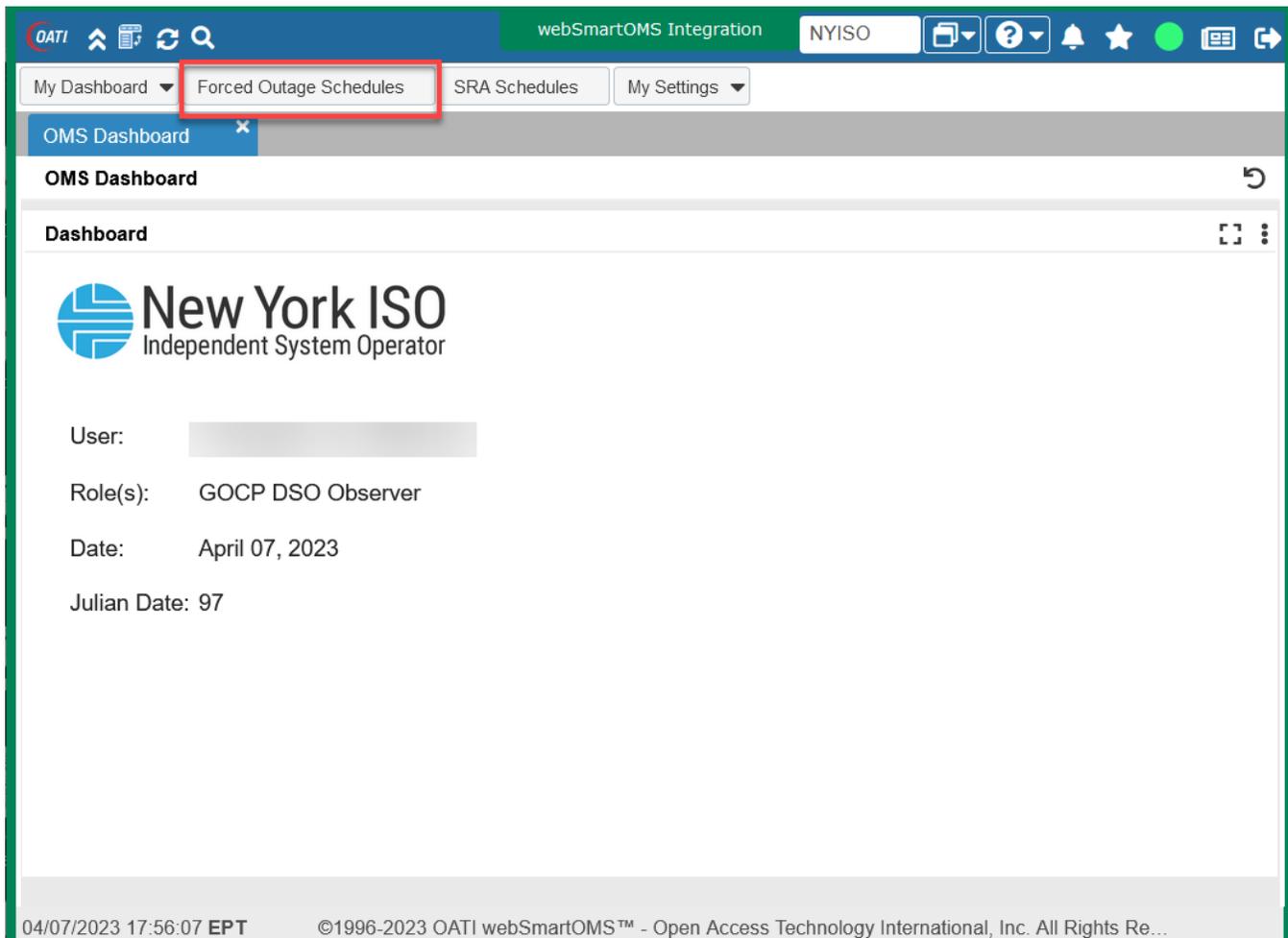
DSO users will need to have the following role assigned to them:

- **“GOCP DSO Observer”**

DSO users with the **“GOCP DSO Observer”** role will only have access to view existing outages and SRA requests. DSO users can request entry of outage schedules and SRA requests for distribution system reliability but will need to do it through the applicable TO. DSO users will be able to view outages and SRA requests associated with their organization.

DSO users can access the GOCP as described in Section 2.3. DSO users will land in the GOCP Dashboard shown in Figure 38 below.

Figure 38: GOCP Main Menu (DSO)



11.1. Viewing Outage Requests

DSO users can generate a list of the existing forced outage schedules (see Figure 39) by selecting the “Forced Outage Schedules” tab in the GOCP Main Menu (DSO) display.

Figure 39: Forced Outage Schedules Display

The screenshot displays the 'Forced Outage Schedules' interface. At the top, there is a navigation bar with 'My Dashboard', 'Forced Outage Schedules', 'SRA Schedules', and 'My Settings'. Below this, a breadcrumb trail shows 'OMS Dashboard' and 'Forced Outage Sc...'. The main area is divided into two sections:

- Forced Outage Schedules:** A table with columns 'GOCP Outage ID', 'OMS Outage ID', 'Status', and 'Power Supplier Name'. The table is filtered by 'Duration: Today & Next Day (04/07/2023 - 04/08/2023)'. It displays 9 records with various statuses like 'Approved' and 'Cancelled'.
- New Forced Outage Schedule:** A form with fields for 'Power Supplier Name', 'Reason Type', 'OIC Reason Type', 'Start Date/Time' (04/07/2023 17), 'End Date/Time' (04/08/2023 00), 'LOL', 'Registered LOL', 'Current Bid LOL', 'UOL', 'Registered UOL', 'Current Bid UOL', and 'LSL'.

At the bottom, there is a timestamp '04/07/2023 17:59:57 EPT' and a footer with copyright information: '©1996-2023 OATI webSmartOMS™ - Open Access Technology International, Inc. All Rights Reserved.'

On this the display, the DSO user can generate an outage schedule report by selecting the “Print” icon on the right-hand side of the bar at the top of the screen. This action generates a report as shown in Figure 40 below. The report will list all outages associated with the DSO user’s organization.

Before printing, DSO users can filter outages shown in the Forced Outage Schedules display (see Figure 39) by selecting the filter icon and specifying a filter criterion. This will allow the user to print a filtered list of outages.

Figure 40: Forced Outage Schedule Report

Print Zoom In Zoom Out Close

Forced Outage Schedules

GOCP Outage ID	OMS Outage ID	Status	Power Supplier Name	Reason Type	OIC Reason Type	LOL UOL LSL USL Zone	Start Date/Time	End Date/Time	Reason Log
22-00004		New		OOM GENERATOR REQUEST			12/02/2022 10	12/03/2022 12	Test

11.2. Viewing SRA Schedules

DSO users can generate a list of the existing SRA schedules (see Figure 41) by selecting the “SRA Schedules” tab in the GOCP Main Menu (DSO) display.

Figure 41: SRA Schedules Display

The screenshot displays the 'SRA Schedules' interface. At the top, there is a navigation bar with 'My Dashboard', 'Forced Outage Schedules', 'SRA Schedules', and 'My Settings'. Below this, the 'SRA Schedules' tab is active. The main content area is divided into two sections:

- SRA Schedule Summary:** This section includes a filter for 'Duration: Today & Next Day (04/07/2023 - 04/08/2023)' and a 'Sorted By' dropdown. Below the filter is a table with the following columns: Status, Power Supplier Name, Initiated By, and ARR #. Two records are visible: one initiated by 'ISO' and another by 'TO'. The bottom of this section shows a timestamp '04/07/2023 18:04:51 EPT' and 'Displaying 2 Record(s)'.
- New SRA Schedule Entry:** This section contains a form for creating a new schedule. Fields include: Power Supplier Name, Initiated By, ARR #, Pivotal Status (set to 'Yes'), OIC Reason Type, Start Date/Time, End Date/Time, and Reason Log. A 'Recent Changes' sidebar is visible on the right side of this panel.

The footer of the interface shows the timestamp '04/07/2023 18:05:10 EPT' and the copyright notice: '©1996-2023 OATI webSmartOMS™ - Open Access Technology International, Inc. All Rights Reserved.'

On this the display, the DSO user can generate an SRA schedule report by selecting the “Print” icon on the right-hand side of the bar at the top of the screen. This action generates a report as shown in Figure 42 below. The report will list all SRA schedules associated with the DSO user’s organization.

Before printing, DSO users can filter outages shown in the SRA Schedules display by selecting the filter icon and specifying a filter criterion. This will allow the user to print a filtered list of outages.

Figure 42: SRA Schedule Report

Status	Power Supplier Name	Initiated By	ARR #	Pivotal Status	OIC Reason Type	Start Date/Time	End Date/Time	Reason Log	SRA Request ID
Cancelled		ISO		Yes		12/22/2022 10	12/23/2022 23	test	22-04369
Approved		ISO		Yes	Constraint Management	12/22/2022 16	12/22/2022 23	Constraint Management	22-04366
Approved		TO		Yes	Constraint Management	12/22/2022 00	12/23/2022 00	Constraint Management	22-04352