

Part 3 – Event Notification with DRIS Demand Response Information System (DRIS) Training for June 2012 Deployment

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New York Independent System Operator

Friday, June 8, 2012 1:30 PM - 2:30 PM

Thursday, June 14, 2012 10:00 AM - 11:00 AM

Rensselaer, NY



Training Topics

- Part 1: Introduction to DRIS
 - DRIS User Requirements
 - User Privileges
 - Access to DRIS
- Part 2: Event Notification
 Process
 - Types of Event Notifications

- Part 4: Communication Test
- Part 5: Notification Contacts
 - Manage Contacts
- Part 6: Deployment
 - Additional Training Sessions
 - Deployment Activities
- Part 3: Event Notification with DRIS
 - Receive Event Notifications
 - Respond to Event Notifications
 - View Event Notifications



MP Steps to Event Notification

- Receive Event Notification communication by email and phone
- 2. Log into DRIS
- 3. Respond with expected curtailment values
- 4. Be alert to receiving additional communications
 - Extension of existing Event
 - Early Termination of existing Event
 - Notification for additional zones being called
- 5. View Event Notifications and responses



Receive Event Notifications



SCR Event Notifications

- Market Participants will receive email and phone communications for SCR Event Notifications
 - Provided that the MP has an SCR resource enrolled in at least one zone or subload pocket included on the SCR Event Notification with auction sales greater than zero in the month of the event



EDRP Event Notifications

- Market Participants will receive email and phone communications for EDRP Event Notifications
 - Provided that the MP has an EDRP resource enrolled in at least one zone or subload pocket on the EDRP Event Notification with a Declared Value greater than zero in the month of the event
 - Provided that the MP has an SCR resource enrolled in at least one zone or subload pocket on the EDRP Event Notification but the SCR resource has not sold capacity for the month of the event



SCR Test Event Notifications

- Market Participants will receive email and phone communications for SCR Performance Tests
 - First Performance Test: For any SCR resource that is Enrolled at any time in the Capability Period on or before the date that is four business days prior to the date of the first test in the Capability Period (excluding the date of the test)
 - <u>Second Performance Test:</u> For any SCR resource that has an Enrolled status in the remainder of the Capability Period and was not eligible for the first performance test



Requirements to Receive Event Notification Communications

- Contacts in DRIS must be given the "Event Responder" contact assignment
 - At least one Event Responder must have the DRIS Web UI
 MP User privilege to respond with expected curtailment values to an Event Notification
- All MP organizations should maintain an "Event Responder" contact for both the SCR and EDRP programs regardless of whether the MP has enrolled resources in both programs
 - Resources in the SCR program with no auction sales during the month of an Event will be notified to perform as an EDRP resource



Event Notification Communication

- Email and phone notification will contain:
 - Notification Type
 - NYISO, TDRP, Performance Test 1, Performance Test 2
 - Program
 - Message Type
 - Day-Ahead Advisory, In-Day Advisory, 2-Hour Activation, Immediate Activation, Extension, Early Termination, Communication Test
 - Zones
 - Start Time of Event
 - End Time of Event
 - Date of Tests (for Performance Test notifications)



Event Notification Communication

- The email will not contain a link to DRIS
 - The NYISO recommends each DRIS Web UI MP User create a bookmark to the DRIS site within browser Favorites or on the Desktop
 - Digital Certificates may be requested by MPs for more than one computer including for Windows-based work, laptop, and home computers
 - Digital Certificates may also be exported from one computer to another
 - Described in section 4.4.1 of the MPUG, "2. Export for Use on Another Computer"
 - http://www.nyiso.com/public/webdocs/documents/guides/mpug



Example Email Message

- Email from: edrp-scr@nyiso.com
- Email Subject Line:
 - Activation(2 Hour Notice) Notification for SCR Resources in Zones G,
 I, J, K starting on 05/24/2012 at 14:00 and ending at 18:00
- Email Content.

Special Case Resources are needed today starting at 14:00 and ending at 18:00 Special Case Resources located in zones G, I, J, K are subject to this notice. Each Responsible Interface Party (RIP) must respond within one hour by logging into the NYISO Demand Response Information System (DRIS) and entering the load reduction levels (KWs) expected to be achieved on the system in each zone. This data is used for reliability purposes.

Participation in this event is mandatory for each Special Case Resource sold during 05/2012 and load reduction achieved by each Special Case Resource during this event is expected to be at the value of the KWs sold. Special Case Resources that fail to participate in this event at the value of the KWs sold during 05/2012 will be subject to future de-rating, as described in the applicable ISO Procedures and the corresponding RIPs may be subject to deficiency penalties pursuant to ISO Procedures.

This constitutes an official Special Case Resource Event Activation Two Hour notice.

If any questions arise concerning this Special Case Resource Activation Two Hour notice please contact NYISO Customer Relations at 518-356-6060.

DRAFT - FOR DISCUSSION PURPOSES ONLY



Phone Notification Steps

- The automated phone message will begin with
 - "This is a message from the New York ISO"
 - The caller ID will display the NYISO Customer Relations number: 518-356-6060
- Press 1 to play the message
- After listening to the message
 - Press 1 to Confirm receipt of the message
 - Press 2 to Replay the message



Example Phone Message

- Phone Caller ID: 518-356-6060
- Phone Introduction:
 - "This is a message from the New York ISO"
- Phone Message Content:

Special Case Resources are needed today starting at 14:00 and ending at 18:00. Special Case Resources located in zones G, I, J, K are subject to this notice. Each Responsible Interface Party must respond within one hour in accordance with separate email instructions. Participation in this event is mandatory for each Special Case Resource sold during 05/2012 and load reduction achieved by each Special Case Resource during this event is expected to be at the value of the KWs sold. This constitutes an official Special Case Resource Event Activation 2 Hour notice. If any questions arise concerning this Special Case Resource Event 2 Hour notice please contact NYISO Customer Relations at 518-356-6060.



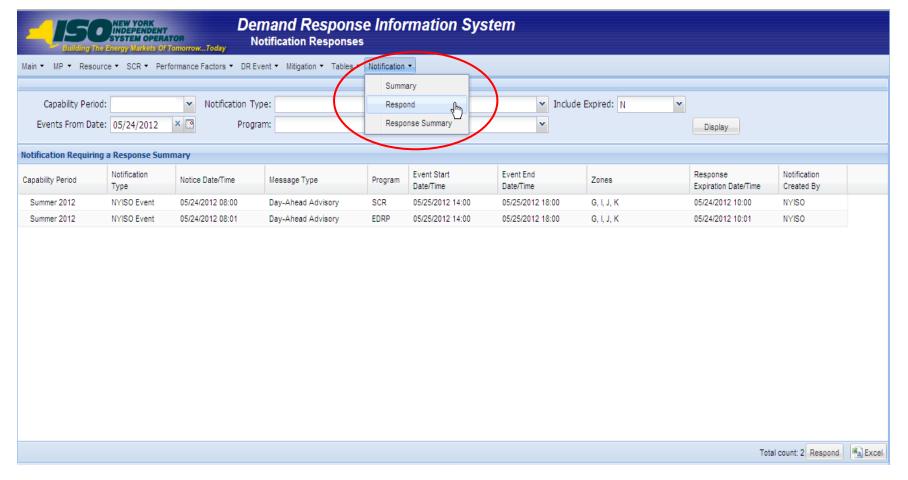


- MPs are expected to respond with expected curtailment values to the following types of Events and Tests:
 - NYISO Events: Day-Ahead Advisory, In-Day Advisory, Activation 2 Hour, Immediate Activation
 - <u>TDRP Events</u>: Day-Ahead Advisory, In-Day Advisory, Activation
 2 Hour, Immediate Activation
 - Performance Tests: Day-Ahead Advisory, Activation 2 Hour
- MPs are not expected to respond to Extension or Early Termination messages
- MPs are expected to respond with an acknowledgement of receipt to a Communication Test



View Event Notifications which Require a Response

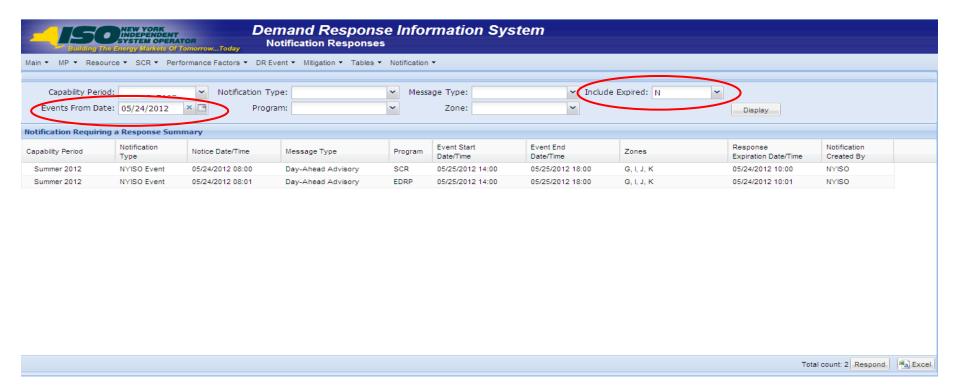
From the DRIS menu select Notification and then Respond





View Event Notifications which Require a Response

- The Notification Responses screen is displayed with the following defaulted search criteria
 - Events From Date equal to the system date
 - Event Notifications which have not expired





Notification Response Summary Data

- Capability Period: Capability Period of the Event Notification
- Notification Type: Type of Event Notification
 - NYISO, TDRP, Performance Test 1, Performance Test 2
- Notice Date/Time: Date and time when the Event Notification was created and distributed
- Message Type: Type of Event Notification Message
 - Day-Ahead Advisory, In-Day Advisory, 2-Hour Activation, Immediate Activation, Extension, Early Termination, Communication Test
- Program: Program associated with the Event Notification
 - SCR or EDRP



Notification Response Summary Data

- Event Start Date/Time: Date and time the Event begins
- Event End Date/Time: Date and time the Event ends
- Zones: Zone(s) or Subload Pocket(s) associated with the Event Notification
- Response Expiration Date/Time: Date and time past which expected curtailment responses to the Event Notification will no longer be accepted
- Notification Created By: Displayed as NYISO



Response Expiration Date/Time

 The Response Expiration Date/Time of an Event Notification is based on the Notice Date/Time

 All responses for expected curtailment values must be provided within 1 hour of the Notice Date/Time



Response Expiration Date/Time

 Once the Response Expiration Date/Time has passed, MPs will not be able to enter an expected curtailment value for the Event Notification

 MPs and their resources are expected to reduce load during the hours of the Event even if the MP has not entered the expected curtailment values before the Response Expiration Date/Time



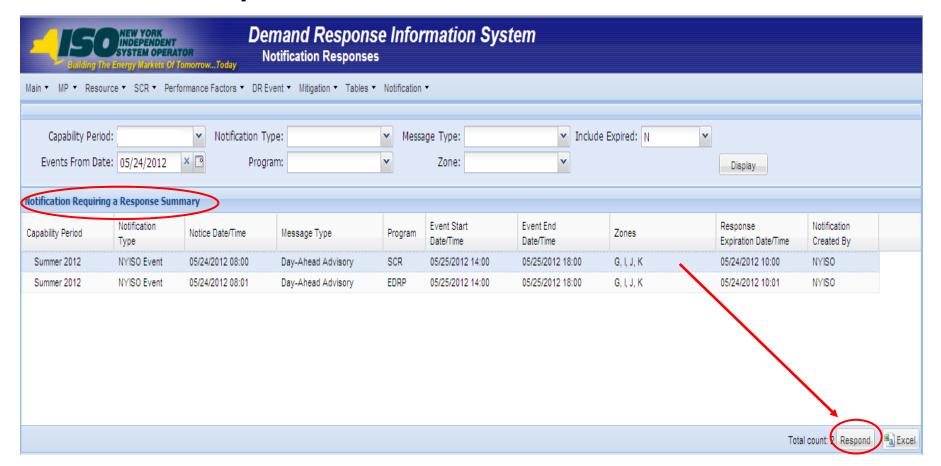
Extension and Early Termination Notifications

 Message Types of Extension and Early Termination do not require a response and will not appear on the *Notification Responses* screen

- View information of an Event Notification for an Extension or Early Termination on the Notification Summary screen
 - Slides 34 40 in this section

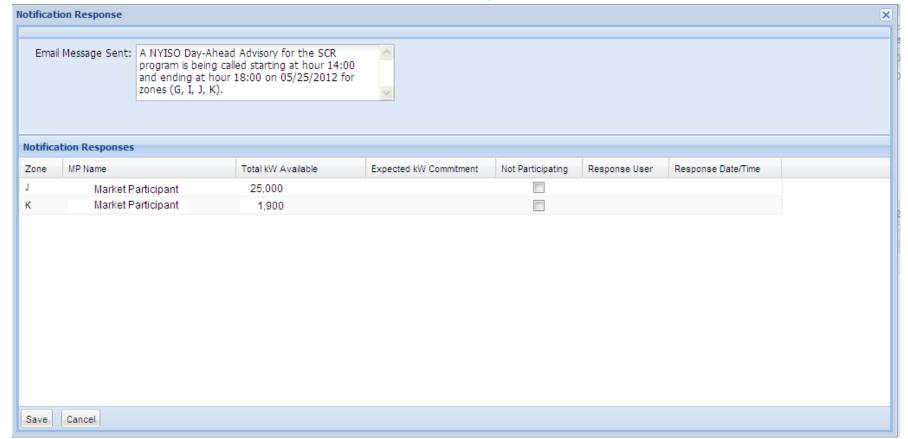


 From the section of the screen labeled Notification Requiring a Response Summary, highlight an Event Notification row and select "Respond"





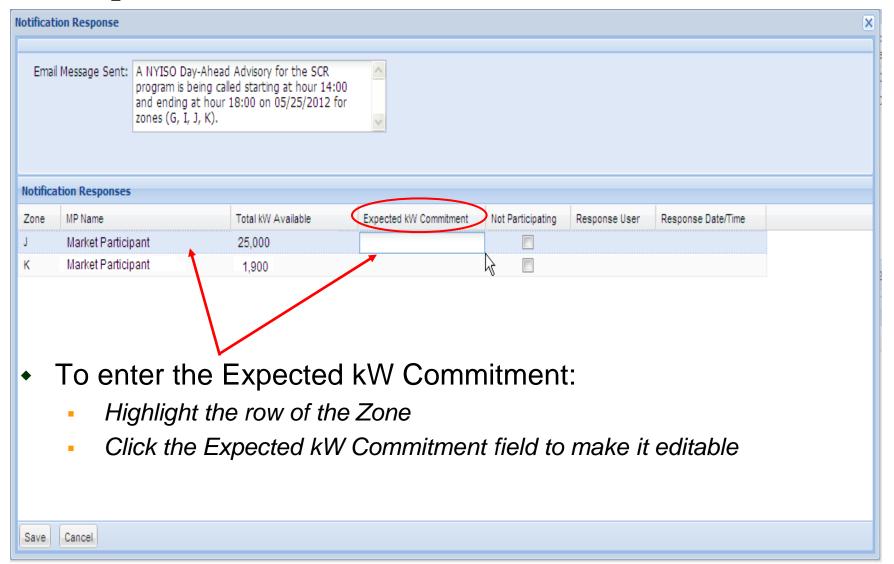
- The Notification Response window provides:
 - Text of email from the Event Notification message
 - Zone(s) from the Event Notification specific to the MP organization
 - Total kW Available for curtailment by Zone





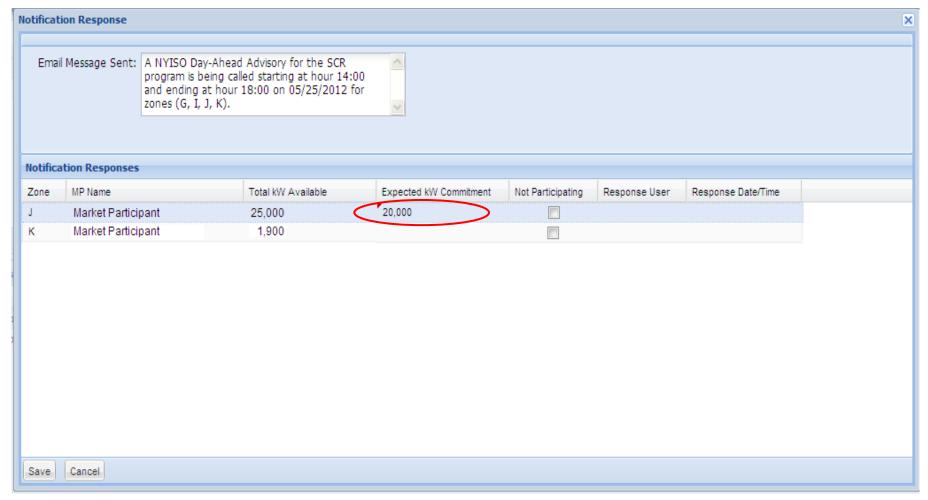
- Notification Response window data
 - Email Message Sent: Text of email from Event Notification
 - Zone(s): Zone(s) from Event Notification in which the MP organization has available kW to curtail
 - Total kW Available: value of kW available to curtail within the zone
 - Expected kW Curtailment: Curtailment kW value specified by MP for the zone
 - Not Participating: Checked when MP has indicated that no curtailment will occur in the zone
 - Response User: DRIS Web UI MP User who submitted the response
 - Response Date/Time: Date/time that response was submitted





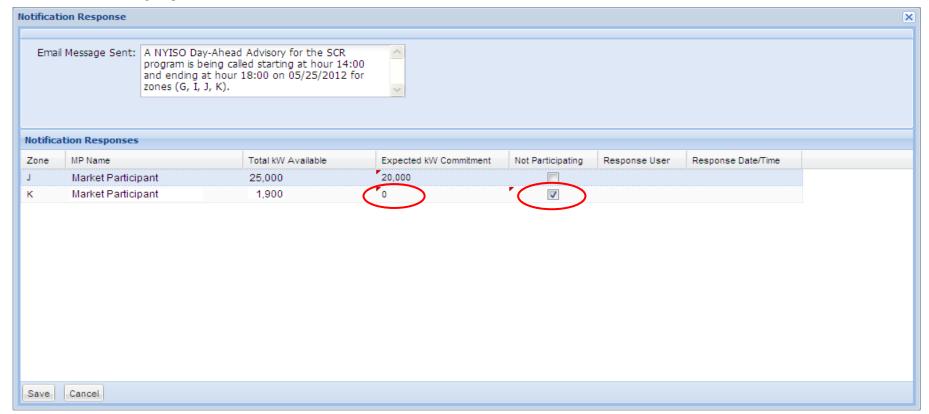


- To enter the Expected kW Commitment:
 - Enter kW value for the zone



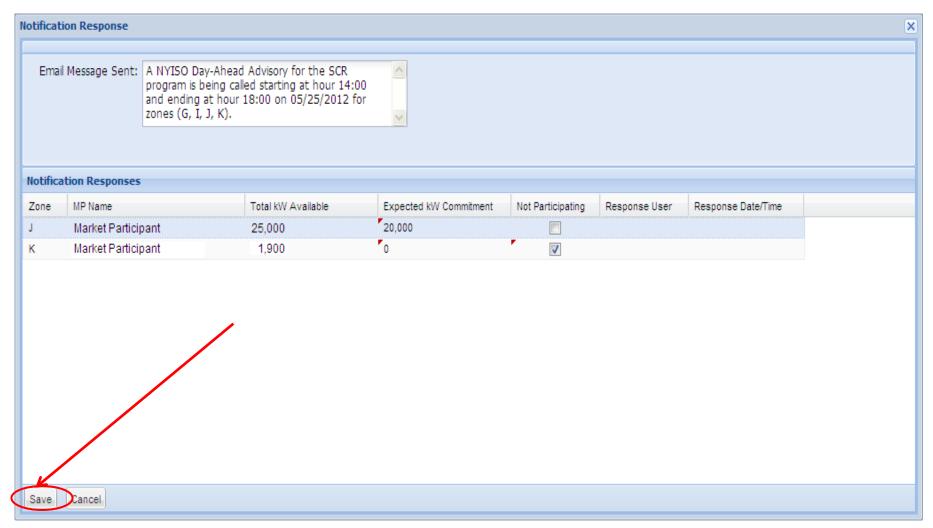


- MPs may also indicate that no curtailment will be provided for a specific zone
 - Check the Not Participating box corresponding to the zone
 - A zero Expected kW Commitment will automatically be populated for the zone





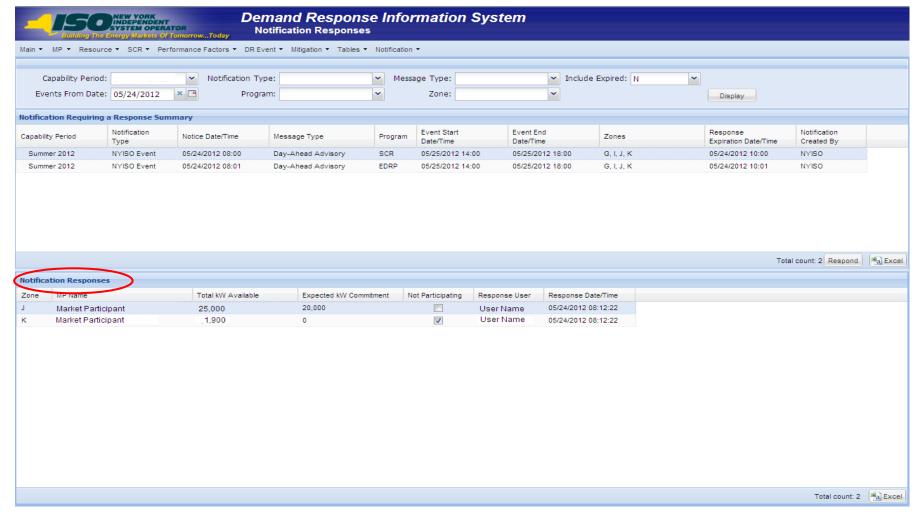
Click "Save" to save response values for the Event Notification





View Response to an Event Notification

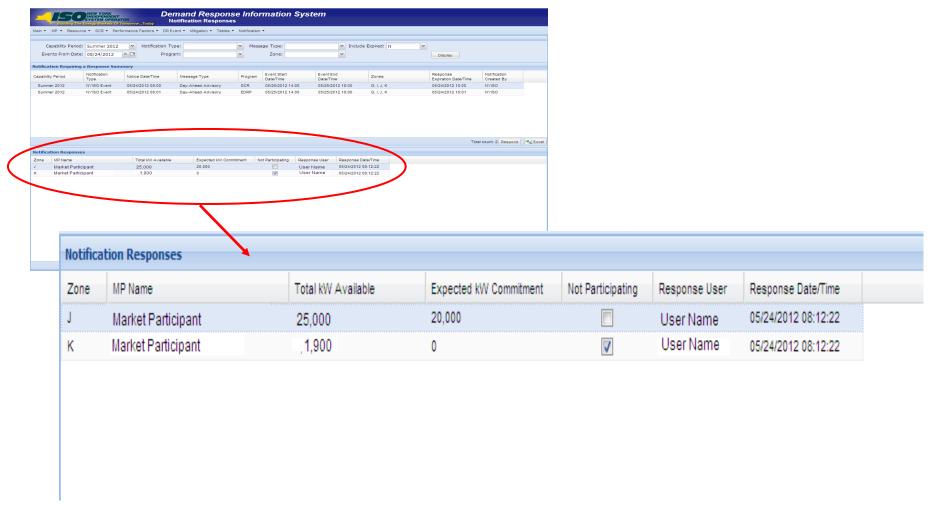
 DRIS returns to the Notification Responses screen with response details viewable on the lower portion of the screen





View Response to an Event Notification

 DRIS returns to the Notification Responses screen with response details viewable on the lower portion of the screen

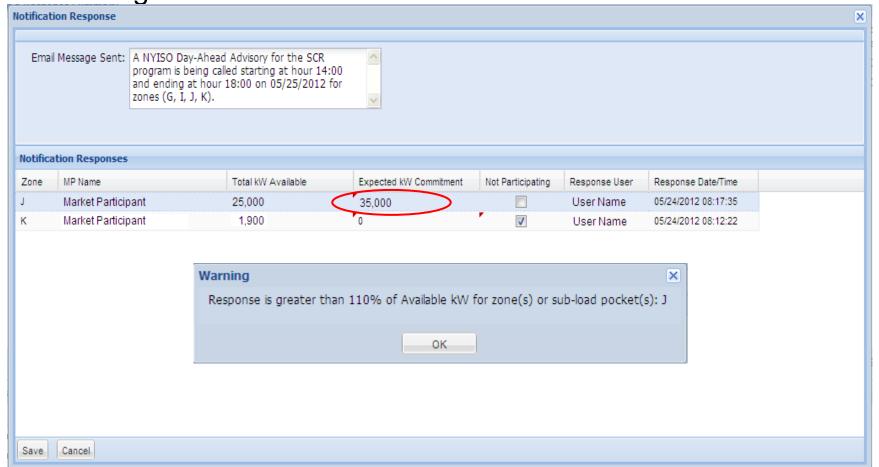




- MPs may update expected curtailment values to an Event Notification multiple times prior to the Response Expiration Date/Time
 - The zonal response expected curtailment value with the most recent submittal date will be saved in DRIS
 - The Response User entering the response with the most recent submittal date will be saved with the Event Notification
- The Expected kW Commitment may be greater than the Total kW Available
 - DRIS will provide a Warning Message when the Expected kW Commitment exceeds 110% of the Total kW Available
 - Accept the Warning Message and the value will be saved



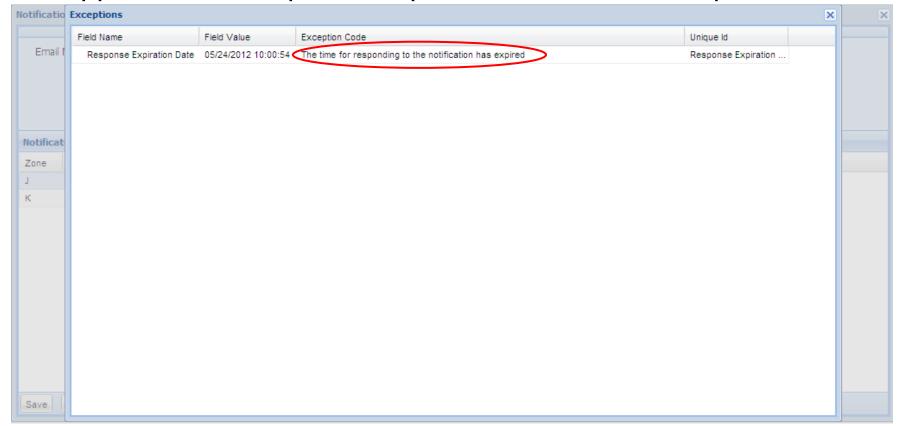
 To save the Expected kW Commitment value greater than 110% of the Total kW Available, click "OK" to the Warning Message and the value will be saved





Expired Event Notification

- DRIS will not accept any responses after the Response Expiration Date/Time
- After electing to save the response, an Exception Message will appear if the Response Expiration Date/Time has past



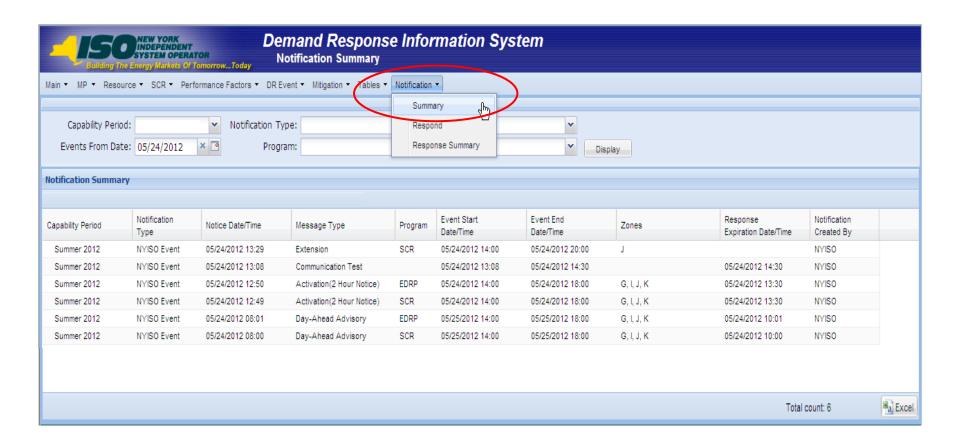




- Provides MPs with an historical summary of Event Notifications going forward
 - Capability Period
 - Specific Date
 - Notification Type
 - Message Type
 - Program
 - Zone
- Includes visibility to all Event Notifications issued by NYISO, including notifications for which an MP organization may not have been eligible to participate

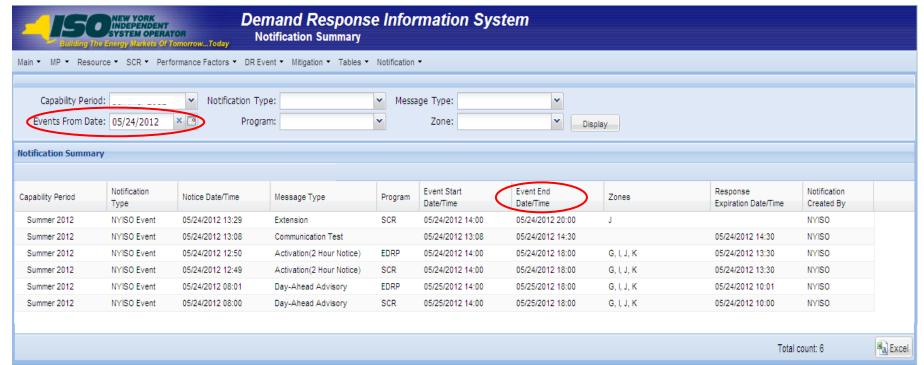


From the DRIS menu select Notification and then Summary



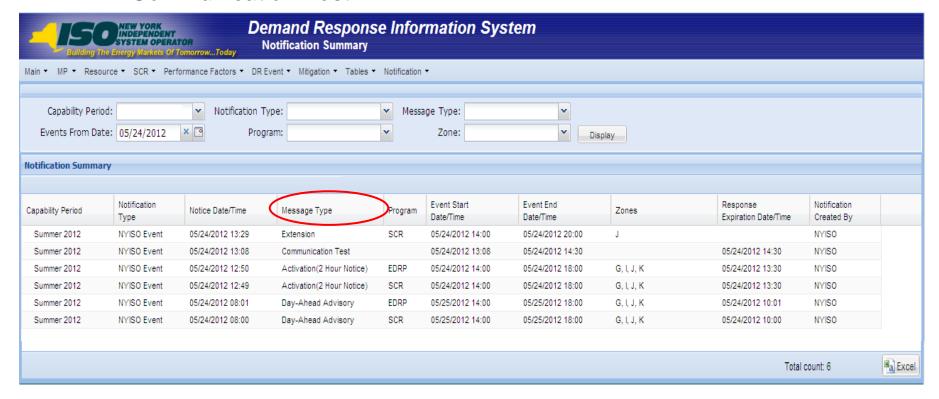


- The Notification Summary screen is displayed with the following defaulted search criteria
 - Events From Date set equal to the system date and displays Event
 Notifications with an Event End Date greater than or equal to the Events
 From Date
 - Select additional search criteria to further limit or expand results



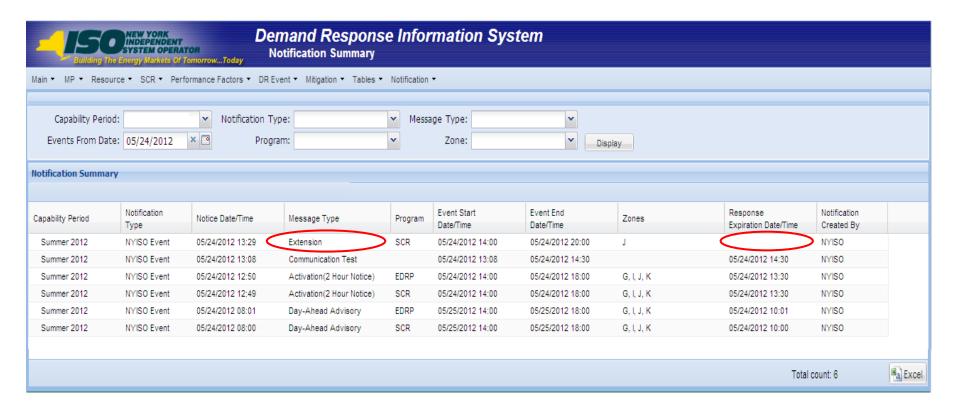


- From the Notification Summary screen view all Message Types
 - Advisories: Day-Ahead, In-Day
 - Activations: 2-Hour, Immediate
 - Extension and Early Termination
 - Communication Test



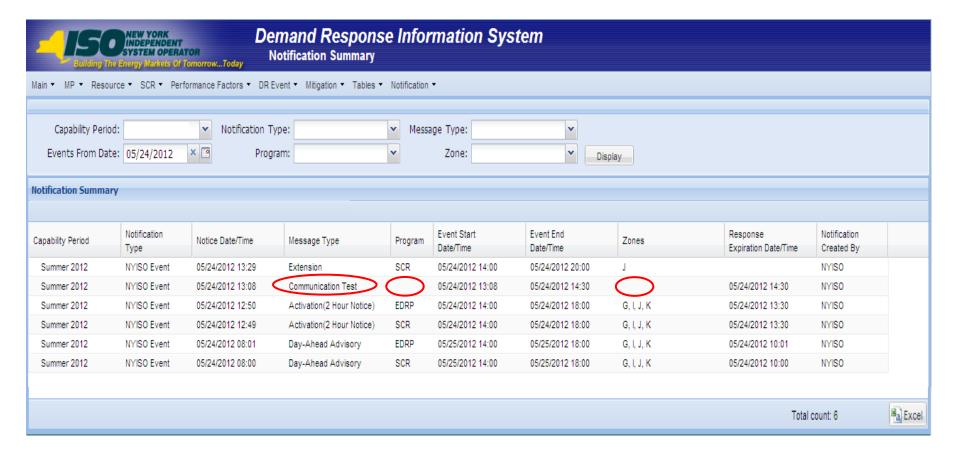


 Message Types of Extension or Early Termination do not require a response from MPs and do not have a Response Expiration Date/Time



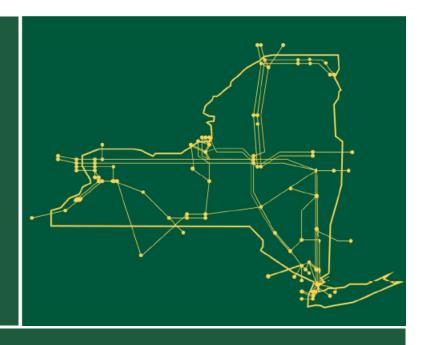


 A Message Type of Communication Test will not be associated with a specific Program or Zone





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