

Part 6 – DRIS – Second test and Additional Items Demand Response Information System (DRIS) Training for March 2014 Deployment

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Thursday, February 27th, 2013 09:00 AM – 11:00 AM

Tuesday, March 4th, 2013 01:00 PM – 03:00 PM

Web Ex - Rensselaer, NY

Training Topics

- ◆ Part 1: Introduction to DRIS
 - *DRIS User Requirements*
 - *User Privileges*
 - *Access to DRIS*

- ◆ Part 2: Provisional ACL Project Content Overview
 - *Provisional ACL*
 - *Request for ACL Data*
 - *Incremental ACL*
 - *SCR Change of Status/Shutdown kW*

- ◆ Part 3: Resource Enrollment in DRIS
 - *Provisional ACL Eligibility*
 - *Export Enrollment File*
 - *Import Resources*
 - *Resource Import Validations*

- ◆ Part 4: Managing ACL Data Requests
 - *View Resources*
 - *Resource Enrollment Validations*

- ◆ Part 5: Enrollment Screens
 - *ACL Details*
 - *Event Responses*
 - *ACL Adjustments*
 - *Top Hours*

- ◆ **Part 6: Second Test and Additional Items**
 - ***DADRP/DSASP kW Adjustments***
 - ***Changes to Top Hours***
 - ***Second Test Requirements***

- ◆ Part 7: Deployment
 - *Additional Training Sessions*
 - *Deployment Activities*

DRIS Additional Items - Topics

- ◆ **DADRP/DSASP kW Adjustments**
 - *DADRP Add-back kW*
 - *DSASP Baseline kW*
- ◆ **Changes to SCR Load Zone Peak Hours**
 - *Change in range of hours and additional rules*
 - Capability Period
 - Monthly
 - *Additional set of Capability Period SCR Load Zone Peak Hours*
 - Applicable to Summer 2014 and Winter 2014-2015
 - *SCR Load Zone Peak Hours Screens*
- ◆ **Requirements for Second Test**
 - *When resources are required to respond*

DADRP/DSASP KW ADJUSTMENTS IN DRIS

DADRP/DSASP Adjustments

◆ kW Adjustments

■ *Day Ahead Demand Response Program (DADRP)*

- Reduction values from verified Load reductions in the DADRP corresponding with Capability Period SCR Load Zone Peak Hours or Monthly SCR Load Zone Peak Hours will be imported into DRIS by the NYISO
- Works similarly as TO Add-back
 - RIP-reported metered load value plus DADRP load reduction
- Values can be viewed from Resource ACL Adjustment Screen

■ *Demand Side Ancillary Services Program (DSASP)*

- DSASP Baseline MW immediately preceding DSASP dispatch, corresponding with Capability Period SCR Load Zone Peak Hours or Monthly SCR Load Zone Peak Hours will be imported into DRIS by the NYISO
- Replaces ACL kW imported for the same hour, if higher
- Values can be viewed from Resource ACL Adjustment Screen

■ *Timeline*

- Values will be imported into DRIS by the NYISO, after the Capability Period and Monthly SCR Load Zone Peak Hours are imported

DADRP/DSASP Adjustments

◆ Final ACL kW Value

- *Determination of ACL Value used for Capability Period and/or Monthly SCR Load Zone Peak Hour will be one of the following values for the overlapping hour:*
 - **ACL kW imported by RIP plus (greater of the TO Add-back kW from TO1, or the TO Add-back kW from TO2, or the DADRP Add-back kW)**
 - **Greater of, ACL kW imported by RIP plus (greater of the TO Add-back from TO1 or the TO Add-back from TO2) or the DSASP kW**

◆ Summer Enrollment 2014

- *DADRP and DSASP kW adjustment imports will begin with Enrollment of resources for Summer 2014*
- *DADRP and DSASP kW adjustment imports for Verification will begin in Q1 of 2015*

DADRP/DSASP Adjustments

- ◆ **The DADRP and DSASP kW adjustments can be viewed from multiple sources in DRIS**
 - ***Capability Period Enrollment Screen***
 - **ACL Details Tab**
 - ***Resource Adjustment kW Screen***
 - **Resource Adjustment Details Pane**
 - ***Provisional ACL Shortfall Screen***
 - **ACL Details Pane**
 - ***Incremental ACL Shortfall Screen***
 - **ACL Details Pane**

CHANGES TO SCR LOAD ZONE PEAK HOURS

Capability Period SCR Load Zone Peak Hours

- ◆ **Change to existing rules:**
 - *Prior to Summer 2014, defined as “SCR Load Zone Peak Hours”, on a Capability Period basis, were determined inside the window of 1:00 PM to 7:00 PM*
 - **Event and test hours are excluded**
 - **No additional time-based exclusions applied**
 - *Beginning with Summer 2014, now defined as “Capability Period SCR Load Zone Peak Hours”, on a Capability Period basis, will be determined inside the window of 11:00 AM to 8:00 PM*
 - **Event and test hours are excluded**
 - **Additional exclusions will include the hour before and the hour after a reliability event or performance test, excluding up to a maximum of eight such hours in descending rank order of NYCA Load**

Monthly SCR Load Zone Peak Hours

- ◆ **New tariff-defined term**
 - *Used in the Verification process of an Incremental ACL*
 - *Will be based on the top 40 hours of NYCA Load during each month of the Capability Period and include the expanded hour range from 11:00 AM to 8:00 PM, including additional exclusions that apply to Capability Period SCR Load Zone Peak Hours*
 - **Timeline**
 - **Values will be imported into DRIS by the NYISO, along with the Capability Period SCR Load Zone Peak Hours**

Additional Capability Period SCR Load Zone Peak Hours

- ◆ **Prior to Summer 2014**
 - *Top 40 SCR Load Zone Peak Hours were derived from the hour range 1:00 – 7:00 PM and rules specified on slide 9*
- ◆ **For Summer 2014 and Winter 2014-2015**
 - *Enrollment Capability Period SCR Load Zone Peak Hours for Summer 2014 will be derived from the expanded set of hours, going into effect with Summer 2014, 11:00 AM – 8:00 PM*
 - *Verification SCR Load Zone Peak Hours will be derived from the rules pre-Summer 2014*
 - **Verification data for SCR Load Zone Peak hours for the Capability Periods of Summer 2013 and Winter 2013-2014 will be based on the selection time period of 1:00 PM – 7:00 PM and the exclusion rules in effect for those Capability Periods**

Additional Capability Period SCR Load Zone Peak Hours, con't

- ◆ **Beginning with Verification for Summer 2014 Provisional ACL/Incremental ACL and Enrollment for Summer 2015**
 - *Capability Period SCR Load Zone Peak Hours will be derived from the hour range 11:00 AM to 8:00 PM and rules specified on slide 9*

- ◆ **Monthly Capability Period SCR Load Zone Peak Hours**
 - *First posting will occur in Q1 of 2015 and will follow the hour range 11:00 AM – 8:00 PM and rules specified on slide 9*

SCR LOAD ZONE PEAK HOURS SCREENS

Capability Period SCR Load Zone Peak Hours Screen

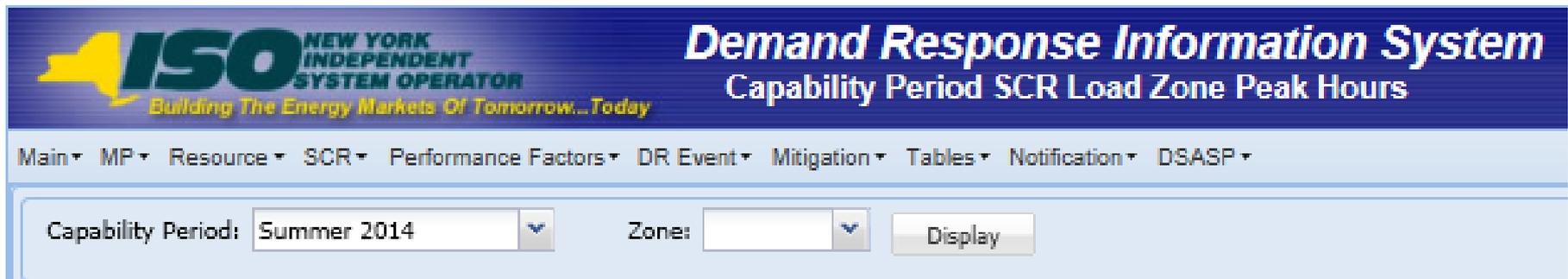


Demand Response Information System
Verification Peak Load Hours for Summer 2014 and Winter 2014-2015

Main ▾ MP ▾ Resource ▾ SCR ▾ Performance Factors ▾ DR Event ▾ Mitigation ▾ Tables ▾ Notification ▾ DSASP ▾

- Generator Types
- Transmission Loss Factors
- Peak Load Hours**
- Verification Pk Hrs (S14 & W14-15)
- Monthly Peak Load Hours
- DSASP Product/Aggregation Types

- ◆ Search Criteria
 - *Capability Period*
 - *Zone*



Demand Response Information System
Capability Period SCR Load Zone Peak Hours

Main ▾ MP ▾ Resource ▾ SCR ▾ Performance Factors ▾ DR Event ▾ Mitigation ▾ Tables ▾ Notification ▾ DSASP ▾

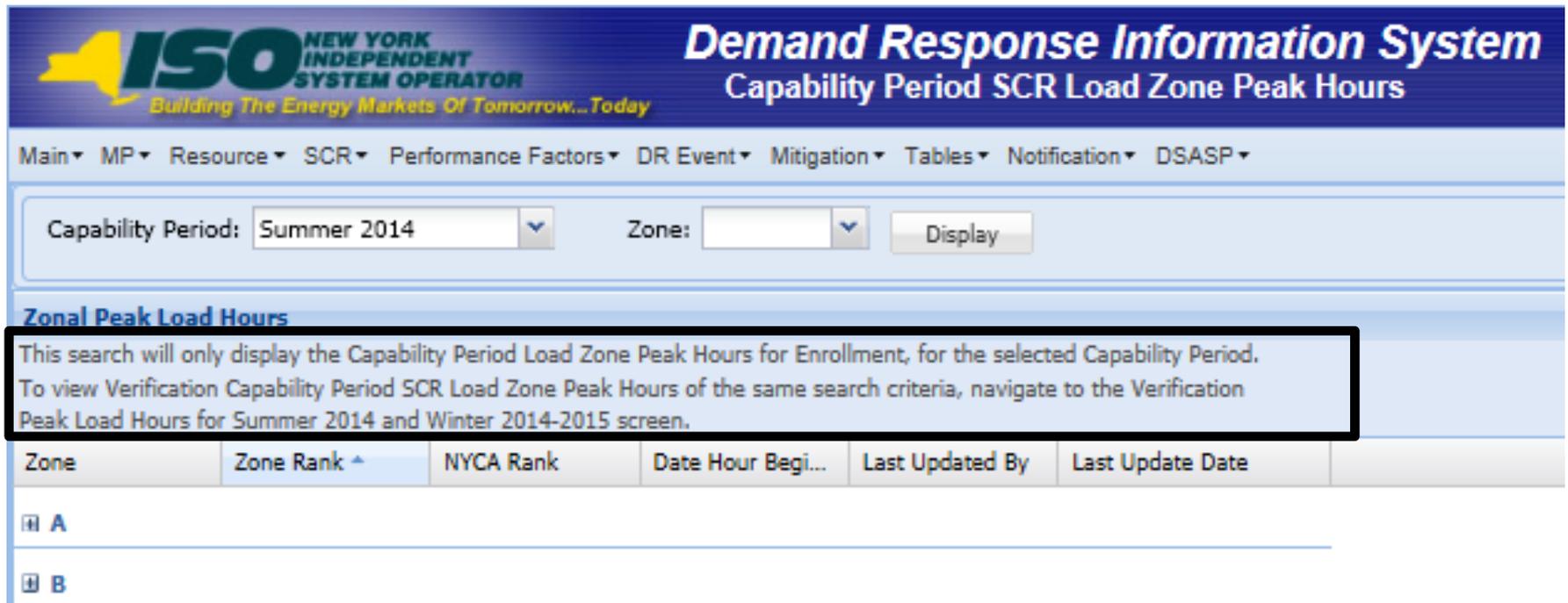
Capability Period: ▾ Zones: ▾

Capability Period SCR Load Zone Peak Hours Screen

- ◆ **Capability Period SCR Load Zone Peak Hours Fields:**
 - ***Zone***
 - Zone which the Top 40 Capability Period SCR Load Zone Peak Hours are applicable to
 - ***Zone Rank***
 - Ascending order of rank of the Date/Hour by Zone selected
 - ***NYCA Rank***
 - Ascending order of rank of the Date/Hour by overall NYCA ranking
 - ***Date Hour Beginning***
 - Date and Hour Beginning of Top 40 hour
 - ***Last Updated By***
 - User list was last updated by
 - ***Last Update Date***
 - Date and time list was last updated

Capability Period SCR Load Zone Peak Hours Screen

- ◆ Select a specific Capability Period and/or zone
- ◆ Expand/Collapse hour set for each zone which meets search criteria



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Demand Response Information System
Capability Period SCR Load Zone Peak Hours

Main ▾ MP ▾ Resource ▾ SCR ▾ Performance Factors ▾ DR Event ▾ Mitigation ▾ Tables ▾ Notification ▾ DSASP ▾

Capability Period: Summer 2014 ▾ Zone: ▾ Display

Zonal Peak Load Hours

This search will only display the Capability Period Load Zone Peak Hours for Enrollment, for the selected Capability Period. To view Verification Capability Period SCR Load Zone Peak Hours of the same search criteria, navigate to the Verification Peak Load Hours for Summer 2014 and Winter 2014-2015 screen.

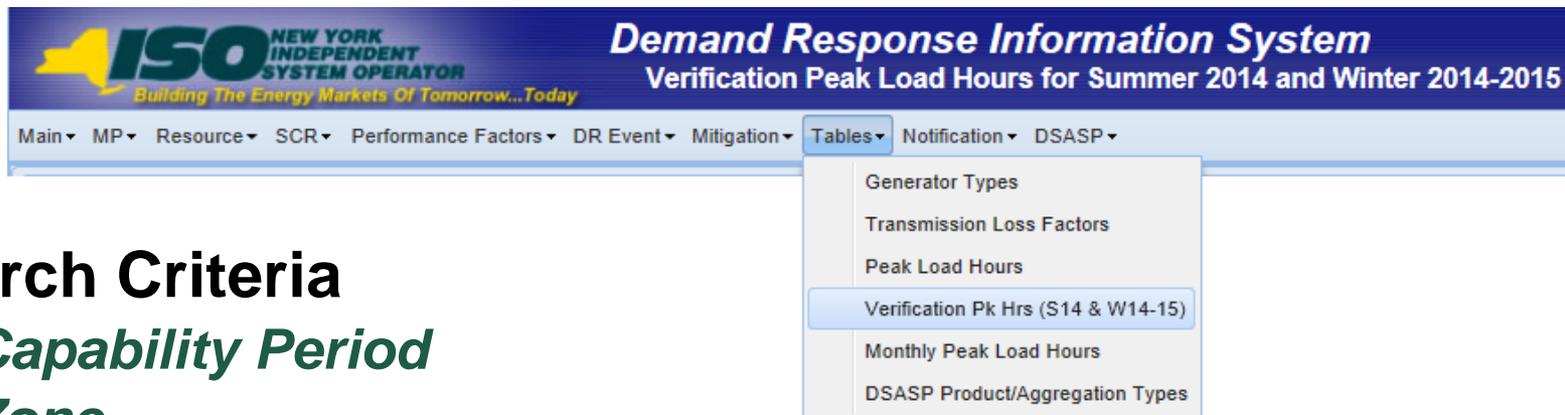
Zone	Zone Rank ▲	NYCA Rank	Date Hour Begi...	Last Updated By	Last Update Date
⊞ A					
⊞ B					

Capability Period SCR Load Zone Peak Hours Screen

- ◆ Select a specific Capability Period and/or zone
- ◆ Expand/Collapse hour set for each zone which meets search criteria

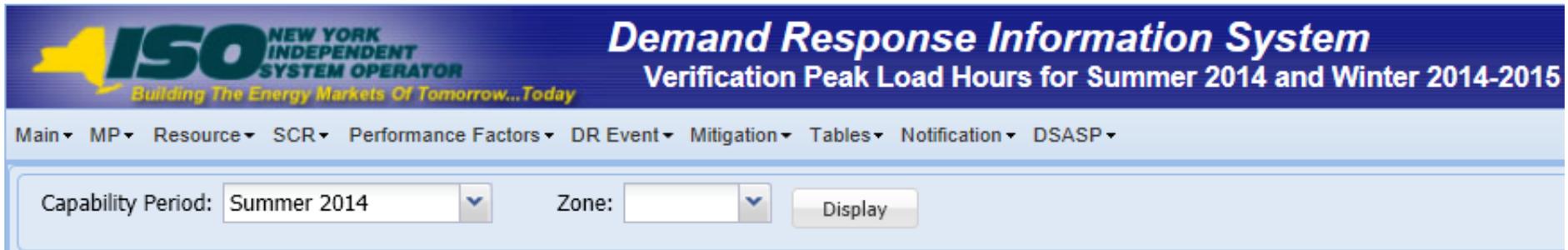
Zonal Peak Load Hours					
<p>This search will only display the Capability Period Load Zone Peak Hours for Enrollment, for the selected Capability Period. To view Verification Capability Period SCR Load Zone Peak Hours of the same search criteria, navigate to the Verification Peak Load Hours for Summer 2014 and Winter 2014-2015 screen.</p>					
Zone	Zone Rank ▲	NYCA Rank	Date Hour Begi...	Last Updated By	Last Update Date
<input checked="" type="checkbox"/> A					
A	1	1	05/01/2013 11	NYISO	02/04/2014 12:38:52
A	2	2	07/16/2013 19	NYISO	02/04/2014 12:38:52
A	3	3	07/17/2013 14	NYISO	02/04/2014 12:38:52
A	4	4	07/20/2013 16	NYISO	02/04/2014 12:38:52
A	5	5	07/21/2013 18	NYISO	02/04/2014 12:38:52
A	6	6	07/22/2013 16	NYISO	02/04/2014 12:38:52
A	7	7	07/23/2013 14	NYISO	02/04/2014 12:38:52

Verification Load Zone Peak Hours for Summer 2014 and Winter 2014 – 2015 Screen



The screenshot shows the top navigation bar of the Demand Response Information System. The title is "Demand Response Information System" with the subtitle "Verification Peak Load Hours for Summer 2014 and Winter 2014-2015". The navigation menu includes: Main, MP, Resource, SCR, Performance Factors, DR Event, Mitigation, Tables, Notification, and DSASP. The "Tables" dropdown menu is open, showing the following options: Generator Types, Transmission Loss Factors, Peak Load Hours, Verification Pk Hrs (S14 & W14-15) (highlighted), Monthly Peak Load Hours, and DSASP Product/Aggregation Types.

- ◆ Search Criteria
 - *Capability Period*
 - *Zone*



The screenshot shows the search criteria input form. The title is "Demand Response Information System" with the subtitle "Verification Peak Load Hours for Summer 2014 and Winter 2014-2015". The navigation menu is the same as in the previous screenshot. The search form includes:

- Capability Period: Summer 2014 (dropdown menu)
- Zone: (empty dropdown menu)
- Display (button)

Verification Load Zone Peak Hours for Summer 2014 and Winter 2014 – 2015 Screen

- ◆ **Capability Period SCR Load Zone Peak Hours Fields:**

- ***Zone***

- Zone which the Capability Period SCR Load Zone Peak Hours are applicable to

- ***Zone Rank***

- Ascending order of rank of the Date/Hour by Zone selected

- ***NYCA Rank***

- Ascending order of rank of the Date/Hour by overall NYCA ranking

- ***Date Hour Beginning***

- Date and Hour Beginning of hour

- ***Last Updated By***

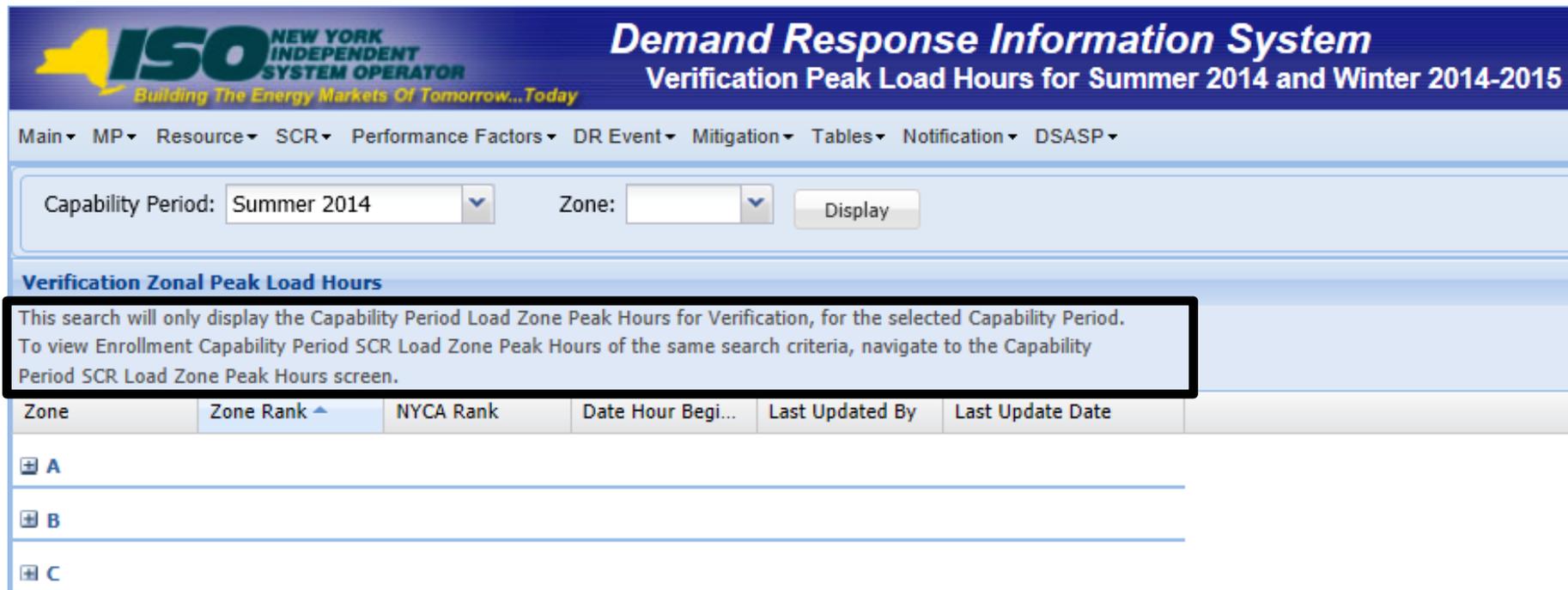
- User list was last updated by

- ***Last Update Date***

- Date and time list was last updated

Verification Load Zone Peak Hours for Summer 2014 and Winter 2014 – 2015 Screen

- ◆ Select a specific Capability Period and/or zone
- ◆ Expand/Collapse hour set for each zone which meets search criteria



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Demand Response Information System
Verification Peak Load Hours for Summer 2014 and Winter 2014-2015

Main ▾ MP ▾ Resource ▾ SCR ▾ Performance Factors ▾ DR Event ▾ Mitigation ▾ Tables ▾ Notification ▾ DSASP ▾

Capability Period: Summer 2014 ▾ Zone: ▾ Display

Verification Zonal Peak Load Hours

This search will only display the Capability Period Load Zone Peak Hours for Verification, for the selected Capability Period. To view Enrollment Capability Period SCR Load Zone Peak Hours of the same search criteria, navigate to the Capability Period SCR Load Zone Peak Hours screen.

Zone	Zone Rank ▲	NYCA Rank	Date Hour Begi...	Last Updated By	Last Update Date
⊕ A					
⊕ B					
⊕ C					

Verification Load Zone Peak Hours for Summer 2014 and Winter 2014 – 2015 Screen

- ◆ Select a specific Capability Period and/or zone
- ◆ Expand/Collapse hour set for each zone which meets search criteria

Verification Zonal Peak Load Hours					
This search will only display the Capability Period Load Zone Peak Hours for Verification, for the selected Capability Period. To view Enrollment Capability Period SCR Load Zone Peak Hours of the same search criteria, navigate to the Capability Period SCR Load Zone Peak Hours screen.					
Zone	Zone Rank ▲	NYCA Rank	Date Hour Begi...	Last Updated By	Last Update Date
☐ A					
A	1	1	05/01/2013 13	NYISO	02/04/2014 12:15:39
A	2	2	07/16/2013 18	NYISO	02/04/2014 12:15:39
A	3	3	07/17/2013 17	NYISO	02/04/2014 12:15:39
A	4	4	07/20/2013 17	NYISO	02/04/2014 12:15:39
A	5	5	07/21/2013 16	NYISO	02/04/2014 12:15:39
A	6	6	07/22/2013 16	NYISO	02/04/2014 12:15:39
A	7	7	07/23/2013 14	NYISO	02/04/2014 12:15:39

Monthly SCR Load Zone Peak Hours

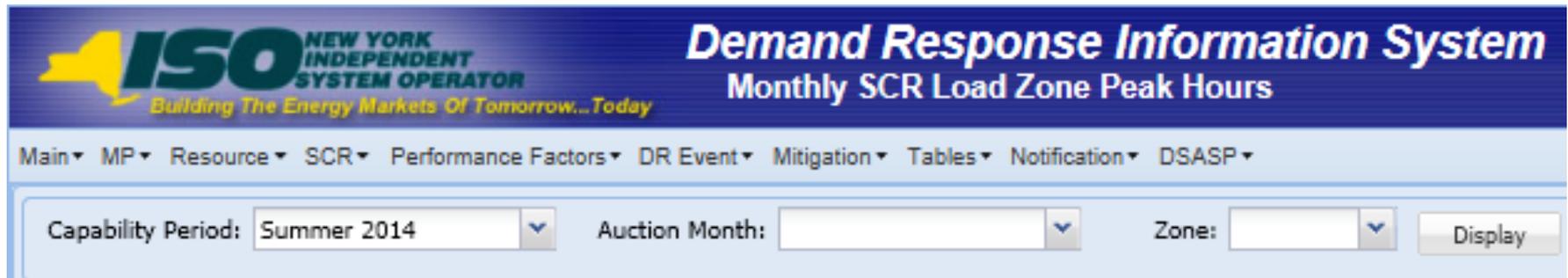


Demand Response Information System
Capability Period SCR Load Zone Peak Hours

Main ▾ MP ▾ Resource ▾ SCR ▾ Performance Factors ▾ DR Event ▾ Mitigation ▾ Tables ▾ Notification ▾ DSASP ▾

- Generator Types
- Transmission Loss Factors
- Peak Load Hours
- Verification Pk Hrs (S14 & W14-15)
- Monthly Peak Load Hours**
- DSASP Product/Aggregation Types

- ◆ **Search Criteria**
 - *Capability Period*
 - *Auction Month*
 - *Zone*



Demand Response Information System
Monthly SCR Load Zone Peak Hours

Main ▾ MP ▾ Resource ▾ SCR ▾ Performance Factors ▾ DR Event ▾ Mitigation ▾ Tables ▾ Notification ▾ DSASP ▾

Capability Period: Summer 2014 ▾ Auction Month: ▾ Zone: ▾

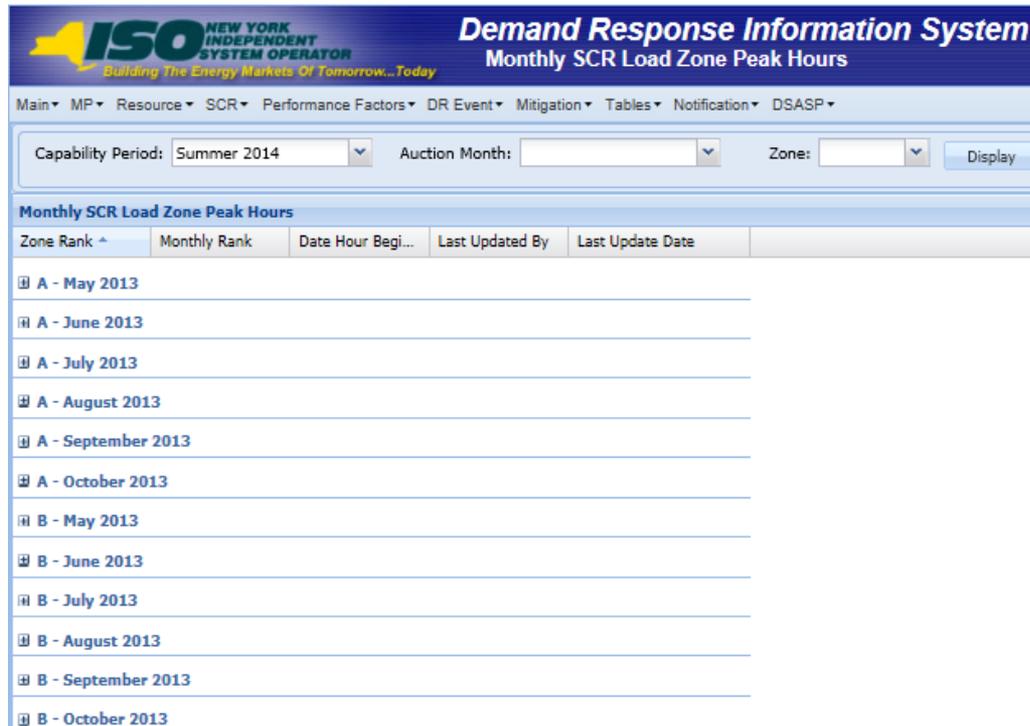
Monthly SCR Load Zone Peak Hours

◆ Capability Period SCR Load Zone Peak Hours Fields:

- ***Zone***
 - Zone which the Capability Period SCR Load Zone Peak Hours are applicable to
- ***Zone Rank***
 - Ascending order of rank of the Date/Hour by Zone selected
- ***NYCA Rank***
 - Ascending order of rank of the Date/Hour by overall NYCA ranking
- ***Date Hour Beginning***
 - Date and Hour Beginning of hour
- ***Last Updated By***
 - User list was last updated by
- ***Last Update Date***
 - Date and time list was last updated

Monthly SCR Load Zone Peak Hours

- ◆ Select a specific Capability Period, Auction Month and/or zone
- ◆ Expand/Collapse hour set for each zone which meets search criteria



Demand Response Information System
Monthly SCR Load Zone Peak Hours

Main ▾ MP ▾ Resource ▾ SCR ▾ Performance Factors ▾ DR Event ▾ Mitigation ▾ Tables ▾ Notification ▾ DSASP ▾

Capability Period: Summer 2014 ▾ Auction Month: ▾ Zone: ▾ Display

Zone Rank ^	Monthly Rank	Date Hour Begi...	Last Updated By	Last Update Date
[-] A - May 2013				
[-] A - June 2013				
[-] A - July 2013				
[-] A - August 2013				
[-] A - September 2013				
[-] A - October 2013				
[-] B - May 2013				
[-] B - June 2013				
[-] B - July 2013				
[-] B - August 2013				
[-] B - September 2013				
[-] B - October 2013				

Monthly SCR Load Zone Peak Hours

- ◆ **Monthly SCR Load Zone Peak Hours will be used for the Verification of a Resource Enrolled with an Incremental ACL**
- ◆ **Monthly SCR Load Zone Peak Hours will be based on a combination of Month and Zone**
- ◆ **First used during the Verification process in Q1 of 2015, for resources Enrolled with an Incremental ACL in Summer 2014**

REQUIREMENTS FOR SECOND TEST

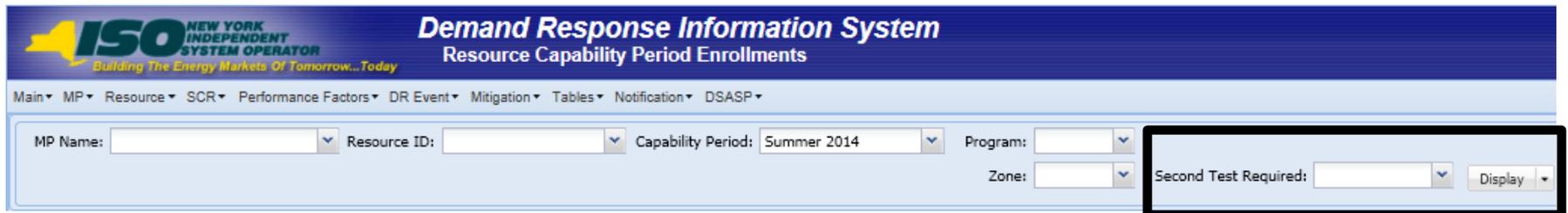
Second Test

- ◆ **Second Test Requirements**
 - *Resources may be required to respond to the second test for multiple reasons*
- ◆ **Second Test Notifications**
 - *Notification format for the second test will not change*
 - *Import format of test response data will not change*
- ◆ **Resources Required to Respond**
 - *MP can view resources required to respond in the second test from the Capability Period Enrollments Screen in DRIS*
 - *Ability to filter search of resources required to respond by requirement/enrollment type*
- ◆ **Performance**
 - *When a resource is required to respond to both tests in a Capability Period, performance in both tests will be included in the calculation of the resource's Performance Factor*

Resources Required to Respond to Second Test – Capability Period Enrollments

◆ Search Criteria

- *MP Name*
- *Resource ID*
- *Capability Period*
- *Program*
- *Zone*
- *Second Test Required**



Resources Required to Respond to Second Test – Capability Period Enrollments

◆ Second Test Required Search Filter

■ *All*

- All resources which meet one of the following criteria

■ *Ineligible for First Test*

- Resources which were enrolled after the first test in the Capability Period and therefore are required to respond to the second test

■ *Incremental Enrollment*

- Resources which were enrolled with an Incremental ACL kW after the first test in the Capability Period

- Resources which performed in the first test, prior to enrolling with an Incremental ACL kW, must perform in the second test in the Capability Period to demonstrate the resource's response with the increase to the base ACL

- Exception:

- *When the Declared Value on the Incremental ACL enrollment does not increase over the Declared Value prior to enrollment with an Incremental ACL*

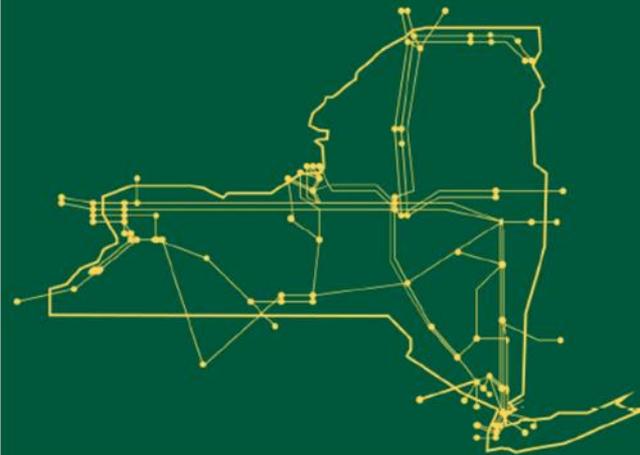
Resources Required to Respond to Second Test – Capability Period Enrollments, con't

- ◆ **Second Test Required Search Filter**
 - *Change of Status Enrollment*
 - Resources which were enrolled with a Shutdown kW after the first test in the Capability Period
 - Resources which performed in the first test, prior to enrolling with a Shutdown kW, must perform in the second test in the Capability Period to demonstrate the resource's response with the decrease to the base ACL
 - *Exceptions:*
 - *The Declared Value of the resource is set to zero for the duration of the SCR Change of Status*
 - *When the Declared Value is decreased by a value greater than the highest Shutdown kW value, across months with a SCR Change of Status enrollment*
 - *The Shutdown kW value of the resource on the enrollment for the month of the second test is equal to zero*

Resources Required to Respond to Second Test – Capability Period Enrollments, con't

- ◆ Second Test Required Search Filter
 - *SCR Change of Status Enrollment*
 - Resources which were enrolled with a Shutdown kW prior to and performed in the first test in the Capability Period and then changed the value of the reported Shutdown kW in the enrollment months between the first and second test in the Capability Period
 - Resources which performed in the first test and were enrolled with a Shutdown kW, must perform in the second test in the Capability Period to demonstrate the resource's response with the change to the Shutdown kW
 - *Exceptions:*
 - *The Declared Value of the resource is set to zero for all months with a SCR Change of Status, since the first test in the Capability Period*
 - *When the Declared Value is decreased by a value greater than the highest Shutdown kW value, across months with a SCR Change of Status enrollment prior to and including the month of the first test in the Capability Period*
 - *The Shutdown kW of the resource on the enrollment for the month of the second test is equal to zero*

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