

Part 5 - Updates to Existing DRIS Functionality Demand Response Information System (DRIS) Training for October 2014 Deployment

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Thursday, October 16, 2014 9:30am - 11:30am

Wednesday, October 29, 2014 1:30pm - 3:30pm

Web Ex - Rensselaer, NY

Training Topics

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

- ◆ Part 2 : SCR Change of Status
 - *Change of Status Functionality*
 - *Types of Change of Status*
 - *Viewing Change of Status in DRIS*
 - *Reporting Change of Status*
 - *Change of Status Summary*

- ◆ Part 3: Incremental ACL Verification
 - *Import Process*
 - *Managing Exceptions*
 - *Monthly Top Hours*
 - *Incremental ACL Screen*

- ◆ Part 4: Resource and MP Level Shortfall Data
 - *Viewing Shortfall Data*
 - *Shortfall Summary Screen*
 - *Greatest Deficiency*
 - *Shortfall Type*
 - *RIP Portfolio Performance Shortfall*
 - *Summary of RIP Portfolio Performance Shortfall*

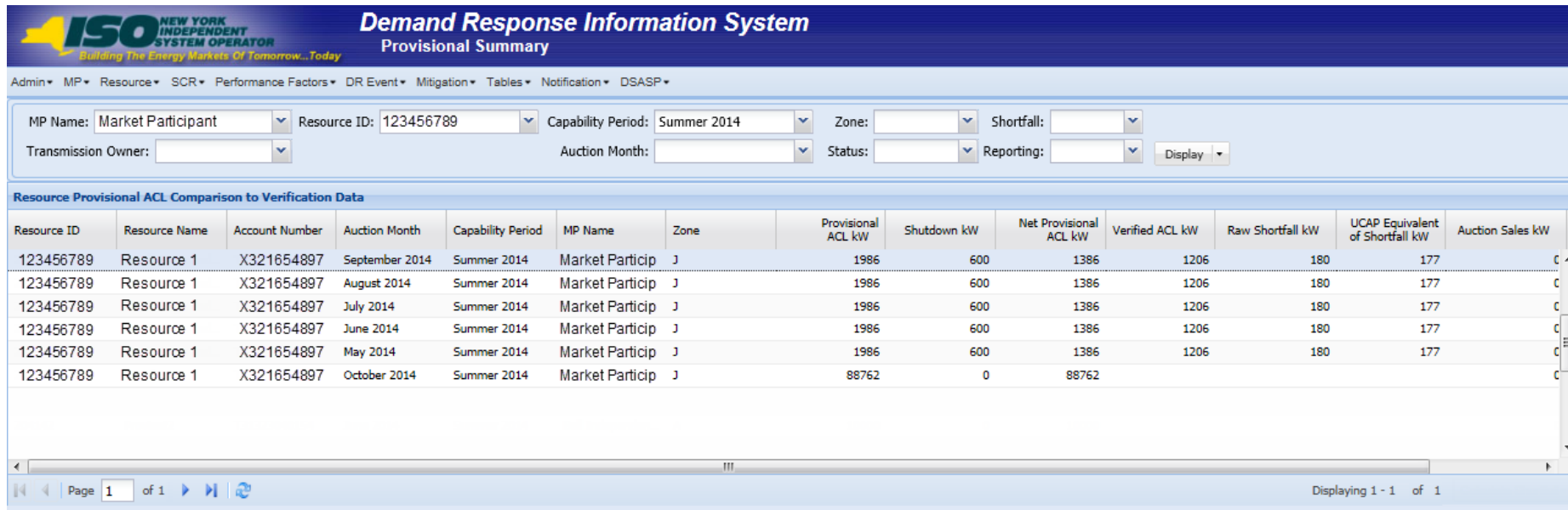
- ◆ **Part 5: Updates to DRIS Functionality**
 - ***Provisional ACL Summary Screen***
 - ***Current Functionality***
 - ***“No Verified Data”***
 - ***Provisional ACL Details Screen***
 - ***Resource Responses to Event***
 - ***“Failure to Report”***
 - ***“Failure to Report to 2nd Test”***
 - ***View Event Response Details***

- ◆ Part 6 : Deployment
 - *Additional Training Sessions*
 - *Deployment Activities*

Provisional ACL Verification Details

Provisional ACL Summary Screen

- ◆ Provides the MP with a view of the resource Verified ACL based on the imported data



Demand Response Information System
Provisional Summary

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

MP Name: Resource ID: Capability Period: Zone: Shortfall:
 Transmission Owner: Auction Month: Status: Reporting:

Resource Provisional ACL Comparison to Verification Data

Resource ID	Resource Name	Account Number	Auction Month	Capability Period	MP Name	Zone	Provisional ACL kW	Shutdown kW	Net Provisional ACL kW	Verified ACL kW	Raw Shortfall kW	UCAP Equivalent of Shortfall kW	Auction Sales kW
123456789	Resource 1	X321654897	September 2014	Summer 2014	Market Particip	J	1986	600	1386	1206	180	177	
123456789	Resource 1	X321654897	August 2014	Summer 2014	Market Particip	J	1986	600	1386	1206	180	177	
123456789	Resource 1	X321654897	July 2014	Summer 2014	Market Particip	J	1986	600	1386	1206	180	177	
123456789	Resource 1	X321654897	June 2014	Summer 2014	Market Particip	J	1986	600	1386	1206	180	177	
123456789	Resource 1	X321654897	May 2014	Summer 2014	Market Particip	J	1986	600	1386	1206	180	177	
123456789	Resource 1	X321654897	October 2014	Summer 2014	Market Particip	J	88762	0	88762				

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- ◆ Identifies when a Provisional ACL Shortfall exists for a specific resource, for a selected Capability Period and month

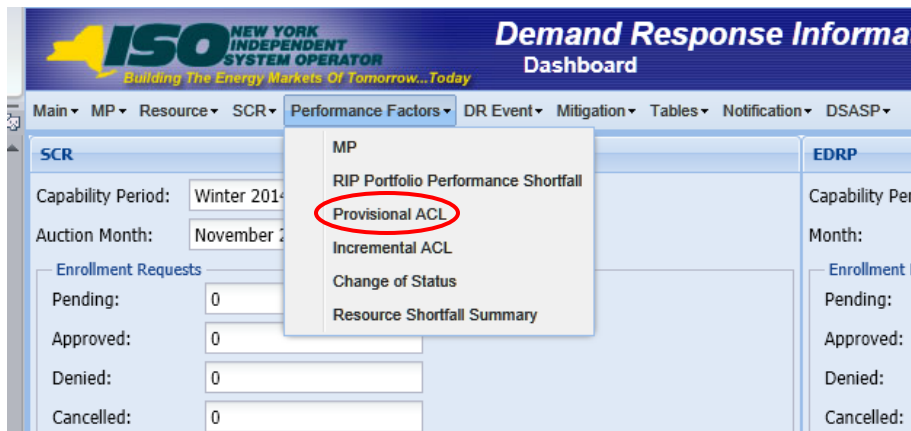
Current Functionality

- ◆ Allows users to view resource Provisional ACL information
- ◆ Users can narrow the search by specific resource, zone, Transmission Owner or by resources with a shortfall
- ◆ Users can view the ACL kW values used to calculate the Verified ACL of the resource

New – “No Reported Data Filter”

- ◆ MPs may select “No Verified Data” from the “Reporting” search filter
- ◆ User enters search criteria, must select resource or Capability Period and “No Verified Data” from the reporting filter drop down
- ◆ System retrieves resources and associated enrollment data for each month where the resource was enrolled with an Provisional ACL and no approved verified metered load data record exists
- ◆ *This also applies to Incremental ACL Data*

View “No Verified Data”



- ◆ Select “Provisional ACL” from the “Performance Factor “ menu
- ◆ Optionally select the Capability Period and Event or Resource ID
- ◆ Choose the “No Verified” option from the Reporting Filter drop-down
- ◆ Click “Display”



Verification Data

- ◆ **Provisional ACL kW** – values of the resource reported with the resource enrollment data for the selected Capability Period
- ◆ **Shutdown kW** – resource Shutdown kW for the Capability Period and month selected
- ◆ **Net ACL kW** - resource Provisional ACL kW value reported with the resource enrollment data for the Capability Period selected, less the Shutdown kW for the Capability Period and month selected
- ◆ **Verified ACL kW** – DRIS calculated ACL kW for the resource from the import of the resource Provisional ACL verification file including TO/DADRP add-back kW and DSASP baseline kW values
- ◆ **Raw Shortfall kW** – the difference between the Net ACL kW and the Verified ACL kW fields of the resource for the Capability Period and month selected

Verification Data con't

- ◆ **UCAP Equivalent of Shortfall kW** – UCAP equivalent of the Raw Shortfall kW
- ◆ **Auction Sales kW** – the resource auction sales for the Capability Period and month selected
- ◆ **AMD** –Actual Metered Demand of the resources from all event and test hours in which the resource performed in the Capability Period selected. The lowest value is used for Response Type C and B and the highest value is used for Response Type G
- ◆ **Applicable Shortfall kW** - the value of the resource shortfall based on the Provisional ACL Shortfall calculation for selected month and Capability Period

Provisional ACL Details

- ◆ View details of the resource Provisional ACL verification data by clicking the corresponding row in the Provisional Summary grid.
- ◆ The system expands a frame at the bottom of the screen, where additional resource ACL details are displayed

Demand Response Information System
Provisional Summary

Admin • MP • Resource • SCR • Performance Factors • DR Event • Mitigation • Tables • Notification • DSASP •

MP Name: Market Participant | Resource ID: 123456789 | Capability Period: Summer 2014 | Zone: | Shortfall: |
 Transmission Owner: | Auction Month: | Status: | Reporting: | Display

Resource Provisional ACL Comparison to Verification Data

Resource ID	Resource Name	Account Number	Auction Month	Capability Period	MP Name	Zone	Provisional ACL kW	Shutdown kW	Net Provisional ACL kW	Verified ACL kW	Raw Shortfall kW	UCAP Equivalent of Shortfall kW	Auction Sales kW
123456789	Resource 1	X321654897	September 2014	Summer 2014	Market Particip	J	1966	600	1386	1206	180	177	C
123456789	Resource 1	X321654897	August 2014	Summer 2014	Market Particip	J	1966	600	1386	1206	180	177	C
123456789	Resource 1	X321654897	July 2014	Summer 2014	Market Particip	J	1966	600	1386	1206	180	177	C
123456789	Resource 1	X321654897	June 2014	Summer 2014	Market Particip	J	1966	600	1386	1206	180	177	C
123456789	Resource 1	X321654897	May 2014	Summer 2014	Market Particip	J	1966	600	1386	1206	180	177	C
123456789	Resource 1	X321654897	October 2014	Summer 2014	Market Particip	J	86762	0	86762				C

ACL Details

Resource ID	Peak Load Date and HB	ACL kW	TO Add-back kW	Reporting TO	DADRP Add-back kW	DSASP Baseline kW	Total kW	Used in ACL Calculation	Calculation Basis	Verified ACL kW
APPROVED - Resource ID: 123456789 - Submittal Date: 01/31/2014 14:24:40 - Verified ACL: 1206										
123456789	06/24/2014 12:00:00	1200	78	CEO	60	1270	1278	<input checked="" type="checkbox"/>	ACL = TO	1206
123456789	06/24/2014 14:00:00	1200			60		1260	<input checked="" type="checkbox"/>	ACL = DADRP	1206
123456789	07/06/2014 16:00:00	1200					1200	<input checked="" type="checkbox"/>	ACL	1206
123456789	07/06/2014 15:00:00	1200					1200	<input checked="" type="checkbox"/>	ACL	1206
123456789	07/06/2014 17:00:00	1200					1200	<input checked="" type="checkbox"/>	ACL	1206
123456789	07/06/2014 14:00:00	1200					1200	<input checked="" type="checkbox"/>	ACL	1206
123456789	07/18/2014 19:00:00	1200					1200	<input checked="" type="checkbox"/>	ACL	1206
123456789	07/06/2014 13:00:00	1200					1200	<input checked="" type="checkbox"/>	ACL	1206
123456789	06/11/2014 17:00:00	1300					1300	<input checked="" type="checkbox"/>	ACL	1306

Summary

- ◆ Provisional ACL verification data provides a snapshot of the resource Verified ACL based on import data. DRIS identifies when a shortfall exists for the selected Capability Period and month.
- ◆ Upon initial import of the resource's Provisional ACL verification file, DRIS will calculate the resource ACL and determine if a Provisional ACL Shortfall exists for resources in the file which pass all validations.
- ◆ Any resource which receives a Provisional ACL shortfall kW based on the Provisional ACL Shortfall Calculation performed in DRIS will be identified as having a shortfall.

Summary con't

- ◆ Once final shortfalls have been determined, the user will have the option of using the “Reporting” filter option “*No Verified Data,*” which will return resources enrolled with a Provisional ACL in the Capability Period selected, that did not have verification data imported during the reporting period
- ◆ DRIS provides this functionality for Incremental ACL as well

Resource Responses to Events

View Resource Responses to Events and Tests

- ◆ Once the MP has successfully imported resource responses to an event or test, the response data can be viewed in DRIS
- ◆ DRIS calculates the Energy and Capacity Reduction
- ◆ DRIS provides the ability to view performance details by a specific event or test

New Feature - Failure to Report

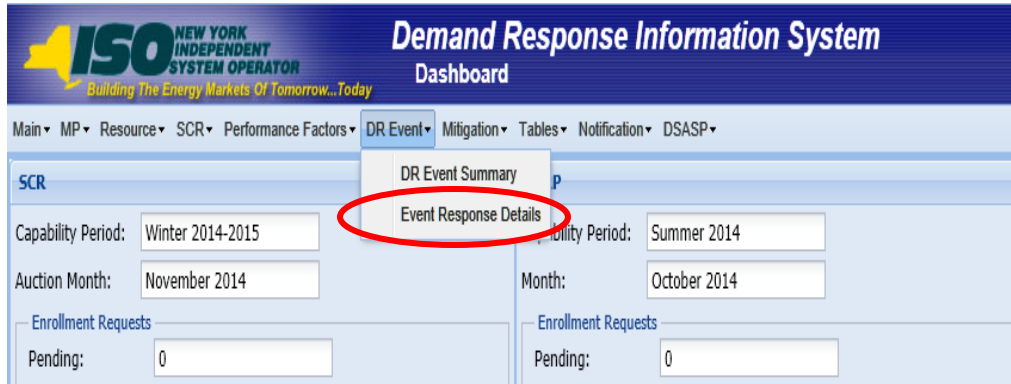
New Reporting Filter - “Failure to Report”

- ◆ When selected, it will return all resources that were required to respond to an event or test selected with a null metered kW value
- ◆ Resources which did not have event or test responses imported in DRIS will be identified by this feature

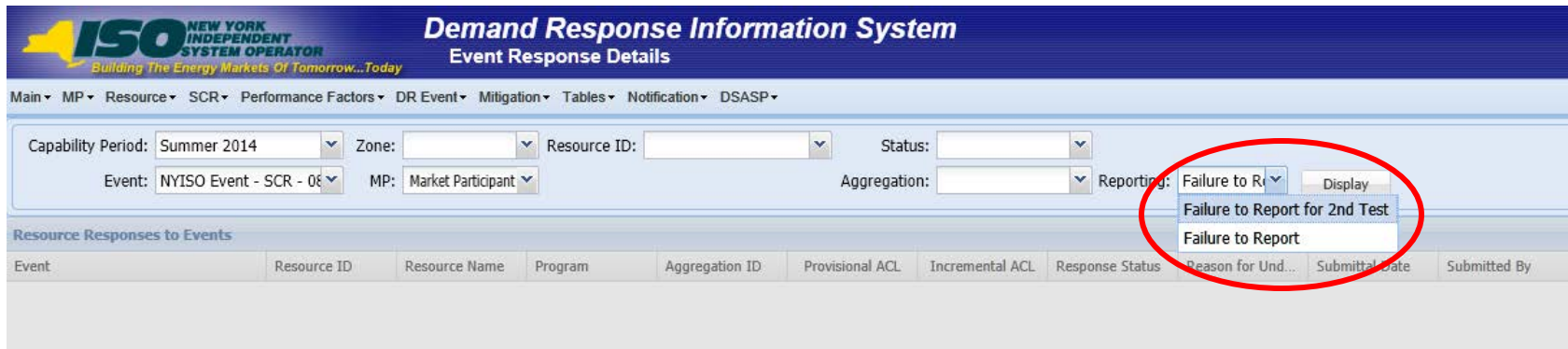
Failure to Report for 2nd Test

- ◆ Returns all resources required to respond for the 2nd Test, which have not reported response data
- ◆ Resources which may appear in this filter include those resources enrolled with an Incremental ACL, a Change of Status or enrollment in the Capability Period after the first test of the Capability Period

View Event Response Details



- ◆ From the “DR Event” Menu, select “Event Response Details”
- ◆ Choose Capability Period and Event or Resource ID
Choose “Failure to Report for 2nd Test” or “Failure to Report”
- ◆ Click “Display”



Summary

- ◆ The response data can be viewed in DRIS once the MP has successfully imported resource responses to an event or test
- ◆ New feature added to the Resource Responses to Event screen
 - *Failure to Report*
 - *Failure to Report for 2nd Test*
- ◆ It will return all resources that were required to respond to an event or test selected with no metered kW value
- ◆ No resources will be returned on either search prior to the Performance Factors being run for the applicable Capability Period
- ◆ SCRs may be subject to potential sanctions for failure to report the metered load data required for verification

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