

Demand Response Information
System (DRIS) Training for
January 2011 Deployment
Part 2 – Updates to Existing DRIS
Functionality

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January 6, 2011 9:00 am – 11:00 am

January 11, 2011 1:00 pm – 3:00 pm

Rensselaer, NY

Training Topics

- ◆ Part 1: Introduction to DRIS
 - *DRIS User Requirements*
 - *User Privileges*
 - *Access to DRIS*
 - *Additional Tools*
- ◆ Part 2: Updates to Existing DRIS Functionality
 - *Enrollment Files*
 - *DRIS Screens*
 - *Additional Updates*
- ◆ Part 3: Market Participant Performance Factor
 - *Contributing Resource Performance Factors*
- ◆ Part 4: SCR Resources with Potential Offer Floor Price
 - *Identify Resources*
 - *View Offer Floor Details*
- ◆ Part 5: DR Events
 - *View Event and Test Details*
- ◆ Part 6: Event Responses
 - *Import Event Responses*
 - *View Responses*
 - *View Payment Details*
- ◆ Part 7: Deployment
 - *Additional Training Sessions*
 - *Deployment Activities*

Updates to Existing Functionality

- ◆ Enrollment Files
 - *TO Account Number format*
 - *Change in Status: Shutdown kW field*

- ◆ Existing DRIS Screens
 - *Change in Status: Resource Monthly Details Screen*
 - *Small Customer Aggregations: Resource Details Screen*

- ◆ Other Updates
 - *Importing with Excel*
 - *Import Results Report*

TO Account Number: Change to EDRP and SCR Enrollment Files

- ◆ Submitting TO Account Number
 - *The account number assigned by the Transmission Owner must be submitted into DRIS with the letter 'T' preceding the account number.*
 - For example, if the account number is '5436789' it must be submitted on the import file to DRIS as 'T5436789.'
 - *For resources assigned Rochester Gas & Electric or NYS Electric & Gas, which use the Point of Distribution ID (POD ID).*
 - When the POD ID assigned by the Transmission Owner is preceded by an 'R' or an 'N', do not precede the POD ID with the letter 'T.'
 - For example, if the POD ID is 'R5436789' it must be submitted on the import file to DRIS as 'R5436789.'

TO Account Number: Change to EDRP and SCR Enrollment Files

- Resources in DRIS have been updated to reflect the TO Account Number change and will appear on the enrollment export with 'T' preceding the TO Account Number as indicated on the previous slide.

Sample SCR Enrollment File

	A	B	C	D	E	F	G	H	I	J	K
1	Effective Date=11/01/2010&										
2	Program=SCR&										
3	Resource ID	Resource Name	TO Account Num	Zone	Transmiss	Street	Street 2	City	State	Zip Code	TO Service Vc
4	6003100	Some Resource	T49930827 J	ABC		219 Some Street		Some City	NY	10036	1
5	6203339	Another Resource	T399302203 J	ABC		41 Another Street		Another City	NY	10305	2
6	7209628	Resource East	T703395030 J	EPG		56 General Road		Far City	NY	10458	3

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y
	Generator Type	Generator Name	Plate CBL Method	Compliance Question	PMD kW 1	PMD Hour 1	PMD Date 1	PMD kW 2	PMD Hour 2	PMD Date 2	PMD kW 3	PMD Hour 3	PMD Date 3	PMD kW 4
		A			3816	15	12/15/2009	4116	16	01/22/2010	4474	17	02/14/2010	3834
		A			1100	16	12/12/2009	1196	19	01/19/2010	1254	14	02/13/2010	1204
	1	8000 A	Y		809	19	12/03/2009	847	19	01/30/2010	848	19	02/22/2010	710

	Z	AA	AB	AC	AD	AE	AF	AG
	PMD Hour 4	PMD Date 4	Provisional APMD Question	Aggregation ID	Response Type	Subscribed Load	Subscribed Gen	Shutdown KW
	13	03/18/2010	N	9340	C	100	0	0
	18	03/12/2010	N	8744	C	240	0	0
	19	03/03/2010	N	9340	B	0	100	0

Change of Status: New field on the SCR Enrollment File

- ◆ Submitting Shutdown kW
 - *For SCR resources with a Change in Status, the Shutdown value in kW must be greater than or equal to zero.*
 - *For the first month in which the Change in Status occurs, enter the kW value of the Shutdown and then enter the kW value in each subsequent month in which the Change in Status is in effect.*
 - *For the first month in which the Change in Status is no longer in effect, enter a zero (0) as the kW value of the Shutdown.*
 - *A value must always be reported in the Shutdown kW field on the SCR Enrollment file as either zero or greater than zero.*
- ◆ Change in Load and Change of Status forms are still required to be submitted to Auxiliary Market Operations

Change of Status: New field on the SCR Enrollment File

- Resources in DRIS have been updated with a Shutdown kW default value of 0 (zero) and will appear on the enrollment export with a 0 (zero) in the Shutdown kW field.

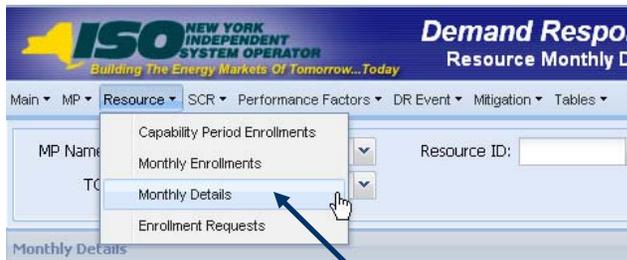
Sample SCR Enrollment File

	A	B	C	D	E	F	G	H	I	J	K
1	Effective Date=11/01/2010&										
2	Program=SCR&										
3	Resource ID	Resource Name	TO Account Num	Zone	Transmiss	Street	Street 2	City	State	Zip Code	TO Service V
4	6003100	Some Resource	T49930827	J	ABC	219 Some Street		Some City	NY	10036	1
5	6203339	Another Resource	T399902203	J	ABC	41 Another Street		Another City	NY	10305	2
6	7209628	Resource East	T703396030	J	EFG	56 General Road		Far City	NY	10458	3

	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	
	Generator Type	Generator Name	Plate	CBL Method	Compliance Question	PMD kW 1	PMD Hour 1	PMD Date 1	PMD kW 2	PMD Hour 2	PMD Date 2	PMD kW 3	PMD Hour 3	PMD Date 3	PMD kW 4
		A				3816		15 12/15/2009	4116		16 01/22/2010	4474		17 02/14/2010	3834
		A				1100		16 12/12/2009	1196		19 01/19/2010	1254		14 02/13/2010	1204
	1	8000 A		Y		809		19 12/03/2009	847		19 01/30/2010	848		19 02/22/2010	710

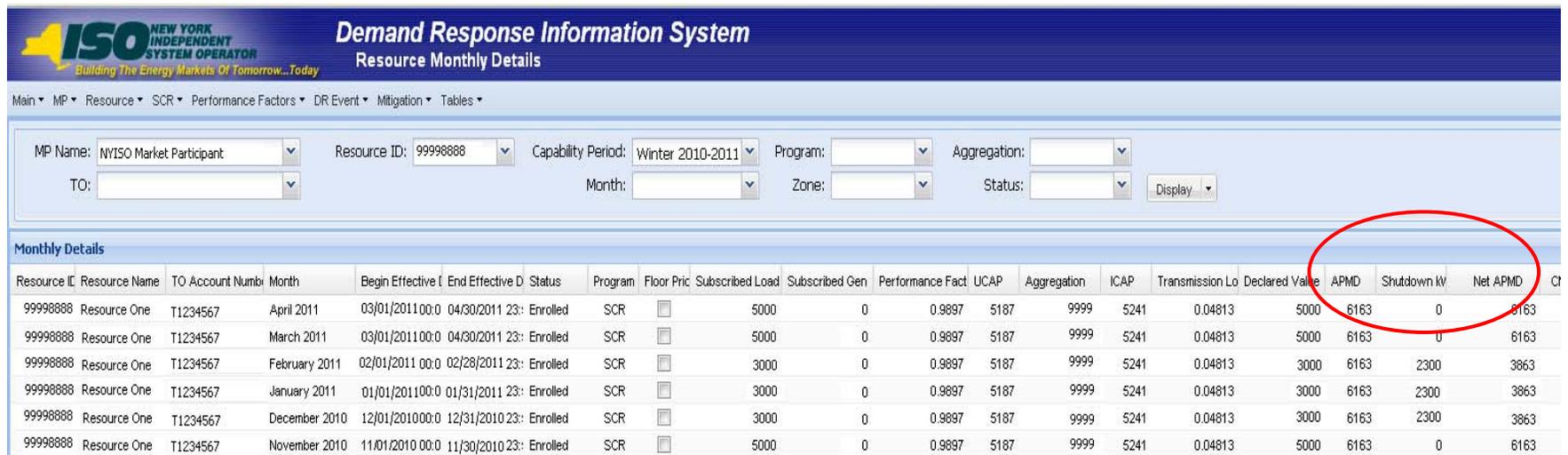
	Z	AA	AB	AC	AD	AE	AF	AG
	PMD Hour 4	PMD Date 4	Provisional APMD Question	Aggregation ID	Response Type	Subscribed Load	Subscribed Gen	Shutdown kW
	13 03/18/2010		N		9340 C	100	0	0
	18 03/12/2010		N		8744 C	240	0	0
	19 03/03/2010		N		9340 B	0	100	0

Change of Status: New fields on Resource Monthly Details Screen



- ◆ Shutdown kW
- ◆ Net APMD = APMD – Shutdown kW

Select Monthly Details from the Resource menu

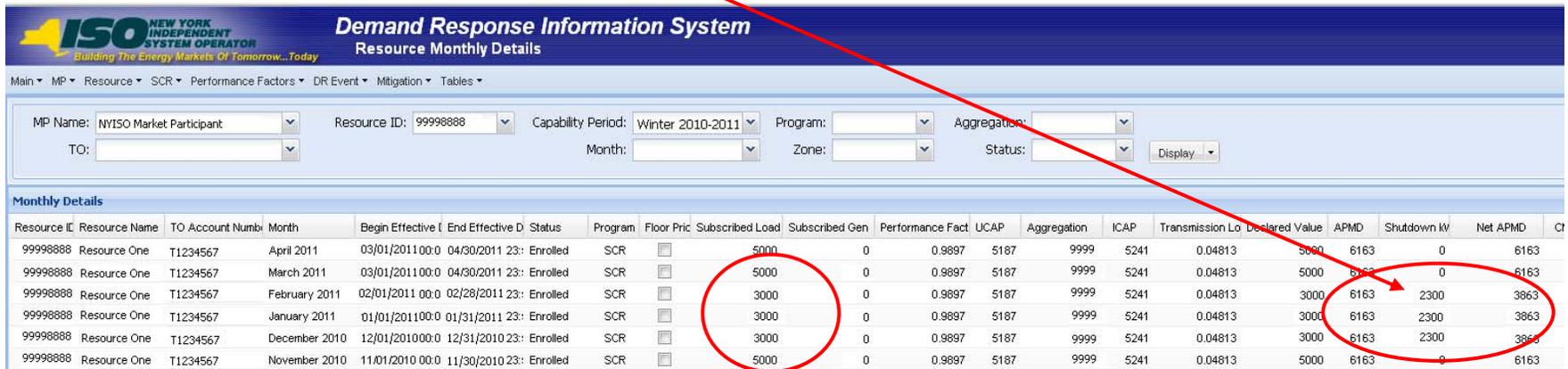


Resource ID	Resource Name	TO Account Number	Month	Begin Effective (End Effective D	Status	Program	Floor Pric	Subscribed Load	Subscribed Gen	Performance Fact	UCAP	Aggregation	ICAP	Transmission Lo	Declared Value	APMD	Shutdown kW	Net APMD	CT
99998888	Resource One	T1234567	April 2011	03/01/2011 00:0	04/30/2011 23:	Enrolled	SCR	<input type="checkbox"/>	5000	0	0.9897	5187	9999	5241	0.04813	5000	6163	0	6163	
99998888	Resource One	T1234567	March 2011	03/01/2011 00:0	04/30/2011 23:	Enrolled	SCR	<input type="checkbox"/>	5000	0	0.9897	5187	9999	5241	0.04813	5000	6163	0	6163	
99998888	Resource One	T1234567	February 2011	02/01/2011 00:0	02/28/2011 23:	Enrolled	SCR	<input type="checkbox"/>	3000	0	0.9897	5187	9999	5241	0.04813	3000	6163	2300	3863	
99998888	Resource One	T1234567	January 2011	01/01/2011 00:0	01/31/2011 23:	Enrolled	SCR	<input type="checkbox"/>	3000	0	0.9897	5187	9999	5241	0.04813	3000	6163	2300	3863	
99998888	Resource One	T1234567	December 2010	12/01/2010 00:0	12/31/2010 23:	Enrolled	SCR	<input type="checkbox"/>	3000	0	0.9897	5187	9999	5241	0.04813	3000	6163	2300	3863	
99998888	Resource One	T1234567	November 2010	11/01/2010 00:0	11/30/2010 23:	Enrolled	SCR	<input type="checkbox"/>	5000	0	0.9897	5187	9999	5241	0.04813	5000	6163	0	6163	

Change of Status during Winter '09-'10

- ◆ Shutdown kW values submitted on the enrollment file are reflected on a monthly level in DRIS
- ◆ During a Change in Status, Declared Value must also be updated on the enrollment file corresponding to the Shutdown kW

Auction Month	Shutdown Value Submitted on Enrollment File	Action Required by MP	No Action Required by MP
November 2010	0		Default value in DRIS, no action required
December 2010	2300	Shutdown STARTS, MP enter kW value	
January 2011	2300	Shutdown continues, MP enter kW value	
February 2011	2300	Shutdown continues, MP enter kW value	
March 2011	0	Shutdown ENDS, MP sets back to 0	
April 2011	0		Default value in DRIS, no action required



Demand Response Information System
Resource Monthly Details

MP Name: NYISO Market Participant | Resource ID: 99998888 | Capability Period: Winter 2010-2011 | Program: | Aggregation: | TO: | Month: | Zone: | Status: | Display

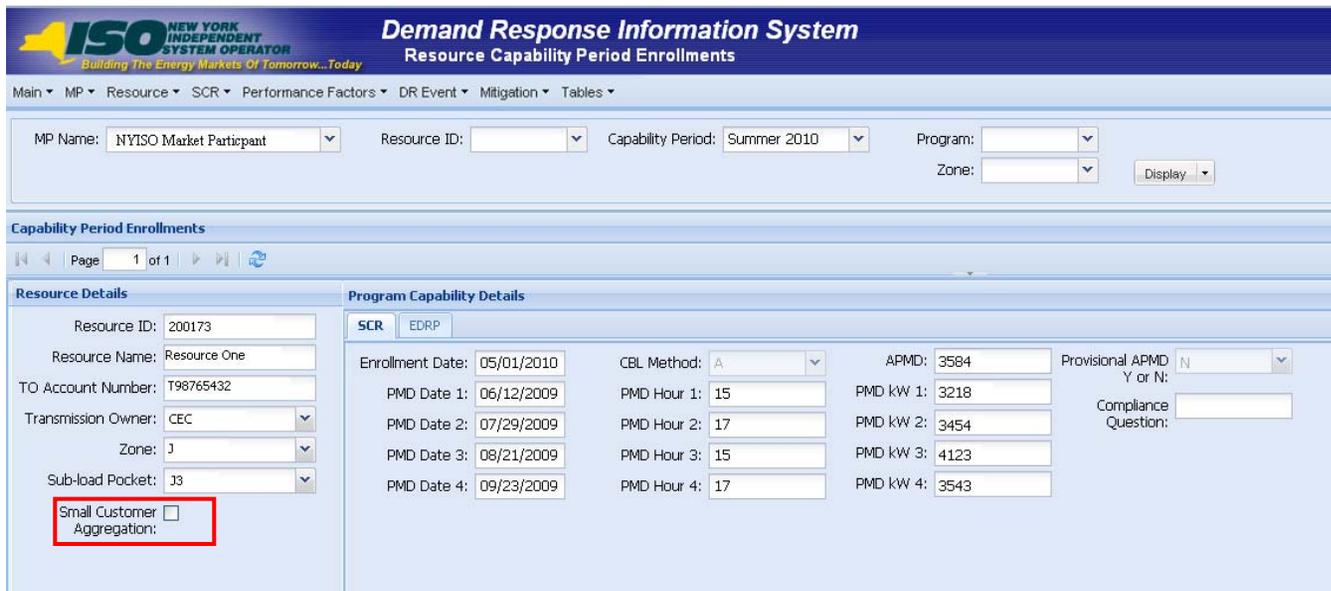
Resource ID	Resource Name	TO Account Number	Month	Begin Effective D	End Effective D	Status	Program	Floor Pric	Subscribed Load	Subscribed Gen	Performance Fact	UCAP	Aggregation	ICAP	Transmission Lo	Declared Value	APMD	Shutdown kW	Net APMD	CT
99998888	Resource One	T1234567	April 2011	03/01/2011 00:00	04/30/2011 23:59	Enrolled	SCR		5000	0	0.9897	5187	9999	5241	0.04813	5000	6163	0	6163	
99998888	Resource One	T1234567	March 2011	03/01/2011 00:00	04/30/2011 23:59	Enrolled	SCR		5000	0	0.9897	5187	9999	5241	0.04813	5000	6163	0	6163	
99998888	Resource One	T1234567	February 2011	02/01/2011 00:00	02/28/2011 23:59	Enrolled	SCR		3000	0	0.9897	5187	9999	5241	0.04813	3000	6163	2300	3863	
99998888	Resource One	T1234567	January 2011	01/01/2011 00:00	01/31/2011 23:59	Enrolled	SCR		3000	0	0.9897	5187	9999	5241	0.04813	3000	6163	2300	3863	
99998888	Resource One	T1234567	December 2010	12/01/2010 00:00	12/31/2010 23:59	Enrolled	SCR		3000	0	0.9897	5187	9999	5241	0.04813	3000	6163	2300	3863	
99998888	Resource One	T1234567	November 2010	11/01/2010 00:00	11/30/2010 23:59	Enrolled	SCR		5000	0	0.9897	5187	9999	5241	0.04813	5000	6163	0	6163	

Small Customer Aggregation: New field on the Resource Details Screen

- *Small Customer Aggregation Indicator – set by NYISO*
- *Enrollment Import – data submission same as SCR resource*
- *Event Response Import – data submission must be imported into DRIS and additional supporting data sent directly to Auxiliary Market Operations*



Select Capability Period Enrollments from the Resource menu



A screenshot of the NYISO Demand Response Information System showing the 'Resource Details' screen. The 'Small Customer Aggregation' checkbox is highlighted with a red box.

Resource Details

Resource ID: 200173
 Resource Name: Resource One
 TO Account Number: T98765432
 Transmission Owner: CEC
 Zone: J
 Sub-load Pocket: J3
 Small Customer Aggregation:

Program Capability Details

SCR | EDRP

Enrollment Date: 05/01/2010
 CBL Method: A
 APMD: 3584
 Provisional APMD Y or N: N
 PMD Date 1: 06/12/2009
 PMD Hour 1: 15
 PMD kW 1: 3218
 PMD Date 2: 07/29/2009
 PMD Hour 2: 17
 PMD kW 2: 3454
 PMD Date 3: 08/21/2009
 PMD Hour 3: 15
 PMD kW 3: 4123
 PMD Date 4: 09/23/2009
 PMD Hour 4: 17
 PMD kW 4: 3543
 Compliance Question:

DRIS Import File Format

- ◆ Perform DRIS Imports using .CSV or .XLS

- ◆ All import files can now be imported as Excel files
 - *SCR Enrollment File*
 - *EDRP Enrollment File*
 - *Resource Auction Sales File*
 - *Event Response File*

- ◆ NYISO provided imports will be posted as Excel templates and .CSV templates on the NYISO website

Import Exception Report

◆ Import Results Report

- *Continue to display Exceptions*
- *After deployment will also display reasons for Pendings*
- *After deployment will also display Alerts*
 - (see presentation Section 4: Resources with Potential Offer Floor)

	A	B	C	D	E
1	File Names\ImportTest2.csv				
2	MP Name\NYISO Market Participant				
3	User				
4	Upload Type	SCR_RESOURCE			
5	Capability Period	Winter 2010-2011			
6	Auction Month	Jan-11			
7	Start Date of Import	12/07/2010 12:44:11 EST			
8	End Date of Import	12/07/2010 12:44:25 EST			
9	Records in File	10			
10	Records Saved	6			
11	Records Pending Approval	1			
12	Records With Exceptions	3			
13	Records With Energy Payment	0			
14	Records With Potential Mitigation	1			
15	Records With No Change in DRIS	0			
16					
17	Reference #	Message Type	Field	Value Supplied	Message
18	Resource ID: 200806	Alert	Resource ID	200806	ALERT: Resource 200806 is new to Zone J and may be subject to mitigation. Completed SCR paperwork must be sent to NYISO Market Monitoring.
19					
20					
21	Resource ID: 22998765	Exception	Generation Type ID	100	100 is not a valid Generation Type ID
22	Resource ID: 22998766	Exception	Subscribed Load	null	For Response Type C or B, Subscribed Load value must be greater than or equal to zero
23	Resource ID: 33498767	Exception	Declared Value	11400	The Declared Value 11400 cannot be greater than the calculated APMD 10480
24					
25					
26	Resource ID: 32099890	Pending	Street	300 Oak Ave	Detected Monitored Field Change: Old Value: '300 Elm Street' New Value: '300 Oak Ave'. Creating an Enrollment Request
27					



The New York Independent System Operator (NYISO) is a not-for-profit corporation that began operations in 1999. The NYISO operates New York's bulk electricity grid, administers the state's wholesale electricity markets, and provides comprehensive reliability planning for the state's bulk electricity system.

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