



Demand Response Information System (DRIS) Training for June 2010 Deployment Part 6 – Other DRIS Operations

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New York Independent System Operator

May 11, 2010 1:00 pm – 4:00 pm
May 17, 2010 1:00 pm – 4:00 pm (Webex only)
June 8, 2010 9:00 am – 12:00 pm

Rensselaer, NY

Training Topics

- ◆ Part 1: Introduction to DRIS
 - *DRIS User Requirements*
 - *Accessing DRIS*
 - *DRIS User Interface features*
 - *Terminology*
 - *Dashboard*
 - *DRIS Calendar*
 - *SCR and EDRP Activity Timelines*
- ◆ Part 2: Imports and Exports
- ◆ Part 3: Resource Import File
 - *Import Exceptions*
- ◆ Part 4: Post-Import Operations
 - *View Pending Records*
- ◆ Part 5: Aggregations
 - *Requesting Aggregation IDs*
 - *Aggregation Management*
 - *Strike Price*
- ◆ Part 6: Other DRIS Operations
 - *UCAP Report*
 - *Viewing Resource Information*
- ◆ Part 7: Training, Market Trials and Deployment
 - *Additional DRIS Training sessions for June Deployment*
 - *Market Trials*
 - *Deployment*

UCAP Report

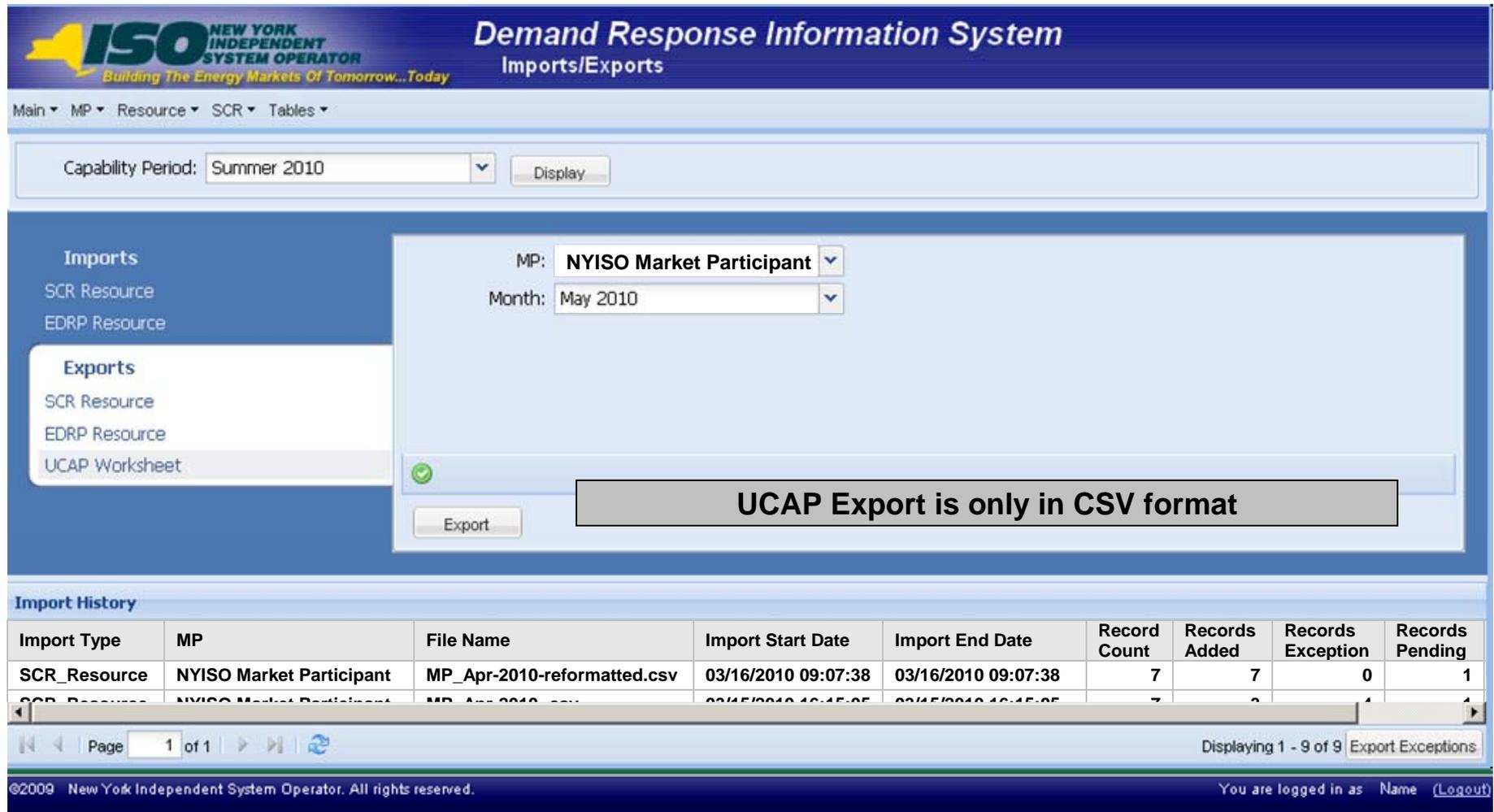
- ◆ DRIS Calendar Event
 - *View through Dashboard*
 - OR
 - *MP -> Event Calendar*



- ◆ Exports as CSV
 - *Creates file with naming convention:*
 - UCAP_month_mm-dd-yyyy (#).csv
 - Month = Auction Month
 - mm-dd-yyyy = export date
 - If multiple exports occur on the same date, version in parantheses (#) is added to the file name
 - *Exports to download folder as specified in user's browser settings*

Name	Size	Type	Date Modified
UCAP_May_2010_05-10-2010(2).csv	1 KB	Microsoft Office Exc...	5/10/2010 11:29 AM
UCAP_May_2010_05-10-2010(3).csv	1 KB	Microsoft Office Exc...	5/10/2010 11:29 AM
UCAP_May_2010_05-10-2010.csv	1 KB	Microsoft Office Exc...	5/10/2010 11:29 AM

UCAP Export Screen



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Demand Response Information System
Imports/Exports

Main ▾ MP ▾ Resource ▾ SCR ▾ Tables ▾

Capability Period: Summer 2010

Imports
SCR Resource
EDRP Resource

Exports
SCR Resource
EDRP Resource
UCAP Worksheet

MP: NYISO Market Participant ▾
Month: May 2010 ▾

UCAP Export is only in CSV format

Import History

Import Type	MP	File Name	Import Start Date	Import End Date	Record Count	Records Added	Records Exception	Records Pending
SCR_Resource	NYISO Market Participant	MP_Apr-2010-reformatted.csv	03/16/2010 09:07:38	03/16/2010 09:07:38	7	7	0	1
SCR_Resource	NYISO Market Participant	MP_Apr-2010-reformatted.csv	03/15/2010 10:45:05	03/15/2010 10:45:05	7	7	0	1

Page 1 of 1 Displaying 1 - 9 of 9

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UCAP Export File

1	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	
2																													
3	Sub Date	Dem Year	Dem S	Effective S	Aggregatio	RIP	RIP Name	Resource Name	Zone	Locality	Resource Id	Meter	Account	Type	TLF	Peak 1	Peak 2	Peak 3	Peak 4	Declared	APMD	CMD	ICAP	Strike Pr	P_Factor	UCAP kW	UCAP MW	Total Amount Sold in A	
4	5/7/2010	2010	Summer	5/1/2010	13394	199	NYISO Market Participant	First Resource Name	J	NYC	20901473		10000000000	B	0.04813	1200	1200	1200	1200	860	1200	340	948.634	500	0.9502	860			
5	5/7/2010	2010	Summer	5/1/2010	13394	199	NYISO Market Participant	Generic SCR Resource	J	NYC	21151190		5000000000	C	0.01214	5000	5000	5000	5000	3200	5000	1800	3404.297	500	0.9514	3200			
6	5/7/2010	2010	Summer	5/1/2010	13394	199	NYISO Market Participant	SCR Research	J	NYC	26300191		70000000000	B	0.01214	3500	3500	3500	3500	2940	3500	560	2982.850	500	0.9976	2940			
7					13394				J														Aggregate 13394 - J			7000		7.0	
8																													
9																													
10	5/7/2010	2010	Summer	5/1/2010	16680	199	NYISO Market Participant	SCR Office Building	J	NYC	21139788		4000000000000000	C	0.04813	700	700	700	700	550	700	150	615.100	500	0.9372	550			
11	5/7/2010	2010	Summer	5/1/2010	16680	199	NYISO Market Participant	Resoure Group	J	NYC	21311202		600000000000	B	0.04813	2300	2300	2300	2300	1000	2300	1300	1049.074	500	0.9991	1000			
12	5/7/2010	2010	Summer	5/1/2010	16680	199	NYISO Market Participant	Resource Associates	J	NYC	30025743		4000000000000013	C	0.01214	7500	7500	7500	7500	5420	7500	2080	5588.630	500	0.9816	5420			
13	5/7/2010	2010	Summer	5/1/2010	16680	199	NYISO Market Participant	SCR Bakery	J	NYC	30214783		7000000000000003	B	0.04813	130	130	130	130	30	130	100	31.765	500	0.9899	30			
14					16680				J														Aggregate 16680 - J			7000		7.0	
15																													
16																													
17	5/7/2010	2010	Summer	5/1/2010	32109	199	NYISO Market Participant	SCR Hospital	J	NYC	21142940		2900000000000008	B	0.04813	5000	5000	5000	5000	2880	5000	2120	3112.936	500	0.9697	2880			
18	5/7/2010	2010	Summer	5/1/2010	32109	199	NYISO Market Participant	Integrated Resources	J	NYC	30491005		2900000000000019	B	0.04813	1800	1800	1800	1800	721	1800	1079	760.952	500	0.9931	721			
19	5/7/2010	2010	Summer	5/1/2010	32109	199	NYISO Market Participant	Industrial SCR	J	NYC	32106024		2900000000000056	C	0	28000	28000	28000	28000	12000	28000	16000	12441.680	500	0.9645	12000			
20					32109				J														Aggregate 32109 - J			15601		15.6	
21																													
22																													
23	RIP P_Factor																												
24	Summer																												
25	2010																												
26	0.9873																												
27																													
28	Resource(s) listed below have a status of separated.																												
29	5/7/2010	2010	Summer	5/1/2010	21745	199	NYISO Market Participant	SCR Multi-Family	J	NYC	26001891		4900000000000016	B															
30	5/7/2010	2010	Summer	5/1/2010	21745	199	NYISO Market Participant	SCR Consolidated	J	NYC	30026074		2900000000000011	C															
31																													

UCAP Export File – Detail 1

	A	B	C	D	E	F	G	H	I	J	K	L	M
1													
2													
3	Sub Date	Dem Year	Dem S	Effective S	Aggregatio	RIP	RIP Name	Resource Name	Zone	Locality	Resource Id	Meter	Account
4	5/7/2010	2010	Summer	5/1/2010	13394	199	NYISO Market Participant	First Resource Name	J	NYC	20901473		10000000000
5	5/7/2010	2010	Summer	5/1/2010	13394	199	NYISO Market Participant	Generic SCR Resource	J	NYC	21151190		50000000000
6	5/7/2010	2010	Summer	5/1/2010	13394	199	NYISO Market Participant	SCR Research	J	NYC	26300191		70000000000
7					13394				J				
8													
9													
10	5/7/2010	2010	Summer	5/1/2010	16680	199	NYISO Market Participant	SCR Office Building	J	NYC	21139788		400000000000000
11	5/7/2010	2010	Summer	5/1/2010	16680	199	NYISO Market Participant	Resoure Group	J	NYC	21311202		60000000000
12	5/7/2010	2010	Summer	5/1/2010	16680	199	NYISO Market Participant	Resource Associates	J	NYC	30025743		400000000000013
13	5/7/2010	2010	Summer	5/1/2010	16680	199	NYISO Market Participant	SCR Bakery	J	NYC	30214783		700000000000003
14					16680				J				
15													
16													
17	5/7/2010	2010	Summer	5/1/2010	32109	199	NYISO Market Participant	SCR Hospital	J	NYC	21142940		290000000000008
18	5/7/2010	2010	Summer	5/1/2010	32109	199	NYISO Market Participant	Integrated Resources	J	NYC	30491005		290000000000019
19	5/7/2010	2010	Summer	5/1/2010	32109	199	NYISO Market Participant	Industrial SCR	J	NYC	32106024		290000000000056
20					32109				J				
21													
22													
23	RIP P_Factor												
24	Summer												
25	2010												
26	0.9873												
27													
28	Resource(s) listed below have a status of separated.												
29	5/7/2010	2010	Summer	5/1/2010	21745	199	NYISO Market Participant	SCR Multi-Family	J	NYC	26001891		490000000000016
30	5/7/2010	2010	Summer	5/1/2010	21745	199	NYISO Market Participant	SCR Consolidated	J	NYC	30026074		290000000000011
31													

UCAP Export File – Detail 2

M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB
Account	Type	TLF	Peak 1	Peak 2	Peak 3	Peak 4	Declared	APMD	CMD	ICAP	Strike Pr	P_Factor	UCAP kW	UCAP MW	Total Amount Sold in A
10000000000	B	0.04813	1200	1200	1200	1200	860	1200	340	948.634	500	0.9502	860		
50000000000	C	0.01214	5000	5000	5000	5000	3200	5000	1800	3404.297	500	0.9514	3200		
70000000000	B	0.01214	3500	3500	3500	3500	2940	3500	560	2982.850	500	0.9976	2940		
										Aggregate 13394 - J			7000	7.0	
40000000000000000000	C	0.04813	700	700	700	700	550	700	150	615.100	500	0.9372	550		
60000000000000000000	B	0.04813	2300	2300	2300	2300	1000	2300	1300	1049.074	500	0.9991	1000		
4000000000000000000013	C	0.01214	7500	7500	7500	7500	5420	7500	2080	5588.630	500	0.9816	5420		
7000000000000000000003	B	0.04813	130	130	130	130	30	130	100	31.765	500	0.9899	30		
										Aggregate 16680 - J			7000	7.0	
2900000000000000000008	B	0.04813	5000	5000	5000	5000	2880	5000	2120	3112.936	500	0.9697	2880		
29000000000000000000019	B	0.04813	1800	1800	1800	1800	721	1800	1079	760.952	500	0.9931	721		
29000000000000000000056	C	0	28000	28000	28000	28000	12000	28000	16000	12441.680	500	0.9645	12000		
										Aggregate 32109 - J			15601	15.6	
4900000000000000000016	B														
29000000000000000000011	C														

Account number column displayed as reference for detail view (only one Account column in UCAP export file)

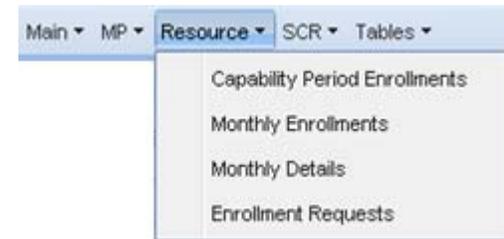
Viewing Resource Information

- ◆ Resource Menu

- *Capability Period Enrollments*
- *Monthly Enrollments*
- *Monthly Details*
- *Enrollment Requests*

- Same display as accessed from Dashboard when selecting “View Requests” button

- ◆ Procedure for Separating Resources



Capability Period Enrollment Filters

Find Resource ID by typing it or using one of the cascading drop-down lists



Demand Response Information System
Resource Capability Period Enrollments

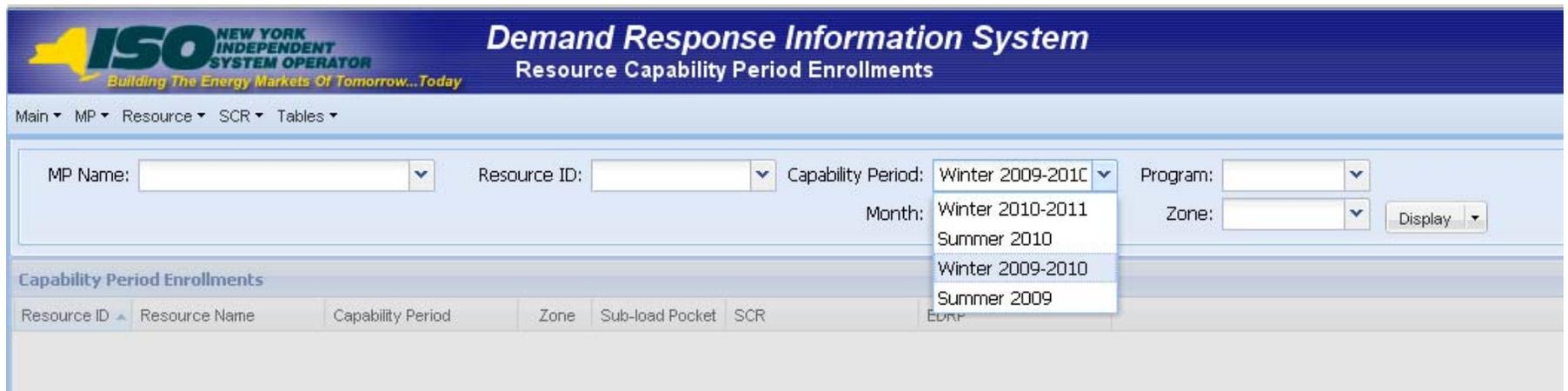
Main ▾ MP ▾ Resource ▾ SCR ▾ Tables ▾

MP Name: Resource ID: Capability Period: Winter 2009-2010 Program:
 Month: April 2010 Zone: Display

Resource ID dropdown menu options:
 Resource ID
 Resource Name
 TO Account Number

Resource ID	Resource Name	Capability Period	Zone	Sub-load Pocket	SCR	EDRP

Specify the Capability Period Enrollment information to display



Demand Response Information System
Resource Capability Period Enrollments

Main ▾ MP ▾ Resource ▾ SCR ▾ Tables ▾

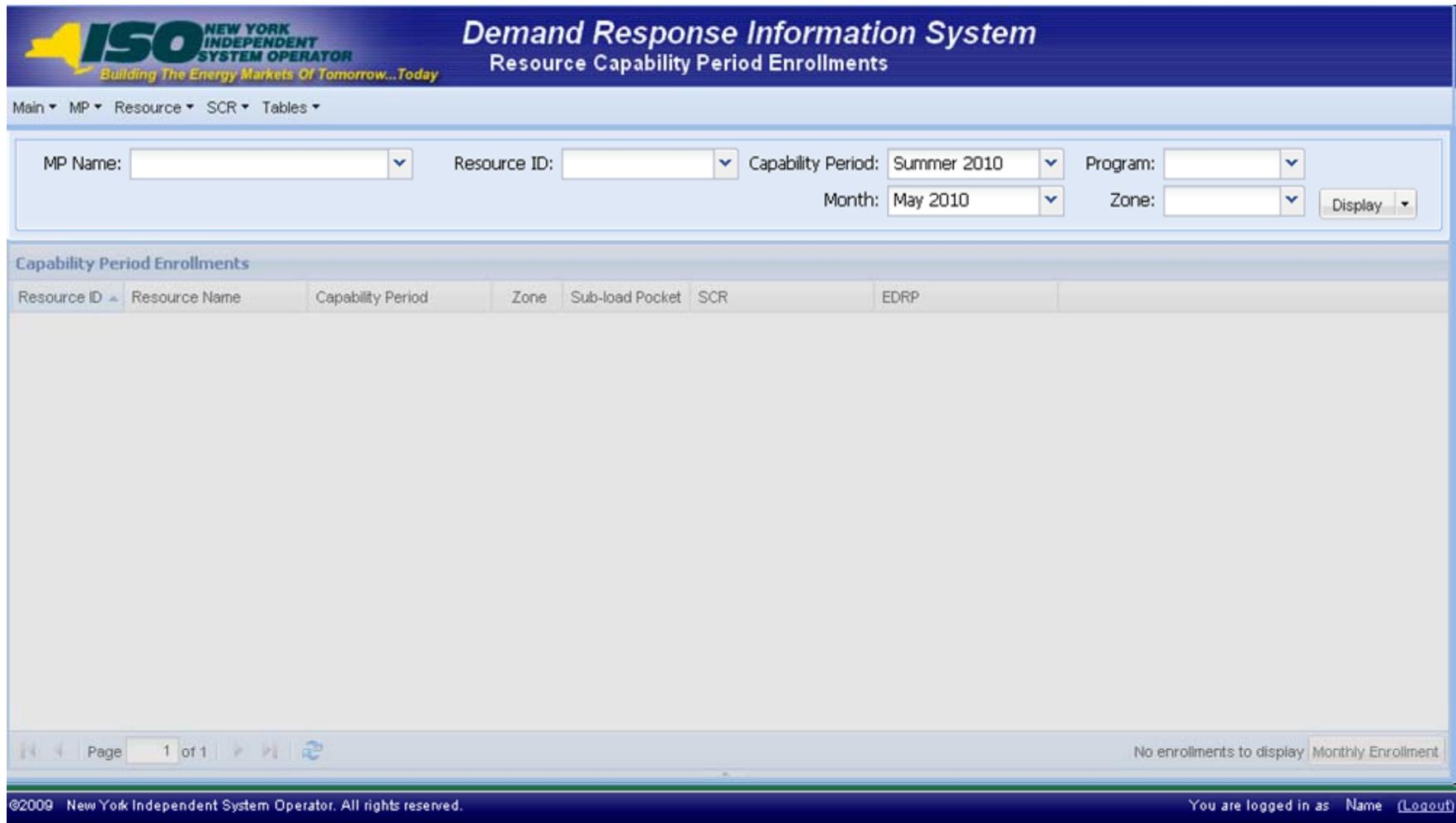
MP Name: Resource ID: Capability Period: Winter 2009-2010 Program:
 Month: Winter 2010-2011 Zone: Display

Capability Period dropdown menu options:
 Winter 2010-2011
 Summer 2010
 Winter 2009-2010
 Summer 2009

Resource ID	Resource Name	Capability Period	Zone	Sub-load Pocket	SCR	EDRP

Capability Period Enrollment Screen

After selecting Filter criteria, click on “Display”



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Demand Response Information System
Resource Capability Period Enrollments

Main ▾ MP ▾ Resource ▾ SCR ▾ Tables ▾

MP Name: Resource ID: Capability Period: Summer 2010 ▾ Program: ▾
Month: May 2010 ▾ Zone: ▾ Display ▾

Capability Period Enrollments

Resource ID	Resource Name	Capability Period	Zone	Sub-load Pocket	SCR	EDRP
-------------	---------------	-------------------	------	-----------------	-----	------

Page 1 of 1

No enrollments to display Monthly Enrollment

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Capability Period Resource Display


Demand Response Information System
Resource Capability Period Enrollments

Main ▾ MP ▾ Resource ▾ SCR ▾ Tables ▾

MP Name: <input type="text" value="NYISO Market Participant"/>	Resource ID: <input type="text"/>	Capability Period: <input type="text" value="Summer 2010"/>	Program: <input type="text"/>
	Month: <input type="text"/>	Zone: <input type="text"/>	<input type="button" value="Display"/>

Capability Period Enrollments

Resource Id	Resource Name	Capability Period	Zone	Sub-load Pocket	SCR	EDRP
20901473	First Resource Name	Summer 2010	J	J7	5/1/2010	
21151190	Generic SCR Resource	Summer 2010	J	J5	5/1/2010	
26300191	SCR Research	Summer 2010	J	J7	5/1/2010	
21139788	SCR Office Building	Summer 2010	J	J7	5/1/2010	
21311202	Resoure Group	Summer 2010	J	J5	5/1/2010	
30025743	Resource Associates	Summer 2010	J	J9	5/1/2010	
30214783	SCR Bakery	Summer 2010	J	J9	5/1/2010	
21142940	SCR Hospital	Summer 2010	J	J3	5/1/2010	
30491005	Integrated Resources	Summer 2010	J	J7	5/1/2010	
32106024	Industrial SCR	Summer 2010	J	J8	5/1/2010	

Page 1 of 1
Displaying 1 - 25 of 25 Monthly Enrollment

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Resource Enrollment for Capability Period

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Demand Response Information System
Resource Capability Period Enrollments

Main ▾ MP ▾ Resource ▾ SCR ▾ Tables ▾

MP Name: **IYISO Market Participant** ▾ Resource ID: ▾ Capability Period: Summer 2010 ▾ Program: ▾
Month: ▾ Zone: ▾ Display ▾

Capability Period Enrollments

Resource Id	Resource Name	Capability Period	Zone	Sub-load Pocket	SCR	EDRP
20901473	First Resource Name	Summer 2010	J	J7	5/1/2010	
21151190	Generic SCR Resource	Summer 2010	J	J5	5/1/2010	
26300191	SCR Research	Summer 2010	J	J7	5/1/2010	
21139788	SCR Office Building	Summer 2010	J	J7	5/1/2010	
21311202	Resource Group	Summer 2010	J	J5	5/1/2010	

Page 1 of 1

Displaying 1 - 25 of 25 Monthly Enrollment

Click "Monthly Enrollment" to see current monthly values

Resource Details

Resource ID: 20901473
Resource Name: First Resource Name
TO Account Number: 1000000000
Transmission Owner: CEC ▾
Zone: J ▾
Sub-load Pocket: ▾

Program Capability Details

SCR | EDRP

Enrollment Date: 05/01/2010
CBL Method: A ▾
Performance Factor: 0.9502
APMD: 1200
Provisional APMD Y or N: N ▾
Compliance Question: N

PMD Date 1: 06/12/2009
PMD Hour 1: 15
PMD kW 1: 1200

PMD Date 2: 07/29/2009
PMD Hour 2: 17
PMD kW 2: 1200

PMD Date 3: 08/21/2009
PMD Hour 3: 15
PMD kW 3: 1200

PMD Date 4: 09/23/2009
PMD Hour 4: 17
PMD kW 4: 1200

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Monthly View


Demand Response Information System
Resource Monthly Enrollments

Main ▾ MP ▾ Resource ▾ SCR ▾ Tables ▾

MP Name: Resource ID: Capability Period: Program: Aggregation: Month: Zone: Status:

Monthly Enrollments

Resource Id	Resource Name	Capability Period	Zone	Sub-load Pocket	Begin Effective Date	End Effective Date	Program	Response Type	Subscribed Load	Subscribed Gen	Aggregation
20901473	First Resource Name	Summer 2010	J	J7	5/1/2010	10/31/2010	SCR	B	360	500	13394

- Click buttons below to:
 - View Capability Period Enrollments
 - Separate the displayed Resource
 - View Enrollment Details

Displaying 1 - 1 of 1

Displaying 1 - 1 of 1

Page 1 of 1

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Separating Resources

- ◆ Process for disassociating resources from a RIP (SCR) or CSP (EDRP)
- ◆ Use the button on the Monthly Enrollment View
 - *The status of the Resource changes to “Separated” (see Enrollment Details Display on next slide)*
 - *To view the status, click the “View Enrollment Details” button*
- ◆ A separated resource may be re-enrolled by submitting the resource information through an import file

Full Details View – Part 1


Demand Response Information System
Resource Monthly Details

Main ▾ MP ▾ Resource ▾ SCR ▾ Tables ▾

MP Name: Resource ID: Capability Period: Program: Aggregation:

TO: Resource Filter: Month: Zone: Status:

SCR Monthly Details

Resource Id	Resource Name	TO Account Number	Month	Begin Effective Date	End Effective Date	Program	Status	Subscribed Load	Subscribed Gen	Performance Factor	UCAP	Aggregation	ICA
20901473	First Resource Name	10000000000	October 2010	5/1/2010	10/31/2010	SCR	Approved	360	500	0.9502	860	13394	
20901473	First Resource Name	10000000000	September 2010	5/1/2010	10/31/2010	SCR	Approved	360	500	0.9502	860	13394	
20901473	First Resource Name	10000000000	August 2010	5/1/2010	10/31/2010	SCR	Approved	360	500	0.9502	860	13394	
20901473	First Resource Name	10000000000	July 2010	5/1/2010	10/31/2010	SCR	Approved	360	500	0.9502	860	13394	
20901473	First Resource Name	10000000000	June 2010	5/1/2010	10/31/2010	SCR	Approved	360	500	0.9502	860	13394	
20901473	First Resource Name	10000000000	May 2010	5/1/2010	10/31/2010	SCR	Approved	360	500	0.9502	860	13394	

Page 1 of 1 Displaying 1 - 6 of 6 Capability Period Enrollment

Full Details View – Part 2


Demand Response Information System
Resource Monthly Details

Main ▶ MP ▶ Resource ▶ SCR ▶ Tables ▶

MP Name: **NYISO Market Participant** Resource ID: **20901473** Capability Period: Summer 2010 Program: SCR Aggregation: **13394**
 TO: Resource Filter: Month: Zone: J Status: Enrolled Display

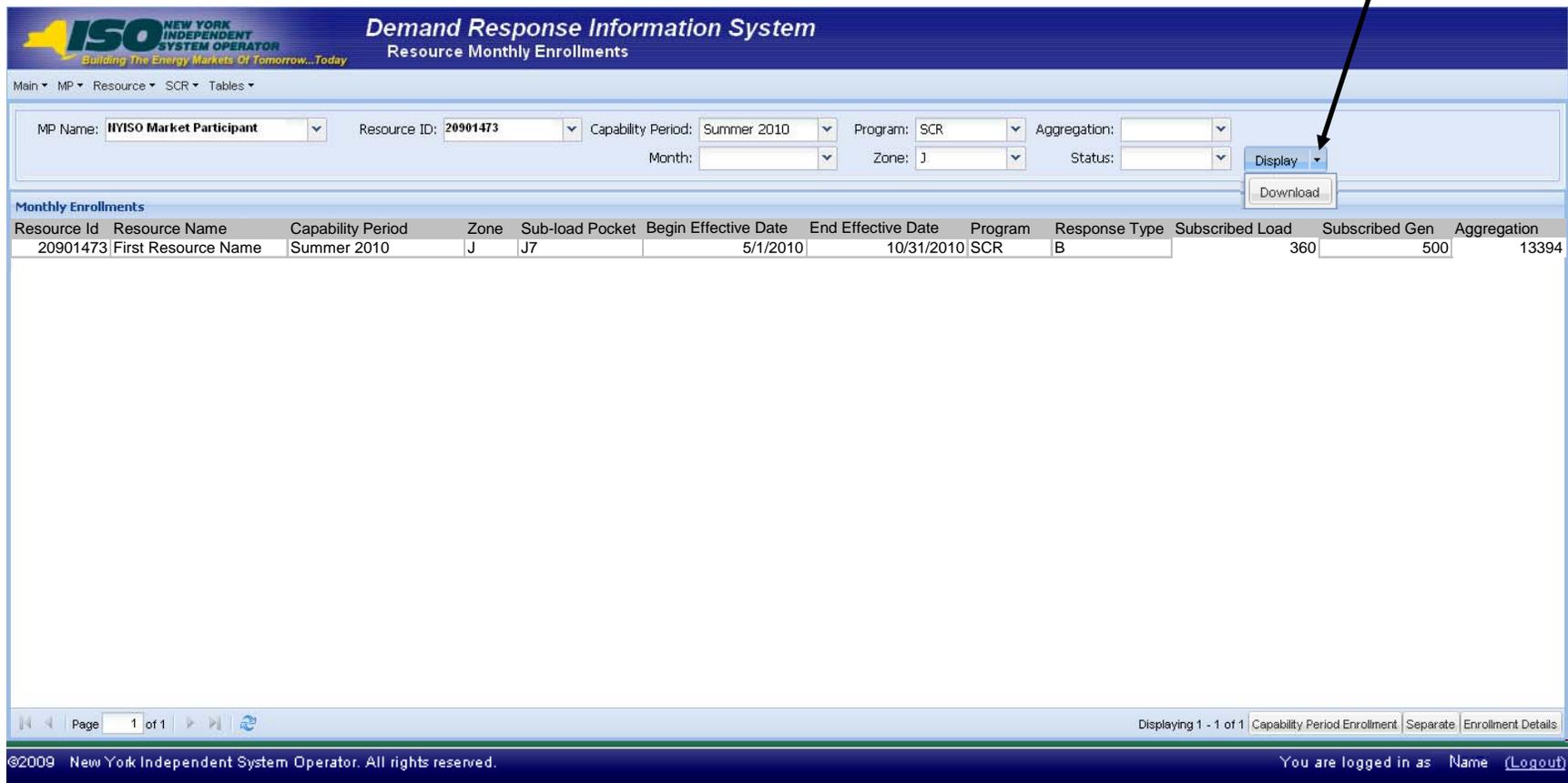
SCR Monthly Details

Declared Value	APMD	CMD	Response Type	Generator Type	Generator Rating	TO - Voltage Level	Stirke Price	Zone	Sub-load Pocket	Facility Street 1	Facility Street 2	City	State	Zip
860	1200	340	B	1	500	CEC - High Tension	500	J	J7	123 West 1st Street		New York	NY	11101
860	1200	340	B	1	500	CEC - High Tension	500	J	J7	123 West 1st Street		New York	NY	11101
860	1200	340	B	1	500	CEC - High Tension	500	J	J7	123 West 1st Street		New York	NY	11101
860	1200	340	B	1	500	CEC - High Tension	500	J	J7	123 West 1st Street		New York	NY	11101
860	1200	340	B	1	500	CEC - High Tension	500	J	J7	123 West 1st Street		New York	NY	11101
860	1200	340	B	1	500	CEC - High Tension	500	J	J7	123 West 1st Street		New York	NY	11101

Page 1 of 1 Displaying 1 - 6 of 6 Capability Period

To Download Resource Details

- ◆ Click the arrow next to the “Display” button
- ◆ Click “Download”



Demand Response Information System
Resource Monthly Enrollments

Main ▾ MP ▾ Resource ▾ SCR ▾ Tables ▾

MP Name: Resource ID: Capability Period: Program: Aggregation: Month: Zone: Status:

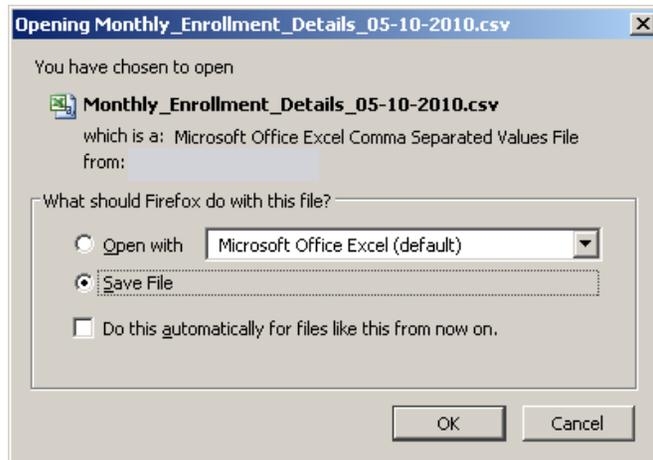
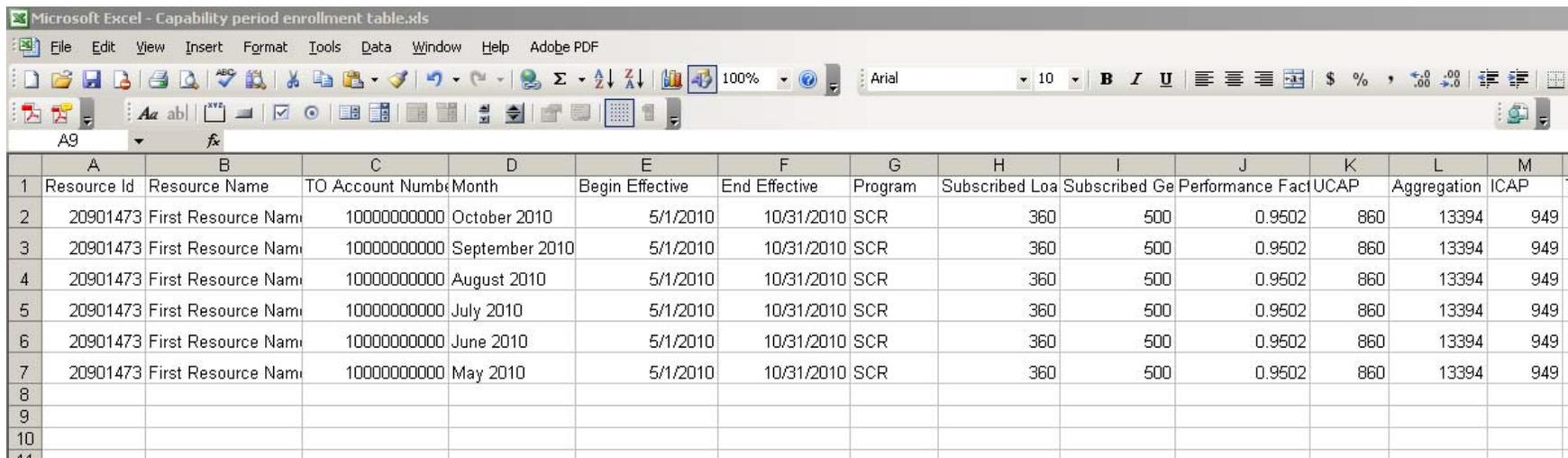
Resource Id	Resource Name	Capability Period	Zone	Sub-load Pocket	Begin Effective Date	End Effective Date	Program	Response Type	Subscribed Load	Subscribed Gen	Aggregation
20901473	First Resource Name	Summer 2010	J	J7	5/1/2010	10/31/2010	SCR	B	360	500	13394

Page 1 of 1

Displaying 1 - 1 of 1 | Capability Period Enrollment | Separate | Enrollment Details

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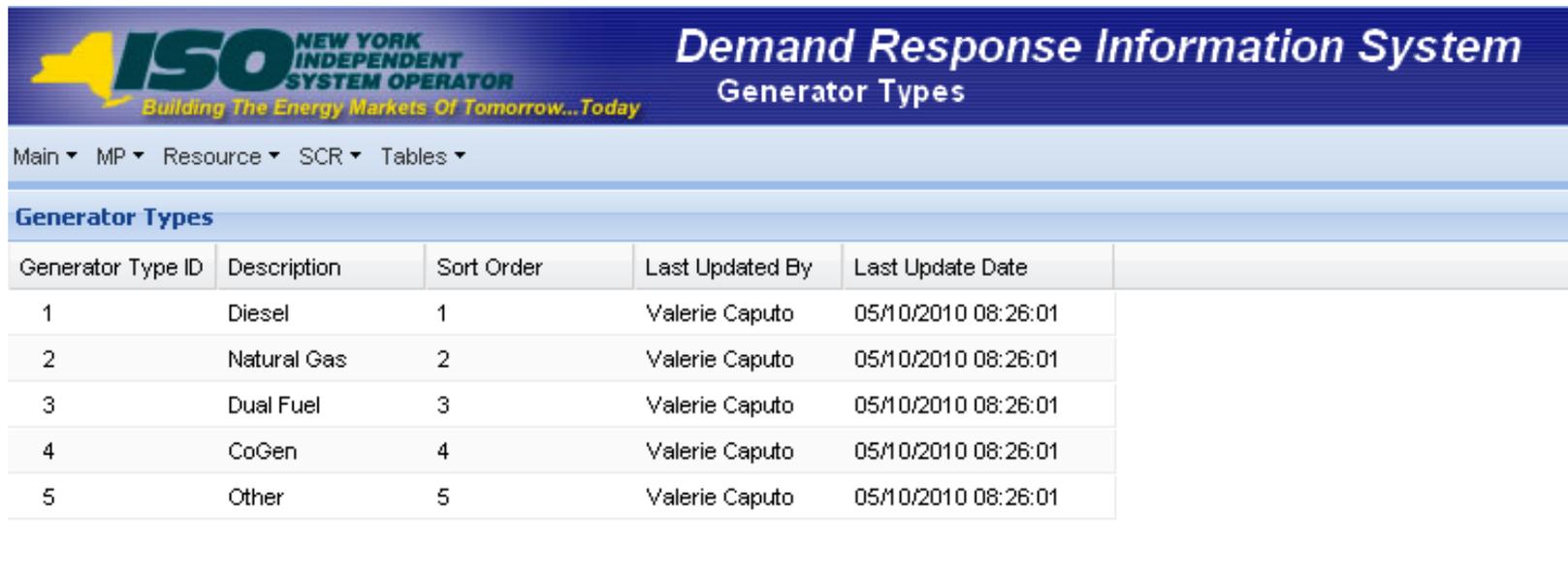
Download Monthly Enrollment Details

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Resource Id	Resource Name	TO Account Numbr	Month	Begin Effective	End Effective	Program	Subscribed Loa	Subscribed Ge	Performance Fact	UCAP	Aggregation	ICAP
2	20901473	First Resource Nam	10000000000	October 2010	5/1/2010	10/31/2010	SCR	360	500	0.9502	860	13394	949
3	20901473	First Resource Nam	10000000000	September 2010	5/1/2010	10/31/2010	SCR	360	500	0.9502	860	13394	949
4	20901473	First Resource Nam	10000000000	August 2010	5/1/2010	10/31/2010	SCR	360	500	0.9502	860	13394	949
5	20901473	First Resource Nam	10000000000	July 2010	5/1/2010	10/31/2010	SCR	360	500	0.9502	860	13394	949
6	20901473	First Resource Nam	10000000000	June 2010	5/1/2010	10/31/2010	SCR	360	500	0.9502	860	13394	949
7	20901473	First Resource Nam	10000000000	May 2010	5/1/2010	10/31/2010	SCR	360	500	0.9502	860	13394	949
8													
9													
10													
11													

Generator Types

- ◆ Use the Generator Type ID in import files

A screenshot of a web application interface. At the top left is the ISO logo with the tagline "Building The Energy Markets Of Tomorrow...Today". To the right, the page title "Demand Response Information System Generator Types" is displayed. Below the title is a navigation menu with items: "Main", "MP", "Resource", "SCR", and "Tables". The main content area is titled "Generator Types" and contains a table with five columns: "Generator Type ID", "Description", "Sort Order", "Last Updated By", and "Last Update Date". The table lists five generator types: Diesel (ID 1), Natural Gas (ID 2), Dual Fuel (ID 3), CoGen (ID 4), and Other (ID 5). All entries were last updated by Valerie Caputo on 05/10/2010 at 08:26:01.

Generator Type ID	Description	Sort Order	Last Updated By	Last Update Date
1	Diesel	1	Valerie Caputo	05/10/2010 08:26:01
2	Natural Gas	2	Valerie Caputo	05/10/2010 08:26:01
3	Dual Fuel	3	Valerie Caputo	05/10/2010 08:26:01
4	CoGen	4	Valerie Caputo	05/10/2010 08:26:01
5	Other	5	Valerie Caputo	05/10/2010 08:26:01

Transmission Loss Factor Types

- ◆ Use the Transmission Loss Factor Type in import files

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Demand Response Information System
Transmission Loss Factors

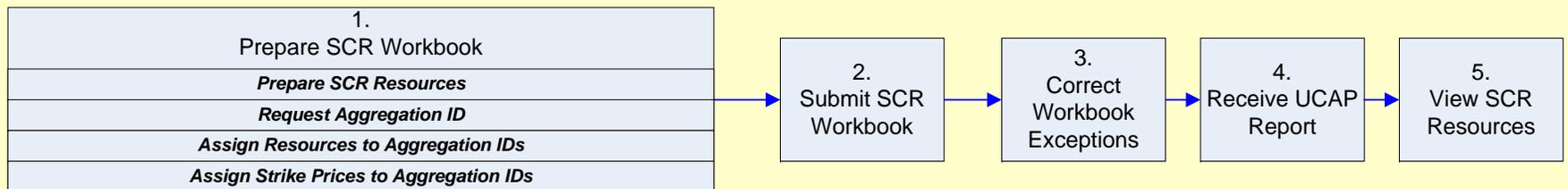
Main ▾ MP ▾ Resource ▾ SCR ▾ Tables ▾

Transmission Loss Factors

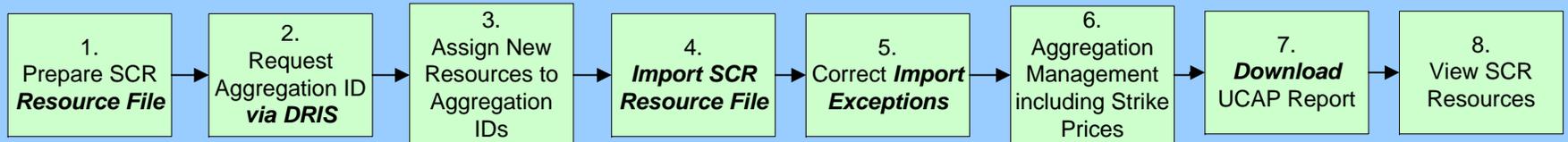
Voltage Level ID	Transmission Owner	Voltage Level Description	Voltage Level Range	Transmission Loss Factor ID	Transmission Loss Factor	Begin Effective Date	End Effective Date	Last Update Date
6	CEC	High Tension	>= 600 V, < 35 kV	6	0.01214	11/01/2008 00:00:00		11/12/2009 15:12:29
5	CEC	Low Tension	< 600 V	5	0.04813	11/01/2008 00:00:00		11/12/2009 15:12:29
7	CEC	Transmission	> 35 kV	7	0	11/01/2008 00:00:00		11/12/2009 15:12:29
13	CHG	Primary	< 69 kV	13	0.042	11/01/2008 00:00:00		11/12/2009 15:12:29
12	CHG	Secondary	< 69 kV	12	0.042	11/01/2008 00:00:00		11/12/2009 15:12:29
14	CHG	Subtransmission	>= 69 kV	14	0.01	11/01/2008 00:00:00		11/12/2009 15:12:29
15	CHG	Transmission	>= 69 kV	15	0.01	11/01/2008 00:00:00		11/12/2009 15:12:29
2	LIP	Primary	>=2.4 kV, <23 kV	2	0.0494	11/01/2008 00:00:00		11/12/2009 15:12:29
1	LIP	Secondary	>=110V, <2.4 kV	1	0.0894	11/01/2008 00:00:00		11/12/2009 15:12:29
3	LIP	Subtransmission	>=23 kV, <69 kV	3	0.0181	11/01/2008 00:00:00		11/12/2009 15:12:29
4	LIP	Transmission	>=69 kV	4	0	11/01/2008 00:00:00		11/12/2009 15:12:29
17	NMP	Primary	2.2-15 kV	17	0.0694	11/01/2008 00:00:00		11/12/2009 15:12:29
16	NMP	Secondary	0-2.2 kV	16	0.0918	11/01/2008 00:00:00		11/12/2009 15:12:29
18	NMP	Subtransmission	22-50 kV	18	0.053	11/01/2008 00:00:00		11/12/2009 15:12:29
19	NMP	Transmission	>= 60 kV	19	0.0267	11/01/2008 00:00:00		11/12/2009 15:12:29
21	NYS	Primary	>=2400, <35 kV (regulated)	21	0.048	11/01/2008 00:00:00		11/12/2009 15:12:29
20	NYS	Secondary	< 600 V	20	0.0738	11/01/2008 00:00:00		11/12/2009 15:12:29
22	NYS	Subtransmission	34.5 or 46 kV (Non-Regulated)	22	0.02	11/01/2008 00:00:00		11/12/2009 15:12:29
23	NYS	Transmission	115 kV and above (Non-Regulated)	23	0	11/01/2008 00:00:00		11/12/2009 15:12:29
9	ORU	Primary	>=2400, <35 kV (grounded-Wye)	9	0.07273	11/01/2008 00:00:00		11/12/2009 15:12:29
8	ORU	Secondary	< 600 V	8	0.0898	11/01/2008 00:00:00		11/12/2009 15:12:29
10	ORU	Substation	>=2400, <35 kV (grounded-Wye)	10	0.03027	11/01/2008 00:00:00		11/12/2009 15:12:29
11	ORU	Transmission	34.5 kV (delta), 69 kV or 138 kV	11	0.02711	11/01/2008 00:00:00		11/12/2009 15:12:29
25	RGE	Primary	>= 600 V	25	0.0468	11/01/2008 00:00:00		11/12/2009 15:12:29
24	RGE	Secondary	< 600 V	24	0.0648	11/01/2008 00:00:00		11/12/2009 15:12:29

Processing Overview Comparison

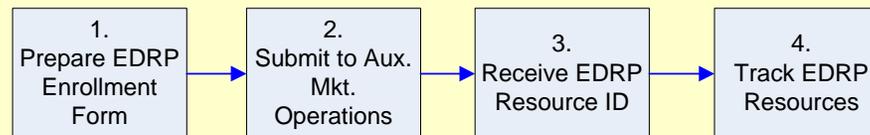
Manual – SCR Workbook Process



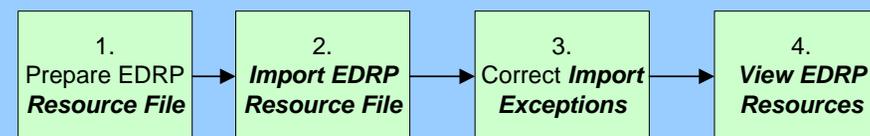
Automated – DRIS Process for SCR



Manual – EDRP Enrollment Process



Automated – DRIS Process for EDRP





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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