Part 1 – Introduction to DRIS
Demand Response Information System (DRIS) Training for September 2011 Deployment

Stacia Wilcox
New York Independent System Operator

Tuesday, August 30, 2011 10:00 am – 2:00 pm

Wednesday, September 7, 2011 10:00 am – 2:00 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
- Part 3: Background of SCR Baseline Implementation
- Part 4: Resource ACL
    - *SCR Load Zone Peak Hours*
    - *TO Add-back Hours*
    - *Enrollment with ACL*
    - *Summer 2011 ACL Verification*

- Part 5: Provisional ACL
    - *Enrollment with Provisional ACL*
    - *Provisional ACL Verification*
    - *Provisional ACL Deficiency*
- Part 6: RIP Deficiency
    - *Timeline*
    - *Calculation*
- Part 7: Aggregation PF
    - *Timeline*
    - *MP PF and SCR Program PF*
- Part 8: Deployment
    - *Additional Training Sessions*
    - *Deployment Activities*

DRIS User Requirements

- NYISO Digital Certificate
  - *Steps to NYISO website page:*
    - Markets & Operations ->Customer Support ->Digital Certificate Info
  - *NYISO website link:*
    - **https://cert.nyiso.com/domain-main.xuda?domainID=360b3b3b0a5d87283208f7c29ab7b14711b23b57**

- MIS User Account
  - *Contact your MIS Administrator*
  - *Request DRIS privileges*
    - DRIS Web UI MP User: Read and write capabilities
    - DRIS Web UI MP Read-Only User: Read-only capabilities
    - DRIS Web UI TO User: Read and write capabilities

DRIS Market Participant User Privileges

- ◆ Only one User Privilege should be Assigned to each user

- ◆ DRIS Web UI MP *Read-Only* User

  - ▪ *View, track, and extract from the system data specific to the user's organization, including organization enrollment, contact and performance factor data and data specific to the organization's resources, including resource enrollment, aggregation assignments, aggregation performance factor, strike price, UCAP data, allocation of partial sales, event responses, resource that may be subject to an Offer Floor price and load zone peak hours (as applicable based on the program(s) in which the organization has enrolled resources).*

- ◆ DRIS Web UI MP User

  - ▪ *All rights conferred by the DRIS Web UI MP Read-Only User privilege plus enroll organization and maintain organization contacts, and enroll and re-enroll resources; separate resources from a portfolio; cancel pending enrollment requests; submit resource event responses, and, for SCR resources, establish and manage aggregations and strike prices, allocate partial sales, report Summer 2011 ACL verification data, and report Provisional ACL verification data.*

DRIS Transmission Owner User Privilege

- ◆ DRIS Web UI TO User
  - ▪ *Import, view, track, and extract from the system data specific to the Transmission Owner's organization in regard to resource TO Add-back kWs, including view of SCR Load Zone Peak Hours, export of TO Add-back template, import of TO Add-back values by resource TO Account Number, and view of imported TO Add-back kW values by resource TO Account Number.*

DRIS User Privileges

DRIS Function	DRIS Web UI MP User	DRIS Web UI Read-Only MP User	DRIS Web UI TO User
View SCR Load Zone Peak Hours	X	X	X
Import Resource TO Add-back kW Values			X
Enroll Resources	X		
View Resource Data	X	X	
View Resource TO Add-back kW Values	X	X	X
Request Aggregation	X		
Manage Resource Aggregation Assignments	X		
View Aggregation Assignments	X	X	
View Aggregation Performance Factors	X	X	
Manage Strike Prices	X		
View Strike Prices	X	X	
Export UCAP Values	X	X	
View Auction Sales	X	X	
Allocate Partial Auction Sales	X		
View SCR Resource Offer Floor Details	X	X	
View DR Event or Test Details	X	X	
Import Resource Event Responses	X		
View Event Response Data	X	X	
View Payment Details	X	X	
Export Event Payment Details	X	X	
Import Resource Summer 2011 ACL Verification Data	X		
View Resource Summer 2011 ACL Verification Data	X	X	
Import Resource Provisional ACL Verification Data	X		
View Resource Provisional ACL Verification Data	X	X	
View Organization Program Data	X	X	
View Organization SCR Program Performance Factor	X	X	
Manage Organization Contacts	X		
View Organization Contacts	X	X	

Red font denotes new functionality for September 2011

Access to DRIS

- NYISO Market Access Login
  - *http://www.nyiso.com/public/markets_operations/market_data/market_access_login/index.jsp*

- ICAP Market Page
  - *http://www.nyiso.com/public/markets_operations/market_data/icap/index.jsp*

- Demand Response Page
  - *http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp*

NYISO Market Access Login

ICAP Market Page

Markets & Operations ▶

Market Data

Market & Operational Data [+]

TCC

▶ ICAP

Demand Response

Ancillary Services

Services

Financial Services [+]

Customer Registration

Market Training [+]

Market ▯▯▯ **DRIS Login**

Reliability Compliance

Support

Customer Support

Submit A Help Ticket

Documents

Tariffs

Manuals & Guides

Technical Bulletins

Legal & Regulatory

Studies & Reports

ICAP Data & Information

The New York Installed Capacity (ICAP) market is based on the obligation placed on load serving entities (LSEs) to procure ICAP to meet minimum requirements. The requirements are determined by forecasting each LSE's contribution to its transmission district peak load, plus an additional amount to cover the Installed Reserve Margin. The amount of capacity that each supplying resource is qualified to provide to the New York Control Area (NYCA) is determined by an Unforced Capacity (UCAP) methodology. NYISO ICAP auctions are designed to accommodate LSEs and suppliers' efforts to enter intoUCAP transactions. They are open to all registered NYISO customers.

Official NYISO Time
16:05:23 EDT

ICAP Resources	ICAP Market Access	ICAP Mailboxes
▸ View Strip Auction Summary		
▸ View Monthly Auction Summary		
▸ View Spot Auction Summary	Please Note: You will need a digital certificate in order to access ICAP.	DMNC Test Reporting »
▸ View Default Reference Prices		
▸ View Rebate Summary		GADS Data Reporting »
▸ View ICAP & UCAP Calculations	ICAP Market Login »	
▸ View Event Calendar		SCR Registration »
▸ ICAP Working Group Page		
▸ Demand Response Information System	ICAP Upload/Download »	

ICAP Documents & Resources

ICAP	Filter:	View Details
⊟ 🗀 Announcements		

Demand Response Programs Page

http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp

DRIS Login

Markets & Operations ▸

Market Data
Market & Operational Data [+]
TCC
ICAP
▸ Demand Response
Ancillary Services

Services
Financial Services [+]
Customer Registration
Market Training [+]
Market Monitoring [+]
Reliability Compliance

Support
Customer Support
Submit A Help Ticket

Documents
Tariffs
Manuals & Guides
Technical Bulletins
Legal & Regulatory

Demand Response Programs

The NYISO has four Demand Response programs: the Emergency Demand Response Program (EDRP), the ICAP Special Case Resources (SCR) program, the Day Ahead Demand Response Program (DADRP) and the Demand Side Ancillary Services Program (DSASP).

Both the EDRP and SCR program can be deployed in energy shortage situations to maintain the reliability of the bulk power grid. Both programs are designed to reduce power usage through shutting down of businesses and large power users. Companies, mostly industrial and commercial, sign up to take part in the programs. The companies are paid by the NYISO for reducing energy consumption when asked to do so by the NYISO. Reductions are voluntary for EDRP participants. SCR participants are required to reduce power usage and as part of their agreement are paid in advance for agreeing to cut power usage upon request.
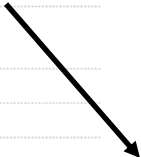
The NYISO's Day-Ahead Demand Response Program (DADRP) allows energy users to bid their load reductions, or "negawatts", into the Day-Ahead energy market as generators do. Offers determined to be economic are paid at the market clearing price. DADRP allows flexible loads to effectively increase the amount of supply in the market and moderate prices.

The Demand Side Ancillary Services Program (DSASP) provides retail customers that can meet telemetry and other qualification requirements with an opportunity to bid their load curtailment capability into the DAM and/or Real-Time Market to provide Operating Reserves and regulation service. Scheduled offers are paid the appropriate marketing clearing price for reserves and/or regulation.
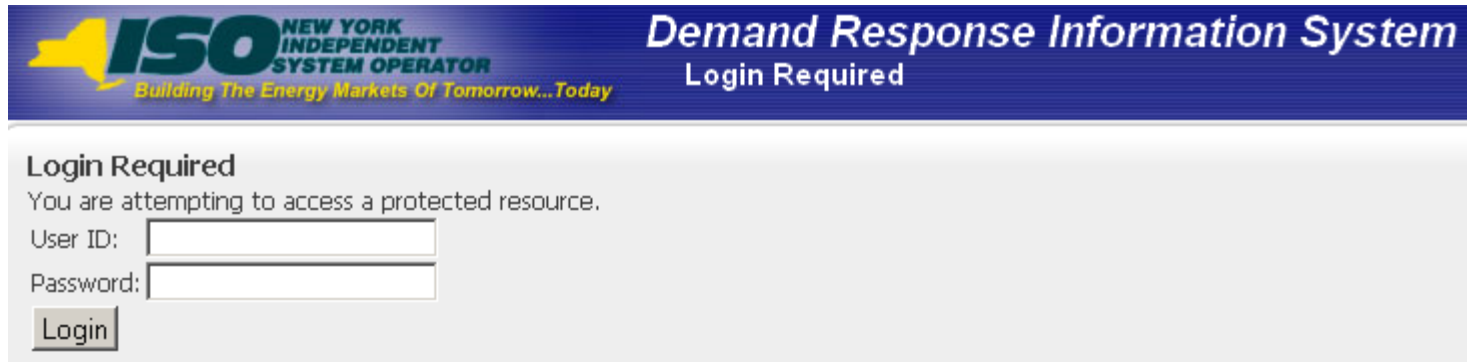
EDRP Mailbox »

Login to DRIS »

Demand Response Documents & Resources

DRIS Login

- ◆ Click on "User Login" to get to the DRIS General Information page

- ◆ Enter the MIS user name and password

- ◆ DRIS Dashboard is displayed

Additional Training Materials

- Scope of DRIS Training Sessions are limited to new functionality specific to each deployment

- DRIS User Guide
  - *http://www.nyiso.com/public/markets_operations/documents/manuals_guides/index.jsp*
  - *http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp*

- DRIS Training Materials
  - *http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp*

Additional Tools

- DRIS SCR Enrollment Import Template

  - *EXCEL file format is the only accepted format*
    - CSV will no longer be accepted as an import format for the SCR Enrollment Template

  - *Will be posted to the DRIS web site when the SCR Load Zone Peak Hours are viewable in DRIS (90 Days prior to start of the Capability Period)*

  - http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp (Special Case Resource ICAP Program folder)

  - *http://www.nyiso.com/public/markets_operations/market_data/icap/index.jsp (Forms folder)*

Additional Tools

- DRIS SCR Provisional ACL Verification Import Template

    - *EXCEL file format is the only accepted format*

    - *Will be posted to the DRIS web site when the SCR Load Zone Peak Hours are viewable in DRIS (90 Days prior to start of the Capability Period)*

    - http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp (Special Case Resource ICAP Program folder)

    - *http://www.nyiso.com/public/markets_operations/market_data/icap/index.jsp (Forms folder)*

Additional Tools

- DRIS SCR Summer 2011 Verification Import Template

    - *EXCEL file format is the only accepted format*

    - *Will be posted to the DRIS web site when the SCR Load Zone Peak Hours are viewable in DRIS (90 Days prior to start of the Capability Period)*

    - http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp (Special Case Resource ICAP Program folder)

    - *http://www.nyiso.com/public/markets_operations/market_data/icap/index.jsp (Forms folder)*

Additional Tools

- DRIS SCR TO Add-back Import Template

  - *EXCEL file format is the only accepted format*

  - *Will be posted to the DRIS web site when the SCR Load Zone Peak Hours are viewable in DRIS (90 Days prior to start of the Capability Period)*

  - http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp (Special Case Resource ICAP Program folder)

  - http://www.nyiso.com/public/markets_operations/market_data/icap/index.jsp *(Forms folder)*

Additional Tools

- ◆ DRIS EDRP Enrollment Import Template
  - ▪ http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp (Emergency Demand Response Program folder)

- ◆ DRIS Partial Sales Reporting Import Template
  - ▪ http://www.nyiso.com/public/markets_operations/market_data/demand_response/index.jsp (Special Case Resource ICAP Program folder)
  - ▪ *http://www.nyiso.com/public/markets_operations/market_data/icap/index.jsp (Forms folder)*

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.

www.nyiso.com