

DSS 101

Introduction to Decision Support System

E-Learning Module 1: Getting Started

DSS 101

COURSE OBJECTIVES: Participants will be able to

Module 1: Getting Started

- Explain how to access DSS

Module 2: Primer

- Define “Decision Support System” (DSS)
- Identify the benefits of using DSS
- List various reports available within DSS

Module 3: Corporate Reports

- Understand how to access DSS Corporate Reports

Module 4: Automated Data Delivery (ADD)

- Request an Automated Data Delivery (ADD) File

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Accessing DSS

Browser Compatibility

■ Mozilla Firefox and Google Chrome

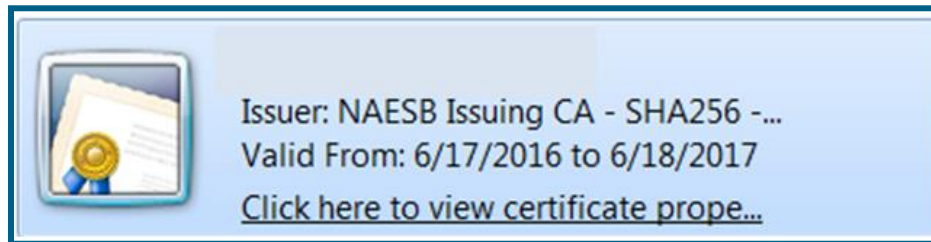


Images:
Creative Commons
• Firefox, 2020
• Google Chrome, 2020

NAESB Certificate

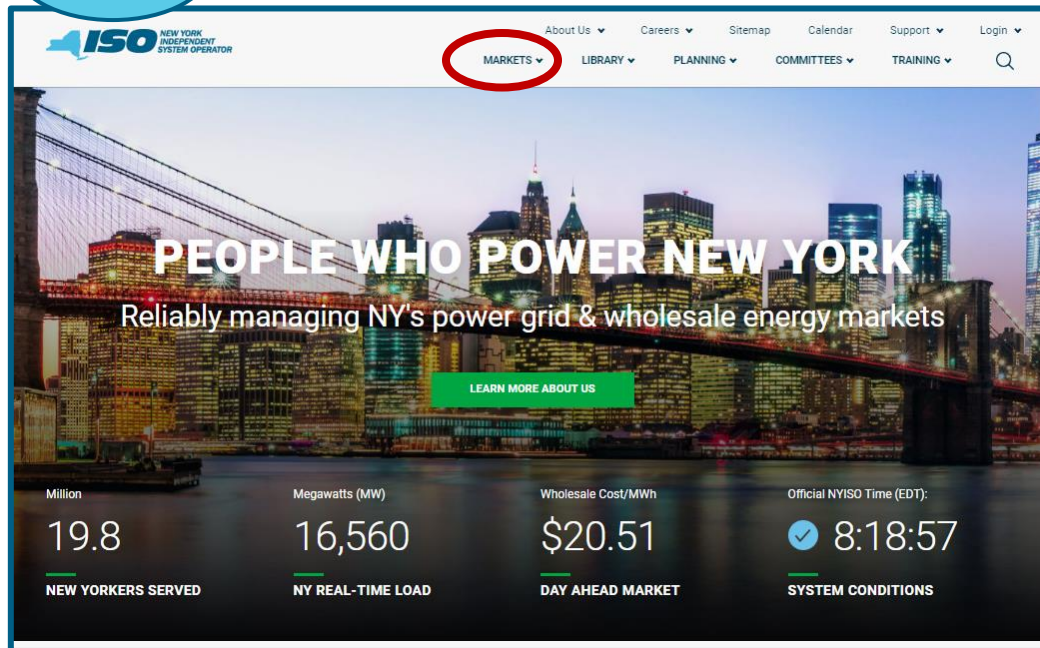
- **Requires Digital Certificate and DSS account**

- Account types: Super Administrator, Subject Area Administrator, Public Market Data User, Customer Settlement User



Obtaining User Account

Step 1



NEW YORK INDEPENDENT SYSTEM OPERATOR

MARKETS LIBRARY PLANNING COMMITTEES TRAINING

PEOPLE WHO POWER NEW YORK

Reliably managing NY's power grid & wholesale energy markets

LEARN MORE ABOUT US

Million 19.8 NEW YORKERS SERVED	Megawatts (MW) 16,560 NY REAL-TIME LOAD	Wholesale Cost/MWh \$20.51 DAY AHEAD MARKET	Official NYISO Time (EDT): 8:18:57 SYSTEM CONDITIONS
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Step 2



NEW YORK INDEPENDENT SYSTEM OPERATOR

MARKETS LIBRARY PLANNING COMMITTEES TRAINING

MARKETS

NYISO's wholesale electricity markets encourage innovation, competition and lower costs for New York's energy

MARKET ACCESS LOGIN

Energy Data Dashboard

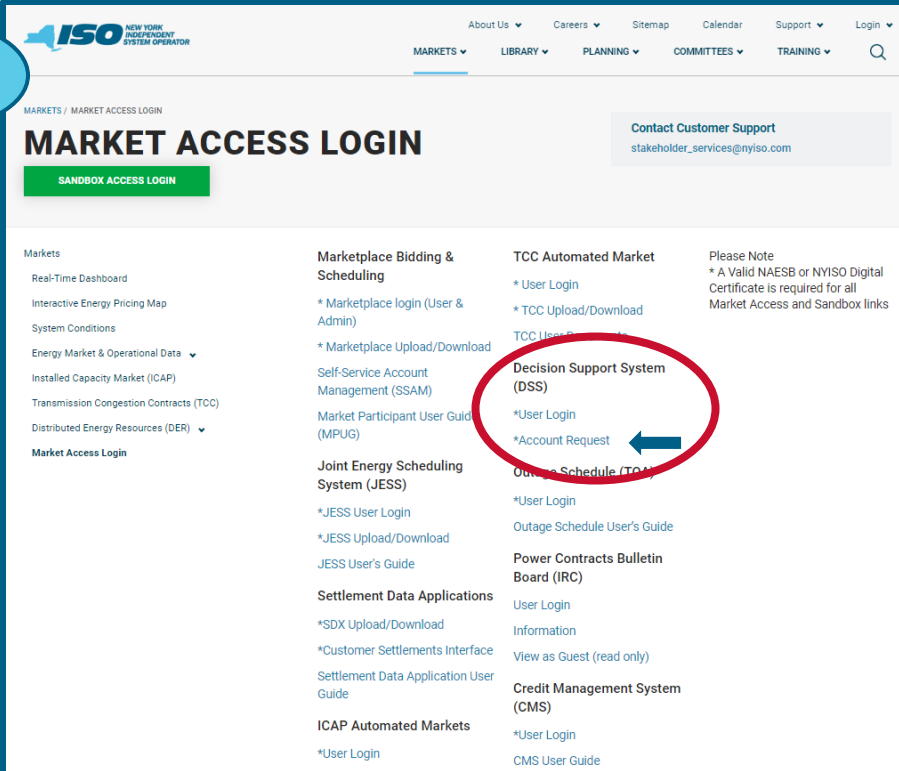
Data and information related to real-time and day ahead market operations. You will find graphics and maps demonstrating the day ahead market zonal LBMP, real-time fuel mix, load, load vs. LBMP, fuel mix, flow, interregional data, and interface data.

LEARN MORE



Obtaining User Account

Step 3



MARKETS / MARKET ACCESS LOGIN

MARKET ACCESS LOGIN

[SANDBOX ACCESS LOGIN](#)

Contact Customer Support
stakeholder_services@nyiso.com

Markets

- Real-Time Dashboard
- Interactive Energy Pricing Map
- System Conditions
- Energy Market & Operational Data
- Installed Capacity Market (ICAP)
- Transmission Congestion Contracts (TCC)
- Distributed Energy Resources (DER)
- Market Access Login

Marketplace Bidding & Scheduling

- * Marketplace login (User & Admin)
- * Marketplace Upload/Download
- Self-Service Account Management (SSAM)
- Market Participant User Guide (MPUG)

Joint Energy Scheduling System (JESS)

- *JESS User Login
- *JESS Upload/Download
- JESS User's Guide

Settlement Data Applications

- *SDX Upload/Download
- *Customer Settlements Interface
- Settlement Data Application User Guide

ICAP Automated Markets

- *User Login

TCC Automated Market

- * User Login
- * TCC Upload/Download
- TCC User Guide

Decision Support System (DSS)

- *User Login
- *Account Request
- Outage Schedule (TOU)
- *User Login
- Outage Schedule User's Guide

Power Contracts Bulletin Board (IRC)

- User Login
- Information
- View as Guest (read only)

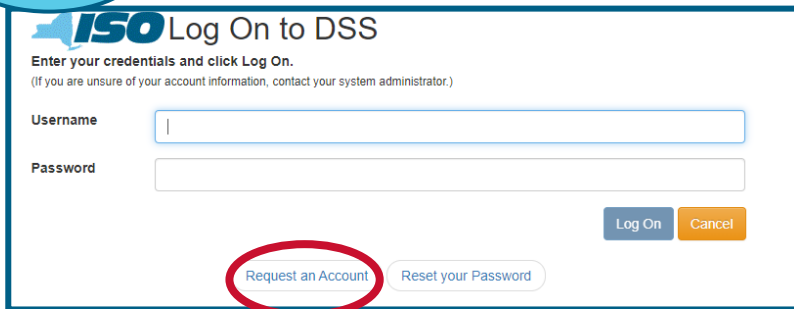
Credit Management System (CMS)

- *User Login
- CMS User Guide

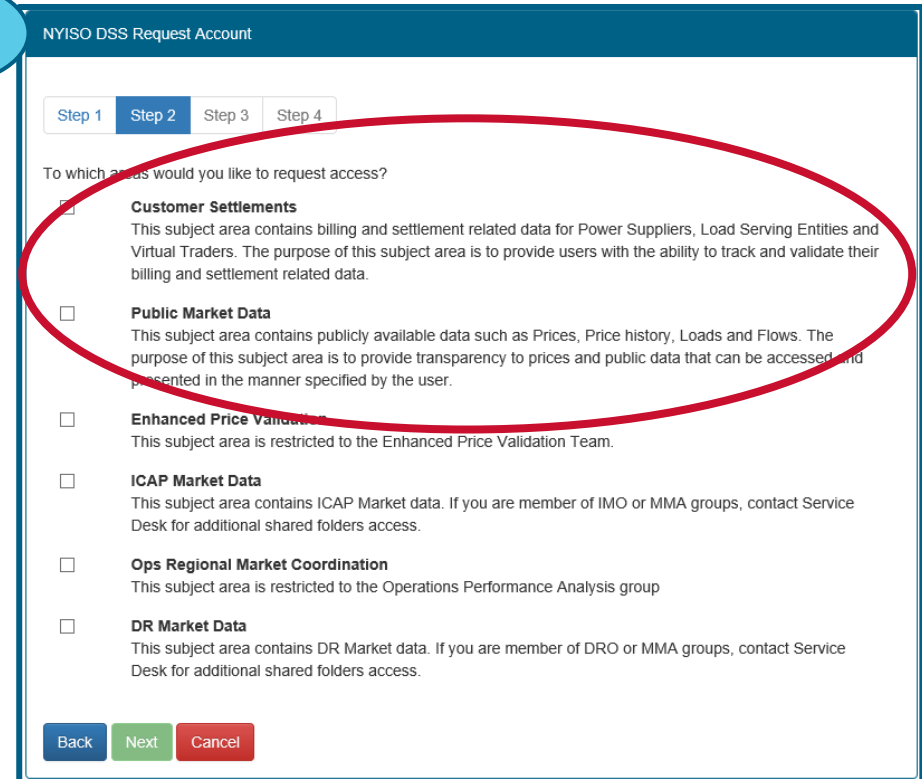
Please Note
* A Valid NAESB or NYISO Digital Certificate is required for all Market Access and Sandbox links

Obtaining User Account

Step 4



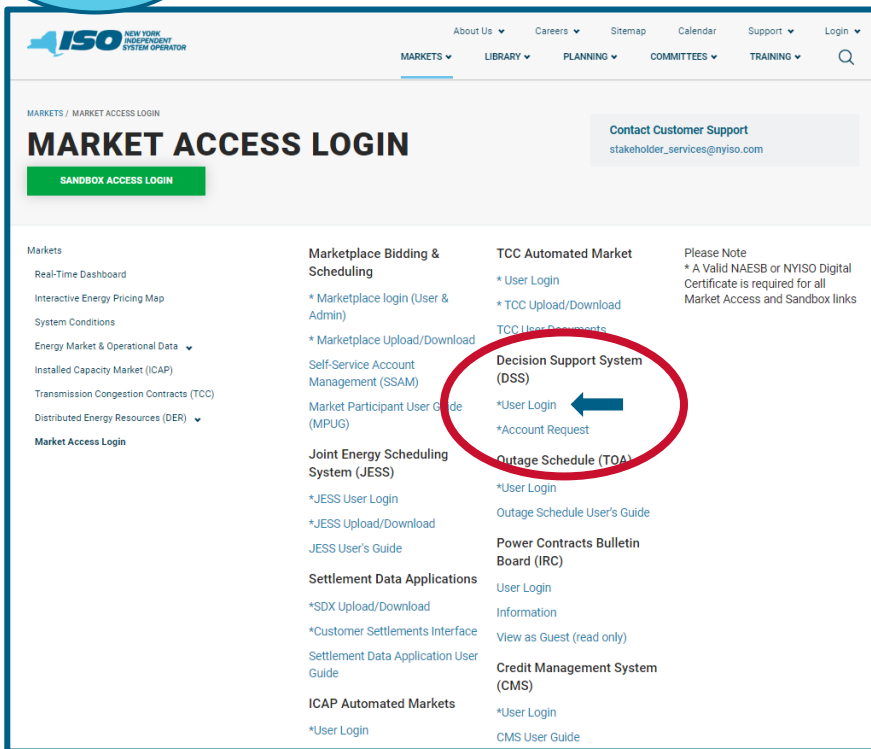
Step 5



Logging into DSS

Logging into DSS

Step 1



NEW YORK INDEPENDENT SYSTEM OPERATOR

MARKETS / MARKET ACCESS LOGIN

MARKET ACCESS LOGIN

Contact Customer Support
stakeholder_services@nyiso.com

SANDBOX ACCESS LOGIN

Markets

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 - JESS User's Guide
- Settlement Data Applications
 - *SDX Upload/Download
 - *Customer Settlements Interface
 - Settlement Data Application User Guide
- ICAP Automated Markets
 - *User Login

TCC Automated Market

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 - Outage Schedule User's Guide

Power Contracts Bulletin Board (IRC)

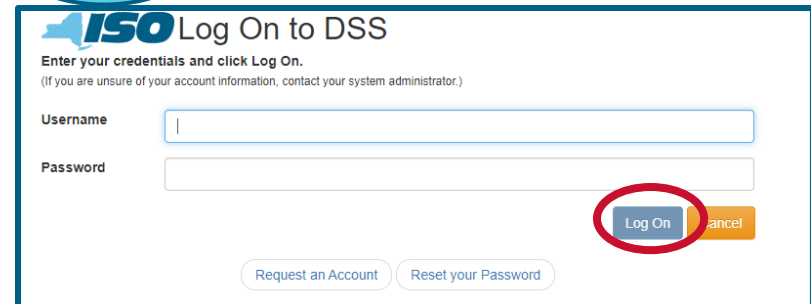
- User Login
- Information
- View as Guest (read only)

Credit Management System (CMS)

- *User Login
- CMS User Guide

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Step 2



NEW YORK INDEPENDENT SYSTEM OPERATOR

Log On to DSS

Enter your credentials and click Log On.
(If you are unsure of your account information, contact your system administrator.)


Username

Password

Log On Cancel

Request an Account Reset your Password

DSS Home Page

 ISO Decision Support System Welcome: **stegmke1** | Applications ▾ | Preferences | Help menu ▾ | Log off

Home Documents

[Home](#) | [Admin Page](#) Current User: stegmke1





Last Successful Update Time

Customer Settlements Last Successful Update Time:
Oct 17, 2019 3:40:55 AM


Public Market Data Last Successful Update Time:
Oct 17, 2019 7:43:48 AM

You have no ADD Requests.




Customer Settlements Data Mart

-  [List of Interval Days & Invoice Versions](#)
-  [DSS Mapping Guide for Customer Statements](#)
-  [Voltage Support Service Rates](#)
-  [TSC & NTAC Rates](#)

Public Market Data

-  [Definition of Price Versions](#)

ADD

-  [Daily Customer Statements CSV Template](#)
-  [Hourly Customer Statement Template](#)
-  [List of Interval Days & Invoice Versions](#)

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DSS 101

Introduction to Decision Support System

E-Learning Module 2: Primer

DSS 101

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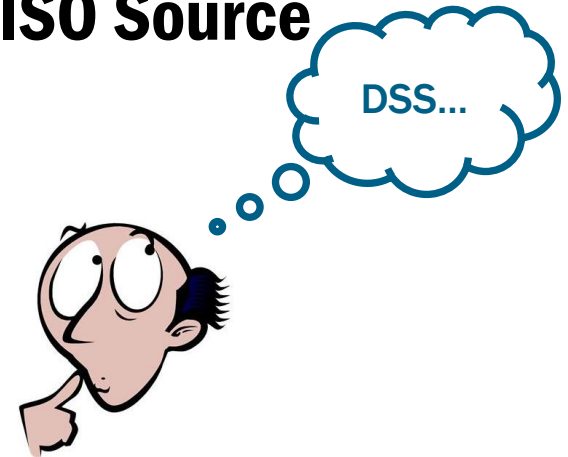
Module 4: Automated Data Delivery (ADD)

- Request an Automated Data Delivery (ADD) File

Decision Support System Defined

DSS – What is it?

- **A Data Warehouse**
- **Primary Resource for NYISO Market Settlements and Market Pricing Data**
- **Provides Data from Various Internal NYISO Source Applications**
- **Brief Daily Outage for Data Loading**



DSS – Where does the data come from?

■ Source Data for DSS

- ETL Process Used – Extract, Transform, Load
 - Extract - Data is collected....
 - Transform - Data is formatted....
 - Load - Data is migrated....
- Refresh Takes Place daily between 2 – 5 am
- Data is Available from Billing Day of Two Days Prior



Benefits of using DSS

DSS – Why use it?

- **Used in Support and Reconciliation of Consolidated Invoices**
- **Provides Accessibility to**
 - Billing Determinants across all Settlements
 - Key Intermediate Calculations
- **Real Time Level Data**
- **Provides Accessibility to Advisory Billing Files**

Reports available in DSS

Reports Available in DSS

Customer
Settlements
Reports

- Corporate Reports
- Custom Reports

Public Market
Data

- Access to OASIS data as seen on NYISO website
- Custom Reports

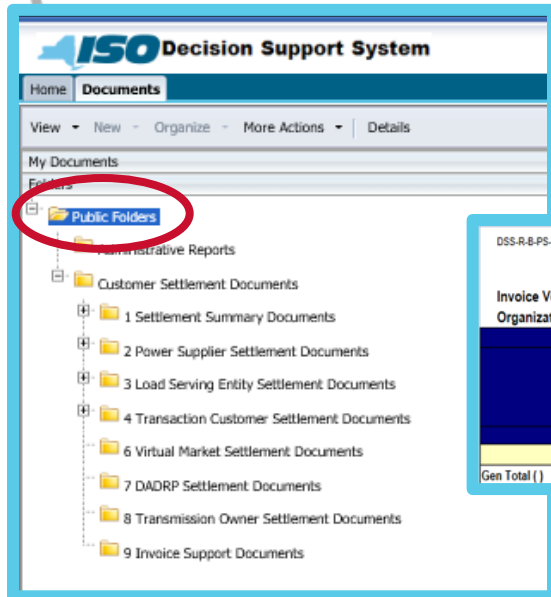
Automated
Data Delivery
(ADD)

- Advisory hourly/daily billing files

Customer Settlement Reports

Customer Settlements Reports

- Corporate Reports
- Custom Reports



DSS-R-B-PS-II-170-A

New York Independent System Operator Decision Support System
Settlement Details - Power Supplier - Day Ahead Market Energy (Billing Determinants)

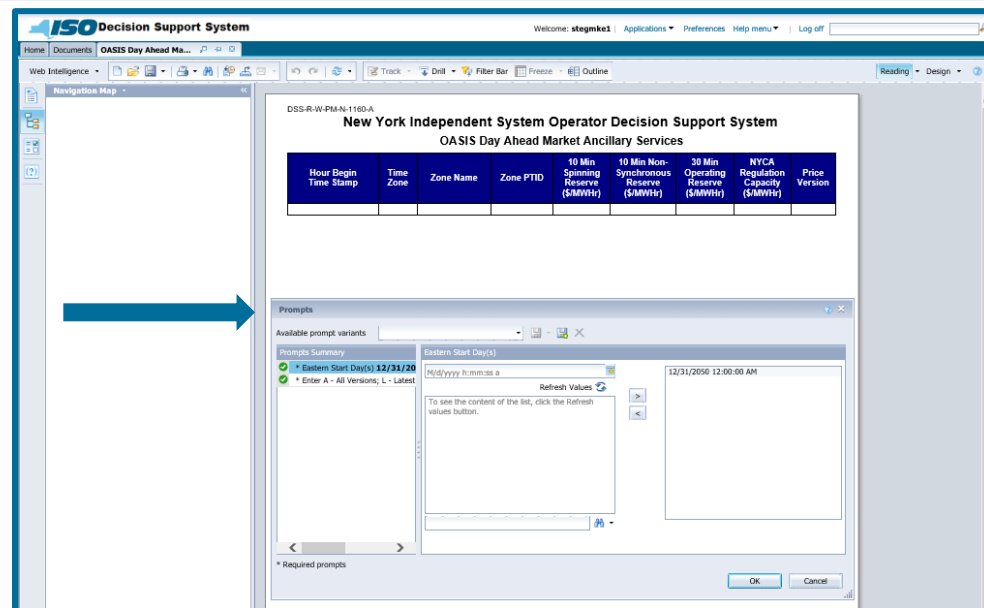
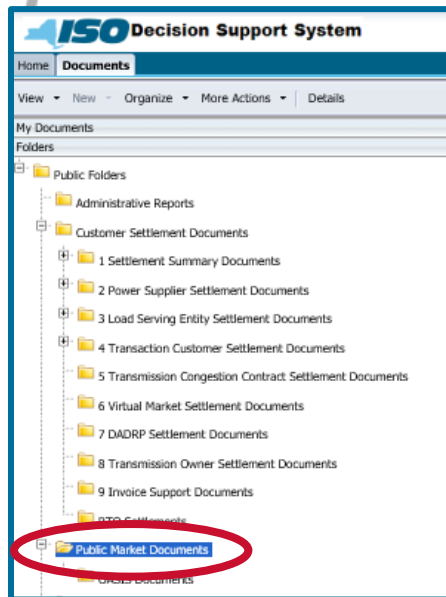
Invoice Version: () #
Organization/Generator: ()

Date/Hour	Day Ahead Market Energy Settlements				Billing Determinants						
	Total DAM Stmt (\$)	DAM Energy (\$)	DAM Loss (\$)	DAM Cong (\$)	Total DAM Price (\$/MWh)	DAM Energy Price (\$/MWh)	DAM Loss Price (\$/MWh)	DAM Cong Price (\$/MWh)	DAM Energy (MW)	DAM Sched Gen (MW)	DAM Sched Trans (MW)
204/201					203				202/200		
Gen Total ()											

Public Market Data

Public Market Data

- Access to OASIS data as seen on NYISO website
- Custom Reports



Automated Data Delivery (ADD)

Automated
Data Delivery
(ADD)

- Advisory hourly/daily billing files

POWER SUPPLIERS			
100	200	201	
Org name	Gen name	Gen PtId	Start day
LSE LBMP ENERGY			
100	400	401	
Org name	LSE name	Bus name	Start day
TRANSACTIONS			
100	400	500	
Org name	LSE name	Trans Id	Start day
TRANSACTIONS LBMP ENERGY			
100	400	500	
Org name	LSE name	Trans Id	Start day
ANCILLARY SERVICES			
100	400	101	
Org name	LSE name	Start day	Start hour
TCC			
100	900	101	
Org name	TCC Contract ID	Start day	Start hour

Versioning within DSS

Important to Know

- **There may be multiple versions of the same month's data**
- **Version selection impacts report results**
- **Understanding DSS versioning strategy is *key***



What does the version number mean?

Stage in Billing Cycle	Version Number
Billing Period 'x' Weekly Invoice issued (FIP)	Version 0.5
Billing Month 'x' in process for 1 st time (Initial Month Invoice prep)	Version 0
Billing Month 'x' Initial Invoice issued	Version 1
Billing Month 'x' in process for 2 nd time (4 Month Re-Bill Invoice prep)	Version 0
Billing Month 'x' 4 Month Invoice issued	Version 2

List of Interval Days & Invoice Versions

ISO Decision Support System

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ADD

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[Hourly Customer Statement Template](#)

[List of Interval Days & Invoice Versions](#)

DSS-R-B-LD-S-230-A

New York Independent System Operator Decision Support System
List of Interval Days & Invoice Versions Contained in DSS

Month: April 2016

Interval Start Day (Eastern)	Invoice Version Number	Stimnt Type Desc	Invoice Date	Latest Version Ind	Latest Invoiced Version Ind	Billing Version Update Date	Available for ADD Download
04/01/2016	0.5	Flexible Settlement	04/06/2016	Y	Y	04/05/2016	Yes
04/02/2016	0.5	Flexible Settlement	04/13/2016	Y	Y	04/12/2016	Yes
04/03/2016	0.5	Flexible Settlement	04/13/2016	Y	Y	04/12/2016	Yes
04/04/2016	0.5	Flexible Settlement	04/13/2016	Y	Y	04/12/2016	Yes
04/05/2016	0.5	Flexible Settlement	04/13/2016	Y	Y	04/12/2016	Yes
04/06/2016	0.5	Flexible Settlement	04/13/2016	Y	Y	04/12/2016	Yes
04/07/2016	0.5	Flexible Settlement	04/13/2016	Y	Y	04/12/2016	Yes
04/08/2016	0.5	Flexible Settlement	04/13/2016	Y	Y	04/12/2016	Yes
04/09/2016	0.5	Flexible Settlement	04/20/2016	Y	Y	04/19/2016	Yes
04/10/2016	0.5	Flexible Settlement	04/20/2016	Y	Y	04/19/2016	Yes
04/11/2016	0.5	Flexible Settlement	04/20/2016	Y	Y	04/19/2016	Yes
04/12/2016	0.5	Flexible Settlement	04/20/2016	Y	Y	04/19/2016	Yes
04/13/2016	0.5	Flexible Settlement	04/20/2016	Y	Y	04/19/2016	Yes
04/14/2016	0.5	Flexible Settlement	04/20/2016	Y	Y	04/19/2016	Yes
04/15/2016	0.5	Flexible Settlement	04/20/2016	Y	Y	04/19/2016	Yes
04/16/2016	0.5	Flexible Settlement	04/27/2016	Y	Y	04/26/2016	Yes
04/17/2016	0.5	Flexible Settlement	04/27/2016	Y	Y	04/26/2016	Yes
04/18/2016	0.5	Flexible Settlement	04/27/2016	Y	Y	04/26/2016	Yes
04/19/2016	0.5	Flexible Settlement	04/27/2016	Y	Y	04/26/2016	Yes
04/20/2016	0.5	Flexible Settlement	04/27/2016	Y	Y	04/26/2016	Yes
04/21/2016	0.5	Flexible Settlement	04/27/2016	Y	Y	04/26/2016	Yes
04/22/2016	0.5	Flexible Settlement	04/27/2016	Y	Y	04/26/2016	Yes
04/23/2016	0	Uninvoiced	05/04/2016	Y	N	04/26/2016	Yes
04/24/2016	0	Uninvoiced	05/04/2016	Y	N	04/26/2016	Yes
04/25/2016	0	Uninvoiced	05/04/2016	Y	N	04/27/2016	Yes
04/26/2016	0	Uninvoiced	05/04/2016	Y	N	04/28/2016	Yes
04/27/2016	0	Uninvoiced	05/04/2016	Y	N	04/29/2016	Yes

Month: March 2016

Interval Start Day (Eastern)	Invoice Version Number	Stimnt Type Desc	Invoice Date	Latest Version Ind	Latest Invoiced Version Ind	Billing Version Update Date	Available for ADD Download
03/01/2016	0.5	Flexible Settlement	03/09/2016	N	N	03/08/2016	Yes
03/01/2016	1	Initial Settlement	04/07/2016	Y	Y	03/30/2016	Yes
03/02/2016	0.5	Flexible Settlement	03/09/2016	N	N	03/08/2016	Yes
03/02/2016	1	Initial Settlement	04/07/2016	Y	Y	03/30/2016	Yes

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Introduction to Decision Support System

E-Learning Module 3: Corporate Reports

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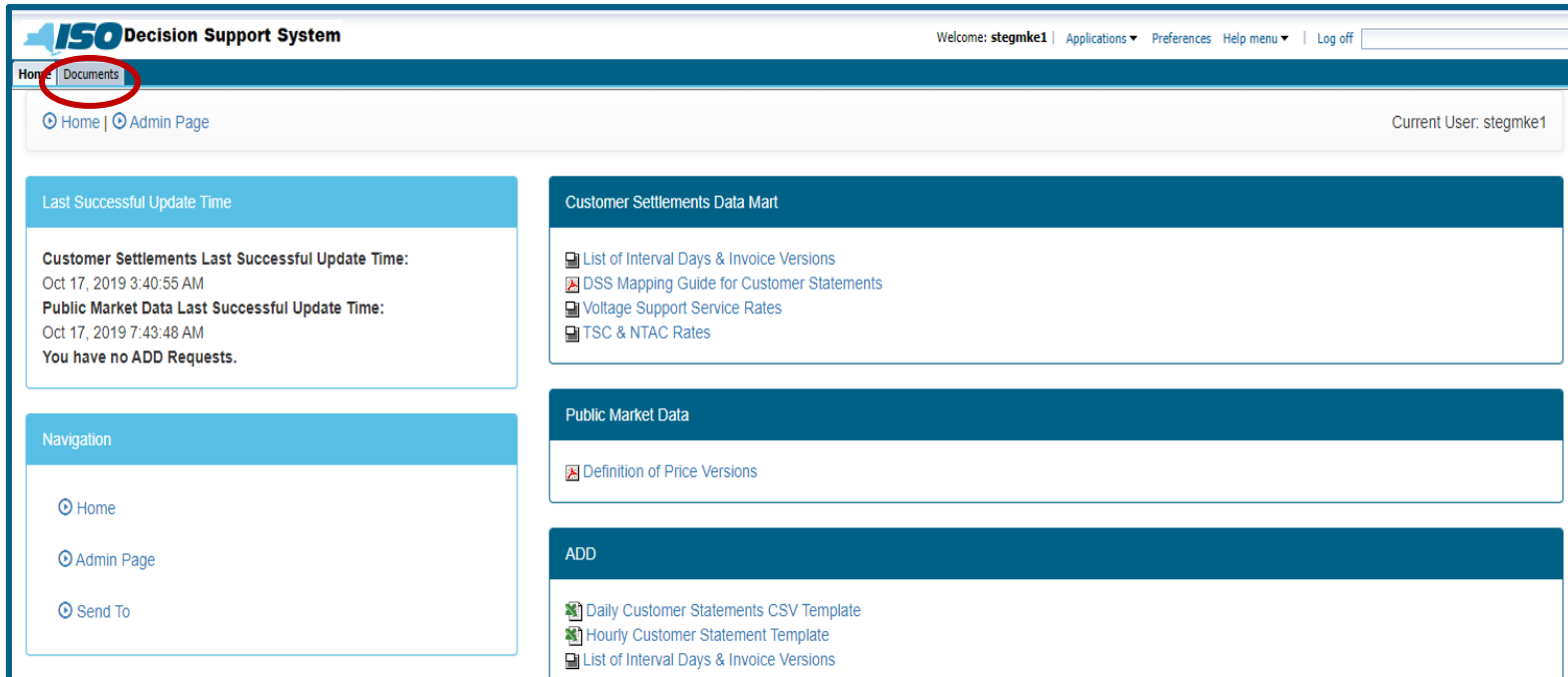
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Accessing DSS Corporate Reports

DSS Corporate Reports

Accessible from the Home Page



AISO Decision Support System Welcome: **stegmke1** | Applications ▾ | Preferences | Help menu ▾ | Log off

Home | **Documents**

Home | Admin Page Current User: stegmke1





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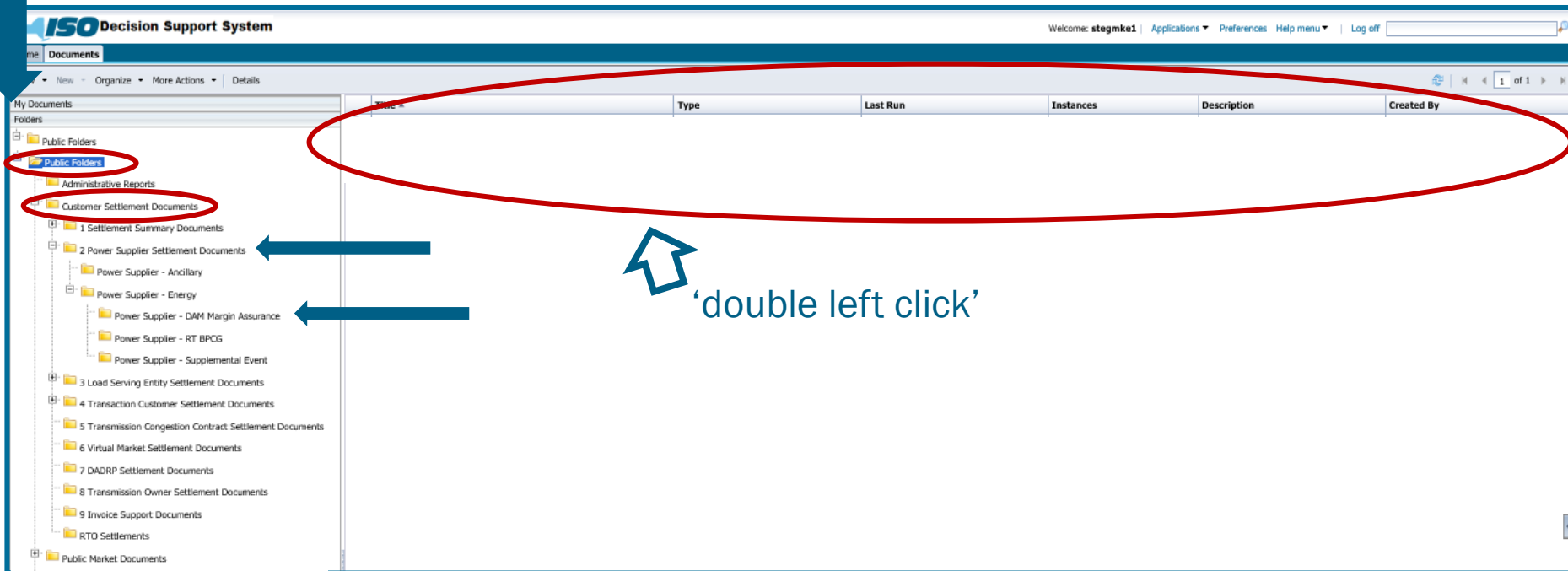
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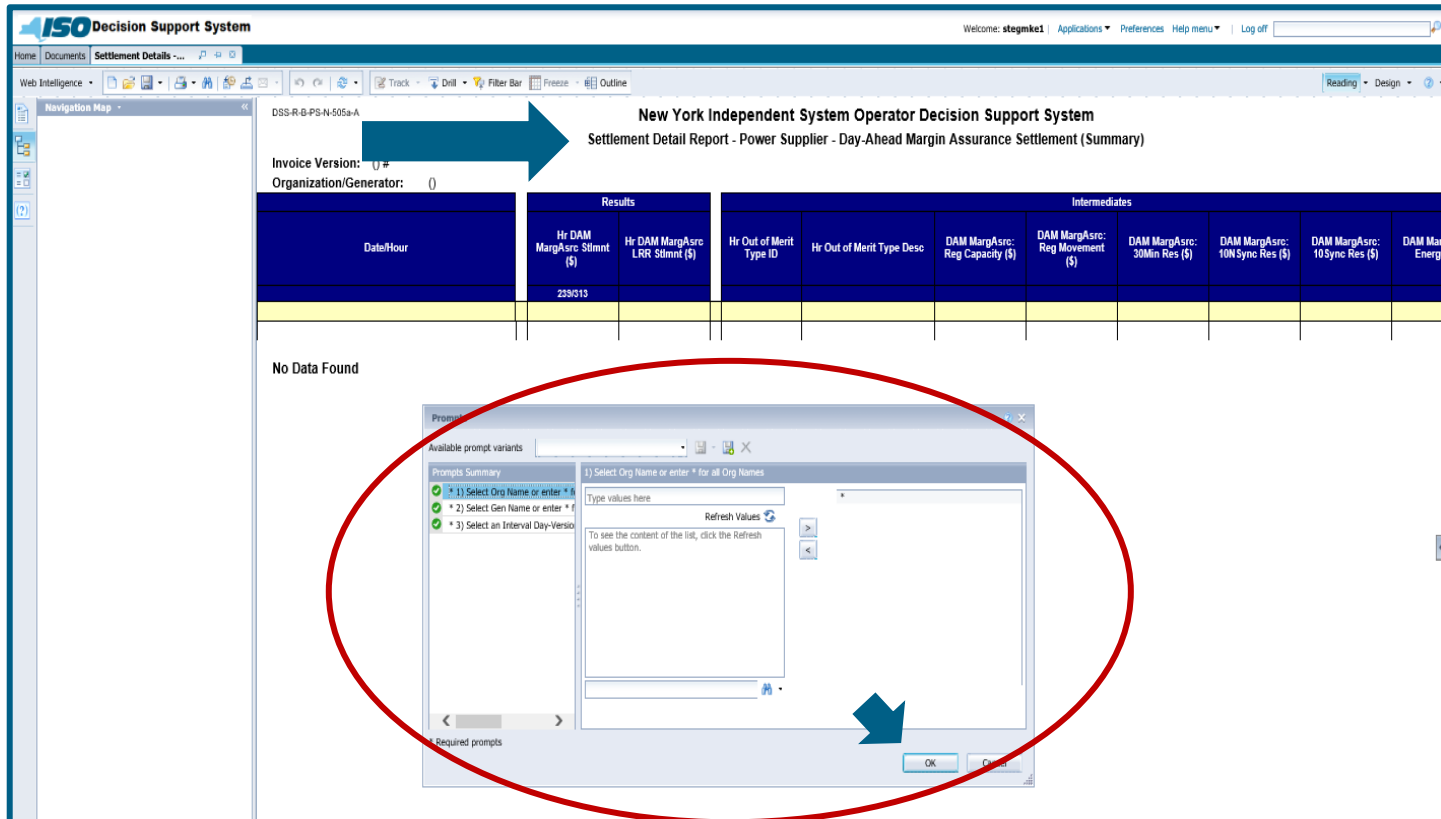
-  Daily Customer Statements CSV Template
-  Hourly Customer Statement Template
-  List of Interval Days & Invoice Versions

DSS Corporate Reports



The screenshot displays the ISO Decision Support System interface. On the left, a folder tree is visible under 'My Documents'. The 'Public Folders' folder is highlighted with a red circle. Below it, the 'Customer Settlement Documents' folder is also highlighted with a red circle. Two blue arrows point to the '2 Power Supplier Settlement Documents' folder and the 'Power Supplier - DAM Margin Assurance' sub-folder. On the right, a table with columns 'Type', 'Last Run', 'Instances', 'Description', and 'Created By' is shown. A red oval highlights the table area. A blue arrow points to the table header. A blue arrow points to the text 'double left click'.

DSS Corporate Reports



The screenshot displays the 'New York Independent System Operator Decision Support System' interface. The main content area shows a 'Settlement Detail Report - Power Supplier - Day-Ahead Margin Assurance Settlement (Summary)'. The report table is currently empty, displaying 'No Data Found'. A 'Prompts' dialog box is open in the foreground, containing a 'Prompts Summary' section with three items: '1) Select Org Name or enter * f', '2) Select Gen Name or enter * f', and '3) Select an Interval Day-Version'. The dialog also features a search field with the prompt '1) Select Org Name or enter * f for all Orig Names', a 'Refresh Values' button, and 'OK' and 'Cancel' buttons at the bottom. A red oval highlights the 'Prompts' dialog box, and a blue arrow points to the 'OK' button.

Date/Hour	Results		Intermediates							
	Hr DAM MargAsc: 30mnt (\$)	Hr DAM MargAsc: LRR Stmnt (\$)	Hr Out of Merit Type ID	Hr Out of Merit Type Desc	DAM MargAsc: Reg Capacity (\$)	DAM MargAsc: Reg Movement (\$)	DAM MargAsc: 30Min Res (\$)	DAM MargAsc: 10N Sync Res (\$)	DAM MargAsc: 10Sync Res (\$)	DAM MargAsc: Energy
	239012									

DSS Corporate Reports

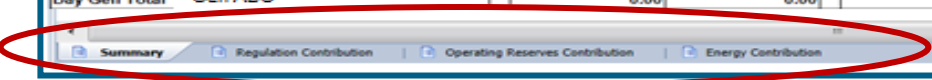
DSS-R-B-PS-N-505a-A

New York Independent System Operator Decision Support System
Settlement Detail Report - Power Supplier - Day-Ahead Margin Assurance Settlement (Summary)

Invoice Version: Initial Settlement
 Organization/Generator: Company XYZ Gen ABC

Date/Hour	Results		Intermediates						
	Hr DAM MargAsrc Stlmt (\$)	Hr DAM MargAsrc LRR Stlmt (\$)	Hr Out of Merit Type ID	Hr Out of Merit Type Desc	DAM MargAsrc: Reg Capacity (\$)	DAM MargAsrc: Reg Movement (\$)	DAM MargAsrc: 30Min Res (\$)	DAM MargAsrc: 10NSync Res (\$)	
	238/013								
04/03/2016 00	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 01	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 02	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 03	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 04	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 05	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 06	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 07	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 08	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 09	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 10	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 11	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 12	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 13	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 14	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 15	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 16	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 17	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 18	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 19	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 20	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 21	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 22	0.00	0.00			0.00	0.00	0.00	0.00	
04/03/2016 23	0.00	0.00			0.00	0.00	0.00	0.00	
Day Gen Total	Gen ABC	0.00			0.00	0.00	0.00	0.00	

Summary | Regulation Contribution | Operating Reserves Contribution | Energy Contribution



DSS Corporate Reports



ISO Decision Support System

Welcome: **stegmke1** | Applications | Preferences | Help menu | Log off

Home Documents Settlement Details - ...

Navigation Map

- Settlement Details - Power Supplier - Day-Ahead Margin Assurance (Results)
 - Summary**
 - Regulation Contribution
 - Operating Reserves Contribution
 - Energy Contribution

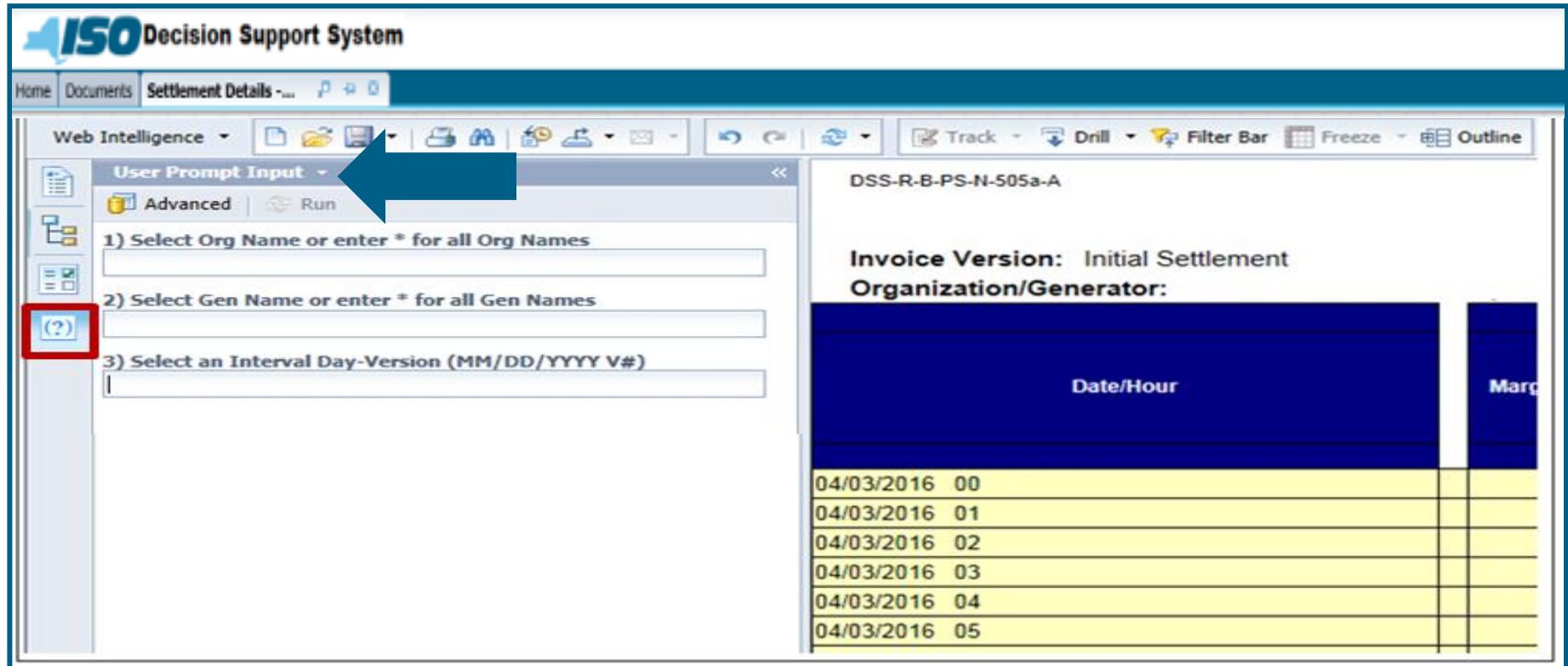
DSS-R-PS-N-505a-A

New York Independent System Operator Decision Support System
 Settlement Detail Report - Power Supplier - Day-Ahead Margin Assurance Settlement (Summary)

Invoice Version: Initial Settlement
 Organization/Generator:

Date/Hour	Results		Intermediates				
	Hr DAM MargAsrc Stmnt (\$)	Hr DAM MargAsrc LRR Stmnt (\$)	Hr Out of Merit Type ID	Hr Out of Merit Type Desc	DAM MargAsrc: Reg Capacity (\$)	DAM MargAsrc: Reg Movement (\$)	DAM MargAsrc: 30Min Res (\$)
	239/313						

DSS Corporate Reports



The screenshot displays the ISO Decision Support System (DSS) interface. The main window title is "ISO Decision Support System". The current document is "Settlement Details -...". The interface includes a toolbar with various icons and a "Web Intelligence" dropdown menu. A large blue arrow points to the "User Prompt Input" panel on the left, which contains three prompts:

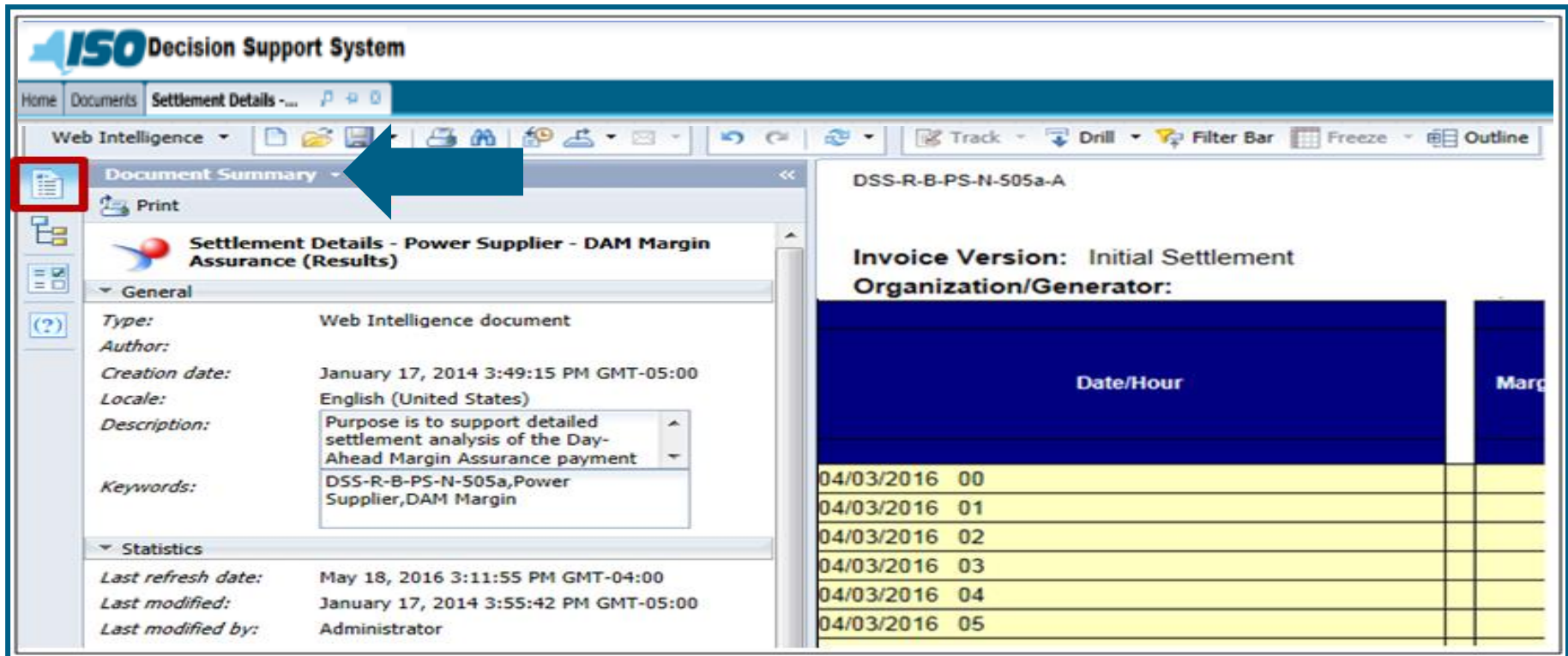
- 1) Select Org Name or enter * for all Org Names
- 2) Select Gen Name or enter * for all Gen Names
- 3) Select an Interval Day-Version (MM/DD/YYYY V#)

A red box highlights a question mark icon in the left sidebar. The main content area displays the report title "DSS-R-B-PS-N-505a-A" and the following information:

Invoice Version: Initial Settlement
Organization/Generator:

Date/Hour	Marg
04/03/2016 00	
04/03/2016 01	
04/03/2016 02	
04/03/2016 03	
04/03/2016 04	
04/03/2016 05	

DSS Corporate Reports



ISO Decision Support System

Home Documents Settlement Details - ...

Web Intelligence [Icons] Track Drill Filter Bar Freeze Outline

Document Summary [Red Box] ←

Print

Settlement Details - Power Supplier - DAM Margin Assurance (Results)

General

Type: Web Intelligence document
 Author:
 Creation date: January 17, 2014 3:49:15 PM GMT-05:00
 Locale: English (United States)
 Description: Purpose is to support detailed settlement analysis of the Day-Ahead Margin Assurance payment
 Keywords: DSS-R-B-PS-N-505a, Power Supplier, DAM Margin

Statistics

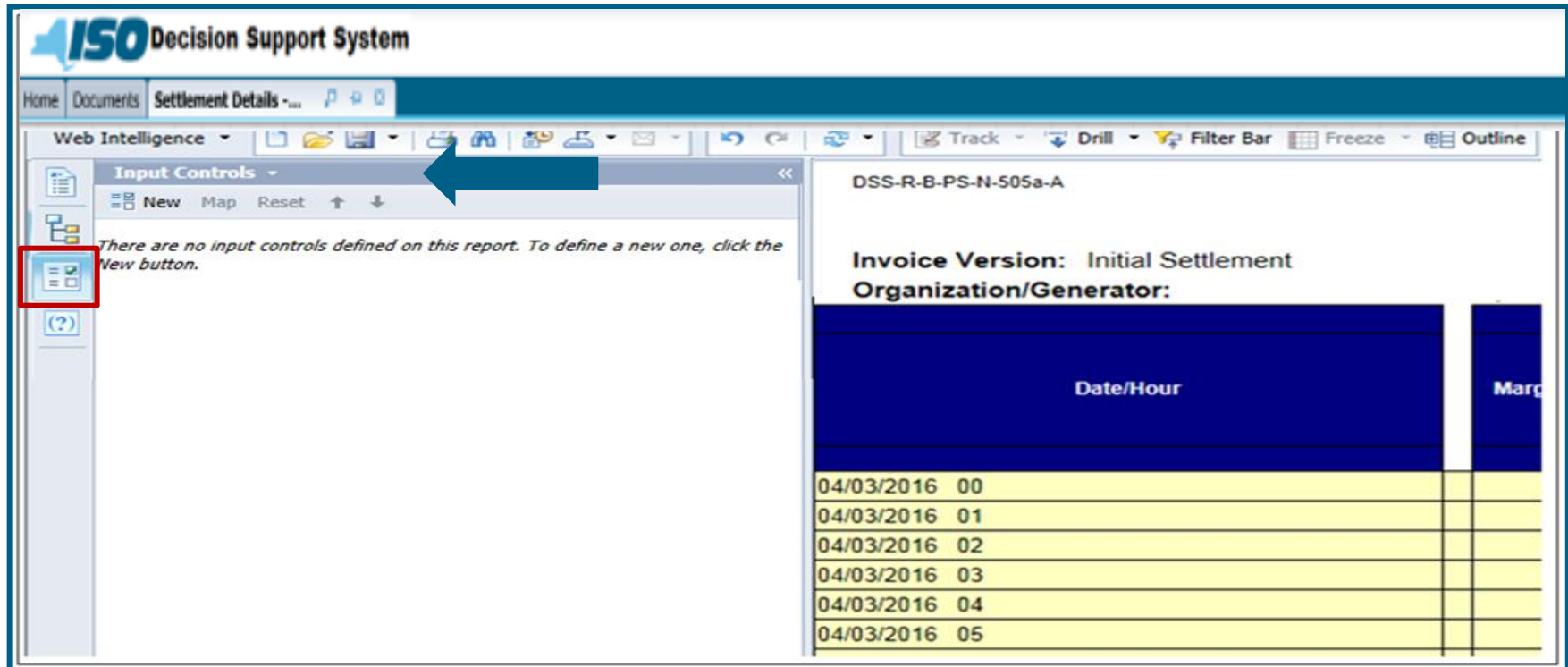
Last refresh date: May 18, 2016 3:11:55 PM GMT-04:00
 Last modified: January 17, 2014 3:55:42 PM GMT-05:00
 Last modified by: Administrator

DSS-R-B-PS-N-505a-A

Invoice Version: Initial Settlement
 Organization/Generator:

Date/Hour	Marg
04/03/2016 00	
04/03/2016 01	
04/03/2016 02	
04/03/2016 03	
04/03/2016 04	
04/03/2016 05	

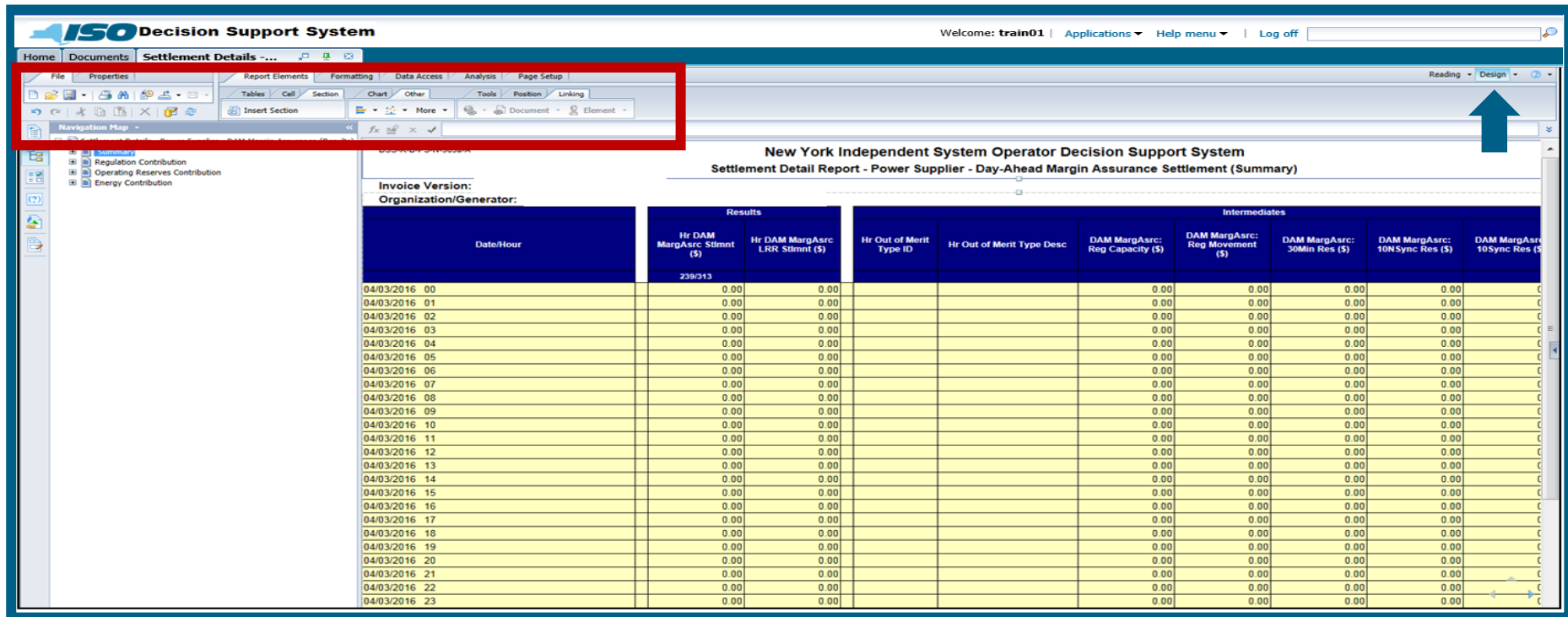
DSS Corporate Reports



The screenshot displays the ISO Decision Support System interface. The top navigation bar includes 'Home', 'Documents', and 'Settlement Details -...'. Below this is a 'Web Intelligence' toolbar with various icons and options like 'Track', 'Drill', 'Filter Bar', 'Freeze', and 'Outline'. The main area is divided into two panes. The left pane, titled 'Input Controls', contains a 'New' button (highlighted with a red box), 'Map', and 'Reset' buttons. A blue arrow points to the 'New' button. Below the buttons, a message reads: 'There are no input controls defined on this report. To define a new one, click the New button.' The right pane shows report details for 'DSS-R-B-PS-N-505a-A', including 'Invoice Version: Initial Settlement' and 'Organization/Generator:'. Below this is a table with a dark blue header and a yellow body.

Date/Hour		Marg
04/03/2016	00	
04/03/2016	01	
04/03/2016	02	
04/03/2016	03	
04/03/2016	04	
04/03/2016	05	

DSS Corporate Reports



ISO Decision Support System

Welcome: **train01** | Applications ▾ | Help menu ▾ | Log off

Home Documents Settlement Details - ...

File Properties Report Elements Formatting Data Access Analysis Page Setup

Tables Cell Section Chart Other Tools Position Linking

Insert Section

Navigation Map

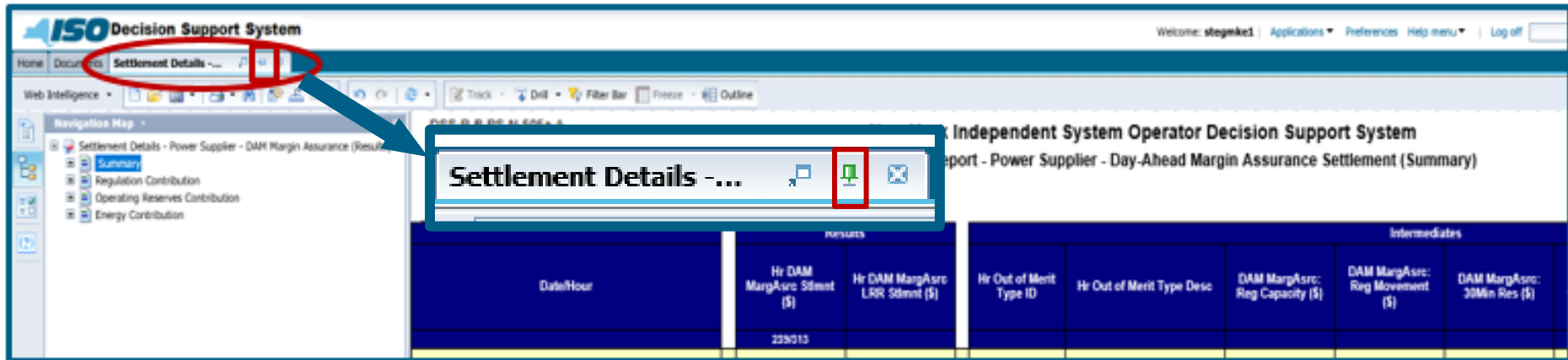
Summary
Regulation Contribution
Operating Reserves Contribution
Energy Contribution

New York Independent System Operator Decision Support System
Settlement Detail Report - Power Supplier - Day-Ahead Margin Assurance Settlement (Summary)

Invoice Version:
Organization/Generator:

Date/Hour	Results		Intermediates						
	Hr DAM MargAsrc Stmnt (\$)	Hr DAM MargAsrc LRR Stmnt (\$)	Hr Out of Merit Type ID	Hr Out of Merit Type Desc	DAM MargAsrc: Reg Capacity (\$)	DAM MargAsrc: Reg Movement (\$)	DAM MargAsrc: 30Min Res (\$)	DAM MargAsrc: 10NSync Res (\$)	DAM MargAsrc: 10Sync Res (\$)
	238/313								
04/03/2016 00	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 01	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 02	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 03	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 04	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 05	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 06	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 07	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 08	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 09	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 10	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 11	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 12	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 13	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 14	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 15	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 16	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 17	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 18	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 19	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 20	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 21	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 22	0.00	0.00			0.00	0.00	0.00	0.00	0.00
04/03/2016 23	0.00	0.00			0.00	0.00	0.00	0.00	0.00

DSS Corporate Reports



ISO Decision Support System

Welcome: stegenke1 | Applications | Preferences | Help menu | Log off

Home Documents Settlement Details -...

Web Intelligence

Navigation Map

- Settlement Details - Power Supplier - DAM Margin Assurance (Results)
- Summary
- Regulation Contribution
- Operating Reserves Contribution
- Energy Contribution

Independent System Operator Decision Support System

Report - Power Supplier - Day-Ahead Margin Assurance Settlement (Summary)

Date/Hour	Purchases		Intermediates				
	Hr DAM MargAsrc: 50mnt (\$)	Hr DAM MargAsrc: LRR 50mnt (\$)	Hr Out of Merit Type ID	Hr Out of Merit Type Desc	DAM MargAsrc: Reg Capacity (\$)	DAM MargAsrc: Reg Movement (\$)	DAM MargAsrc: 30Min Res (\$)
	223013						

DSS Corporate Reports

ISO Decision Support System

Home Documents

Home | Admin Page

Last Successful Update Time

Customer Settlements Last Successful Update Time:
Oct 30, 2019 3:23:49 AM

Public Market Data Last Successful Update Time:
Oct 30, 2019 7:29:32 AM

You have no ADD Requests.

Navigation

Home

Admin Page

Send To ←

Automated Data Delivery Links

Retrieve Files

Enter New Request

View/Modify/Delete Request for Files

ISO Decision Support System
Welcome: train01 | Applications | Help menu | Log off

Home Documents
Current User: train01

Home | Admin Page

Send To

Documents Available to Send

Docs

PS Demo 1

Task 1LSE

Task 2 PS

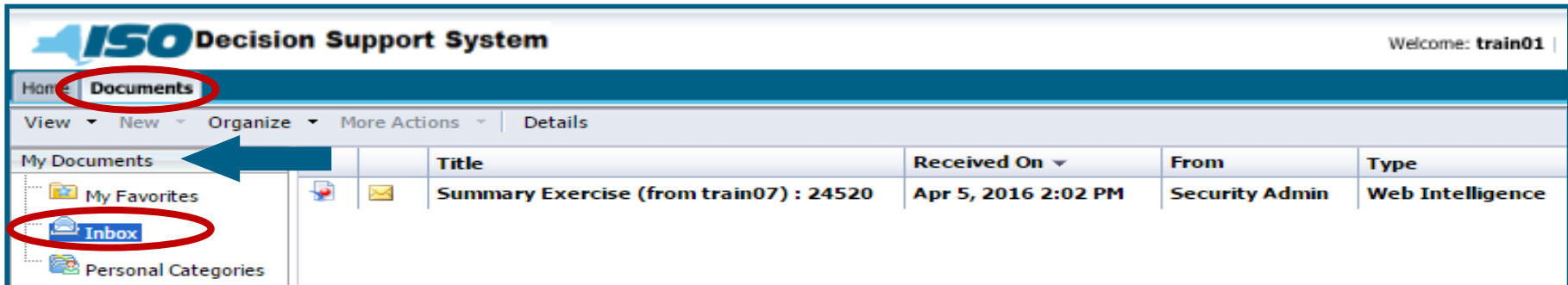
Potential Document Recipients

User Id	Name
<input type="checkbox"/> train01	train train
<input type="checkbox"/> train02	train train
<input type="checkbox"/> train03	train train
<input type="checkbox"/> train04	train train
<input type="checkbox"/> train05	train train
<input type="checkbox"/> train06	train train
<input type="checkbox"/> train07	train train

My Orgs
 NYISO Users
 All Users




DSS Corporate Reports



ISO Decision Support System Welcome: train01 |

Home **Documents**

View ▾ New ▾ Organize ▾ More Actions ▾ Details

My Documents		Title	Received On ▾	From	Type
<ul style="list-style-type: none"> My Favorites Inbox Personal Categories 		Summary Exercise (from train07) : 24520	Apr 5, 2016 2:02 PM	Security Admin	Web Intelligence

DSS 101

Introduction to Decision Support System

E-Learning Module 4: Automated Data Delivery (ADD)

DSS 101

COURSE OBJECTIVES: Participants will be able to

Module 1: Getting Started

- Explain how to access DSS

Module 2: Primer

- Define “Decision Support System” (DSS)
- Identify the benefits of using DSS
- List various reports available within DSS

Module 3: Corporate Reports

- Understand how to access DSS Corporate Reports

DSS 101

COURSE OBJECTIVES: Participants will be able to

Module 1: Getting Started

- Explain how to access DSS

Module 2: Primer

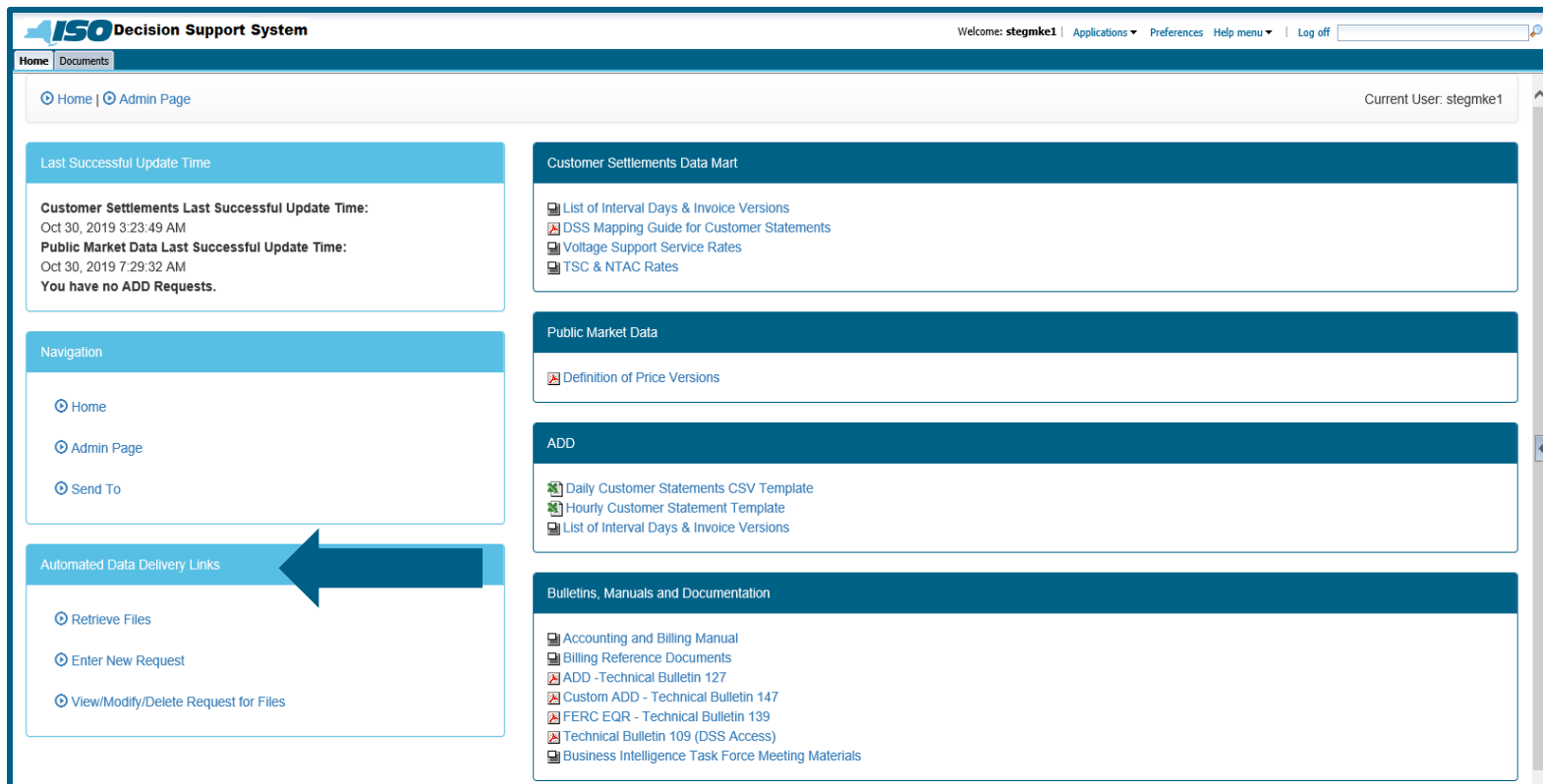
- Define “Decision Support System” (DSS)
- Identify the benefits of using DSS
- List various reports available within DSS

Module 3: Corporate Reports

- Understand how to access DSS Corporate Reports

Automated Data Delivery (ADD)

Advisory Billing Information



ISO Decision Support System | Welcome: stegmke1 | Applications | Preferences | Help menu | Log off

Home | Documents | Current User: stegmke1

Home | Admin Page

Last Successful Update Time

Customer Settlements Last Successful Update Time:
Oct 30, 2019 3:23:49 AM

Public Market Data Last Successful Update Time:
Oct 30, 2019 7:29:32 AM

You have no ADD Requests.

Customer Settlements Data Mart

- List of Interval Days & Invoice Versions
- DSS Mapping Guide for Customer Statements
- Voltage Support Service Rates
- TSC & NTAC Rates

Public Market Data

- Definition of Price Versions

ADD

- Daily Customer Statements CSV Template
- Hourly Customer Statement Template
- List of Interval Days & Invoice Versions

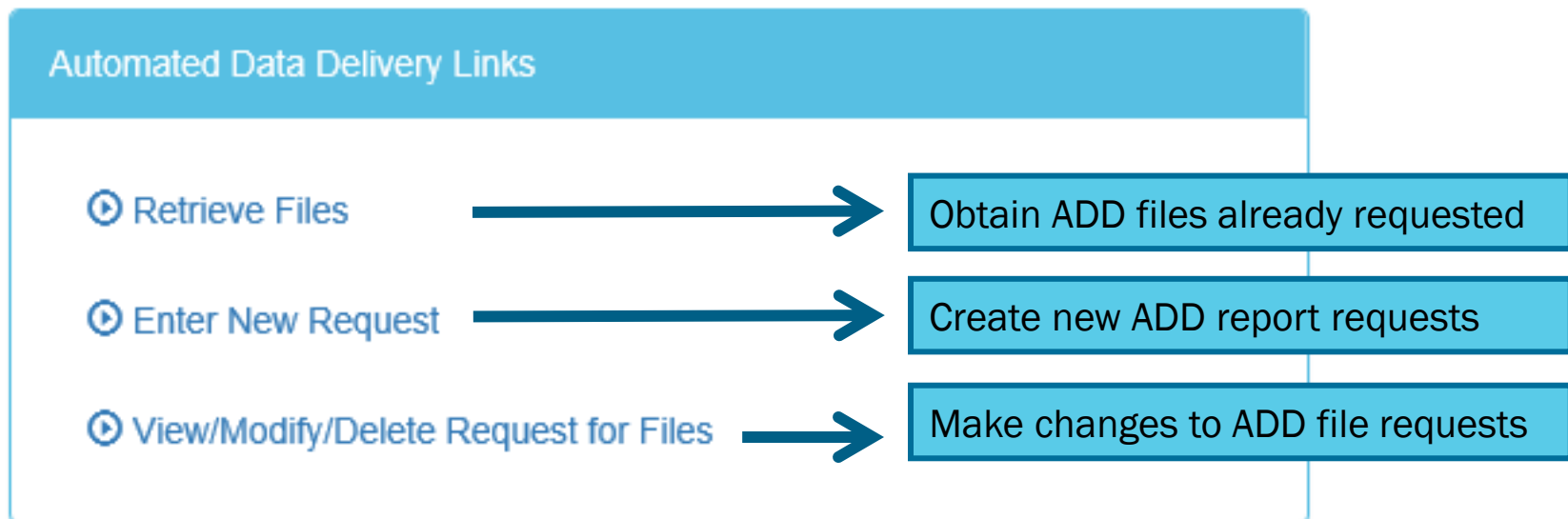
Automated Data Delivery Links

- Retrieve Files
- Enter New Request
- View/Modify/Delete Request for Files

Bulletins, Manuals and Documentation

- Accounting and Billing Manual
- Billing Reference Documents
- ADD -Technical Bulletin 127
- Custom ADD - Technical Bulletin 147
- FERC EQR - Technical Bulletin 139
- Technical Bulletin 109 (DSS Access)
- Business Intelligence Task Force Meeting Materials

Automated Data Delivery Links



Automated Data Delivery

NISO Decision Support System

Welcome: **stegmke1** | Applications ▾ | Preferences | Help menu ▾ | Log off 🔍

Home | Documents
Current User: stegmke1

Select Type for New Request

Format Type	Release	Effective Date
Daily Customer Statement V6.4 Description: Daily Customer Statement Version 6.4 is the Daily Customer Statement file format.	6.4	Oct 23, 2018 8:09:21 PM
Hourly Customer Statement V6.3 Description: Hourly Customer Statement Version 6.3 is the Hourly Customer Statement file format.	6.3	Apr 25, 2017 6:07:45 PM
FERC EQR Transaction File V4.0 Description: FERC EQR Transaction File is a comma separated value file which contains reportable transactions in the Electric Quarterly Report that is filed with the Federal Energy Regulatory Commission. The records in the file are limited to Energy and Ancillary Services transactions where the New York Independent System Operator is the counterparty to the organization requesting the file. The file is uploadable into the FERC EQR software. For more information on the FERC EQR process, please visit FERC.gov. This file corresponds to the FERC EQR Data Dictionary V3.4.	4.0	May 9, 2018 12:00:00 AM
FERC EQR Trans File - Bilat Energy Contracts V3.0 Description: FERC EQR Transaction File for Bilateral Energy Contracts is a comma separated value file which contains transaction details related to Bilateral Energy Contracts. This file is meant to be a starting point for creating transaction files containing all of the reportable details related to Bilateral Energy Contracts. Users requesting this file will need to provide additional details, such as energy prices, and transaction charges to complete the file. Once completed, the file is uploadable into the FERC EQR software. For more information on the FERC EQR process, please visit FERC.gov. This file corresponds to the FERC EQR Data Dictionary V3.4.	3.0	May 9, 2018 12:00:00 AM
Invoice Version Manager V1.0 Description: The Invoice Version Manager contains details on the Invoice Version history for billing days that are invoiced on the date the file is generated in the DSS. For invoiced billing days in the file, it contains the date that the Invoice Version changed from Invoice Version 0, the old Invoice Version number, the new Invoice Version number, and the date the day was loaded into the DSS. This file is designed to provide users with the new Invoice Version number for all days included in a given invoice. This file is able to be scheduled as a recurring request and is generated on the date that Invoice Versions are updated in the DSS.	1.0	May 1, 2005 12:00:00 AM

Automated Data Delivery Links

- [Retrieve Files](#)
- [Enter New Request](#)
- [View/Modify/Delete Request for Files](#)

ADD

- [Daily Customer Statements CSV Template](#)
- [Hourly Customer Statement Template](#)
- [List of Interval Days & Invoice Versions](#)

Automated Data Delivery

NYISO Decision Support System

[Home](#) | [Documents](#) | [Applications](#) | [Preferences](#) | [Help menu](#) | [Log off](#)

[Home](#) | [Admin Page](#)
Current User: stegmke1

Automated Data Delivery Links

- [Retrieve Files](#)
- [Enter New Request](#)
- [View/Modify/Delete Request for Files](#)

ADD

- [Daily Customer Statements CSV Template](#)
- [Hourly Customer Statement Template](#)
- [List of Interval Days & Invoice Versions](#)

Request Options

Requested Format Type: Daily Customer Statement V6.4

Requested Format Type Description: Daily Customer Statement Version 6.4 is the Daily Customer Statement file format.

Organization:

Request Description:

Schedule Frequency

Recurring (Request processed each morning)

All Billing Days loaded to DSS Today
 Current Billing Day Only (Advisory File)
 Current Month Billing Days loaded to DSS today

One Time Request

One Specific Day/Version
 Year:
 Month:
 Day:
 Version:

All Billing Days Loaded to DSS Between These Dates (limited to 7 days)
 Load Start:
 Load End:

Billing Days Between (limited to 31 days)
 Start Date:
 End Date:
 Version:

Automated Data Delivery

Retrieve Files

	File Name	File Creation Date
<input type="checkbox"/>	xxxxxxx_2017_05_19_v00_Hourly Company Name	May 30, 2017 1:50:00 PM

[Refresh](#) [Delete Selected](#) [Download Checked](#)

Automated Data Delivery Links

- [Retrieve Files](#)
- [Enter New Request](#)
- [View/Modify/Delete Request for Files](#)

ADD

-  Daily Customer Statements CSV Template
-  Hourly Customer Statement Template
-  List of Interval Days & Invoice Versions

Automated Data Delivery

	A	B	C	D	
1	POWER SUPPLIERS				
2	100	200	201	101	
3	Org name	Gen name	Gen PtId	Start day	Start ho
4	LSE LBMP ENERGY				
5	100	400	401	101	
6	Org name	LSE name	Bus name	Start day	Start ho
7	TRANSACTIONS				
8	100	400	500	101	
9	Org name	LSE name	Trans Id	Start day	Start ho
10	TRANSACTIONS LBMP ENERGY				
11	100	400	500	101	
12	Org name	LSE name	Trans Id	Start day	Start ho
13	ANCILLARY SERVICES				
14	100	400	101	102	
15	Org name	LSE name	Start day	Start hour	Hrly Anu
16	TCC				
17	100	900	101	102	
18	Org name	TCC Contract ID	Start day	Start hour	Tcc cre
19	DEMAND RESPONSE PROGRAMS				
20	100	2000	2001	101	
21	Org name	Demand Reduction Provider Name	Demand Reduction Provider TPID	Start day	Start ho
22	VIRTUAL BIDDING PROGRAM				
23	100	400	3000	3001	
24	Org name	LSE name	Virtual Bidding Bus Name	Virtual Bidding Bus PTID	Start da
25					
26					

Questions?

For any future assistance, please contact NYISO Stakeholder Services at stakeholder_services@nyiso.com or by phone at (518) 356-6060

DSS 101

Introduction to Decision Support System

Supporting Documentation

DSS 101

COURSE OBJECTIVES: Participants will be able to

Module 1: Getting Started

- Explain how to access DSS

Module 2: Primer

- Define “Decision Support System” (DSS)
- Identify the benefits of using DSS
- List various reports available within DSS

Module 3: Corporate Reports

- Understand how to access DSS Corporate Reports

Module 4: Automated Data Delivery (ADD)

- Request an Automated Data Delivery (ADD) File

Module 1: Getting Started

Accessing DSS


GUIDE 01

Market Participants User's Guide


◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆◆

4.4 Digital Certificates

In this section, the terms digital Certificate and certificate are used interchangeably.

All Users must have a valid digital certificate installed on their respective computers and specific to the browser of their choice in order to access the NYISO MIS and the Decision Support System (DSS). This will provide a secure connection between the NYISO's computer systems and the Market Participant's computer system.

Each Market Participant and its MIS Administrator must establish a digital certificate User policy for its organization. There are three primary issues when considering and establishing a digital certificate User policy— security, logging-in, and reliability. For example, if a common certificate is used within a Market Participants' organization, system-use by individuals cannot be monitored. In addition, ALL Users within the organization would be denied access if the certificate expires or becomes unusable. The MIS Administrator and the Main Contact should review their specific needs and develop specific policies that will best meet their organization's needs.


TECHNICAL BULLETIN 109

6/27/2003, revised 2007, 2009, 2010, recertified 9/14/11, recertified 07/29/14, 12/14/2015

Subject: Registering for Access to the NYISO Decision Support System (DSS)

Access to the NYISO DSS is password protected and restricted to authorized Market Participants. Individuals that desire access to the NYISO DSS must register for an account, and be approved by their organization's DSS Administrator.

Table of Contents

Browser and Security Requirements.....	1
DSS Registration Process for Users.....	2
Requesting Additional DSS Access.....	10
DSS Registration Process for DSS Administrators.....	15
DSS Administrator Duties and Responsibilities.....	17

Resources from NYISO website



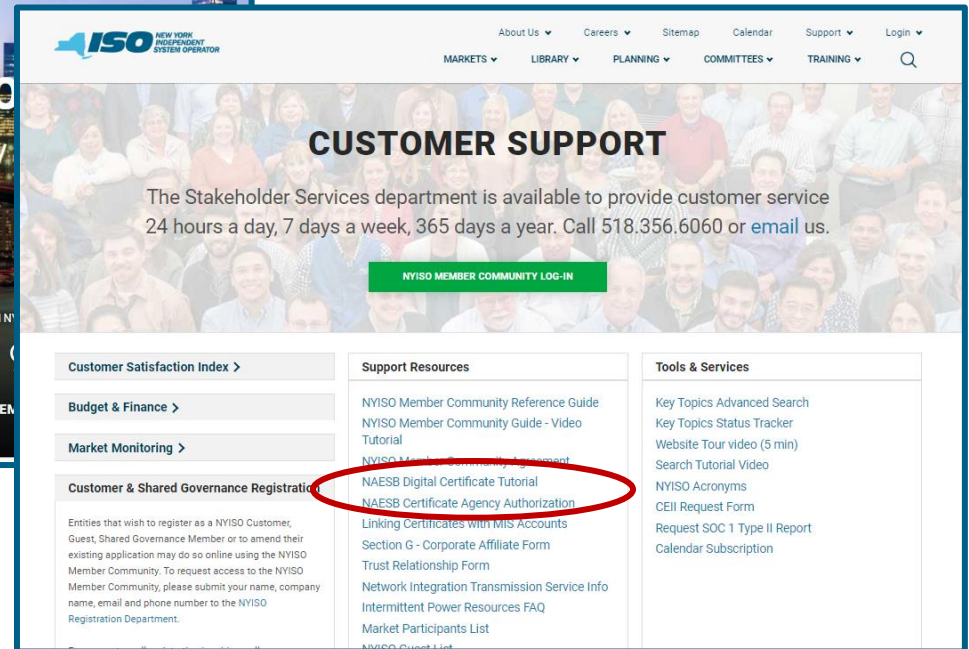
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PEOPLE WHO POWER NEW YORK

Reliably managing NY's power grid & wholesale energy.

[LEARN MORE ABOUT US](#)

Million	Megawatts (MW)	Wholesale Cost/MWh	Official NY
19.8	17,038	\$13.24	
NEW YORKERS SERVED	NY REAL-TIME LOAD	DAY AHEAD MARKET	SYSTEM



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[MARKETS](#) | [LIBRARY](#) | [PLANNING](#) | [COMMITTEES](#) | [TRAINING](#)

CUSTOMER SUPPORT

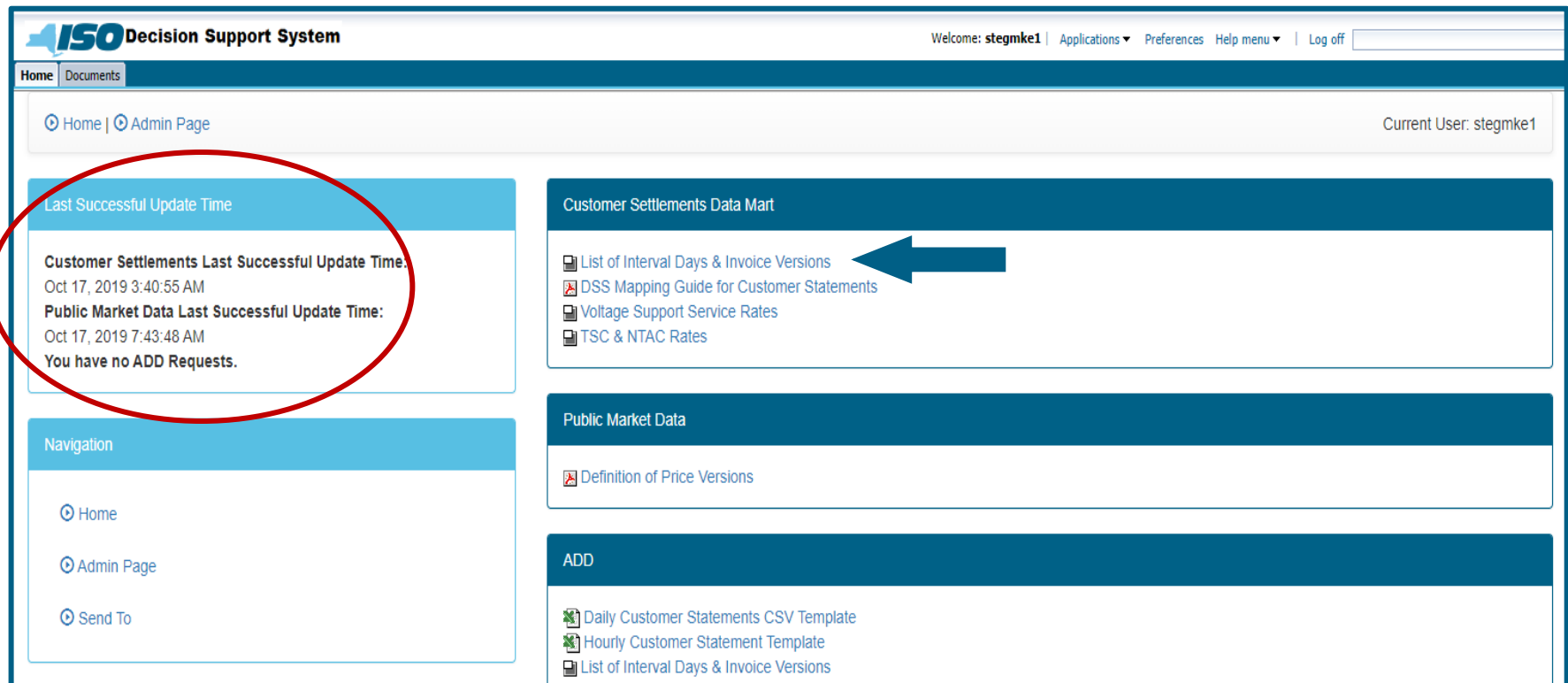
The Stakeholder Services department is available to provide customer service 24 hours a day, 7 days a week, 365 days a year. Call 518.356.6060 or [email us](#).

[NYISO MEMBER COMMUNITY LOG-IN](#)

<p>Customer Satisfaction Index ></p> <p>Budget & Finance ></p> <p>Market Monitoring ></p> <p>Customer & Shared Governance Registration</p> <p>Entities that wish to register as a NYISO Customer, Guest, Shared Governance Member or to amend their existing application may do so online using the NYISO Member Community. To request access to the NYISO Member Community, please submit your name, company name, email and phone number to the NYISO Registration Department.</p>	<p>Support Resources</p> <ul style="list-style-type: none"> NYISO Member Community Reference Guide NYISO Member Community Guide - Video Tutorial NYISO Member Community Enrollment NAESB Digital Certificate Tutorial NAESB Certificate Agency Authorization Linking Certificates with MIS Accounts Section G - Corporate Affiliate Form Trust Relationship Form Network Integration Transmission Service Info Intermittent Power Resources FAQ Market Participants List NYISO Guest List 	<p>Tools & Services</p> <ul style="list-style-type: none"> Key Topics Advanced Search Key Topics Status Tracker Website Tour video (5 min) Search Tutorial Video NYISO Acronyms CEII Request Form Request SOC 1 Type II Report Calendar Subscription
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Module 2: Primer

Decision Support System



Decision Support System | Welcome: **stegmke1** | Applications ▾ | Preferences | Help menu ▾ | Log off

Home | Documents

Home | Admin Page | Current User: stegmke1

Last Successful Update Time

Customer Settlements Last Successful Update Time:
Oct 17, 2019 3:40:55 AM

Public Market Data Last Successful Update Time:
Oct 17, 2019 7:43:48 AM

You have no ADD Requests.

Customer Settlements Data Mart

- List of Interval Days & Invoice Versions
- DSS Mapping Guide for Customer Statements
- Voltage Support Service Rates
- TSC & NTAC Rates

Public Market Data

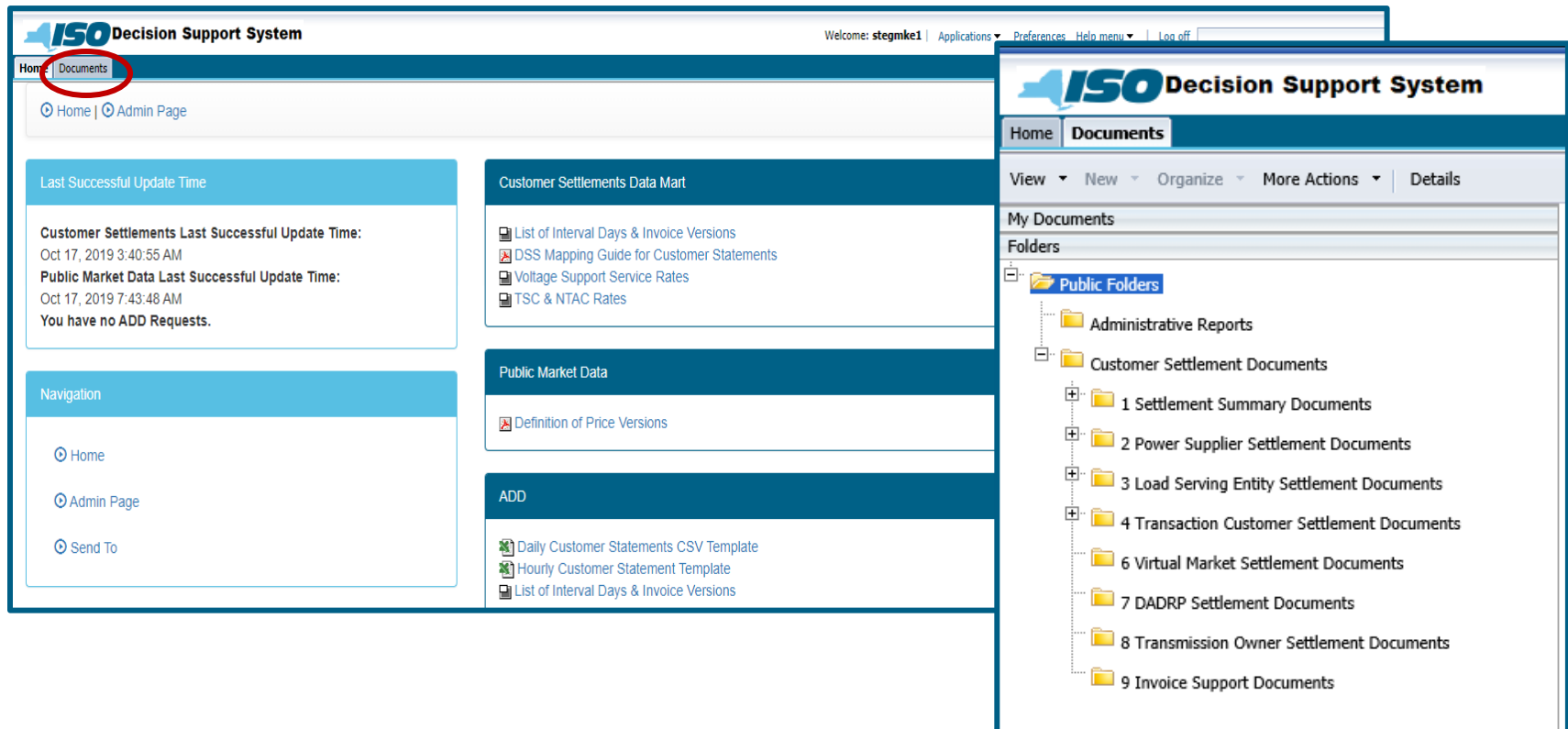
- Definition of Price Versions

ADD

- Daily Customer Statements CSV Template
- Hourly Customer Statement Template
- List of Interval Days & Invoice Versions

Module 3: Corporate Reports

DSS Corporate Reports



The screenshot displays the AISO Decision Support System interface. The main navigation bar includes 'Home' and 'Documents', with 'Documents' highlighted and circled in red. Below the navigation bar, the 'Documents' page is shown, featuring a 'My Documents' section with a 'Public Folders' tree. The tree structure is as follows:

- Public Folders
 - Administrative Reports
 - Customer Settlement Documents
 - 1 Settlement Summary Documents
 - 2 Power Supplier Settlement Documents
 - 3 Load Serving Entity Settlement Documents
 - 4 Transaction Customer Settlement Documents
 - 6 Virtual Market Settlement Documents
 - 7 DADRP Settlement Documents
 - 8 Transmission Owner Settlement Documents
 - 9 Invoice Support Documents

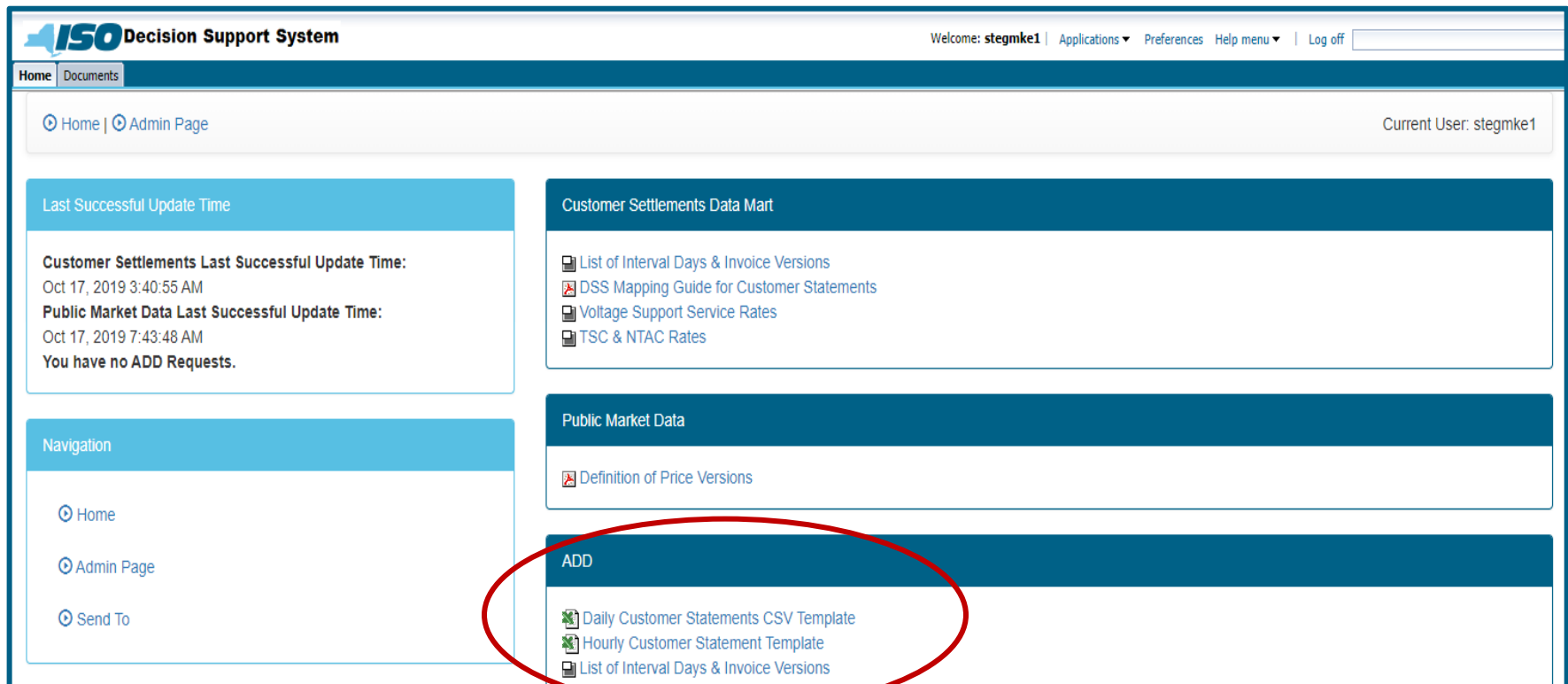
The main content area of the 'Documents' page is divided into several sections:

- Last Successful Update Time:**
 - Customer Settlements Last Successful Update Time: Oct 17, 2019 3:40:55 AM
 - Public Market Data Last Successful Update Time: Oct 17, 2019 7:43:48 AM
 - You have no ADD Requests.
- Customer Settlements Data Mart:**
 - List of Interval Days & Invoice Versions
 - DSS Mapping Guide for Customer Statements
 - Voltage Support Service Rates
 - TSC & NTAC Rates
- Public Market Data:**
 - Definition of Price Versions
- ADD:**
 - Daily Customer Statements CSV Template
 - Hourly Customer Statement Template
 - List of Interval Days & Invoice Versions

The left sidebar contains a 'Navigation' section with links to Home, Admin Page, and Send To.

Module 4: Automated Data Delivery (ADD)

DSS Automated Data Delivery (ADD)



The screenshot displays the DSS Decision Support System interface. The top navigation bar includes the ISO logo, the text "Decision Support System", and a user welcome message: "Welcome: stegmke1 | Applications | Preferences | Help menu | Log off". Below the navigation bar, there are tabs for "Home" and "Documents". The main content area is divided into several sections:

- Last Successful Update Time:** A section with a blue header containing update times for "Customer Settlements" (Oct 17, 2019 3:40:55 AM) and "Public Market Data" (Oct 17, 2019 7:43:48 AM), followed by the text "You have no ADD Requests."
- Customer Settlements Data Mart:** A section with a blue header containing a list of links: "List of Interval Days & Invoice Versions", "DSS Mapping Guide for Customer Statements", "Voltage Support Service Rates", and "TSC & NTAC Rates".
- Public Market Data:** A section with a blue header containing a link: "Definition of Price Versions".
- ADD:** A section with a blue header containing a list of links: "Daily Customer Statements CSV Template", "Hourly Customer Statement Template", and "List of Interval Days & Invoice Versions". This section is circled in red.

On the left side, there is a "Navigation" section with links for "Home", "Admin Page", and "Send To". The top right corner of the main content area displays "Current User: stegmke1".

Supporting Documentation

■ ADD - Advisory Files

- Technical Bulletin #127
- Customer Statements to DSS Mapping



TECHNICAL BULLETIN

127

6/3/2005

Subject: Accessing Customer Statement Files through the Decision Support System (DSS)

NYISO Customers may access customer statement files in comma separated value (CSV) format directly through the DSS Automated Data Delivery (ADD) tool.

Details:

Background

Settlement advisory files are available through the Automated Data Delivery (ADD), a subsystem of the Decision Support System (DSS). The ADD allows customers to dynamically access customer settlement data - specifically daily and hourly customer statement files - directly from the DSS.

Additionally, Market Participants may create Transaction Import Files for the Federal Energy Regulatory Commission Electric Quarterly Report (FERC EQR) through the ADD. This functionality is described in Technical Bulletin 139, "The NYISO Decision Support System (DSS) and the FERC Electric Quarterly Report (EQR)."



NYISO Customer Statements Data Dictionary to DSS Data Objects Mapping

Effective: April 1, 2008

FILE TWO: Hourly Data

I. Power Supplier Data (Hourly)

Code	Column Header	Data Type	Element Type	Description	Payment To/From	Primary DSS Universe DSS Class	DSS Object Name
100	Org Name	VARCHAR(250)	ID	Name of the Organization		Cust Stmt - Power Suppliers Organization	ORG Name
200	Gen name	VARCHAR(250)	ID	Name for the Generator		Cust Stmt - Power Suppliers Generators	Gen Name
201	Gen Pntd	NUMBER(5)	ID	NYISO assigned point identifier		Cust Stmt - Power Suppliers Generators	Gen PTID
101	Start day	DATE Format: MONDD/YYYY	Date	Start Date		Cust Stmt - Power Suppliers Time/Day	Interval Start Day (Eastern) <small>Note: Format is slightly different. DSS format is MM/DD/YYYY.</small>
102	Start hour	NUMBER(2)	Hour	Start Hour		Cust Stmt - Power Suppliers Time/Hour	Interval Start Hour (Eastern)
202	Day Ahead Hly LBMP MWh	NUMBER(17,4)	MWh	LBMP MWhs sold Day-Ahead, based on incremental bid may be 0 which results in a purchase of LBMP MWhs Day-Ahead (Day-Ahead Scheduled MWhs - Bilateral Transaction MWhs)	== Sale to the ISO	Cust Stmt - Power Suppliers DAM Energy Settlement/Hourly/Billing Determinants	Hr NYISO DAM Energy (MWh)
203	Day Ahead Hly LBMP \$	NUMBER(15,2)	\$\$	LBMP price at this generator bus		Cust Stmt - Power Suppliers DAM Energy Settlement/Hourly/Billing Determinants	DAM Total Price: Gen (\$/MWh)
204	Day Ahead forward Energy \$	NUMBER(15,2)	\$\$	Generator total DAM LBMP value	== Dam Generator	Cust Stmt - Power Suppliers DAM Energy Settlement/Hourly/Billing Results	Hr Total DAM \$/MWh: Gen (\$)
205	Day Ahead BPCO \$	NUMBER(15,2)	\$\$	Generator bid production cost	== Dam Generator	Cust Stmt - Power Suppliers DAM BPCO Settlement/Intermediate Calculations	Hr DAM Total Net Cost (\$)