

Regional Network Service (RNS) & Through or Out Service (TOUT)

WebEx Conference Broadcast
November 3, 2010

Revised 11/4/10

Before We Begin

- Presentation available on the ISO New England (ISO) Web site:
[Support >Training >Training Materials>Settlement Enhancements](#)
- General WebEx Usage
 - Questions & Answers
 - Interactivity
- Evaluation
- References
- Questions & Answers

Disclaimer for Market Training

ISO New England provides training to advance participant and stakeholder understanding of the New England Markets.

Since not all issues and requirements are addressed by the training, participants and other stakeholders should not rely solely on this training for information but should consult the effective Markets, Services and Transmission Tariff (“Tariff”) and the relevant Market Manuals, Operating Procedures and Planning Procedures (“Procedures”).

In case of a discrepancy between training provided by ISO and the Tariff or Procedures, the meaning of the Tariff and Procedures shall govern.

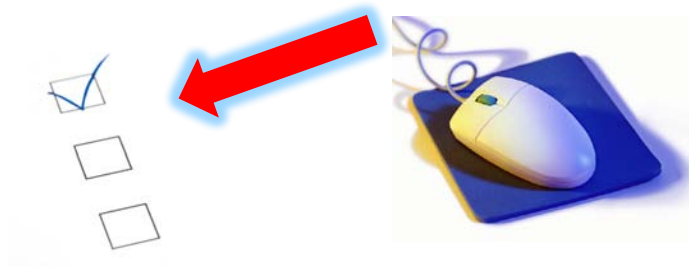
Session Details

- Presenter
 - Tammy Brakey, Monthly Settlements
- Panelist
 - Debbi DiFiore, Business Analysis

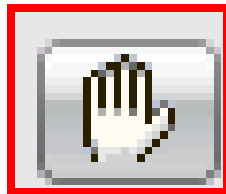
Company names and numerical values are to be considered fictitious and are not to be associated with any actual or real market system customer.

Polling in Progress

- Presentation has been paused for 3 minutes



- Click the “raise hand” icon to indicate your Poll has been submitted



Course Goal

- To provide information on
 - settlement enhancements for Regional Network Service (RNS) and Through or Out Service (TOUT)
 - changes to the Market Information Server (MIS) reports
 - details for Bill Line item changes
 - when RNS and TOUT changes will be implemented



Settlement
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Improved Areas

- Precision
- Rounding
- Market Information Server (MIS) Reports

Increased Decimal Precision

- Related to payment allocation
 - Five decimal places
- Ability to use negative Revenue Requirement allocation
 - Requested by Transmission Owners

		Monthly Customer Payments			Monthly Pool Totals	
DUNS Number	DUNS Name	Participants OATT Schedule 1 Revenue Requirements Dollars	Participants OATT Schedule 1 Revenue Requirements Percent	OATT Schedule 1 RNS Payment	Pool OATT Schedule 1 RNS Charge	Pool OATT Schedule 1 Revenue Requirements Dollars
String	String	\$	%	\$	\$	\$
00-000-0000	ABC Company	4090739.00	13.18997%	341926.43	2592321.50	31014006.00
11-111-1111	DEF Company	-152839.00	-0.49281%	-12775.22	2592321.50	31014006.00

Reservation Amount

- Summing the Reservation Amount megawatts by Point of Receipt (POR) / Point of Delivery (POD) pair enhances calculation precision

Customer Details							Charge Details	
DUNS Number	Duns Name	Point of Receipt	Point of Delivery	Reservation Amount	OATT Schedule 1 Rate	OATT Schedule 1 TOUT Charge		
String	String	String	String	MW	\$/MW-Hour	\$		
00-000-0000	ABC Company	ISNE PTF	NY NE BORDER	100.000	0.2874257	-28.74		

OASIS Assignment Reference	Point of Receipt	Point of Delivery	Transmission Priority	Duration	Start Date	End Date	Reservation Amount	OATT Schedule 1 Rate	OATT Schedule 1 TOUT Charge
Number	String	String	String	String	Date	Date	MW	\$/MW-Hour	\$
99990	ISNE PTF	NY NE BORDER	FIRM	HOURLY	8/1/2010 12:00:00 PM	8/1/2010 1:00:00 PM	10.000	0.2874257	-2.87
99991	ISNE PTF	NY NE BORDER	FIRM	HOURLY	8/1/2010 3:00:00 PM	8/1/2010 4:00:00 PM	10.000	0.2874257	-2.87
99992	ISNE PTF	NY NE BORDER	FIRM	HOURLY	8/1/2010 4:00:00 PM	8/1/2010 5:00:00 PM	10.000	0.2874257	-2.87
99993	ISNE PTF	NY NE BORDER	FIRM	HOURLY	8/1/2010 9:00:00 PM	8/1/2010 10:00:00 PM	10.000	0.2874257	-2.87
99994	ISNE PTF	NY NE BORDER	FIRM	HOURLY	8/1/2010 3:00:00 PM	8/1/2010 4:00:00 PM	10.000	0.2874257	-2.87
99995	ISNE PTF	NY NE BORDER	FIRM	HOURLY	8/1/2010 4:00:00 PM	8/1/2010 5:00:00 PM	10.000	0.2874257	-2.87
99996	ISNE PTF	NY NE BORDER	FIRM	HOURLY	8/1/2010 9:00:00 PM	8/1/2010 10:00:00 PM	10.000	0.2874257	-2.87
99997	ISNE PTF	NY NE BORDER	FIRM	HOURLY	8/2/2010 3:00:00 AM	8/2/2010 4:00:00 AM	10.000	0.2874257	-2.87
99998	ISNE PTF	NY NE BORDER	FIRM	HOURLY	8/2/2010 7:00:00 AM	8/2/2010 8:00:00 AM	10.000	0.2874257	-2.87
99999	ISNE PTF	NY NE BORDER	FIRM	HOURLY	8/2/2010 1:00:00 AM	8/2/2010 2:00:00 AM	10.000	0.2874257	-2.87

100.000	-28.70
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Settlement Enhancements

- Ability to run Schedules separately
 - Enhanced timeliness of MIS reports
 - TOUT reports may be released prior to the 20th of the month
 - Removed the settlement process dependency between ISO Self Funding Tariff (SFT) Schedules and Open Access Transmission Tariff (OATT) Schedules
 - Delays in rate development for either ISO SFT or OATT will not hinder other settlements



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MIS Report Types

BL – Billing
SD – Settlement Detail
SR – Settlement Report
TR – Tariff Report
SS – Standard Settlement
SP – Special

New MIS Report Location

- MIS Report information available via File Transfer Protocol (FTP) site
 - Secure site
 - Security Administrator (SA) assigns FTP access
 - Access required in order to view reports
 - Comma Separated Value (CSV) format
 - New reports contain company-specific information

Removed from Web

- Effective with the October 2010 settlement
 - Initial and Data Reconciliation Process (DRP) Settlements



MIS Report Changes

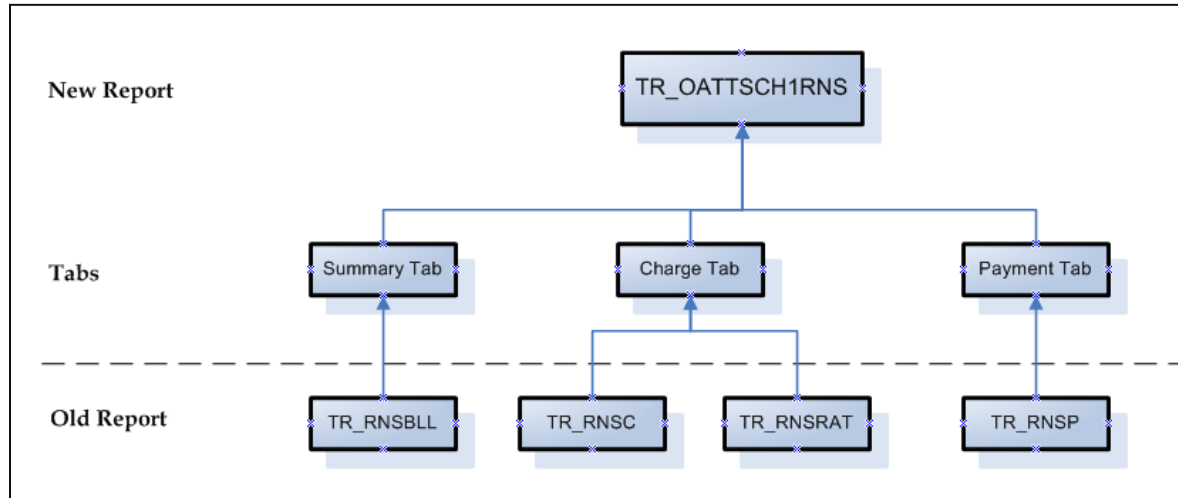
- Consolidated reports by Schedule
 - Each of the OATT & ISO SFT RNS & TOUT schedules will have its own report
 - With Tabs:
 - Summary
 - Charge Detail
 - Pmt Detail
 - (TOUT Only) Reservation Detail



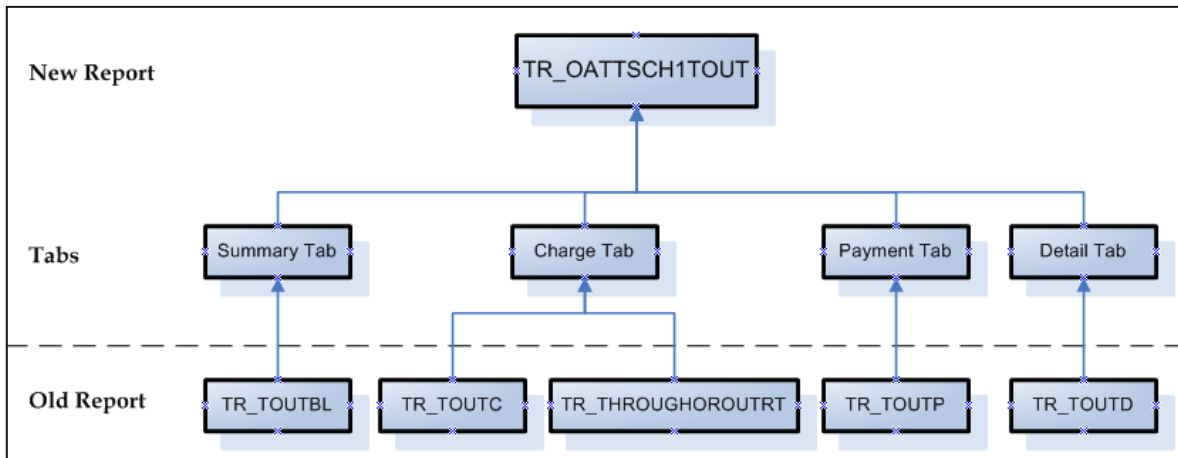
Exception: The ISO Schedule 1 RNS and ISO Schedule 5 RNS reports contain only the Charge tab

MIS Report Mapping

RNS



TOUT



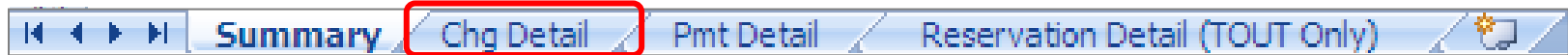
Summary Tab – RNS & TOUT



- Replaces the Bill reports **TR_RNSBLL** and **TR_TOUTBL**
- Net amount will assist with invoice reconciliation

Charge	Payment	Net
\$	\$	\$
-186735.64	354702.17	167966.53

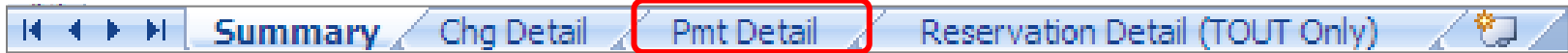
Charge Detail Tab – RNS & TOUT



- Replaces Charge Reports **TR_RNSC** and **TR_TOUTC**
- Replaces Rate Reports **TR_RNS_RAT** and **TR_THROUGHOUTRT**
- Reports include Rate used in the calculation
- Total Network Load for the month is displayed as Pool Network Load
- Reservations for TOUT service are summed by POR/POD pair

Customer Details				Network Load Information		Charge Details	
Network Load ID	DUNS Number	DUNS Name	Network Load Name	Pool Network Load Value	Network Load Value	OATT Schedule 1 Rate	OATT Schedule 1 RNS Charge
Number ▾	String ▾	String ▾	String ▾	kW ▾	kW ▾	\$/kW-Month ▾	\$ ▾

Payment Detail Tab – RNS & TOUT



- Replaces the Payment Reports **TR_RNSP** and **TR_TOUTP**
- Includes the total charge dollars to be allocated as well as the total revenue requirement

Customer Details				Pool Details		Payment
DUNS Number	DUNS Name	Participants OATT Schedule 1 Revenue Requirements Dollars	Participants OATT Schedule 1 Revenue Requirements Percent	Pool OATT Schedule 1 RNS Charge	Pool OATT Schedule 1 Revenue Requirements Dollars	OATT Schedule 1 RNS Payment
String	String	\$	%	\$	\$	\$

Reservation Detail Tab – TOUT Only



- Replaces the **TR_TOUTD** report
- Represents Reservation details at an hourly level for Through or Out Service

Customer Details									
DUNS Number	Duns Name	OASIS Assignment Reference	Point of Receipt	Point of Delivery	Transmission Priority	Duration	Start Date	End Date	Reservation Amount
String	String	Number	String	String	String	String	Date	Date	MW

Daily Financial Position Changes

- Line items will be changing as a result of the enhancements to the RNS and TOUT settlement process
- Line items will apply to all RNS and TOUT settlements regardless of the month being settled effective 12/1/2010

Existing Line Item Description	New Line Item Description
ISO Schedule 1 for RNS	ISO Schedule 1 RNS
ISO Schedule 1 for TOUT	ISO Schedule 1 TOUT
OATT-Regional Network Service	OATT Schedule 1 RNS
	OATT Schedule 9 RNS
OATT-Through or Out Service	OATT Schedule 1 TOUT
	OATT Schedule 8 TOUT



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Simplified Bill Reconciliation

- Separate Bill Line items by Schedule

Existing Bill Line Item Description	New Bill Line Item Description
ISO Schedule 1 for RNS	ISO Schedule 1 RNS
ISO Schedule 1 for TOUT	ISO Schedule 1 TOUT
ISO Schedule 5 for NESCOE	ISO Schedule 5 NESCOE
OATT-Regional Network Service	OATT Schedule 1 RNS
	OATT Schedule 9 RNS
OATT-Through or Out Service	OATT Schedule 1 TOUT
	OATT Schedule 8 TOUT

New Bill Line Items

DESCRIPTION	BILL FROM/ BILL TO	DOCUMENT REF.	NET AMOUNT
6 ISO Schedule 1 RNS 0.000	08/01/2010 00:00 09/01/2010 00:00		41,470.84
7 ISO Schedule 1 RNS 0.000	06/01/2010 00:00 07/01/2010 00:00		0.00
8 ISO Schedule 1 TOUT 0.000	08/01/2010 00:00 09/01/2010 00:00		-5,285.18
9 ISO Schedule 1 TOUT 0.000	06/01/2010 00:00 07/01/2010 00:00		1,085.68
10 ISO Schedule 5 NESCOE 0.000	08/01/2010 00:00 09/01/2010 00:00		20,227.16
11 ISO Schedule 5 NESCOE 0.000	06/01/2010 00:00 07/01/2010 00:00		0.00
15 OATT Schedule 1 RNS 0.000	08/01/2010 00:00 09/01/2010 00:00		42,915.95
16 OATT Schedule 1 RNS 0.000	06/01/2010 00:00 07/01/2010 00:00		-16,231.28
17 OATT Schedule 9 RNS 0.000	08/01/2010 00:00 09/01/2010 00:00		9,525,554.16
18 OATT Schedule 9 RNS 0.000	06/01/2010 00:00 07/01/2010 00:00		-446,494.08
19 OATT Schedule 8 TOUT 0.000	08/01/2010 00:00 09/01/2010 00:00		-90,228.25
20 OATT Schedule 8 TOUT 0.000	06/01/2010 00:00 07/01/2010 00:00		0.00
21 OATT Schedule 1 TOUT 0.000	08/01/2010 00:00 09/01/2010 00:00		0.00
22 OATT Schedule 1 TOUT 0.000	06/01/2010 00:00 07/01/2010 00:00		0.00

Sample of BL_INVOICE MIS Report

Line Items							
Line	Description	Bill From	Bill To	Document Ref	Quantity	Unit of Measure	Net Amount
Num	String	Timestamp	Timestamp	String	Number	String	\$
6	ISO Schedule 1 RNS	8/1/10 12:00 AM	9/1/10 12:00 AM				-223546.89
7	ISO Schedule 1 RNS	6/1/10 12:00 AM	7/1/10 12:00 AM				0.00
8	ISO Schedule 1 TOUT	8/1/10 12:00 AM	9/1/10 12:00 AM				12296.57
9	ISO Schedule 1 TOUT	6/1/10 12:00 AM	7/1/10 12:00 AM				-321.10
10	ISO Schedule 5 NESCOE	8/1/10 12:00 AM	9/1/10 12:00 AM				-8791.44
11	ISO Schedule 5 NESCOE	6/1/10 12:00 AM	7/1/10 12:00 AM				0.00
15	OATT Schedule 1 RNS	8/1/10 12:00 AM	9/1/10 12:00 AM				428041.89
16	OATT Schedule 1 RNS	6/1/10 12:00 AM	7/1/10 12:00 AM				181079.80
17	OATT Schedule 9 RNS	8/1/10 12:00 AM	9/1/10 12:00 AM				306352.69
18	OATT Schedule 9 RNS	6/1/10 12:00 AM	7/1/10 12:00 AM				264588.18
19	OATT Schedule 8 TOUT	8/1/10 12:00 AM	9/1/10 12:00 AM				443433.02
20	OATT Schedule 8 TOUT	6/1/10 12:00 AM	7/1/10 12:00 AM				0.00
21	OATT Schedule 1 TOUT	8/1/10 12:00 AM	9/1/10 12:00 AM				41860.47
22	OATT Schedule 1 TOUT	6/1/10 12:00 AM	7/1/10 12:00 AM				0.00

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Implementation Dates



- Invoice
 - December 13, 2010
- New MIS reports and new Invoice line items
 - Settlement Month
 - October 2010
- Old MIS reports and new Invoice line items
 - DRP Settlement Months
 - July 2010
 - August 2010
 - September 2010
 - Federal Energy Regulatory Commission (FERC) ordered resettlements

Separate Transmission Billing

- Future enhancement
 - Will allow for separate transmission billing
 - Requires FERC ruling

Broadcast has been paused for 4 minutes to allow evaluation submissions

Please raise your hand  to indicate we can proceed with final Q&As



- Transmission, Markets & Services Tariff
 - Section II – Open Access Transmission
 - Section IV - ISO Self-Funding & Capital Funding Tariffs
- Understanding the Bill
 - Report Descriptions, Templates & Samples
 - Sample Invoice & Remittance Advice
- Training Materials
 - Support > Training > Training Materials > Settlement Enhancements
- Customer Support
 - **413-540-4220**
 - custserv@iso-ne.com

Glossary of Terms

- **Regional Network Service (RNS)** – Service over the Pool Transmission Facilities (PTF) which is provided by the ISO to Network Customers to serve their loads.
- **Through or Out Service (TOUT)** – Transmission service over the PTF which exports energy out of or wheels energy through the New England Control Area.
- **Open Access Transmission Tariff (OATT)** – Tariff providing terms and conditions for the non-discriminatory open-access transmission service over the New England Transmission System.
- **ISO Self Funding Tariff (SFT)** – Tariff is the means by which the ISO Collects the revenues necessary to carry out its administrative functions in each calendar year.
- **Network Load** – Hourly load coincident with the coincident aggregate load of all Network Customers served in each Local Network in the hour in which the coincident load is at its maximum for the month.
- **Reservations** – The product of the scheduled Through or Out transactions (MWh).

Report and Tab Reference

Report Mapping		
New Report Name	New Report Tab Type	Old Report Name
TR_ISOSCH1RNS	Charge Tab Charge Tab	TR_RNSC TR_RNSRAT
TR_ISOSCH5RNS	Charge Tab Charge Tab	TR_RNSC TR_RNSRAT
TR_ISOSCH1TOUT	Summary Tab Charge Tab Charge Tab Payment Tab Reservation Detail Tab	TR_TOUTBL TR_TOUTC TR_THROUGHOROUTRT TR_TOUTP TR_TOUTD
TR_OATTSCH1RNS	Summary Tab Charge Tab Charge Tab Payment Tab	TR_RNSBLL TR_RNSC TR_RNSRAT TR_RNSP
TR_OATTSCH9RNS	Summary Tab Charge Tab Charge Tab Payment Tab	TR_RNSBLL TR_RNSC TR_RNSRAT TR_RNSP
TR_OATTSCH1TOUT	Summary Tab Charge Tab Charge Tab Payment Tab Reservation Detail Tab	TR_TOUTBL TR_TOUTC TR_THROUGHOROUTRT TR_TOUTP TR_TOUTD
TR_OATTSCH8TOUT	Summary Tab Charge Tab Charge Tab Payment Tab Reservation Detail Tab	TR_TOUTBL TR_TOUTC TR_THROUGHOROUTRT TR_TOUTP TR_TOUTD

ISO and OATT RNS & TOUT Summary

ISO and OATT RNS & TOUT Summary

Schedule	Charge Allocator	Payment Allocator	Rate(s)	Calculations
ISO SFT Schedule 1 RNS	Network Load	NA	ISO SFT Schedule 1 Monthly Rate (KW)	Charges = Network Load (KW) * ISO SFT Schedule 1 Monthly Rate (KW) Payments = SUM(Charges) * Distribution Percent of Allocation
ISO SFT Schedule 5 RNS	Network Load	NA	ISO SFT Schedule 5 Monthly Rate (KW)	Charges = Network Load (KW) * ISO SFT Schedule 5 Monthly Rate (KW) Payments = SUM(Charges) * Distribution Percent of Allocation
OATT Schedule 1 RNS	Network Load	OATT Schedule 1 Allocation	OATT Schedule 1 Monthly Rate (KW)	Charges = Network Load (KW) * OATT Schedule 1 Monthly Rate (KW) Payments = SUM(Charges) * Distribution Percent of Allocation
OATT Schedule 9 RNS	Network Load	Post 1996 Rev. Req. Allocation Pre 1997 Rev. Req. Allocation	Schedule 9 Pre-97 Monthly Rate (KW) Schedule 9 Post-96 Monthly Rate (KW)	Pre-97 (Per Local Network) Charges = Network Load (KW) * Schedule 9 Pre-97 Monthly Rate (KW) Payments = SUM(Charges) * Distribution Percent of Pre-97 Allocation Post-96 Regional Network Service Charges = Network Load (KW) * Schedule 9 Post-96 Monthly Rate (KW) Payments = SUM(Charges) * Distribution Percent of Post-96 Allocation
ISO SFT Schedule 1 TOUT	Transmission Reservations	Network Load	ISO SFT Schedule 1 Hourly Rate (KW)	Charges = SUM(TOUT Reservations(MW)) * ISO SFT Schedule 1 Hourly Rate (MW) Payments = Sum(Charges) * Pro rata share of Network Load
OATT Schedule 1 TOUT	Transmission Reservations	OATT Schedule 1 Allocation	OATT Schedule 1 Hourly Rate (KW)	Charges = SUM(TOUT Reservations(MW)) * OATT Schedule 1 Hourly Rate (MW) Payments = Sum(Charges) * Distribution Percent of Allocation
OATT Schedule 8 TOUT	Transmission Reservations	MW Miles per Point of Deliver(POD) to Point of Receipt(POR)	Schedule 8 NY TOUT (KW) Schedule 8 NB TOUT (KW) Schedule 8 HQ TOUT (KW)	NY TOUT - Pathways that conatin NY as the Point of Delivery Charges = SUM(TOUT Reservations (MW)) * Schedule 8 NY TOUT Rate (MW) Payments = SUM(Charges) * MW-Mile Percent NB TOUT - Pathways that conatin NB as the Point of Delivery Charges = SUM(TOUT Reservations (MW)) * Schedule 8 NB TOUT Rate (MW) Payments = SUM(Charges) * MW-Mile Percent HQ TOUT - Pathways that conatin HQ as the Point of Delivery Charges = SUM(TOUT Reservations (MW)) * Schedule 8 HQ TOUT Rate (MW) Payments = SUM(Charges) * MW-Mile Percent



Questions

Please submit your evaluation of today's session



The RNS_TOUT broadcast has ended.

The recorded WebEx will be available within 5 business days here:

[Support > Training > Training Materials > Settlement Enhancements](#)