

# Enhanced Interregional Transaction Coordination: DSS Changes

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# Agenda

- ◆ Background
- ◆ Phase 1 Functionality Highlights
- ◆ Customer Settlements Datamart Changes
  - *Universe Changes*
  - *Customer Settlements Document Changes*
- ◆ EITC Phase 1 Dates

# Background

Enhanced Interregional Transaction Coordination (EITC) will permit the scheduling of inter-Balancing Authority transactions involving the NYISO on a more frequent basis than the current hourly schedules. This is a multi-phase effort that will be rolled out on an interface-by-interface basis for energy transactions.

The NYISO has been working on the design and implementation of the first phase of the project throughout 2010, with an expected implementation of the new capabilities on March 15, 2011.

For design and concept details, please refer to the EITC Concept Update presented to MIWG on June 07, 2010:

[http://www.nyiso.com/public/webdocs/committees/bic\\_miwg/meeting\\_materials/2010-06-07/Agenda\\_04\\_EITC\\_Scheduling\\_Pricing\\_Concept.pdf](http://www.nyiso.com/public/webdocs/committees/bic_miwg/meeting_materials/2010-06-07/Agenda_04_EITC_Scheduling_Pricing_Concept.pdf)

For tariff details, see the tariff filing from December 28, 2010:

[http://www.nyiso.com/public/webdocs/documents/regulatory/filings/2010/12/NYISO\\_205\\_EITC\\_Filing\\_12-28-10.pdf](http://www.nyiso.com/public/webdocs/documents/regulatory/filings/2010/12/NYISO_205_EITC_Filing_12-28-10.pdf)

# Phase 1 Functionality Highlights

- ◆ *Supports 15-minute scheduling frequency of real-time energy transactions between NY and HQ*
- ◆ *Eleven point bid curve for all day-ahead and real-time Import, Wheel through, and Export energy transactions at all proxies, regardless of scheduling frequency*
- ◆ *Updated settlement rules*
  - Import Supplier Guarantee
  - Financial Impact Charge
  - Real-time BPCG
- ◆ *Updated pricing rules at the proxies*

# Customer Settlements Datamart Changes

- ◆ Universe changes
  - *Transactions Universe*
  - *Power Suppliers Universe*
  - *Loads Universe*
- ◆ Customer Settlements Documents
- ◆ No ADD file changes (no billing code changes)

# Transactions Universe

- ◆ DAM Bid object changes

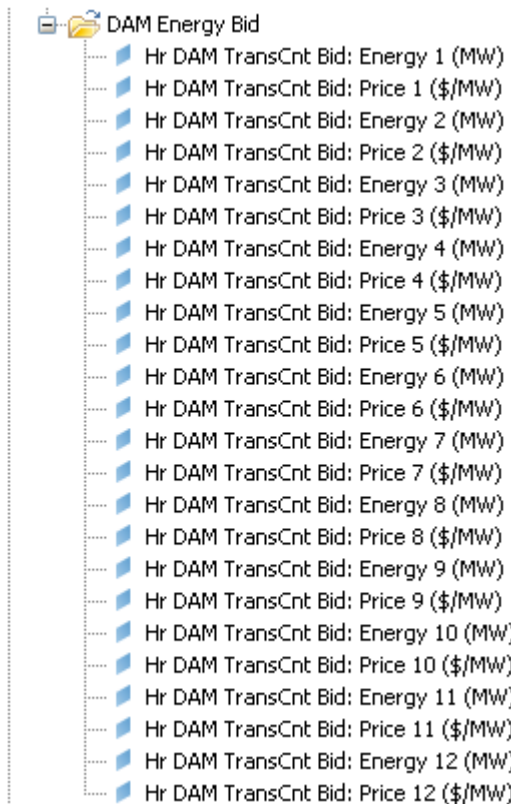
<b>Current</b>	<b>New</b>
DAM Trans Bid Fixed Energy (MW)	DAM Energy Profile (MW) – <i>for externals</i> DAM Internal Bilateral (MW) – <i>for internals</i>
DAM Trans Bid Sink Pr Cap (\$/MW) DAM Trans Bid Decr Dollar (\$/MW)	REPLACED WITH DAM BID CURVE – see next slide
DAM Trans Bid Buyer Cnfm Flag DAM Trans Bid Seller Cnfm Flag	REMOVED FROM VARIOUS SETTLEMENT CLASSES. REMAIN IN 'TRANSACTION BID DATA' CLASS.

# Transactions Universe

- ◆ DAM Bid Curve

- *Locations:*

- Transaction Bid Data – DAM Transaction Bid – DAM Energy Bid (class)
    - DAM BPCG Settlement – Billing Determinants – DAM Transaction Bid (class)



# Transactions Universe

- ◆ RT Bid object changes

<b>Current</b>	<b>New</b>
RT Trans Bid Fixed Energy (MW) HAM Trans Bid Fixed Energy (MW)	Hr RT Energy Profile (MW) – <i>for externals</i> Hr RT Internal Bilateral (MW) – <i>for internals</i>
RT Trans Bid Sink Pr Cap (\$/MW) RT Trans Bid Decr Dollar (\$/MW)	REPLACED WITH RT BID CURVE – see next slide
n/a	Hr RT Bid Schedule Type <i>Values: Hourly, Intra-Hourly</i> <i>Will be null for Internals</i>



# Transactions Universe

- ◆ RT Bid Curve

- *Locations:*

- Transaction Bid Data – RT Transaction Bid – RT Energy Bid (class)
    - Real Time BPCG Settlement – Billing Determinants – RT Transaction Bid (class)



# Transactions Universe

- ◆ Non-Firm Bid object changes

<b>Current</b>	<b>New</b>
NFirm Trans Bid Fixed Energy (MW)	Hr NFirm Energy Profile (MW)
NFirm Trans Bid Sink Pr Cap (\$/MW) NFirm Trans Bid Decr Dollar (\$/MW)	REMOVED

# Transactions Universe

## ◆ DAM BPCG Settlement

- *DAM Trans Bid Decr Dollar (\$/MW) – REMOVED*
- *DAM Trans Bid Sink Price Cap (\$/MW) – REMOVED*
- *DAM Trans Bid Fixed Energy (MW) – REMOVED*
- ***Hr DAM Energy Profile (MW) - NEW***
- ***Hr DAM TransCnt Cost (\$) – NEW***
- ***DAM Transaction Bid (class) – see bid curve on slide 7***

## ◆ Real Time BPCG Settlement (class)

- *Hr RT Trans Bid Decr Dollar (\$/MW) – REMOVED*
- *SCD Curtailed Indicator – REMOVED*
  - (Note: SCD Cut Transaction Flag is available)
- ***Hr RT Energy Profile (MW) - NEW***
- ***RTD RT TransCnt Cost (\$) – NEW***
- ***RT Transaction Bid (class) – see bid curve on slide 9***

# Transactions Universe

- ◆ Financial Impact Charge

Current	New
Hr RTC15 Total Price: Src (\$/MW) Hr RTC15 Total Price: Sink (\$/MW)	RTC Total Price: Src (\$/MW) RTC Total Price: Sink (\$/MW)
RTD RTD Total Price: Src (\$/MW) RTD RTD Total Price: Sink (\$/MW)	RTD RT Total Price: Src (\$/MW) RTD RT Total Price: Sink (\$/MW)
Hr RTC Sched Trans (MW)	RTC Sched Trans (MW)
n/a	Hr RT Bid Schedule Type
Hr RTC15 Energy, Loss, Cong Prices at Src & Sink	REMOVED
RTD RTD Energy, Loss, Cong Prices at Src & Sink	REMOVED

# Transactions Universe

## ◆ Other

- *SCD Curtailed Indicator – REMOVED FROM VARIOUS SETTLEMENT CLASSES*
  - (Note: SCD Cut Transaction Flag is available)
  
- *Hr RT Sched Trans (MW)–Trans – REMOVED*
  - (Location: BalMkt TUC Settlement – SCD – Billing Determinants)
  - (Note: SCD RT Sched Trans (MW)–Trans is available in SCD class)
  
- *‘Transaction Contract Contact Info’ (class) under ‘Transaction Contracts’ – REMOVED CLASS AND OBJECTS*
  
- *TransCnt Priority Desc – Data will only exist for pre-ITC dates*
  - (Location: Transaction Contracts class)
  
- *‘Transaction Contract NERC Tag’ (class) under ‘Transaction Contracts’ – REMOVED CLASS AND OBJECTS*
  - This data exists under ‘Transaction Bid Data’ class – DAM Transaction Bid, RT Transaction Bid, and Non-Firm Transaction Bid classes

# Other Universes

## ◆ Power Suppliers Universe

- *Transaction Contract Schedules (class)*
  - Hr RT Sched Trans (MW): Trans – REMOVED
  - Note: Hr RT Sched Trans (MWh): Trans is available

## ◆ Loads Universe

- *Transaction Contract Schedules (class)*
  - Hr RT Sched Trans (MW) – REMOVED
  - Note: Hr RT Sched Trans (MWh) -Trans is available

# Customer Settlements Documents

- ◆ Modified reports to reflect new/removed objects
  - *Location: Transaction Customer Settlements Documents \ Transaction Customer – Energy*
    - Balancing Market LBMP Energy
      - DAM Trans Bid (MW) – replaced with DAM Energy Profile (MW)
      - RT Trans Bid (MW) – replaced with RT Energy Profile (MW)
    - Day Ahead Market Transmission Usage Charges
      - DAM Trans Bid (MW) – replaced with DAM Energy Profile (MW)
    - Balancing Market Energy Transmission Usage Charges
      - DAM Trans Bid (MW) – replaced with DAM Energy Profile (MW)
      - HAM Trans Bid (MW) – replaced with RT Energy Profile (MW)
      - RT Sched Trans (MW) – replaced with RT Sched Trans (MWh)

# Customer Settlements Documents

- **Day Ahead Market Bid Production Cost Guarantee**
  - DAM TransBid Dec Dollar (\$/MW) – replaced with DAM TransCnt Cost (\$)
  - New tab 'Day-Ahead Bids' with DAM bid information
- **Real-Time Market Bid Production Cost Guarantee**
  - RT TransBid Dec Dollar (\$/MW) – replaced with RT TransCnt Cost (\$)
  - New tab 'Real-Time Bids' with RT bid information
- **Financial Impact Charge**
  - Renamed RTC and RTD Total Prices
  - Removed Energy, Loss, and Cong price components
  - Renamed RTC Sched MW
  - Added RT Bid Schedule Type
  - [See chart on slide 12 & new report screenshot on next slide]



# Customer Settlement Documents

## Financial Impact Charge

- Revised report layout

Interval Day :

Org/Contract ID/Category: Source: () Sink: ()

Date/Time	Result RTD Fin Imp Ch Stmnt: Trans (\$)	Billing Determinants									
		RTC Total Price: Src (\$/MW)	RTC Total Price: Sink (\$/MW)	RTD RT Total Price: Src (\$/MW)	RTD RT Total Price: Sink (\$/MW)	RTD Interval Seconds	RTD RT Sched Trans (MW)	RTC Sched Trans (MW)	Trans Cut By Desc	TransCnt Transaction Category	RT Bid Schedule Type
No Data Found											

# Customer Settlement Documents

- ◆ Other report modifications

- *Location: Power Supplier Settlement Documents \ Power Supplier Energy*

- Generator Output Chart

Removed Hr RT Sched Trans (MW): Trans from 'Generator Output by Market' Table and Chart

Note: RTD RT Sched Trans (MW) remains

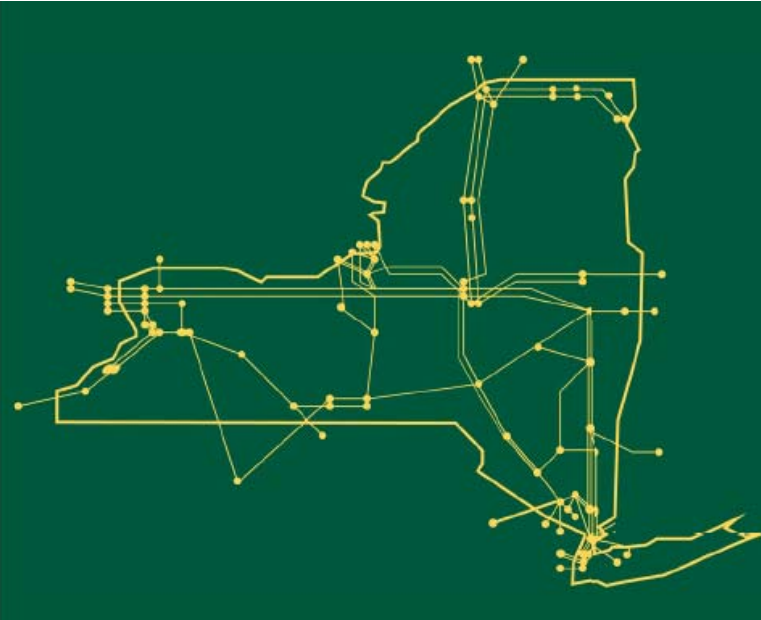
# EITC Phase 1 Dates

- ◆ *03/15/2011 – Phase 1 production deployment*
  - Effective immediately after deployment outage (evening of 3/15/2011)
    - *Eleven point bid curve*
    - *Marketplace user interface changes*
    - *MIS Upload/Download template changes (see TB#196)*
    - *All proxies, including HQ, will be deployed supporting only an hourly scheduling frequency*
  - Effective 03/16/2011 00:00
    - *Modified pricing rules*
    - *Modified settlement rules*

# EITC Phase 1 Dates

- 03/16/2011
  - *First market date billed with new pricing and settlement rules*
  - *Will be billed on 3/17/11*
  - *Data will be available in DSS on 3/18/11*
- Effective TBD
  - *HQ proxy enabled for 15-minute scheduling frequency*
    - *(dependent on HQ readiness. Market participants will be given notice prior to enabling of 15-scheduling at any Proxy)*

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 conducts reliability and resource planning for the state's bulk electricity system.



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