

# Transaction Customer Uplift and Other Settlement Allocations

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# What is Uplift?

- Uplift results from additional payments made that are above market revenue
- Uplift is allocated to all energy withdrawals (including LSEs and Transaction Customers)

# How are Uplift and Other Allocations allocated?

- Based on load ratio share of the following:
  - NYISO-wide
  - Local
  - Transmission Owner
  - Superzone

*\*\*\*Load ratio share allocations for uplift and other allocations excludes CTS-NE MWHrs from the calculation\*\*\**

# Load Ratio Share

**LOAD RATIO SHARE (LRS):** An LSE’s portion of load compared to the Designated Total Load\*

$$\text{Load Ratio Share (LRS)} = \frac{\text{RT Actual MWs}}{\text{Designated Total Load}}$$

$$\frac{\text{RT Actual MWs}}{\text{NYISO-wide Load}^*} \text{ OR } \frac{\text{RT Actual MWs}}{\text{Superzone Load}^*} \text{ OR } \frac{\text{RT Actual MWs}}{\text{Transmission District Load}^*} \text{ OR } \frac{\text{RT Actual MWs}}{\text{Subzone Load}^*}$$

# Transaction Customer Uplift and Other Settlement Allocations

- **Objectives Per Settlement Name:**
  - Provide Settlement Description
  - Identify Settlement Eligibility
  - Name Settlement Determinants
  - Name Settlement Intermediates
  - Explain Settlement Algorithm
  - Step Through Settlement Scenario
  - Perform Settlement Example
  - Note Settlement Reference Material

# **Transaction Customer Uplift Allocations**

# Transaction Customer Uplift Allocations -1

Settlement Name	Settlement Description	Load Ratio Share
PS DAM BPCG	A charge to Transaction Customers (TCs) intended to recover their share of NYISO's costs of the DAM BPCG payment to Power Suppliers (PSs).	NYISO Wide
PS RT BPCG	A charge to TCs intended to recover NYISO's costs of the RT BPCG payment to Power Suppliers who are either: <i>Committed economically in the RT</i> <i>Committed through NYISO SRE or</i> <i>Committed through NYISO OOM</i>	NYISO Wide
PS DAMAP	A charge to TCs intended to proportionally recover NYISO's costs of the DAM Margin Assurance payments to Power Suppliers	NYISO Wide
TC DAM BPCG	A charge to TCs intended to recover NYISO's costs of the Transaction DAM BPCG payment to Transaction Customers (NYCA-external generators)	NYISO Wide

# Transaction Customer Uplift Allocations -2

Settlement Name	Settlement Description	Load Ratio Share
<b>TC Import ECA Supplier Guarantee</b>	A charge to TCs intended to recover NYISO's costs of the Import Extraordinary Corrective Action Supplier Guarantee payment to Transaction Customers	<b>NYISO Wide</b>
<b>PS RT BPCG for Supplemental Events</b>	A charge to TCs intended to recover NYISO's costs of the RT BPCG for Supplemental Events payment to Power Suppliers	<b>NYISO Wide</b>
<b>Financial Impact Credit Allocation</b>	A credit to TCs, against uplift charges, resulting from a charge imposed on Market Participants when a transaction fails checkout due to Market Participant action	<b>NYISO Wide</b>



# Transaction Customer – Uplift Allocations

- Settlement Name:
  - PS DAM BPCG Uplift Allocation
  - PS RT BPCG Uplift Allocation
  - PS DAMAP Uplift Allocation
  - Trans DAM BPCG Uplift Allocation
  - Trans Import ECA Supplier Guarantee Allocation
  - PS RT BPCG for Supplemental Events Uplift Allocation
  - Financial Impact Credit Allocation

# Transaction Customer Uplift Allocation

## PS DAM BPCG

### ■ Settlement Description

- A charge to Transaction Customers (TCs) intended to recover their share of NYISO's costs of the DAM BPCG payment to Power Suppliers (PSs).
- This charge covers only the payments made by NYISO to Power Suppliers for generators committed in the DAM for reason other than local reliability.
- A portion of the costs of these payments is recovered through allocations to TCs based on their load ratio shares during the given day for their scheduled transaction (export and/or wheel-through) energy in the NYISO markets.

# Transaction Customer Uplift Allocation

## PS DAM BPCG

### ■ Settlement Eligibility

- TCs will receive a charge for DAM BPCG (\$) if all of the following conditions exist:
  - *The TC transacted energy via exports and/or wheel-throughs.*
  - *There were DAM BPCG payments made to PS due to NYISO DAM commitment, or un-allocated DAM BPCG Under-Forecasting payments, during the day.*

# Transaction Customer Uplift Allocation

## PS DAM BPCG

### Settlement Determinants

- Day Total NYISO DAM BPCG (\$)
- Day Ttl NYISO DAM BPCG Fcst Rdr (\$)
- Day RT Export Trans :TC (MWh)
- Day RT Wheel-Thru Trans :TC (MWh)
- Day Total NYISO RT LSE Load (MWh)
- Day Total NYISO RT Export Trans (MWh)
- Day Total NYISO RT WT Trans (MWh)

# Transaction Customer Uplift Allocation

## PS DAM BPCG

### Settlement Intermediates

- Day RT TC Ld Ratio Sh :LSE, Exp, WT

### Settlement Results

- Day DAM BPCG Stlmnt :TC (\$)

# Transaction Customer Uplift Allocation

## PS DAM BPCG

- Settlement Algorithm

Day DAM BPCG Stlmnt: TC (\$) =

$$[ \{ \text{Day Total NYISO DAM BPCG } (\$) + \text{Day Ttl NYISO DAM BPCG Fcst Rdr } (\$) \} * \text{Day RT TC Ld Ratio Sh: LSE, Exp, WT } ] * -1$$

Where:

$$\text{Day RT TC Ld Ratio Sh: LSE, Exp, WT} = \frac{\{ \text{Day RT Export Trans: TC (MWh)} + \text{Day RT Wheel-Thru Trans: TC (MWh)} \}}{\{ \text{Day Total NYISO RT LSE Load (MWh)} + \text{Day Total NYISO RT Export Trans (MWh)} + \text{Day Total NYISO RT WT Trans (MWh)} \}}$$

# Transaction Customer Uplift Allocation

## PS DAM BPCG

### Settlement Scenario

- Day Ahead Bid Production Cost Guarantee
  - Total = \$100,000
  - Under-Forecasted Remainder = \$2,000
- ‘TC ABC’ Daily Real-Time Energy Exports/Wheel-throughs
  - ‘TC ABC’ Exports = 200 MWh
  - ‘TC ABC’ Wheel-Through = 20 MWh
- NYISO Daily Real-Time Total Loads
  - NYISO LSE Load = 450,000 MWh
  - NYISO Export Transactions = 20,000 MWh
  - NYISO Wheel-Through Transactions = 250 MWh

# Transaction Customer Uplift Allocation

## PS DAM BPCG

- Settlement Example:

Day DAM BPCG Stlmnt: TC (\$) =

$$[(\$100,000 + \$2,000) * .0004678] * -1 = -\$47.72$$

Where:

Day RT TC Ld Ratio Sh: LSE, Exp, WT =

$$(200 + 20) / (450,000 + 20,000 + 250) =$$
$$220 / 470,250 = .0004678$$



# Transaction Customer Uplift Allocation

## PS DAM BPCG

### Summary

- Charge to Transaction Customers engaged in exports and wheel-through transactions
- Covers NYISO's DAM BPCG Payments to Power Suppliers
- Allocated by each TC's RT load ratio share
- Settled at daily level

# Transaction Customer Uplift Allocation

## PS DAM BPCG

### Settlement Reference Material:

- **Tariff Reference**
  - OATT
    - Rate Schedule 1, Section 6.1.12
- **Accounting and Billing Manual**
  - Section 8.1.11 (Appendix M)
- **Advisory Billing File**
  - Ancillary Services NYISO-wide Uplift charges \$
  - Daily Bill Code 812
- **DSS Corporate Report**
  - Transaction Customer - PS Uplift Allocations

# Transaction Customer – Uplift Allocations

- **Settlement Name:**
  - ✓ PS DAM BPCG Uplift Allocation
  - **PS RT BPCG Uplift Allocation**
  - PS DAMAP Uplift Allocation
  - Trans DAM BPCG Uplift Allocation
  - Trans Import ECA Supplier Guarantee Allocation
  - PS RT BPCG for Supplemental Events Uplift Allocation
  - Financial Impact Credit Allocation

# Transaction Customer Uplift Allocation

## PS RT BPCG

### ■ Settlement Description

- A charge to TCs intended to recover NYISO's costs of the RT BPCG payment to Power Suppliers who are either:
  - *Committed economically in the RT*
  - *Committed through NYISO SRE or*
  - *Committed through NYISO OOM*
- This charge covers only the payments made by NYISO to Power Suppliers for generators committed in the RT for reasons other than local reliability.
- A portion of the costs of these payments is recovered through allocations to TCs based on their load ratio shares during the given day for their scheduled transaction (export and/or wheel-through) energy in the NYISO markets.

# Transaction Customer Uplift Allocation

## PS RT BPCG

### ■ Settlement Eligibility

- *Transaction Customers will receive a charge for RT BPCG (\$) if all of the following conditions exist:*
  - *The TC transacted energy via exports and/or wheel-throughs*
  - *There were RT BPCG payments made to Power Suppliers due to any one of the following reasons:*
    - *Committed economically in the RT*
    - *Committed through NYISO SRE or*
    - *Committed through NYISO OOM*

# Transaction Customer Uplift Allocation

## PS RT BPCG

### ■ Settlement Determinants

- Day Total NYISO RT BPCG (\$)
- Day RT Export Trans: TC (MWh)
- Day RT Wheel-Thru Trans:TC (MWh)
- Day Total NYISO RT LSE Load (MWh)
- Day Total NYISO RT Export Trans (MWh)
- Day Total NYISO RT WT Trans (MWh)

# Transaction Customer Uplift Allocation

## PS RT BPCG

### ■ Settlement Intermediates

- Day RT TC Ld Ratio Sh: LSE, Exp, WT

### ■ Settlement Results

- Day RT BPCG Stlmnt: TC (\$)

# Transaction Customer Uplift Allocation

## PS RT BPCG

### Settlement Algorithm:

**Day RT BPCG Settlement: TC (\$) =**

$$(\text{Day Total NYISO RT BPCG } (\$)) * \text{Day RT TC Ld Ratio Sh: LSE, Exp, WT} * -1$$

**Where:**

*Day RT TC Ld Ratio Sh: LSE, Exp, WT =*

$$\{ \text{Day RT Export Trans: TC (MWh)} + \text{Day RT Wheel-Thru Trans: TC (MWh)} \} / \{ \text{Day Total NYISO RT LSE Load (MWh)} + \text{Day Total NYISO RT Export Trans (MWh)} + \text{Day Total NYISO RT WT Trans (MWh)} \}$$



# Transaction Customer Uplift Allocation

## PS RT BPCG

### ■ Settlement Scenario

- Daily Real-Time Bid Production Cost Guarantee
  - Total = \$15,000
- ‘TC ABC’ Daily Real-Time Energy Exports/Wheel-Throughs
  - Exports = 200 MWh
  - Wheel-Through = 20 MWh
- NYISO Daily Real-Time Total Loads
  - LSE Load = 450,000 MWh
  - Export Transactions = 20,000 MWh
  - Wheel-Through Transactions = 250 MWh

# Transaction Customer Uplift Allocation

## PS RT BPCG

### Settlement Example:

**Day RT BPCG Stlmnt: TC (\$) =**  
 $(.0004678 * \$15,000) * -1 = -\$7.02$

*Where:*

**Day RT TC Ld Ratio Sh: LSE, Exp, WT =**  
 $(200 + 20) / (450,000 + 20,000 + 250) =$   
 $220 / 470,250 = .0004678$

# Transaction Customer Uplift Allocation

## PS RT BPCG

### Summary

- Charge to Transaction Customers engaged in exports and wheel-through transactions
- Covers NYISO's RT BPCG Payments to Power Suppliers
- Allocated by each TC's RT load ratio share
- Settled at daily level

# Transaction Customer Uplift Allocation

## PS RT BPCG

### Settlement Reference Material:

- **Tariff Reference**
  - OATT
    - Rate Schedule 1, Section 6.1.12
- **Accounting and Billing Manual**
  - Section 8.1.11
- **Advisory Billing File**
  - Ancillary Services NYISO-wide Uplift Charges \$
  - Daily Bill Code 812
- **DSS Corporate Report**
  - Transaction Customer - PS Uplift Allocations

## Transaction Customer – Uplift Allocation

### ■ Settlement Name

- ✓ PS DAM BPCG Uplift Allocation
- ✓ PS RT BPCG Uplift Allocation
- **PS DAMAP Uplift Allocation**
- Trans DAM BPCG Uplift Allocation
- Trans Import ECA Supplier Guarantee Allocation
- PS RT BPCG for Supplemental Events Uplift Allocation
- Financial Impact Charge Allocation

# Transaction Customer Uplift Allocation

## PS DAMAP Uplift

### ■ Settlement Description

- A charge to TCs intended to proportionally recover NYISO's costs of the DAM Margin Assurance payments to Power Suppliers.
- This charge covers only the payments made by NYISO to Power Suppliers for generators scheduled below their DAM Schedules by NYISO for NYISO reliability.
- DAM Margin Assurance payments made to PS are totaled and a portion is allocated to TCs based on their load ratio shares during the given hour for their scheduled transaction (export and/or wheel-through) energy in the NYISO markets.

# Transaction Customer Uplift Allocation

## PS DAMAP Uplift

- **Settlement Eligibility**

- *Transaction Customers will receive a charge for DAM Margin Assurance (\$) if all of the following conditions exist:*

- *The Transaction Customer transacted energy via exports and/or wheel-throughs.*

- *There were DAM Margin Assurance payments made to Power Suppliers during the hour.*

# Transaction Customer Uplift Allocation

## PS DAMAP Uplift

- **Settlement Determinants**
  - Hr Total NYISO DAM Mrgn Assrnc (\$)
  
  - Hr RT Export Trans: TC (MWh)
  - Hr RT Wheel-Thru Trans: TC (MWh)
  - Hr Total NYISO RT LSE Load (MWh)
  - Hr Total NYISO RT Export Trans (MWh)
  - Hr Total NYISO RT WT Trans (MWh)



# Transaction Customer Uplift Allocation

## PS DAMAP Uplift

- **Settlement Intermediates**
  - Hr RT TC Ld Ratio Sh: LSE, Exp, WT
  
- **Settlement Results**
  - HR DAM Mrgn Assrnc Stlmnt: TC (\$)

# Transaction Customer Uplift Allocation

## PS DAMAP Uplift

- Settlement Algorithm

HR DAM Mrgn Assrnc Stlmnt : TC (\$) =

(Hr Total NYISO DAM Mrgn Assrnc (\$) \* Hr RT TC Ld Ratio Sh: LSE, Exp, WT) \* -1

*Where:*

Hr RT TC Ld Ratio Sh: LSE, Exp, WT =

*{Hr RT Export Trans: TC (MWh) + Hr RT Wheel-Thru Trans: TC (MWh)} /*

*{Hr Total NYISO RT LSE Load (MWh) + Hr Total NYISO RT Export Trans (MWh) + Hr Total NYISO RT WT Trans (MWh)}*

# Transaction Customer Uplift Allocation

## PS DAMAP Uplift

### ■ Settlement Scenario

- Hourly Total NYISO Day Ahead Margin Assurance
  - Total = \$1,000
- ‘TC ABC’ Hourly Real-Time Energy Exports
  - Exports = 18 MWh
  - Wheel-Through = 1 MWh
- NYISO Hourly Real-Time Total Loads
  - LSE Load = 20,000 MWh
  - Export Transactions = 1,000 MWh
  - Wheel-Through Transactions = 10 MWh

# Transaction Customer Uplift Allocation

## PS DAMAP Uplift

### ■ Settlement Algorithm

$$\text{HR DAM Mrgn Assrnc Stlmnt : TC (\$)} =$$
$$(.00904 * \$1000) * -1 = \text{\$0.90}$$

*Where:*

$$\text{Hr RT TC Ld Ratio Sh: LSE, Exp, WT} =$$
$$(18 + 1) / (20,000 + 1,000 + 10) =$$
$$19 / 21,010 = .000904$$

# Transaction Customer Uplift Allocation

## PS DAMAP Uplift

- **Summary**
  - Charge to Transaction Customers engaged in exports and wheel-through transactions
  - Covers NYISO's payments to generators scheduled in RT below their DAM schedules NYISO reliability
  - Allocated by each TC's RT load ratio share
  - Settled at the hourly level

# Transaction Customer Uplift Allocation

## PS DAMAP Uplift

### Settlement Reference Material:

- **Tariff Reference**
  - OATT
    - Rate Schedule 1, Section 6.1.10
- **Accounting and Billing Manual**
  - Section 8.1.9 (Appendix M)
- **Advisory Billing File**
  - Ancillary Services Residual Adjustment \$
  - Hourly Bill Code 611
  - Daily Bill Code 813
- **DSS Corporate Report**
  - Transaction Customer - PS Uplift Allocations

# Transaction Customer Uplift Allocation

## Settlement Name:

- A. PS DAM BPCG Uplift Allocation
- B. PS RT BPCG Uplift Allocation
- C. PS DAMAP Uplift Allocation
- D. Trans DAM BPCG Uplift Allocation**
- E. Trans Import ECA Supplier Guarantee Allocation
- F. PS RT BPCG for Supplemental Events Uplift Allocation
- G. Financial Impact Charge Allocation

# Transaction Customer Uplift Allocation

## Trans DAM BPCG

### ■ Settlement Description

- A charge to TCs intended to recover NYISO's costs of the Transaction DAM BPCG payment to Transaction Customers (NYCA-external generators).
- The costs of a portion of these payments are recovered through allocations to TCs based on their load ratio shares during the given day for their scheduled transaction (export and/or wheel-through) energy in the NYISO markets.



# Transaction Customer Uplift Allocation

## Trans DAM BPCG

### ■ Settlement Eligibility

- *Transaction Customers will receive a charge for Transaction DAM BPCG (\$) if all of the following conditions exist:*
  - *The Transaction Customer transacted energy via exports and/or wheel-throughs.*
  - *There were Transaction DAM BPCG payments made to Transaction Customers during the day.*

# Transaction Customer Uplift Allocation

## Trans DAM BPCG

- **Settlement Determinants**
  - Day Total NYISO Trans DAM BPCG (\$)
  - Day RT Export Trans :TC (MWh)
  - Day RT Wheel-Thru Trans :TC (MWh)
  - Day Total NYISO RT LSE Load (MWh)
  - Day Total NYISO RT Export Trans (MWh)
  - Day Total NYISO RT WT Trans (MWh)

# Transaction Customer Uplift Allocation

## Trans DAM BPCG

- **Settlement Intermediates**
  - Day RT TC Ld Ratio Sh: LSE, Exp, WT
  
- **Settlement Results**
  - Day DAM Trans BPCG Stlmnt: TC (\$)

# Transaction Customer Uplift Allocation

## Trans DAM BPCG

### Settlement Algorithm

**Day DAM Trans BPCG Stlmnt: TC (\$) =**

(Day Total NYISO Trans DAM BPCG (\$) \* Day RT TC Ld Ratio Sh: LSE, Exp, WT)  
 \* -1

*Where:*

*Day RT TC Ld Ratio Sh: LSE, Exp, WT =*

*{Day RT Export Trans: TC (MWh) + Day RT Wheel-Thru Trans: TC (MWh)} /*

*{Day Total NYISO RT LSE Load (MWh) + Day Total NYISO RT Export Trans (MWh) + Day Total NYISO RT WT Trans (MWh)}*

# Transaction Customer Uplift Allocation

## Trans DAM BPCG

- **Settlement Scenario:**
  - Day Ahead Transaction Bid Production Cost Guarantee
    - Total = \$25,000
  - ‘TC ABC’ Daily Real-Time Energy Exports
    - Exports = 200 MWh
    - Wheel-Through = 20 MWh
  - NYISO Daily Real-Time Total Loads
    - LSE Load = 450,000 MWh
    - Export Transactions = 20,000 MWh
    - Wheel-Through Transactions = 250 MWh

# Transaction Customer Uplift Allocation

## Trans DAM BPCG

### Settlement Algorithm

**Day DAM Trans BPCG Stlmnt: TC (\$) =**  
 $(.0004678 * \$25,000) * -1 = \text{\textcolor{green}{-\$11.70}}$

*Where:*

*Day RT TC Ld Ratio Sh: LSE, Exp, WT =*  
 $(200 + 20) / (450,000 + 20,000 + 250) =$   
 $220 / 470,250 = \text{\textcolor{blue}{.0004678}}$

# Transaction Customer Uplift Allocation

## Trans DAM BPCG

### ■ Summary

- Charge to Transaction Customers engaged in exports and wheel-through transactions
- Covers NYISO's DAM BPCG Payments to Transaction Customers
- Allocated by each TC's RT load ratio share
- Settled daily

# Transaction Customer Uplift Allocation

## Trans DAM BPCG

### Settlement Reference Material:

- **Tariff Reference**
  - OATT
    - Rate Schedule 1, Section 6.1.12
- **Accounting and Billing Manual**
  - Section 8.1.11 (Appendix M)
- **Advisory Billing File**
  - Ancillary Services NYISO-wide Uplift Charges \$
  - Daily Bill Code 812
- **DSS Corporate Report**
  - Transaction Customer - PS Uplift Allocations



# Transaction Customer Uplift Allocation

## ■ Settlement Name

- ✓ PS DAM BPCG Uplift Allocation
- ✓ PS RT BPCG Uplift Allocation
- ✓ PS DAMAP Uplift Allocation
- ✓ Trans DAM BPCG Uplift Allocation
- **Trans Import ECA Supplier Guarantee Allocation**
- PS RT BPCG for Supplemental Events Uplift Allocation
- Financial Impact Charge Allocation

# Transaction Customer Uplift Allocation

## Trans Import ECA Supplier Guarantee

### ■ Settlement Description

- A charge to TCs intended to recover NYISO's costs of the Import Extraordinary Corrective Action Supplier Guarantee payment to Transaction Customers.
- The costs of a portion of these payments are recovered through allocations to TCs based on their load ratio shares during the given hour for their scheduled transaction (export and/or wheel-through) energy in the NYISO markets.

# Transaction Customer Uplift Allocation

## Trans Import ECA Supplier Guarantee

### ■ Settlement Eligibility

- *Transaction Customers will receive a charge for Transaction Import ECA Supplier Guarantee (\$) if all of the following conditions exist:*
  - *The Transaction Customer transacted energy via exports and/or wheel-throughs.*
  - *There were Import ECA Supplier Guarantee payments made to Transaction Customers during the hour.*

# Transaction Customer Uplift Allocation

## Trans Import ECA Supplier Guarantee

### ■ Settlement Determinants

- Hr Ttl NYISO ImECASupGnt: LBMP (\$)
- Hr Ttl NYISO ImECASupGnt: PTP (\$)
  
- Hr RT Export Trans: TC (MWh)
- Hr RT Wheel-Thru Trans: TC (MWh)
- Hr Total NYISO RT LSE Load (MWh)
- Hr Total NYISO RT Export Trans (MWh)
- Hr Total NYISO RT WT Trans (MWh)

# Transaction Customer Uplift Allocation

## Trans Import ECA Supplier Guarantee

- **Settlement Intermediates**
  - Hr Total NYISO Imp ECA Sup Gnt (\$)
  - Hr RT TC Ld Ratio Sh: LSE, Exp, WT
  
- **Settlement Results**
  - Hr Imp ECA Sup Gnt Stlmnt: TC (\$)

# Transaction Customer Uplift Allocation

## Trans Import ECA Supplier Guarantee

- Settlement Algorithm

Hr Imp ECA Sup Gnt Stlmnt: TC (\$) = (Hr Total NYISO Imp ECA Sup Gnt (\$) \* Hr RT TC Ld Ratio Sh: LSE, Exp, WT) \* -1

Where:

*Hr Total NYISO Imp ECA Sup Gnt (\$) = Hr Ttl NYISO Imp ECA Sup Gnt: LBMP (\$) + Hr Ttl NYISO Imp ECA Sup Gnt: PTP (\$)*

And:

Hr RT TC Ld Ratio Sh: LSE, Exp, WT =

$\frac{\{\text{Hr RT Export Trans: TC (MWh)} + \text{Hr RT Wheel-Thru Trans: TC (MWh)}\}}{\{\text{Hr Total NYISO RT LSE Load (MWh)} + \text{Hr Total NYISO RT Export Trans (MWh)} + \text{Hr Total NYISO RT WT Trans (MWh)}\}}$

# Transaction Customer Uplift Allocation

## Trans Import ECA Supplier Guarantee

### ■ Settlement Scenario

- Hourly Total NYISO Import Extraordinary Corrective Action Supplier Guarantees
  - LBMP = \$1,000
  - Point-to-Point (Bilateral) = \$500
- Hr RT TC Ld Ratio Sh: LSE, Exp, WT = 0.0009043

# Transaction Customer Uplift Allocation

## Trans Import ECA Supplier Guarantee

- Settlement Algorithm

$$\text{Hr Imp ECA Sup Gnt Stlmnt: TC (\$)} = (0.0009043 * \$1500) * -1 = \text{\$-1.36}$$

Where:

$$\text{Hr Total NYISO Imp ECA Sup Gnt (\$)} = \$1000 + \$500 = \text{\$1500}$$

And:

$$\text{Hr RT TC Ld Ratio Sh: LSE, Exp, WT} = 0.0009043$$



# Transaction Customer Uplift Allocation

## Trans Import ECA Supplier Guarantee

### ■ Summary

- Charge to Transaction Customers engaged in exports and wheel-through transactions
- Covers NYISO's Import ECA Guarantee Payments to Transaction Customers
- Allocated by each TC's RT load ratio share
- Settled at the hourly level

# Uplift Allocation

## Trans Import ECA Supplier Guarantee

### Settlement Reference Material:

- **Tariff Reference**
  - OATT
    - Rate Schedule 1, Section 6.1.11
- **Accounting and Billing Manual**
  - Section 8.1.11
- **Advisory Billing File**
  - Ancillary Services NYISO-Wide Uplift Charges \$
  - Daily Bill Code 812
- **DSS Corporate Report**
  - PS Uplift Allocations

# Transaction Customer Uplift Allocation

## ■ Settlement Name

- ✓ PS DAM BPCG Uplift Allocation
- ✓ PS RT BPCG Uplift Allocation
- ✓ PS DAMAP Uplift Allocation
- ✓ Trans DAM BPCG Uplift Allocation
- ✓ Trans Import ECA Supplier Guarantee Allocation
- **PS RT BPCG for Supplemental Events Uplift Allocation**
- Financial Impact Credit Allocation

# Transaction Customer Uplift Allocation

## PS RT BPCG for Supplemental Events

### ■ Settlement Description

- A charge to TCs intended to recover NYISO's costs of the RT BPCG for Supplemental Events payment to Power Suppliers.
- PS payments are to internal PSs for net losses incurred due to responding to NYISO requested increases in output during Large Event Reserve Pickups or Maximum Generation pickups .
- The costs of a portion of these payments are recovered through allocations to TCs based on their load ratio shares during the given day for their scheduled transaction (export and/or wheel-through) energy in the NYISO markets.

# Transaction Customer Uplift Allocation

## PS RT BPCG for Supplemental Events

### Settlement Eligibility:

- *Transaction Customers will receive a charge for RT BPCG for Supplemental Events (\$) if all of the following conditions exist:*
  - The Transaction customer transacted energy via exports and/or wheel-throughs.
  - There were RT BPCG for Supplemental Events payments made to Power Suppliers during the day.

# Transaction Customer Uplift Allocation

## PS RT BPCG for Supplemental Events

### ■ Settlement Determinants

- Day Total NYISO RT BPCG Sup Event (\$)
- Day RT Export Trans: TC (MWh)
- Day RT WT Trans: TC (MWh)
- Day Total NYISO RT LSE Load (MWh)
- Day Total NYISO RT Export Trans (MWh)
- Day Total NYISO RT WT Trans (MWh)

# Transaction Customer Uplift Allocation PS RT BPCG for Supplemental Events

- **Settlement Intermediates**
  - Day RT TC Ld Ratio Sh: LSE, Exp, WT
  
- **Settlement Results**
  - Day RT BPCG Sup Event Stlmnt: TC (\$)

# Transaction Customer Uplift Allocation

## PS RT BPCG for Supplemental Events

- Settlement Algorithm

Day RT BPCG Sup Event Stlmnt: TC (\$) =  
 (Day Total NYISO RT BPCG Sup Event (\$) \* Day RT TC Ld Ratio Sh:  
 LSE, Exp, WT ) \* -1

Where:

Day RT TC Ld Ratio Sh: LSE, Exp, WT =

$$\frac{\{\text{Day RT Export Trans: TC (MWh)} + \text{Day RT Wheel-Thru Trans: TC (MWh)}\}}{\{\text{Day Total NYISO RT LSE Load (MWh)} + \text{Day Total NYISO RT Export Trans (MWh)} + \text{Day Total NYISO RT WT Trans (MWh)}\}}$$



# Transaction Customer Uplift Allocation PS RT BPCG for Supplemental Events

## Settlement Scenario

- Daily Total NYISO RT BPCG for Sup Events
  - \$250
- 'Day RT TC Ld Ratio Sh: LSE, Exp, WT
  - 0.0004678

# Transaction Customer Uplift Allocation PS RT BPCG for Supplemental Events

## Settlement Example

Day RT BPCG Sup Event Stlmnt:TC (\$)

$$(.0004678 * \$250) * -1 = -\$0.12$$

# Transaction Customer Uplift Allocation

## PS RT BPCG for Supplemental Events

### ■ Summary

- Charge to Transaction Customers engaged in exports and wheel-through transactions
- Covers PS payments for losses incurred due to responding to reserve or max gen pickups .
- Allocated by each TC's RT load ratio share
- Settled at the daily level

# Transaction Customer Uplift Allocation PS RT BPCG for Supplemental Events

## Settlement Reference Material:

- **Tariff Reference**
  - OATT
    - Rate Schedule 1, Section 6.1.12
- **Accounting and Billing Manual**
  - Section 8.1.11 (Appendix M)
- **Advisory Billing File**
  - Ancillary Services Hrly Sup Event Charge \$
  - Daily Bill Code 818
- **DSS Corporate Report**
  - Transaction Customer Supplemental Event Charge

# Transaction Customer Uplift Allocation

## ■ Settlement Name

- ✓ PS DAM BPCG Uplift Allocation
- ✓ PS RT BPCG Uplift Allocation
- ✓ PS DAMAP Uplift Allocation
- ✓ Trans DAM BPCG Uplift Allocation
- ✓ Trans Import ECA Supplier Guarantee Allocation
- ✓ PS RT BPCG for Supplemental Events Uplift Allocation
- **Financial Impact Credit Allocation**

# Transaction Customer Uplift Allocation

## Financial Impact Credit

### ■ Settlement Description

- The intent of a FIC is to offset additional uplift created by failed transactions. Therefore, a FIC allocation could be considered as a *credit* against uplift charges to NYISO LSEs and TCs.

# Transaction Customer Uplift Allocation

## Financial Impact Credit

### ■ Settlement Eligibility

- *Transaction Customers will receive a credit for FICs if all of the following conditions exist:*
  - *The Transaction Customer transacted energy via exports and/or wheel-throughs.*
  - *There were FICs to Transactions Customers during the hour.*

# Transaction Customer Uplift Allocation

## Financial Impact Credit

### ■ Settlement Determinants

- Hr Total NYISO Fin Imp Ch: Imp (\$)
- Hr Total NYISO Fin Imp Ch: Exp (\$)
- Hr Total NYISO Fin Imp Ch: WT (\$)
- Hr RT Export Trans: TC (MWh)
- Hr RT WT Trans: TC (MWh)
- Hr Total NYISO RT LSE Load (MWh)
- Hr Total NYISO RT Export Trans (MWh)
- Hr Total NYISO RT WT Trans (MWh)



# Transaction Customer Uplift Allocation

## Financial Impact Credit

- **Settlement Intermediates**
  - Hr Total NYISO Fin Imp Ch (\$)
  - Hr RT TC Ld Ratio Sh: LSE, Exp, WT
  
- **Settlement Results**
  - Hr FIC Stlmnt: TC (\$)

# Transaction Customer Uplift Allocation

## Financial Impact Credit

- Settlement Algorithm

Hr FIC Stmtnt: TC (\$) =

Hr Total NYISO Fin Imp Ch (\$) \* Hr RT TC Ld Ratio Sh: LSE, Exp, WT

*Where:*

*Hr Total NYISO Fin Imp Ch (\$) =*

*Hr Total NYISO Fin Imp Ch: Imp (\$) + Hr Total NYISO Fin Imp Ch: Exp (\$) + Hr Total NYISO Fin Imp Ch: WT (\$)*

*And:*

*Hr RT TC Ld Ratio Sh: LSE, Exp, WT =*

*{Hr RT Export Trans: TC (MWh) + Hr RT Wheel-Thru Trans: TC (MWh)} / {Hr Total NYISO RT LSE Load (MWh) + Hr Total NYISO RT Export Trans (MWh) + Hr Total NYISO RT WT Trans (MWh)}*

# Transaction Customer Uplift Allocation

## Financial Impact Credit

### ■ Settlement Scenario

- Hr Total NYISO Financial Impact Charge
  - Imports = \$1,000
  - Exports = \$500
  - Wheel-Through = \$250
  
- Hr RT TC Ld Ratio Sh: LSE, Exp, WT
  - 0.0009043

# Transaction Customer Uplift Allocation

## Financial Impact Credit

### ■ Settlement Example

FIC Stmtnt: TC (\$) =

$$.0009043 * \$1,750 = \$1.58$$

Hr Total NYISO Fin Imp Ch (\$) =

$$\$1,000 + \$500 + \$250 = \$1,750$$

# Transaction Customer Uplift Allocation

## Financial Impact Credit

### ■ Summary

- Credit to Transaction Customers engaged in exports and wheel-through transactions
- Allocates MPs FIC payments
- Allocated by each TC's RT load ratio share
- Settled at the hourly level

# Transaction Customer Uplift Allocation Financial Impact Credit

## Settlement Reference Material:

- **Tariff Reference**
  - OATT
    - Rate Schedule 1, Section 6.1.14
- **Accounting and Billing Manual**
  - Section 8.1.13 (Appendix M)
- **Advisory Billing File**
  - Ancillary Services Hrly Fin Impact Credit \$
  - Hourly Bill Code 620
  - Daily Bill Code 819
- **DSS Corporate Report**
  - Transaction Customer Financial Impact Credit

# Transactions Customer – Uplift Allocations

## ■ Settlement Name

- PS DAM BPCG Uplift Allocation
- PS RT BPCG Uplift Allocation
- PS DAMAP Uplift Allocation
- Trans DAM BPCG Uplift Allocation
- Trans Import ECA Supplier Guarantee Allocation
- PS RT BPCG for Supplemental Events Uplift Allocation
- Financial Impact Credit Allocation

# **Transaction Customer Other Settlement Allocations**



# LSE Other Settlement Allocations

Settlement Name	Settlement Description	Load Ratio Share
NTAC Allocation*	Charge to Transmission Customers intended to cover New York Power Authority's (NYPA) transmission revenue requirements	Based on Actual RT MWs
Non-NYISO Facilities – Ramapo PAR	Charge intended to cover NYISO's monthly payments to the owners of facilities needed for economic and reliable operation of NYS Transmission System	NYISO Wide
Non-NYISO Facilities – Station 80 Cap Bank	Charge intended to cover NYISO's monthly payments to the owners of facilities needed for economic and reliable operation of NYS Transmission System	NYISO Wide

# Transactions – Other Allocations

- Settlement Name
  - NTAC Allocation
  - Non-NYISO Facilities
    - *Ramapo Par*
    - *Station 80 Cap Bank*

# NYPA Transmission Adjustment Charge (NTAC)

## ■ Settlement Description

- Charge to Transmission Customers intended to cover New York Power Authority's (NYPA) transmission revenue requirements

# NYPA Transmission Adjustment Charge (NTAC)

## Settlement Eligibility:

- *Transaction Customers will receive a charge for NYPA Transmission Adjustment Charge (\$) if all of the following conditions exist:*
  - The Transaction Customer scheduled energy transactions in the NYISO energy markets
    - Hr RT Export Trans:  $TC (MW) > 0$
    - OR
    - Hr RT Wheel-Thru Trans:  $TC (MW) > 0$

Note: Shall not apply to transactions in which ISO-NE is the source/sink

# NYPA Transmission Adjustment Charge (NTAC)

## Settlement Determinants:

- Hr NTAC Rate (\$/MWh)
- Hr RT Export Trans: TC (MWh)
  - Excludes CTS-NE Export MWs
- Hr RT Wheel-Thru Trans: TC (MWh)

# NYPA Transmission Adjustment Charge (NTAC)

## Settlement Intermediates:

- None

## Settlement Results:

- Hr NTAC Stlmnt: TC (\$)

# NYPA Transmission Adjustment Charge (NTAC)

## Settlement Algorithm:

**Hr NTAC Stlmnt: TC (\$) =**

**[ Hr NTAC Rate (\$/MWh) \* {Hr RT Export Trans: TC (MWh) +  
Hr RT Wheel-Thru Trans: TC (MWh)} ] \* -1**

# NYPA Transmission Adjustment Charge (NTAC)

## Settlement Reference Material:

- **Tariff Reference**
  - OATT
    - Rate Schedule 7, Section 6.7.5
- **Accounting and Billing Manual**
  - Section 7.6.1 (Appendix K)
- **Advisory Billing File**
  - Transaction Customer Section
    - *NTAC Charge \$*
  - Hourly Bill Code: 604
  - Daily Bill Code: 803
- **DSS Corporate Report**
  - Settlement Details – Transaction Customer – NTAC



# Transactions – Other Allocations

- **Settlement Name**
  - NTAC Allocation
  - Non-NYISO Facilities
    - *Ramapo Par*
    - *Station 80 Cap Bank*

# Transaction Customer – Other Settlement Allocations

- **Non-NYISO Facilities: Ramapo Par & Station 80 Cap Bank Charge Description**
  - A charge intended to cover NYISO's monthly payments to the owners of facilities needed for economic and reliable operation of NYS Transmission System.
    - Payments Presently issued to...
      - Con Ed Co. of NY for Phase Angle Regulators @ Ramapo interconnection between NYISO & PJM
      - RG&E Corp. for Capacitor Bank @ Station 80

# Transaction Customer – Ramapo Par & Station 80 Charge

## ■ Settlement Eligibility

- Transaction Customers will receive a charge for Ramapo Par & Station 80 Cap Bank if:
  - Transaction Customer purchased energy to meet their load requirements from the NYISO Energy markets or wheeled energy through the NYCA

# Transaction Customer - Ramapo Par & Station 80 Cap

## ■ Settlement Determinants

- Hr RT Export Trans: TC (MWh)
- Hr RT Wheel-Thru Trans: TC (MWh)
- Hr Total NYISO RT LSE Load (MWh)
- Hr Total NYISO RT Export Trans (MWh)
- Hr Total NYISO RT WT Trans (MWh)
- Hr Ramapo Par Cost: TC (\$)
- Hr Station 80 Cost: TC (\$)

# Transaction Customer - Ramapo Par & Station 80 Cap

- **Settlement Intermediates**
  - Hr RT TC Ld Ratio Sh: LSE, Exp, WT
  
- **Settlement Results**
  - Hr Ramapo PAR Stlmnt: TC (\$)
  - Hr Station 80 Stlmnt: TC (\$)

# Transaction Customer - Ramapo Par & Station 80 Cap

- Settlement Algorithm

**Hr Ramapo Par Stlmnt: TC (\$) =**

$(\text{Hr Ramapo PAR Cost: TC } (\$) * \text{Hr RT TC Ld Ratio Sh: LSE, Exp, WT}) * -1$

**Hr Station 80 Stlmnt: TC (\$) =**

$(\text{Hr Station 80 Cost: TC } (\$) * \text{Hr RT TC Ld Ratio Sh: LSE, Exp, WT}) * -1$

**Where:**

***Hr RT TC Ld Ratio Sh: LSE, Exp, WT =***

*{Hr RT Export Trans: TC (MWh) + Hr RT Wheel-Thru Trans: TC (MWh)} /*

*{Hr Total NYISO RT LSE Load (MWh) + Hr Total NYISO RT Export Trans (MWh) + Hr Total NYISO RT WT Trans (MWh)}*

# Transaction Customer - Ramapo Par & Station 80 Cap

## ■ Summary

- A charge intended to cover NYISO's monthly payments to the owners of facilities needed for economic and reliable operation of NYS Transmission System.
- Payments Presently issued to...
  - Con Ed Co. of NY for Phase Angle Regulators @ Ramapo interconnection between NYISO & PJM
  - RG&E Corp. for Capacitor Bank @ Station 80

# Transaction Customer – Ramapo Par & Station 80 Cap

## Settlement Reference Material:

- **Tariff Reference**
  - OATT
    - Rate Schedule 1, Section 6.1.6
- **Advisory Billing File**
  - Ancillary Services
  - Ramapo Par
    - Hourly Bill Code 639
    - Daily Bill Code 836
  - Station 80 Cap Bank
    - Hourly Bill Code 640
    - Daily Bill Code 837
- **DSS Corporate Report**
  - Settlement Details - Transaction Customer – Ancillary Services