

# DRAFT

MSR-0007

## DAM NYCA Wheel Through Transaction Transmission Usage Charge

Transmission Customers must schedule transmission service to deliver energy purchased through contractual agreements negotiated externally to the NYISO markets. The contracted energy is not settled through the NYISO process, however, NYISO does charge transmission customers for losses and congestion costs associated with transmission service scheduled to deliver bilaterally contracted energy.

Some Transmission Agreements in effect at NYISO inception may have congestion relief rights associated with them. These rights were carried forward for application in NYISO, providing relief from DAM congestion Transmission Usage Charges up to the capacity defined by the grandfathered right. The rights are recognized by the billing system through a unique User Reference number and Points of Withdrawal & Injection, which define the original Transmission Agreement.

### Hourly Settlement

#### Hourly Settlement Inputs

Hr_DA_POI_of_Losses:	Hourly DAM Point of Injection LBMP losses component
Hr_DA_POI_Price_of_Congestion:	Hourly DAM Point of Injection LBMP congestion component
Hr_DA_POW_of_Losses:	Hourly DAM Point of Withdrawal LBMP losses component
Hr_DA_POW_Price_of_Congestion:	Hourly DAM Point of Withdrawal LBMP congestion component
Hr_DA_Exp_Trans_MWh:	Hourly DAM transaction energy bid
GTR_Congestion_Relief_MWh	Hourly DAM Grandfathered Transmission Right Congestion Relief

#### Hourly Settlement Outputs

Hr_DA_WT_Trans_Losses_\$:	Hourly DAM Transmission Usage Charge losses settlement
Hr_DA_WT_Trans_Congestion_\$:	Hourly DAM Transmission Usage Charge congestion settlement
Hr_DA_WT_Trans_TUC_\$:	Total Hourly DAM Transmission Usage Charge settlement

#### Hourly Settlement

Point of Injection and Point of Withdrawal are both NYISO external proxy buses

$$\text{Hr\_DA\_WT\_Trans\_Losses\_}\$ = \text{Hr\_DA\_WT\_Trans\_MWh} \times \{ (\text{Hr\_DA\_POW\_Price\_of\_Losses} - \text{Hr\_DA\_POI\_Price\_of\_Losses}) \}$$

$$\text{Hr\_DA\_WT\_Trans\_Congestion\_}\$ = \{ \text{Hr\_DA\_WT\_Trans\_MWh} - \text{GTR\_Congestion\_Relief\_MWh} \} \times \{ -1 \times ( \text{Hr\_DAM\_POW\_Price\_of\_Congestion} - \text{Hr\_DAM\_POI\_Price\_of\_Congestion} ) \}$$

$$\text{Hr\_DA\_WT\_Trans\_TUC\_}\$ = \text{Hr\_DA\_WT\_Trans\_Losses\_}\$ + \text{Hr\_DA\_WT\_Trans\_Congestion\_}\$$$

#### Hourly Settlement Reported

Hr_DA_WT_Trans_MWhr:	Hourly Advisory Statement Billing Code: 501
Hr_DA_WT_Trans_Losses_\$:	Hourly Advisory Statement Billing Code: 502
Hr_DA_WT_Trans_Congestion_\$:	Hourly Advisory Statement Billing Code: 503
Hr_DA_WT_Trans_TUC_\$:	Hourly Advisory Statement Billing Code: 504

### Daily Settlement

#### Daily Settlement Inputs

Hr_DA_WT_Trans_MWh:	Hourly DAM transaction energy scheduled
Hr_DA_WT_Trans_Losses_\$:	Hourly DAM Transmission Usage Charge losses settlement
Hr_DA_WT_Trans_Congestion_\$:	Hourly DAM Transmission Usage Charge congestion settlement
Hr_DA_WT_Trans_TUC_\$:	Total Hourly DAM Transmission Usage Charge settlement

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### Daily Settlement Outputs

Daily\_DA\_WT\_Trans\_MWh: Daily DAM transaction energy scheduled  
Daily\_DA\_WT\_Trans\_Losses\_\$\$: Daily DAM Transmission Usage Charge losses settlement  
Daily\_DA\_WT\_Trans\_Congestion\_\$\$: Daily DAM Transmission Usage Charge congestion settlement  
Daily\_DA\_WT\_Trans\_TUC\_\$\$: Total Daily DAM Transmission Usage Charge settlement

### Daily Settlement

Daily\_DA\_WT\_Trans\_MWh =  $\sum\{Hr\_DA\_WT\_Trans\_MWh\}$

Daily\_DA\_WT\_Trans\_Losses\_\$\$ =  $\sum\{Hr\_DA\_WT\_Trans\_Losses\_$\}$

Daily\_DA\_WT\_Trans\_Congestion\_\$\$ =  $\sum\{Hr\_DA\_WT\_Trans\_Congestion\_$\}$

Daily\_DA\_WT\_Trans\_TUC\_\$\$ =  $\sum\{Hr\_DA\_WT\_Trans\_TUC\_$\}$

### Daily Settlement Reported

Daily\_DAM\_WT\_Trans\_MWHR: Daily Advisory Billing Statement – Billing Code 750  
Daily\_DAM\_WT\_Trans\_Losses\_\$\$: Daily Advisory Billing Statement – Billing Code 751  
Daily\_DAM\_WT\_Trans\_Congestion\_\$\$: Daily Advisory Billing Statement – Billing Code 752  
Daily\_DAM\_WT\_Trans\_TUC\_\$\$: Daily Advisory Billing Statement – Billing Code 753

## Monthly Settlement

### Monthly Settlement Inputs

Daily\_DA\_LBMP\_Imp\_Losses\_\$\$: Daily DAM LBMP import energy - losses settlement [Billing Code 760]  
Daily\_DA\_LBMP\_Imp\_Congestion\_\$\$: Daily DAM LBMP import energy - congestion settlement [Billing Code 761]  
Daily\_DA\_LBMP\_Exp\_Losses\_\$\$: Daily DAM LBMP export energy - losses settlement [Billing Code 760]  
Daily\_DA\_LBMP\_Exp\_Congestion\_\$\$: Daily DAM LBMP export energy - congestion settlement [Billing Code 761]  
Daily\_DA\_Rep\_Losses\_\$\$: Daily DAM LBMP replacement energy for curtailed imports [Billing Code 760]  
Daily\_DA\_Rep\_Congestion\_\$\$: Daily DAM LBMP replacement energy for curtailed imports [Billing Code 761]  
Daily\_DAM\_Int\_Trans\_Losses\_\$\$: Daily DAM Internal Transaction losses settlement [Billing Code 751]  
Daily\_DAM\_Int\_Trans\_Congestion\_\$\$: Daily DAM Internal Transaction congestion settlement [Billing Code 752]  
Daily\_DAM\_Imp\_Trans\_Losses\_\$\$: Daily DAM Import Transaction losses settlement [Billing Code 751]  
Daily\_DAM\_Imp\_Trans\_Congestion\_\$\$: Daily DAM Import Transaction congestion settlement [Billing Code 752]  
Daily\_DAM\_Exp\_Trans\_Losses\_\$\$: Daily DAM Export Transaction losses settlement [Billing Code 751]  
Daily\_DAM\_Exp\_Trans\_Congestion\_\$\$: Daily DAM Export Transaction congestion settlement [Billing Code 752]  
Daily\_DAM\_WT\_Trans\_Losses\_\$\$: Daily DAM Wheel Transaction losses settlement [Billing Code 751]  
Daily\_DAM\_WT\_Trans\_Congestion\_\$\$: Daily DAM Wheel Transaction congestion settlement [Billing Code 752]

### Monthly Settlement Outputs

Monthly\_DA\_TUC\_Losses\_\$\$: Monthly DAM losses Transmission Usage Charge settlement  
Monthly\_DA\_TUC\_Congestion\_\$\$: Monthly DAM congestion Transmission Usage Charge settlement

### Monthly Settlement

Monthly\_DA\_TUC\_Losses\_\$\$ =  $\sum\{Daily\_DA\_LBMP\_Imp\_Losses\_\$ + Daily\_DA\_LBMP\_Exp\_Losses\_\$ + Daily\_DA\_Rep\_Losses\_\$ +$

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Daily\_DA\_Imp\_Trans\_Losses\_\$: Daily\_DA\_Exp\_Trans\_Losses\_\$: Daily\_DA\_WT\_Trans\_Losses\_\$}

Monthly\_DA\_TUC\_Congestion\_\$ =  $\sum\{$  Daily\_DA\_LBMP\_Imp\_Congestion\_\$ + Daily\_DA\_LBMP\_Exp\_Congestion\_\$ +  
Daily\_DA\_Rep\_Congestion\_\$ + Daily\_DA\_Imp\_Trans\_Congestion\_\$ + Daily\_DA\_Exp\_Trans\_Congestion\_\$ +  
Daily\_DA\_WT\_Trans\_Congestion\_\$}