

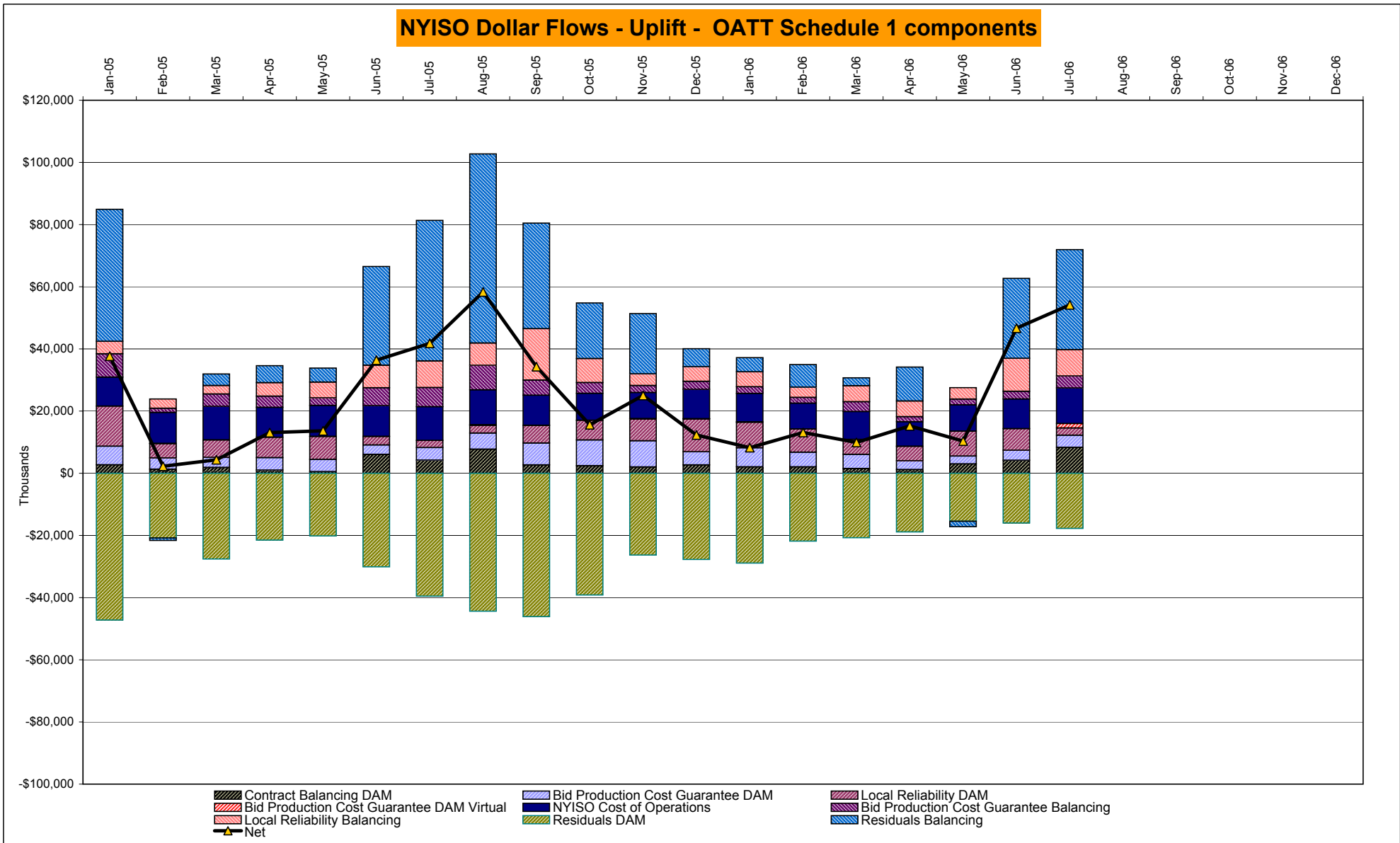
# Uplift: Including a June 1 Uplift Analysis

*Scheduling and Pricing Committee  
August 31, 2006*

## *Agenda #2*

Nicole Bouchez, Ph.D.  
Market Monitoring, Analysis and Performance  
NYISO

NYISO - For Discussion Only



DAM Contract Balancing amounts are for payments made to generating units to make them whole for being dispatched below their Day-Ahead schedule, as a result of out-of-merit dispatches.  
 DAM Bid Production Cost Guarantees for Virtual Transactions are included in the chart and are shown from the inception of Virtual Transactions. These values are small and cannot be identified on the chart.  
 DAM residuals are revenue charged or returned to customers due to the under or over collection of funds.

# OATT Schedule 1 Components

- Bid Production Cost Guarantee Balancing
- Bid Production Cost Guarantee DAM
- Bid Production Cost Guarantee DAM Virtual
- DAM Contract Balancing
- Local Reliability Balancing
- Local Reliability DAM
- NYISO Cost of Operations
- Residuals Balancing
- Residuals DAM

<b>Billing Codes for Chart 4-C</b>		
<b>Chart 4-C Category Name</b>	<b>Billing Code</b>	<b>Billing Category Name</b>
Bid Production Cost Guarantee Balancing	81203	Balancing NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee Balancing	81204	Balancing NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee Balancing	81205	Balancing NYISO Bid Production Cost Guarantee Expenditure due to Curtailed Imports
Bid Production Cost Guarantee Balancing	81208	Balancing NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee Balancing	81209	Balancing NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee Balancing	81213	Balancing NYISO Bid Production Cost Guarantee Expenditure due to Curtailed Imports
Bid Production Cost Guarantee DAM	81201	DAM NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee DAM	81202	DAM NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee DAM	81206	DAM NYISO Bid Production Cost Guarantee - Internal Units
Bid Production Cost Guarantee DAM	81207	DAM NYISO Bid Production Cost Guarantee - External Units
Bid Production Cost Guarantee DAM Virtual	81501	DAM Virtual Bid Production Cost Guarantee
DAM Contract Balancing	81315	DAM Contract Balancing
DAM Contract Balancing	81317	DAM Contract Balancing
Local Reliability Balancing	81002	Balancing Local Reliability Bid Production Cost Guarantee
Local Reliability DAM	81001	DAM Local Reliability Bid Production Cost Guarantee
NYISO Cost of Operations	80901	NYISO Cost Of Operations
NYISO Cost of Operations	80902	NYISO Cost Of Operations
NYISO Cost of Operations	83501	NYISO Cost Of Operations
NYISO Cost of Operations	83502	NYISO Cost Of Operations
Residuals Balancing	81302	Balancing Market Energy Residual
Residuals Balancing	81304	Balancing Market Loss Residual
Residuals Balancing	81305	Balancing Market Congestion Balancing
Residuals Balancing	81306	Emergency Energy Purchases
Residuals Balancing	81307	Emergency Energy Sales
Residuals Balancing	81309	Balancing Market Energy Residual
Residuals Balancing	81311	Balancing Market Loss Residual
Residuals Balancing	81312	Balancing Market Congestion Balancing
Residuals Balancing	81313	Emergency Energy Purchases
Residuals Balancing	81314	Emergency Energy Sales
Residuals DAM	81301	Day Ahead Market Energy Residual
Residuals DAM	81303	Day Ahead Market Loss Residual
Residuals DAM	81308	Day Ahead Market Energy Residual
Residuals DAM	81310	Day Ahead Market Loss Residual

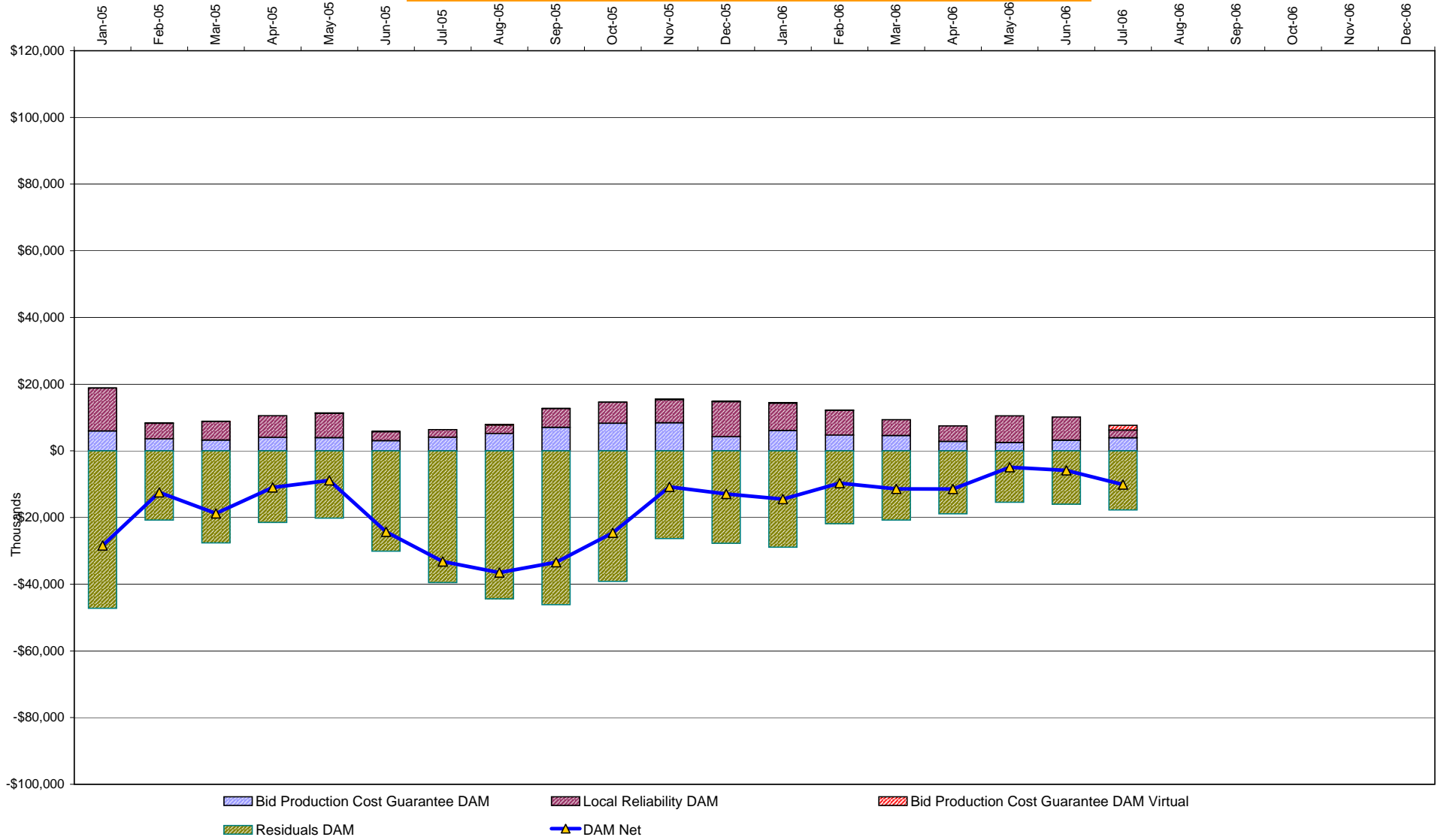
# Schedule 1 Components by Market

Day Ahead Market  
Balancing Market

# OATT Schedule 1 Components

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### NYISO Dollar Flows - Uplift - OATT Schedule 1 components

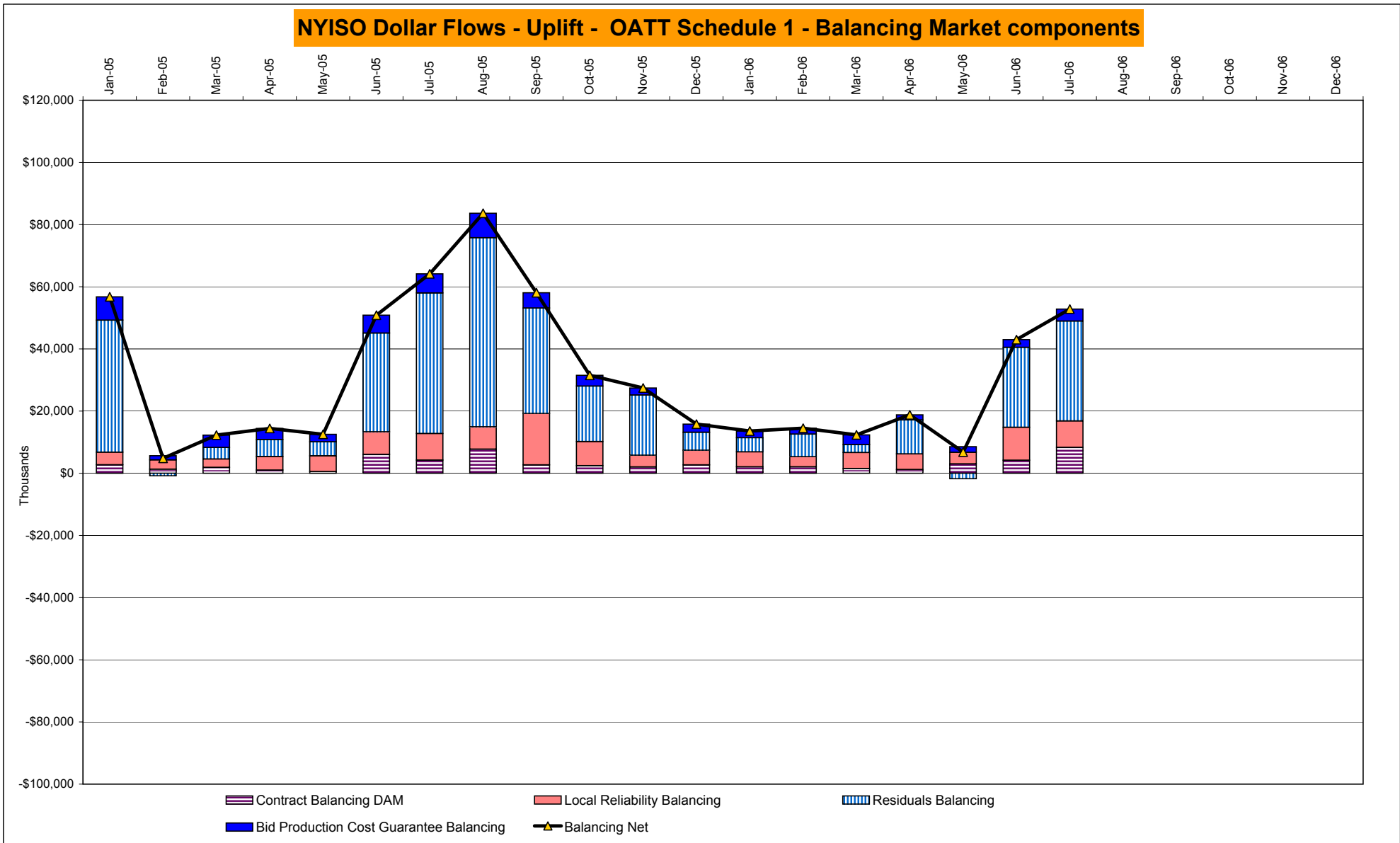


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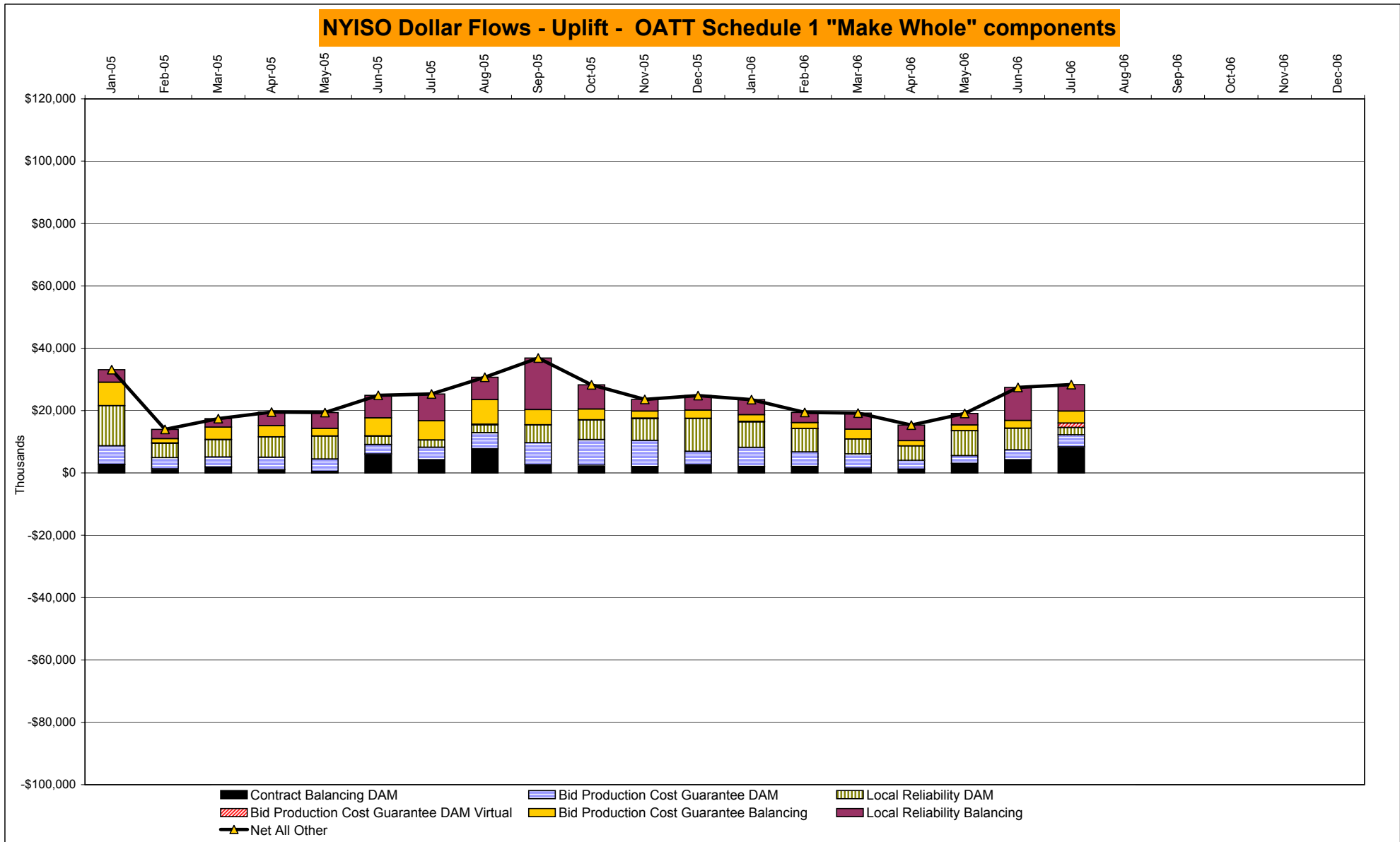
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# Schedule 1 Components by Type

“Make whole” uplift  
Residuals

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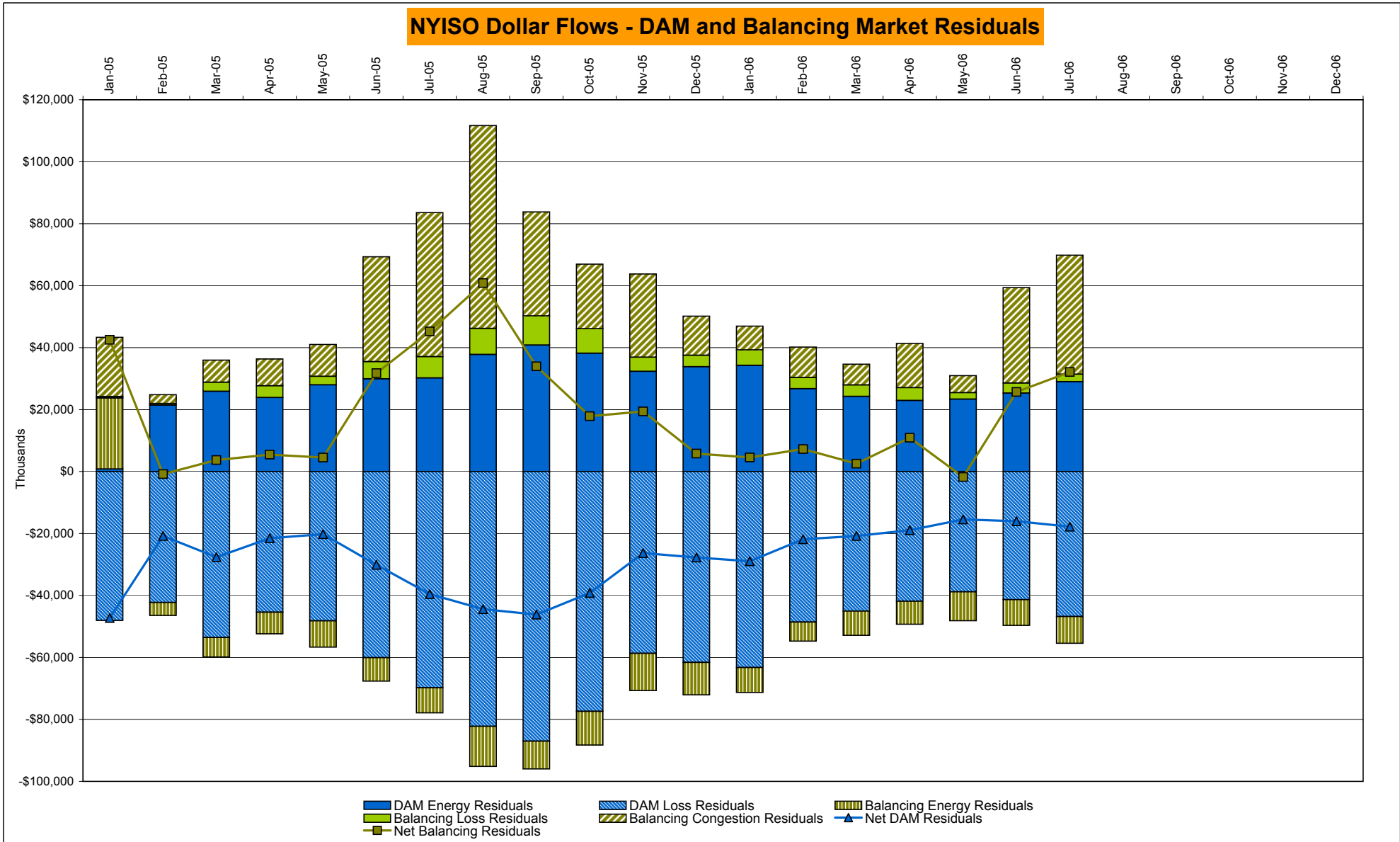
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- NYISO Cost of Operations
- Residuals Balancing
  - Balancing Market Energy Residuals
  - Balancing Market Loss Residuals
  - Balancing Market Congestion Residuals
- Residuals DAM
  - DAM Energy Residuals
  - DAM Loss Residuals



DAM residuals are revenue charged or returned to customers due to the under or over collection of funds.

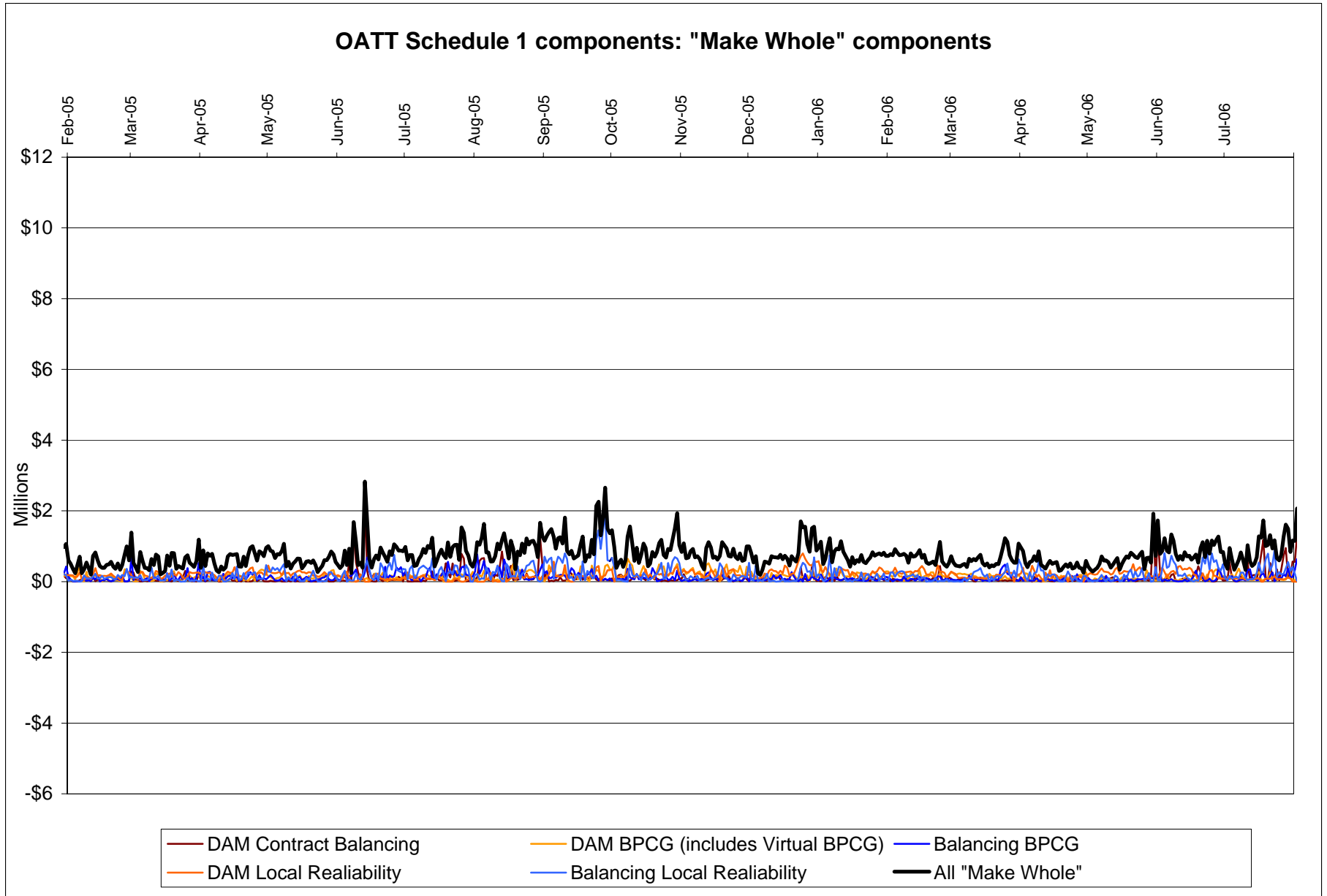
# Schedule 1 Components – Daily numbers

June 1 and Summer Variability

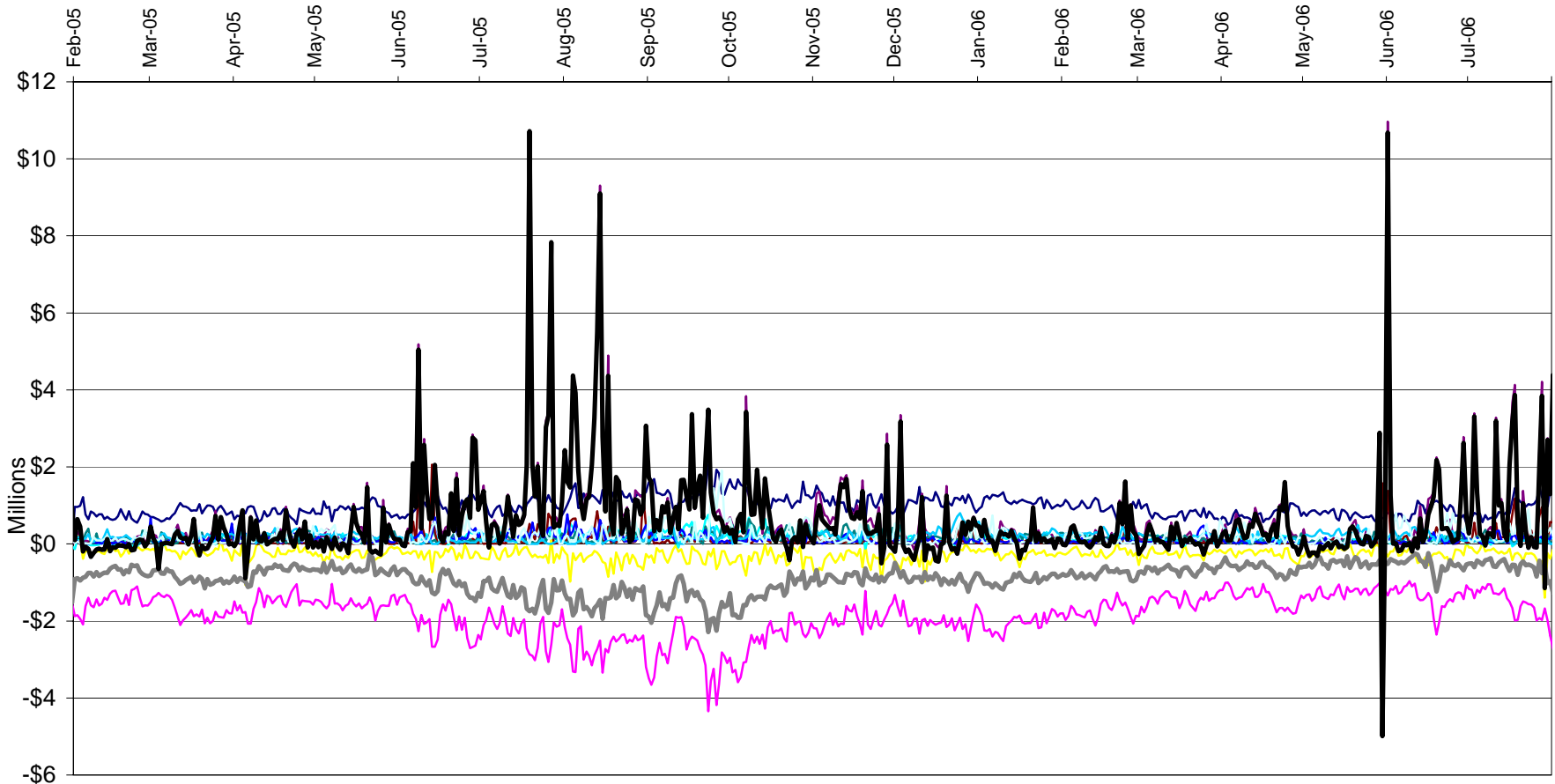


# Daily Schedule 1 Components by Type

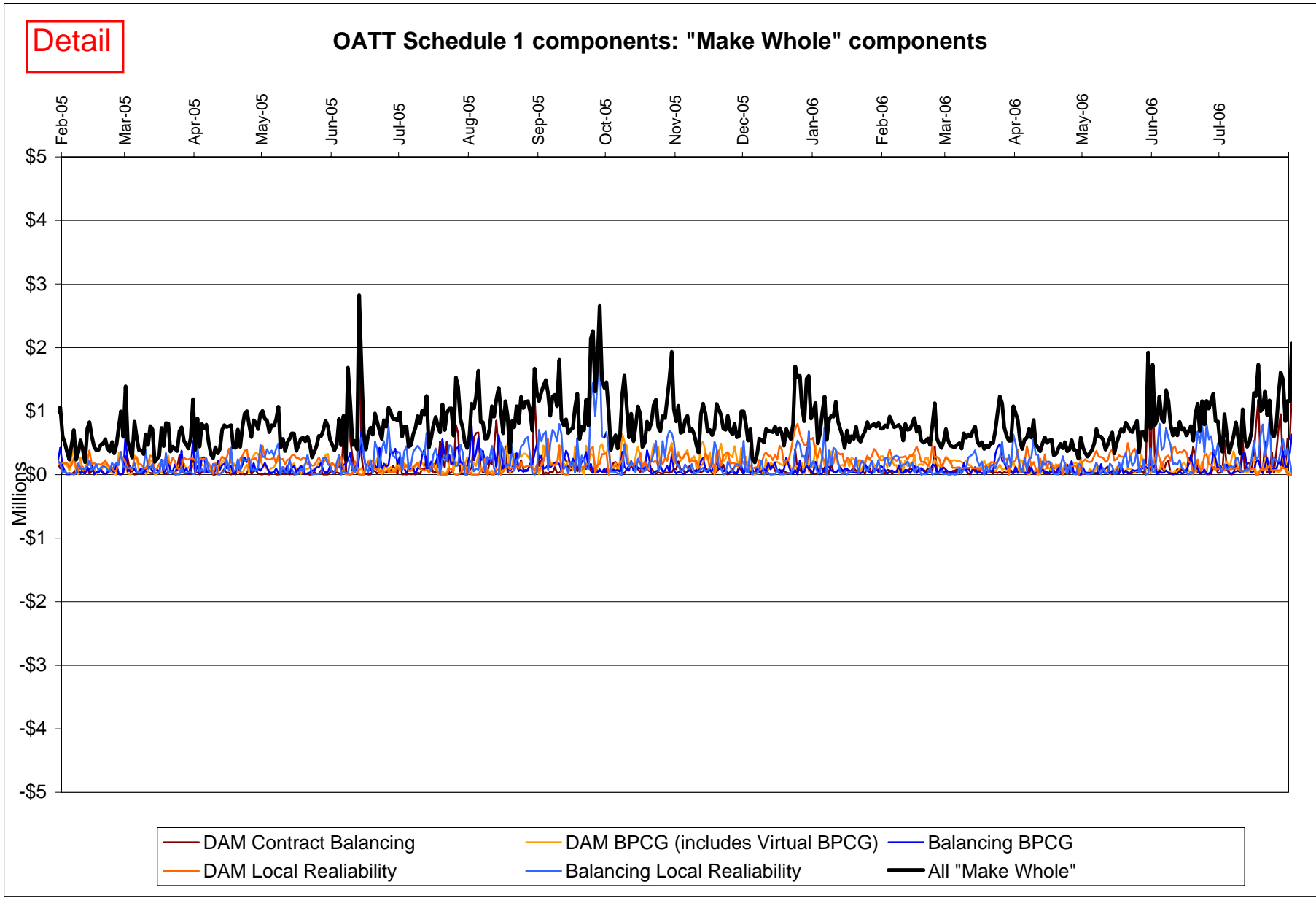
“Make whole” uplift  
Residuals



### OATT Schedule 1 Components: Day Ahead and Balancing Market Residuals

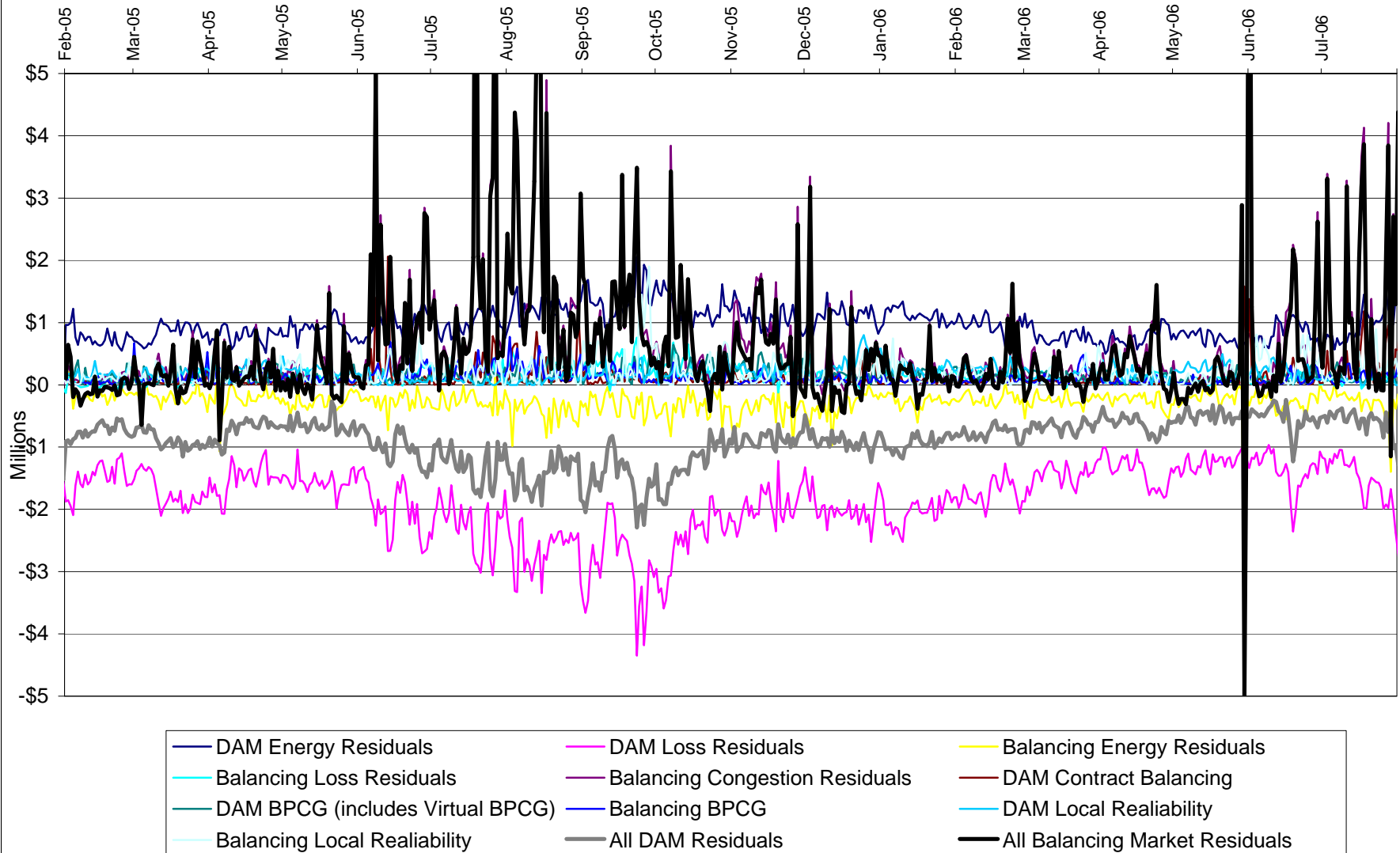


- DAM Energy Residuals
- Balancing Loss Residuals
- DAM BPCG (includes Virtual BPCG)
- Balancing Local Reliability
- DAM Loss Residuals
- Balancing Congestion Residuals
- DAM Contract Balancing
- Balancing BPCG
- DAM Local Reliability
- All DAM Residuals
- All Balancing Market Residuals

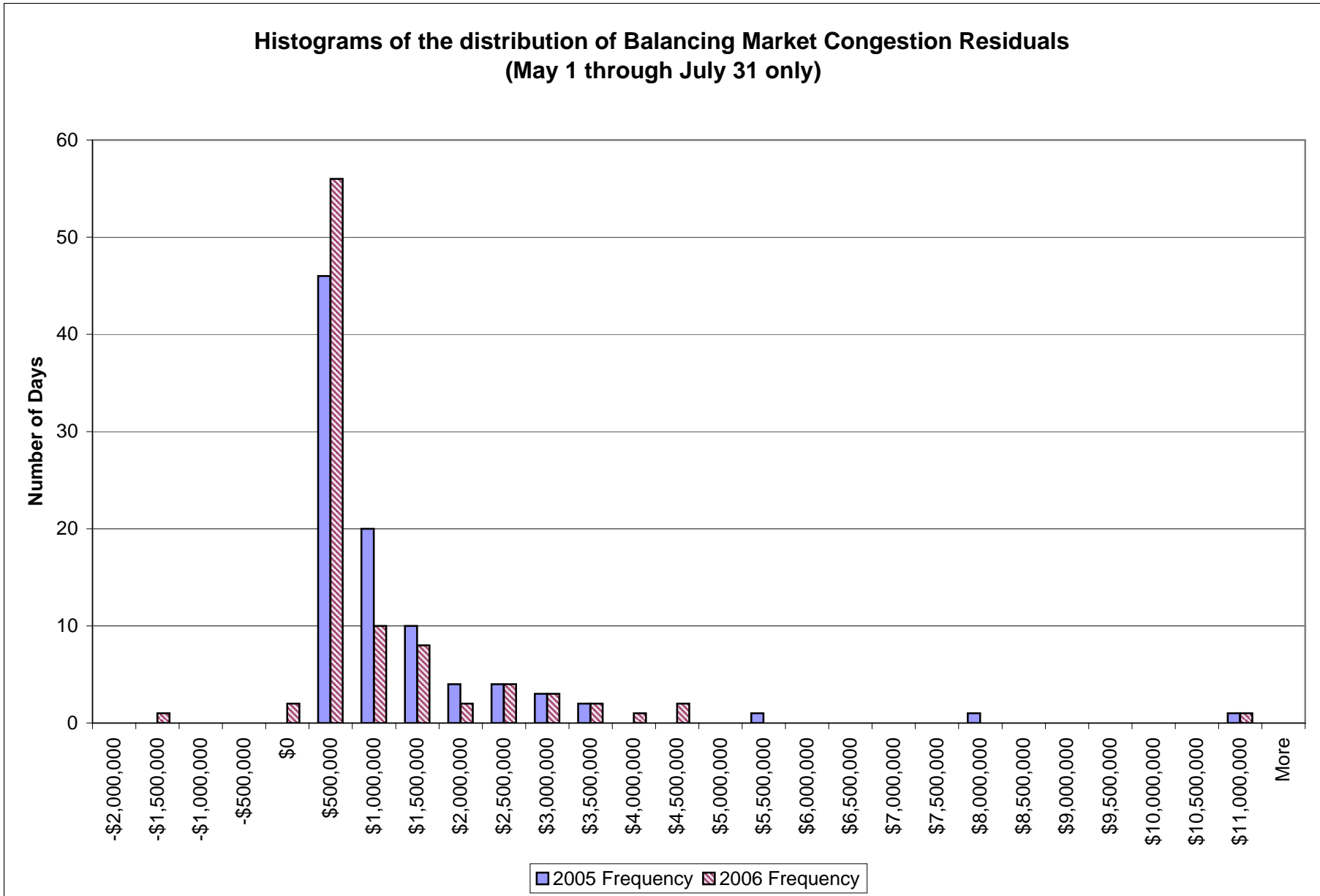


Detail

### OATT Schedule 1 Components: Day Ahead and Balancing Market Residuals



**Histograms of the distribution of Balancing Market Congestion Residuals  
(May 1 through July 31 only)**



# Balancing Market Congestion Residual

	2005	2005 May-July	2006 May-July
Mean	\$ 787,862	\$ 984,802	\$ 811,703
Median	\$ 455,526	\$ 515,738	\$ 301,915
St. Dev.	\$ 1,144,459	\$ 1,518,578	\$ 1,485,661
Min	-\$ 152,097	\$ 6,520	-\$ 1,659,103
Max	\$10,677,676	\$10,677,676	\$10,967,888