

Market Operations Report

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SENIOR VICE PRESIDENT – MARKET STRUCTURES, NYISO

Business Issues Committee Meeting

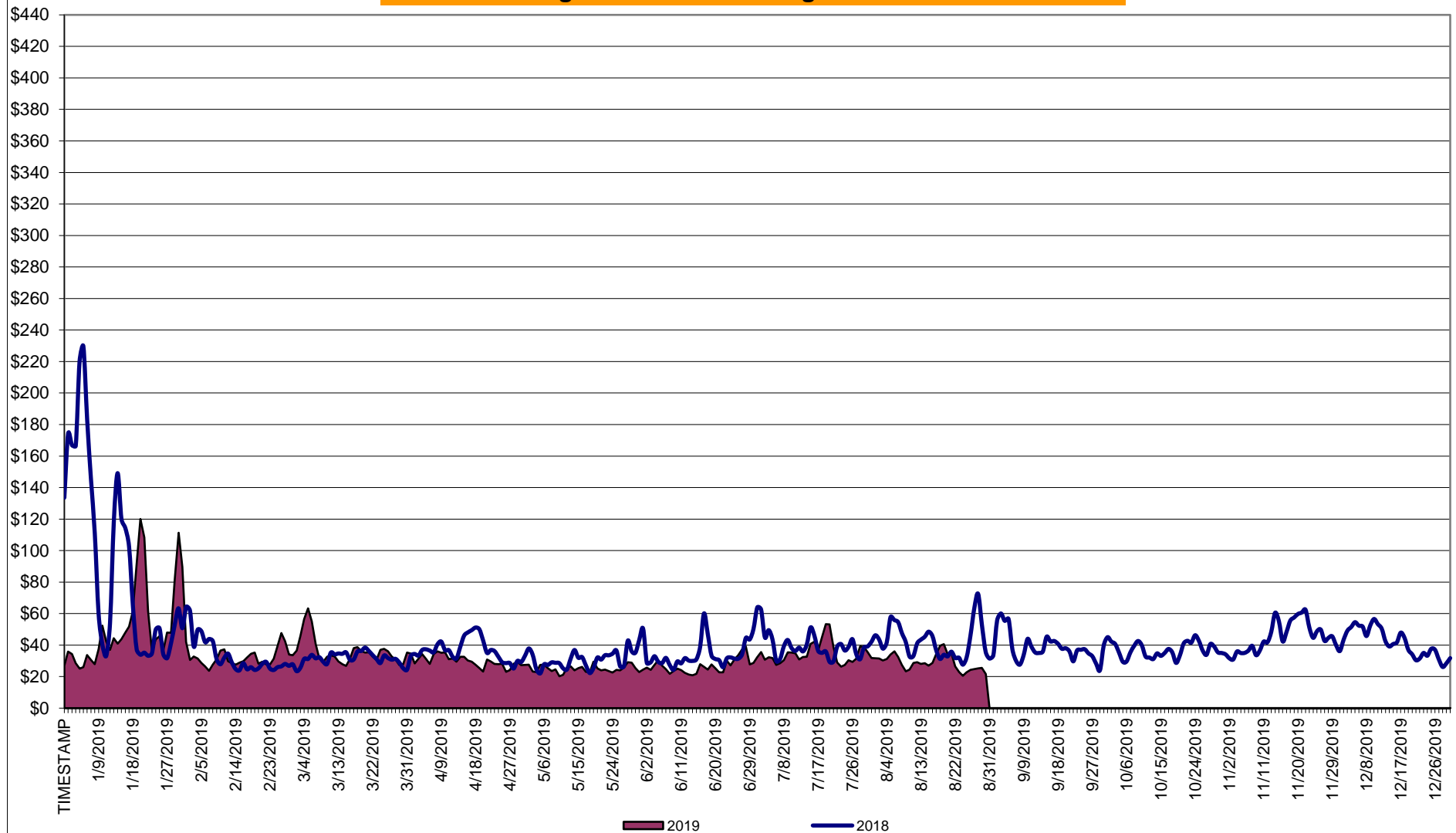
September 11, 2019 Rensselaer, NY

Market Performance Highlights

August 2019

- LBMP for August is \$27.83/MWh; lower than \$33.18/MWh in July 2019 and \$42.56/MWh in August 2018.
 - Day Ahead and Real Time Load Weighted LBMPs are lower compared to July.
- August 2019 average year-to-date monthly cost of \$34.96/MWh is a 25% decrease from \$46.37/MWh in August 2018.
- Average daily sendout is 487 GWh/day in August; lower than 539 GWh/day in July 2019 and 537 GWh/day in August 2018.
- Natural gas prices and distillate prices were lower compared to the previous month.
 - Natural Gas (Transco Z6 NY) was \$1.85/MMBtu, down from \$2.18/MMBtu in July.
 - Natural gas prices are down 38.3% year-over-year.
 - Jet Kerosene Gulf Coast was \$13.32/MMBtu, down from \$14.18/MMBtu in July.
 - Ultra Low Sulfur No.2 Diesel NY Harbor was \$13.02/MMBtu, down from \$13.71/MMBtu in July.
 - Distillate prices are down 15.1% year-over-year.
- Uplift per MWh is lower compared to the previous month.
 - Uplift (not including NYISO cost of operations) is (\$0.20)/MWh; lower than (\$0.06)/MWh in July.
 - Local Reliability Share is \$0.25/MWh, lower than \$0.44/MWh in July.
 - Statewide Share is (\$0.45)/MWh, higher than (\$0.50)/MWh in July.
 - TSA \$ per NYC MWh is \$0.33/MWh.
 - Total uplift costs (Schedule 1 components including NYISO Cost of Operations) are lower than July.

Daily NYISO Average Cost/MWh (Energy & Ancillary Services)*
2018 Annual Average \$44.92/MWh
August 2018 YTD Average \$46.37/MWh
August 2019 YTD Average \$34.96/MWh



* Excludes ICAP payments.

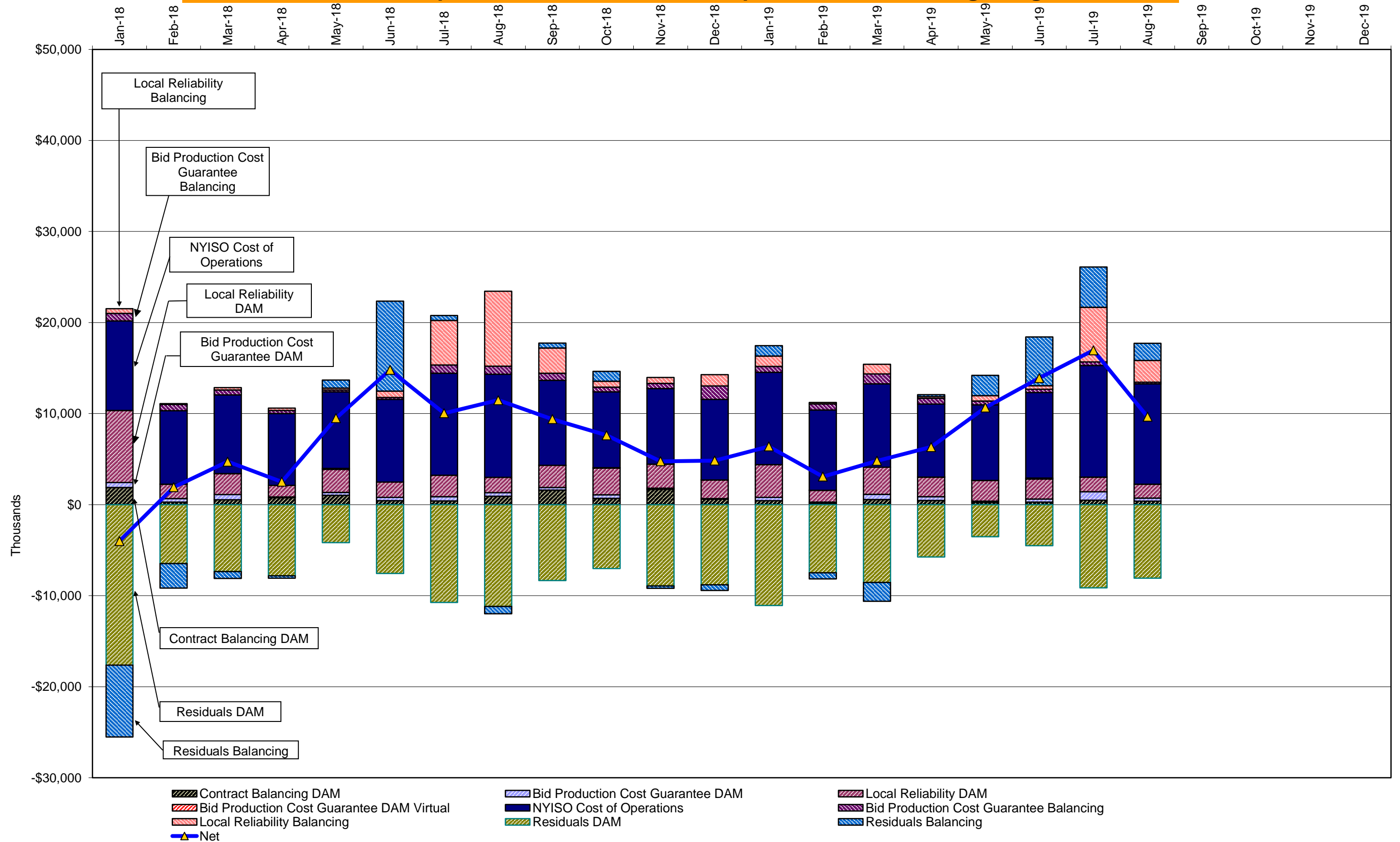
NYISO Average Cost/MWh (Energy and Ancillary Services) *
from the LBMP Customer point of view

2019	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
LBMP	50.93	33.51	34.91	28.01	23.10	24.43	33.18	27.83				
NTAC	0.51	0.69	0.98	1.16	0.72	1.08	1.01	0.98				
Reserve	0.54	0.51	0.55	0.63	0.63	0.50	0.44	0.49				
Regulation	0.13	0.11	0.10	0.33	0.13	0.09	0.07	0.09				
NYISO Cost of Operations	0.68	0.68	0.69	0.69	0.68	0.69	0.70	0.70				
FERC Fee Recovery	0.08	0.09	0.09	0.10	0.10	0.08	0.06	0.07				
Uplift	(0.25)	(0.44)	(0.33)	(0.15)	0.13	0.07	(0.06)	(0.20)				
Uplift: Local Reliability Share	0.32	0.11	0.31	0.20	0.23	0.19	0.44	0.25				
Uplift: Statewide Share	(0.57)	(0.55)	(0.64)	(0.35)	(0.11)	(0.12)	(0.50)	(0.45)				
Voltage Support and Black Start	0.37	0.37	0.38	0.38	0.38	0.38	0.38	0.38				
Avg Monthly Cost	52.99	35.51	37.38	31.16	25.88	27.32	35.78	30.33				
 Avg YTD Cost	52.99	44.93	42.54	40.12	37.57	35.76	35.75	34.96				
 TSA \$ per NYC MWh	0.00	0.00	0.01	0.01	0.19	0.77	1.00	0.33				
 2018	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
LBMP	99.55	33.83	29.91	35.00	28.78	32.53	39.58	42.56	38.70	35.85	43.15	40.31
NTAC	0.71	0.58	0.88	1.09	0.88	1.00	0.93	0.72	0.40	0.36	1.18	0.93
Reserve	0.92	0.65	0.64	0.81	0.68	0.57	0.49	0.51	0.52	0.80	0.66	0.54
Regulation	0.15	0.15	0.16	0.12	0.14	0.16	0.09	0.09	0.09	0.16	0.17	0.17
NYISO Cost of Operations	0.65	0.65	0.66	0.65	0.66	0.67	0.67	0.66	0.66	0.63	0.63	0.63
FERC Fee Recovery	0.08	0.10	0.09	0.10	0.09	0.09	0.06	0.06	0.08	0.09	0.09	0.08
Uplift	(0.92)	(0.50)	(0.31)	(0.45)	0.05	0.30	(0.13)	(0.02)	(0.11)	(0.30)	(0.27)	(0.29)
Uplift: Local Reliability Share	0.59	0.14	0.19	0.12	0.22	0.18	0.44	0.59	0.37	0.27	0.25	0.23
Uplift: Statewide Share	(1.52)	(0.64)	(0.51)	(0.57)	(0.17)	0.12	(0.57)	(0.61)	(0.48)	(0.56)	(0.52)	(0.52)
Voltage Support and Black Start	0.40	0.41	0.42	0.41	0.42	0.42	0.42	0.42	0.42	0.40	0.40	0.40
Avg Monthly Cost	101.54	35.87	32.45	37.74	31.70	35.73	42.12	45.01	40.76	38.00	46.01	42.78
 Avg YTD Cost	101.54	72.85	60.06	54.82	50.20	47.70	46.64	46.37	45.75	45.03	45.11	44.92
 TSA \$ per NYC MWh	0.00	0.00	0.04	0.00	0.08	0.39	0.21	0.14	0.33	0.75	0.00	0.00

* Excludes ICAP payments.
Market Mitigation and Analysis
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As of Jan. 2016, the annual FERC fee is recovered separately from Cost of Ops.

NYISO Dollar Flows - Uplift - OATT Schedule 1 components - Data through August 31, 2019



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 consist of both energy and loss revenue collections and payments. By design, there is a net over collection of revenues due to the difference between the marginal losses paid to generation and the average losses charged to loads.

NYISO Markets Transactions

2019	January	February	March	April	May	June	July	August	September	October	November	December
Day Ahead Market MWh	15,299,458	13,391,383	13,527,834	11,811,029	12,521,583	13,723,372	17,416,589	16,379,968				
DAM LSE Internal LBMP Energy Sales	57%	57%	59%	59%	57%	58%	64%	63%				
DAM External TC LBMP Energy Sales	6%	5%	3%	1%	3%	3%	3%	3%				
DAM Bilateral - Internal Bilaterals	29%	30%	30%	31%	32%	29%	26%	26%				
DAM Bilateral - Import/Non-LBMP Market Bilaterals	5%	5%	5%	5%	6%	5%	4%	4%				
DAM Bilateral - Export/Non-LBMP Market Bilaterals	1%	1%	2%	2%	2%	2%	1%	1%				
DAM Bilateral - Wheel Through Bilaterals	2%	2%	2%	2%	1%	2%	2%	2%				
Balancing Energy Market MWh	-322,442	-323,188	-261,217	-218,482	-392,699	-102,044	103,628	-514,102				
Balancing Energy LSE Internal LBMP Energy Sales	-120%	-126%	-138%	-178%	-150%	-264%	-2%	-119%				
Balancing Energy External TC LBMP Energy Sales	65%	67%	82%	113%	68%	233%	199%	41%				
Balancing Energy Bilateral - Internal Bilaterals	-4%	-1%	-3%	2%	1%	0%	5%	0%				
Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	0%	15%	0%				
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	3%	7%	6%	7%	2%	8%	8%	1%				
Balancing Energy Bilateral - Wheel Through Bilaterals	-45%	-47%	-47%	-44%	-21%	-77%	-125%	-23%				
Transactions Summary												
LBMP	63%	62%	61%	60%	59%	62%	68%	65%				
Internal Bilaterals	29%	30%	30%	31%	33%	30%	25%	27%				
Import Bilaterals	5%	5%	6%	6%	6%	5%	4%	5%				
Export Bilaterals	1%	2%	2%	2%	2%	2%	1%	1%				
Wheels Through	1%	1%	1%	1%	0%	1%	1%	1%				
Market Share of Total Load												
Day Ahead Market	102.2%	102.5%	102.0%	101.9%	103.2%	100.7%	99.4%	103.2%				
Balancing Energy +	-2.2%	-2.5%	-2.0%	-1.9%	-3.2%	-0.7%	0.6%	-3.2%				
Total MWh	14,977,016	13,068,195	13,266,617	11,592,547	12,128,884	13,621,328	17,520,217	15,865,866				
Average Daily Energy Sendout/Month GWh	449	436	411	371	373	429	539	487				

2018	January	February	March	April	May	June	July	August	September	October	November	December
Day Ahead Market MWh	15,153,751	12,643,854	13,521,386	12,158,686	12,721,073	13,983,384	16,839,994	17,195,447	14,432,632	13,548,828	13,506,134	14,450,460
DAM LSE Internal LBMP Energy Sales	59%	57%	58%	60%	61%	61%	65%	65%	61%	57%	58%	56%
DAM External TC LBMP Energy Sales	4%	3%	2%	2%	2%	1%	1%	2%	3%	6%	6%	6%
DAM Bilateral - Internal Bilaterals	29%	31%	32%	30%	29%	30%	26%	25%	28%	29%	30%	30%
DAM Bilateral - Import/Non-LBMP Market Bilaterals	5%	5%	5%	5%	5%	5%	4%	4%	5%	5%	2%	5%
DAM Bilateral - Export/Non-LBMP Market Bilaterals	2%	2%	2%	2%	2%	1%	1%	1%	1%	2%	2%	2%
DAM Bilateral - Wheel Through Bilaterals	1%	2%	2%	2%	2%	2%	2%	2%	2%	1%	1%	2%
Balancing Energy Market MWh	-149,619	-299,377	-386,811	-72,862	-29,539	-354,112	-80,438	-44,732	-210,436	-314,885	-304,277	-428,748
Balancing Energy LSE Internal LBMP Energy Sales	-147%	-101%	-128%	-208%	-458%	-113%	-123%	-75%	-82%	-105%	-100%	-94%
Balancing Energy External TC LBMP Energy Sales	74%	24%	37%	189%	564%	29%	129%	209%	14%	30%	18%	27%
Balancing Energy Bilateral - Internal Bilaterals	9%	5%	0%	-11%	29%	5%	18%	23%	7%	2%	3%	3%
Balancing Energy Bilateral - Import/Non-LBMP Market Bilaterals	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	10%	0%
Balancing Energy Bilateral - Export/Non-LBMP Market Bilaterals	22%	9%	6%	34%	51%	3%	14%	25%	3%	0%	0%	0%
Balancing Energy Bilateral - Wheel Through Bilaterals	-58%	-36%	-15%	-103%	-287%	-23%	-138%	-281%	-42%	-27%	-31%	-36%
Transactions Summary												
LBMP	63%	59%	59%	62%	63%	61%	66%	68%	64%	63%	64%	61%
Internal Bilaterals	30%	32%	33%	30%	29%	31%	27%	25%	28%	30%	31%	31%
Import Bilaterals	5%	5%	6%	5%	5%	5%	4%	4%	5%	5%	3%	5%
Export Bilaterals	2%	2%	2%	2%	2%	1%	1%	1%	1%	2%	2%	2%
Wheels Through	1%	1%	1%	1%	1%	2%	1%	1%	2%	1%	1%	1%
Market Share of Total Load												
Day Ahead Market	101.0%	102.4%	102.9%	100.6%	100.2%	102.6%	100.5%	100.3%	101.5%	102.4%	102.3%	103.1%
Balancing Energy +	-1.0%	-2.4%	-2.9%	-0.6%	-0.2%	-2.6%	-0.5%	-0.3%	-1.5%	-2.4%	-2.3%	-3.1%
Total MWh	15,004,132	12,344,477	13,134,575	12,085,824	12,691,534	13,629,272	16,759,556	17,150,715	14,222,196	13,233,943	13,201,857	14,021,712
Average Daily Energy Sendout/Month GWh	463	426	413	390	397	445	529	537	458	399	411	425

+ Balancing Energy: Load(MW) purchased at Real Time LBMP.

* The signs for the detail section intuitively reflect the direction of power flow eliminating the use of double negatives when Balancing Energy is negative.

Notes: Percent totals may not equal 100% due to rounding.
Virtual Transactions are not reflected in this chart.

NYISO Markets 2019 Energy Statistics

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>DAY AHEAD LBMP</u>												
Price *	\$45.01	\$30.66	\$32.34	\$25.97	\$21.16	\$21.79	\$30.16	\$25.35				
Standard Deviation	\$25.67	\$12.86	\$9.30	\$6.32	\$5.89	\$7.28	\$12.06	\$8.73				
Load Weighted Price **	\$46.88	\$31.53	\$33.14	\$26.57	\$21.89	\$23.04	\$31.98	\$26.83				
<u>RTC LBMP</u>												
Price *	\$40.86	\$29.74	\$31.04	\$25.07	\$21.88	\$25.67	\$32.23	\$24.92				
Standard Deviation	\$23.02	\$10.79	\$8.48	\$7.53	\$8.01	\$23.45	\$21.96	\$14.96				
Load Weighted Price **	\$42.39	\$30.32	\$31.62	\$25.54	\$22.44	\$27.64	\$33.92	\$26.14				
<u>REAL TIME LBMP</u>												
Price *	\$39.54	\$30.13	\$31.46	\$24.47	\$20.56	\$23.30	\$30.77	\$24.01				
Standard Deviation	\$26.03	\$13.77	\$12.54	\$17.27	\$10.35	\$17.49	\$20.63	\$12.36				
Load Weighted Price **	\$41.24	\$30.80	\$32.06	\$25.06	\$21.28	\$25.05	\$32.53	\$25.34				
Average Daily Energy Sendout/Month GWh	449	436	411	371	373	429	539	487				

NYISO Markets 2018 Energy Statistics

	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>DAY AHEAD LBMP</u>												
Price *	\$83.53	\$30.37	\$27.37	\$32.40	\$25.97	\$28.41	\$35.73	\$38.00	\$33.28	\$33.27	\$38.36	\$36.88
Standard Deviation	\$58.94	\$12.38	\$6.34	\$9.06	\$9.22	\$11.42	\$15.25	\$16.51	\$12.01	\$9.24	\$11.36	\$11.61
Load Weighted Price **	\$88.42	\$31.44	\$27.95	\$33.14	\$27.26	\$30.27	\$38.14	\$40.64	\$35.33	\$34.33	\$39.55	\$37.96
<u>RTC LBMP</u>												
Price *	\$81.65	\$27.73	\$25.99	\$30.80	\$25.40	\$26.06	\$34.65	\$38.13	\$39.52	\$30.92	\$38.37	\$35.01
Standard Deviation	\$60.83	\$11.96	\$8.99	\$14.30	\$20.37	\$12.78	\$17.44	\$20.05	\$61.50	\$13.43	\$17.24	\$12.27
Load Weighted Price **	\$85.85	\$28.54	\$26.46	\$31.47	\$27.08	\$27.35	\$36.93	\$40.40	\$43.83	\$31.55	\$39.53	\$35.84
<u>REAL TIME LBMP</u>												
Price *	\$87.94	\$28.50	\$26.49	\$34.53	\$25.57	\$26.31	\$34.34	\$38.07	\$38.15	\$33.88	\$39.18	\$34.74
Standard Deviation	\$87.41	\$17.36	\$12.25	\$26.57	\$23.49	\$24.34	\$18.44	\$27.21	\$46.81	\$37.42	\$26.15	\$17.44
Load Weighted Price **	\$93.59	\$29.49	\$27.09	\$35.72	\$27.47	\$28.38	\$36.84	\$40.87	\$42.87	\$34.94	\$40.63	\$35.70
Average Daily Energy Sendout/Month GWh	463	426	413	390	397	445	529	537	458	399	411	425

* Average zonal load weighted prices.

** Average zonal load weighted prices, load weighted in each hour.

NYISO Monthly Average Internal LBMPs 2018- 2019

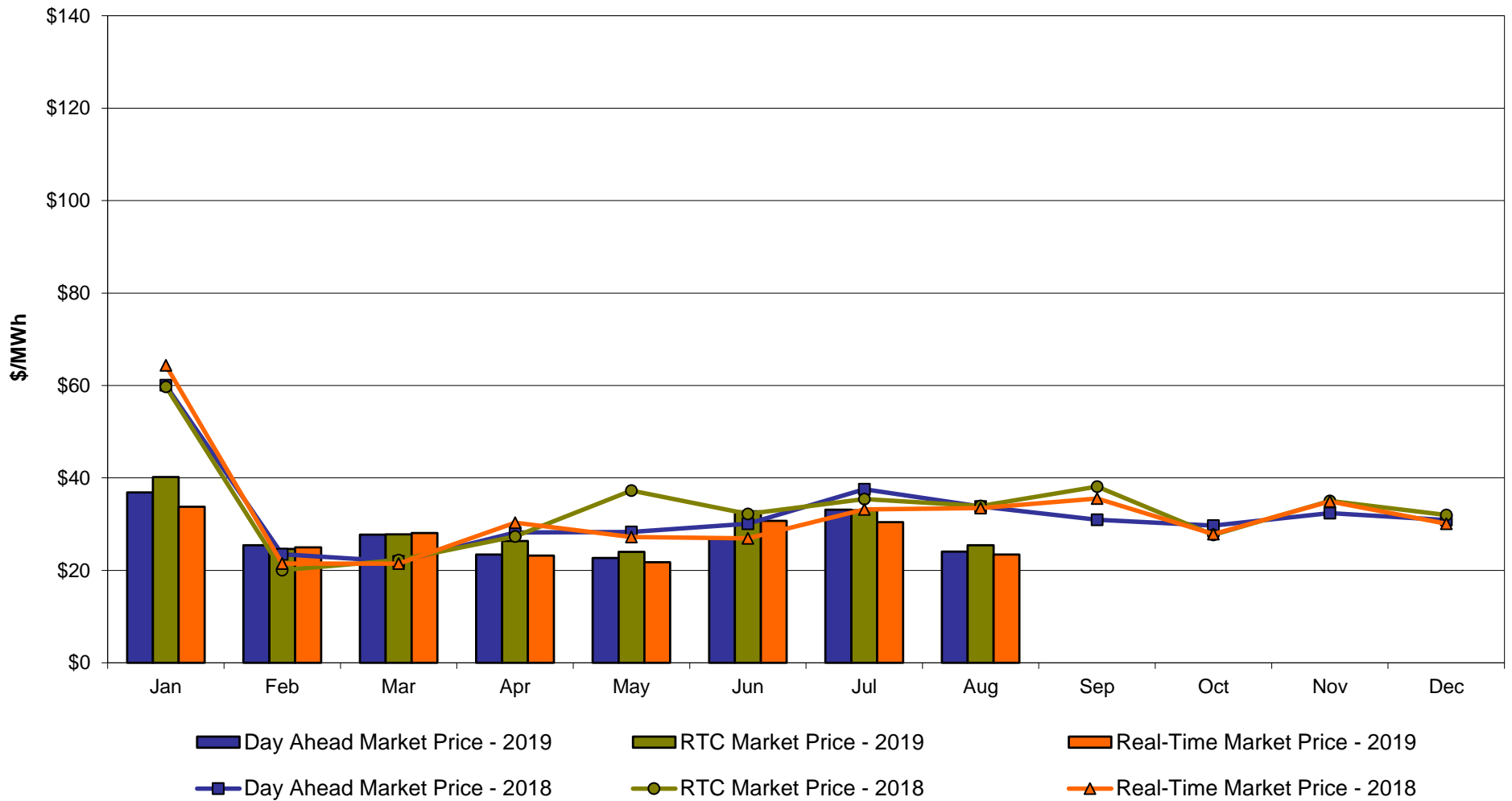


August 2019 Zonal LBMP Statistics for NYISO (\$/MWh)

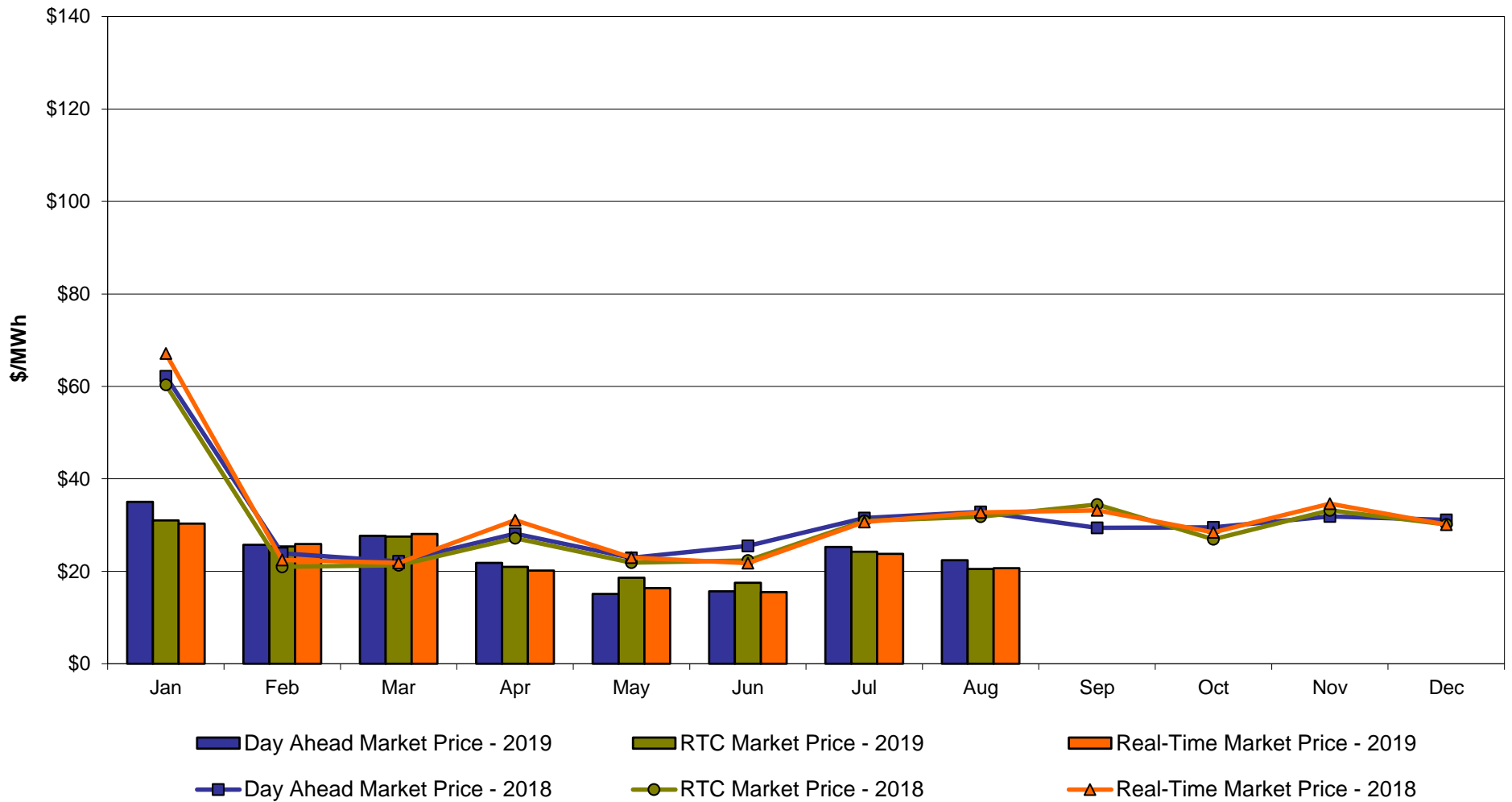
	<u>WEST</u> <u>Zone A</u>	<u>GENESEE</u> <u>Zone B</u>	<u>NORTH</u> <u>Zone D</u>	<u>CENTRAL</u> <u>Zone C</u>	<u>MOHAWK</u> <u>VALLEY</u> <u>Zone E</u>	<u>CAPITAL</u> <u>Zone F</u>	<u>HUDSON</u> <u>VALLEY</u> <u>Zone G</u>	<u>MILLWOOD</u> <u>Zone H</u>	<u>DUNWOODIE</u> <u>Zone I</u>	<u>NEW YORK</u> <u>CITY</u> <u>Zone J</u>	<u>LONG</u> <u>ISLAND</u> <u>Zone K</u>
<u>DAY AHEAD LBMP</u>											
Unweighted Price *	24.05	21.53	19.62	22.40	22.60	24.06	24.50	24.86	25.03	26.59	28.99
Standard Deviation	11.08	7.03	7.26	7.59	7.62	7.46	8.07	8.51	8.63	9.57	10.11
<u>RTC LBMP</u>											
Unweighted Price *	25.44	19.46	18.73	20.48	20.83	22.08	22.38	22.67	23.12	23.66	37.01
Standard Deviation	28.81	7.55	7.80	8.00	8.19	7.83	8.89	9.30	9.76	10.18	73.86
<u>REAL TIME LBMP</u>											
Unweighted Price *	23.41	19.88	18.96	20.67	21.04	22.20	22.44	22.72	23.29	23.97	31.50
Standard Deviation	17.34	10.46	9.97	10.77	11.02	10.89	11.47	11.67	12.14	12.89	28.42
	<u>ONTARIO</u> <u>IESO</u>	<u>HYDRO</u> <u>QUEBEC</u> <u>(Wheel)</u>	<u>HYDRO</u> <u>QUEBEC</u> <u>(Import/Export)</u>	<u>PJM</u>	<u>NEW</u> <u>ENGLAND</u>	<u>CROSS</u> <u>SOUND</u> <u>CABLE</u> <u>Controllable</u> <u>Line</u>	<u>NORTHPORT-</u> <u>NORWALK</u> <u>Controllable</u> <u>Line</u>	<u>NEPTUNE</u> <u>Controllable</u> <u>Line</u>	<u>LINDEN VFT</u> <u>Controllable</u> <u>Line</u>	<u>HUDSON</u> <u>Controllable</u> <u>Line</u>	<u>Dennison</u> <u>Controllable</u> <u>Line</u>
	<u>Zone O</u>	<u>Zone M</u>	<u>Zone M</u>	<u>Zone P</u>	<u>Zone N</u>						
<u>DAY AHEAD LBMP</u>											
Unweighted Price *	20.23	20.33	20.33	23.69	24.47	27.55	26.59	26.89	24.95	25.42	19.17
Standard Deviation	6.13	6.89	6.89	7.98	7.89	8.98	8.22	9.03	7.72	8.64	7.09
<u>RTC LBMP</u>											
Unweighted Price *	19.04	18.38	18.38	22.18	23.70	40.24	32.32	30.39	21.83	23.21	18.61
Standard Deviation	7.08	8.06	8.06	10.35	9.64	80.04	72.69	52.33	10.25	9.54	8.92
<u>REAL TIME LBMP</u>											
Unweighted Price *	19.15	18.73	18.73	21.72	22.99	34.97	25.42	27.24	20.06	23.37	18.77
Standard Deviation	10.67	9.91	9.91	11.59	11.16	39.77	36.87	21.21	25.97	11.96	10.53

* Straight LBMP averages

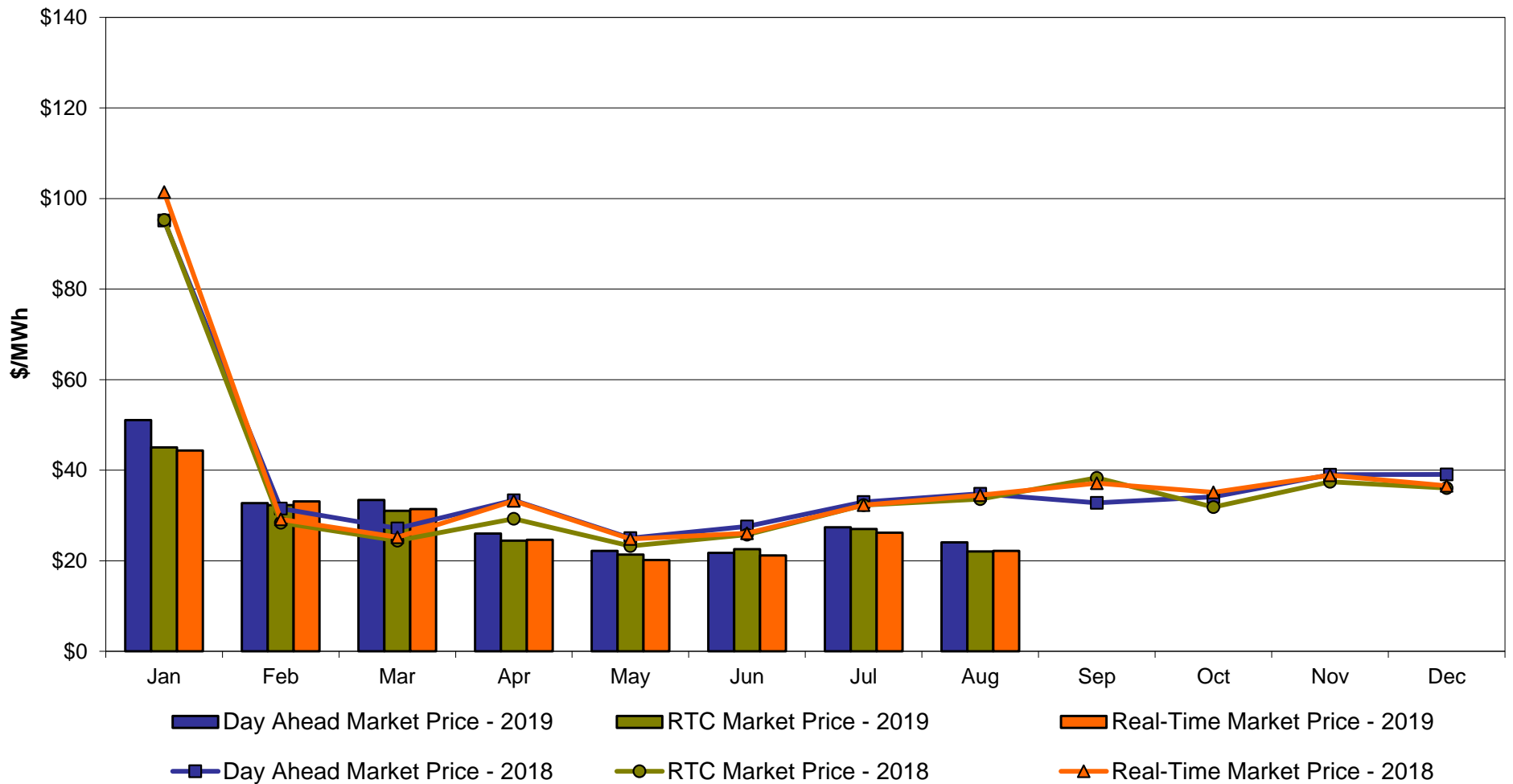
West Zone A **Monthly Average LBMP Prices 2018 - 2019**



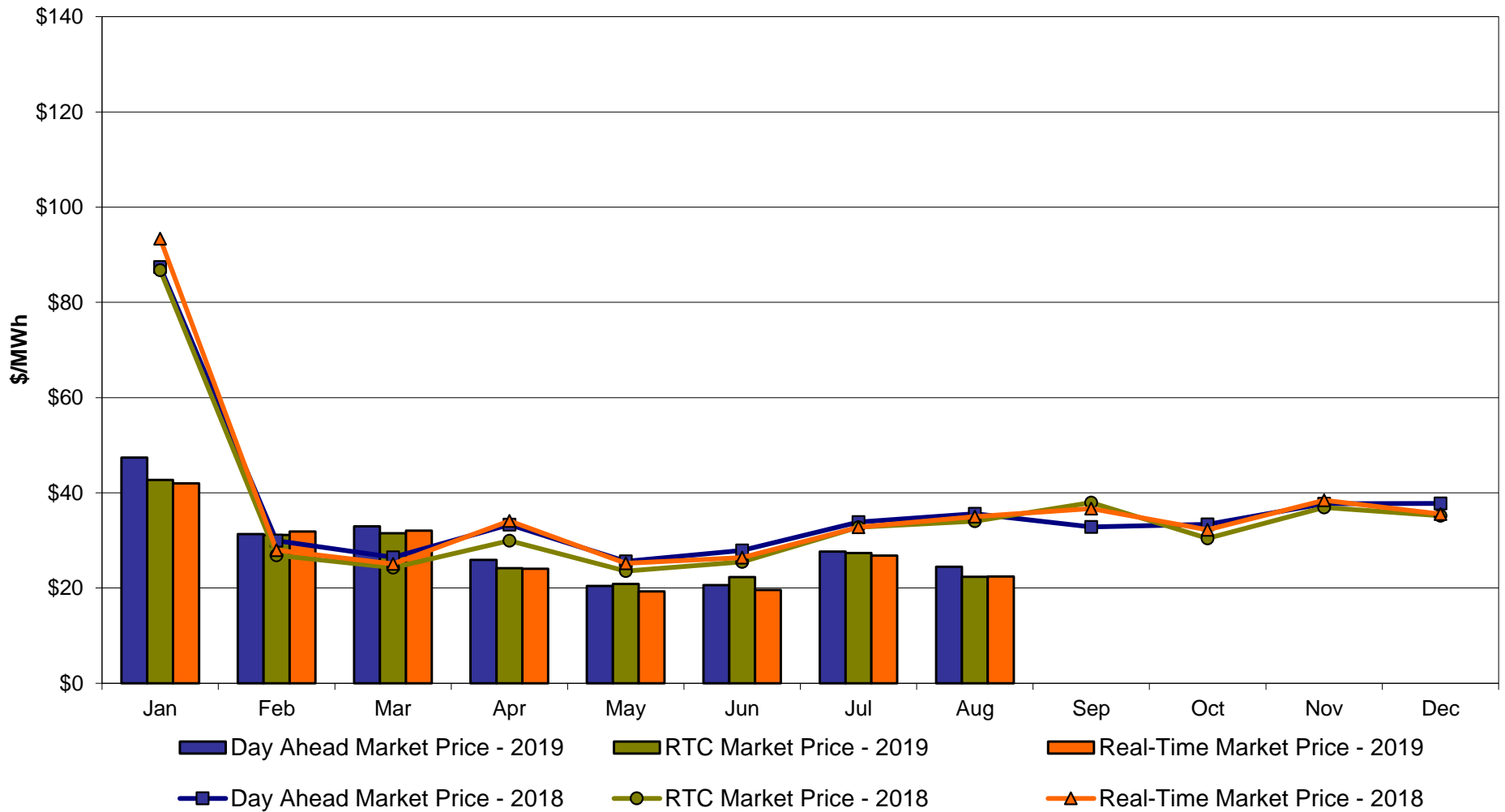
Central Zone C
Monthly Average LBMP Prices 2018 - 2019



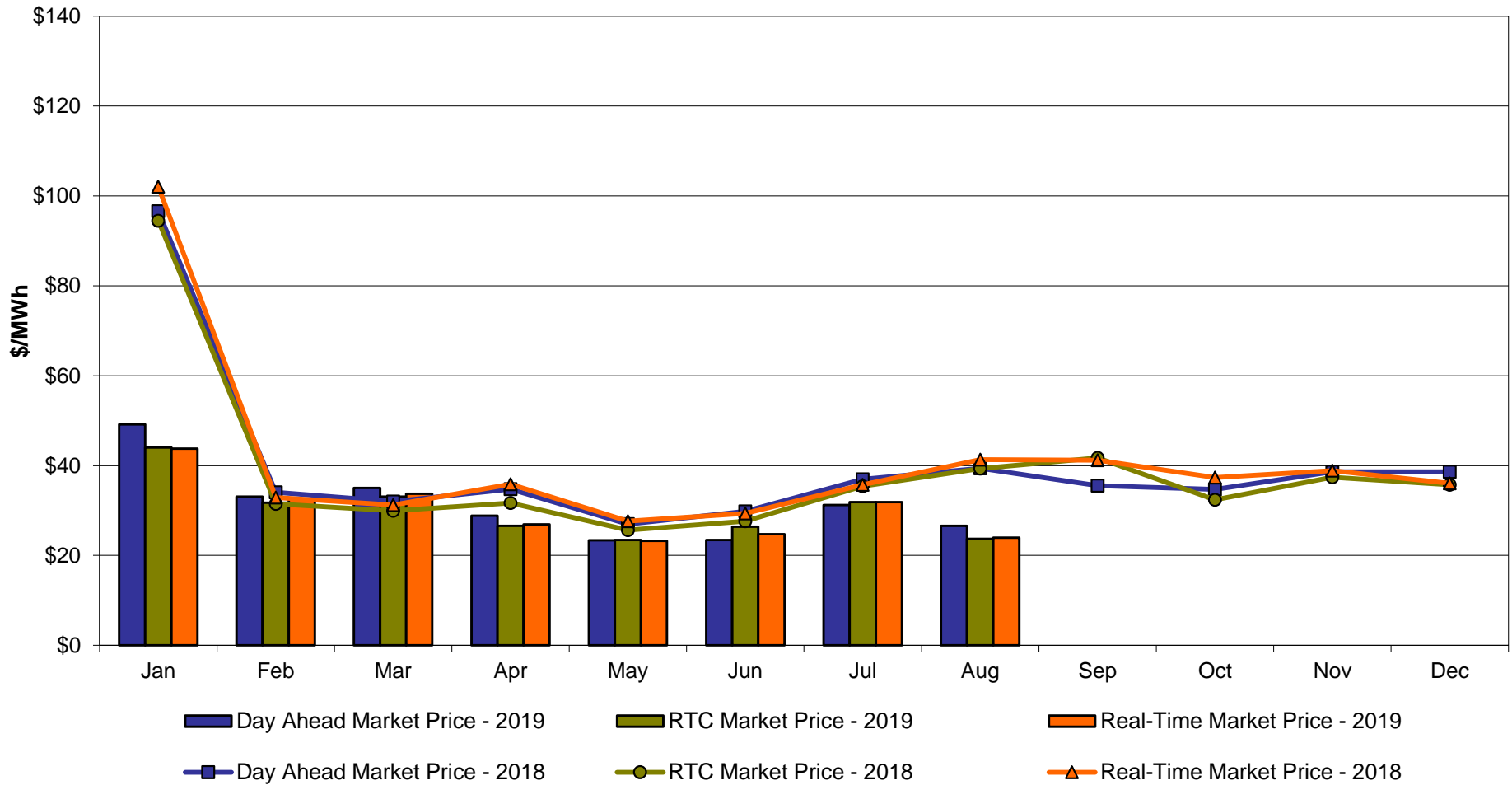
Capital Zone F **Monthly Average LBMP Prices 2018 - 2019**



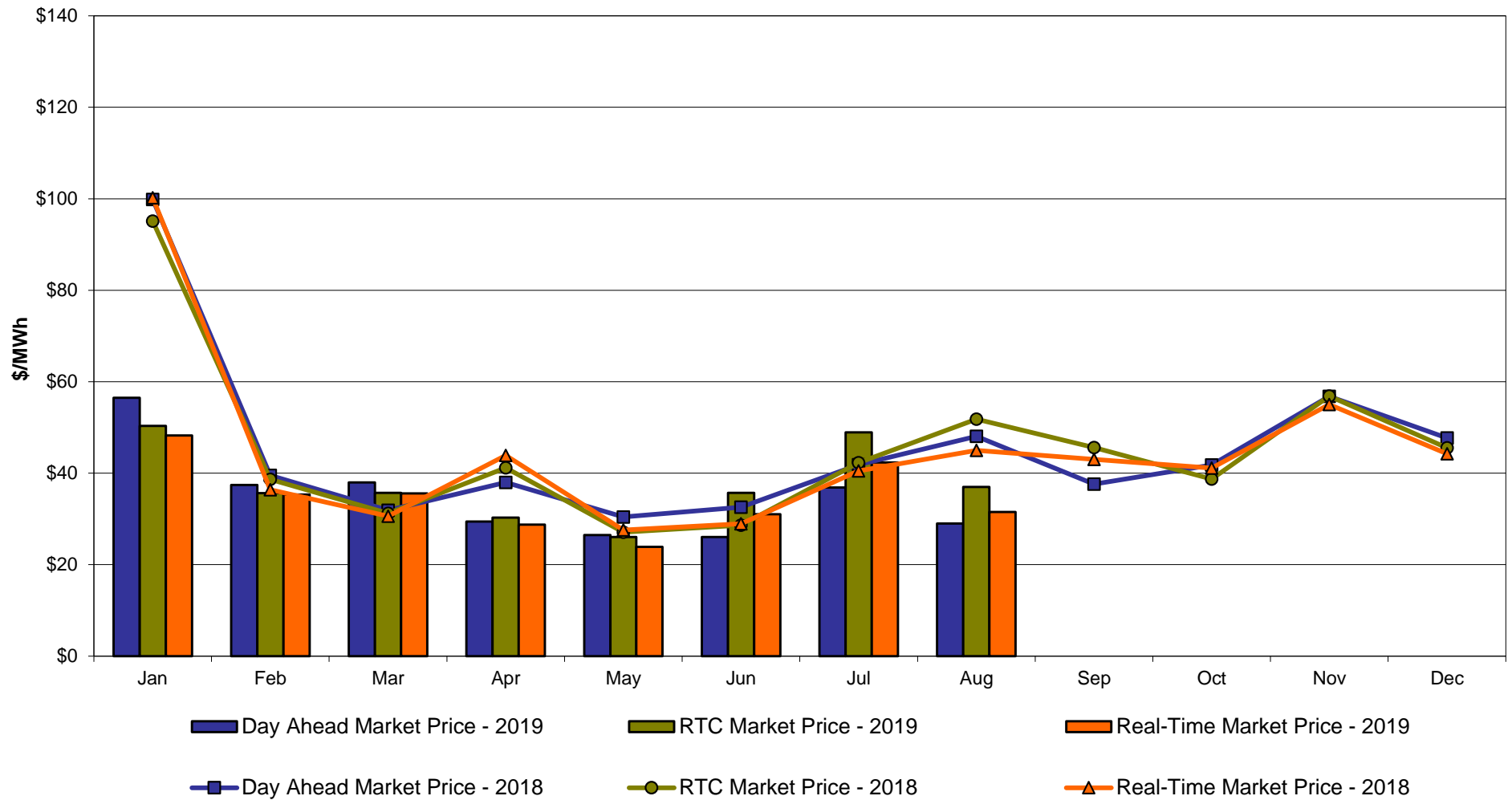
Hudson Valley Zone G Monthly Average LBMP Prices 2018 - 2019

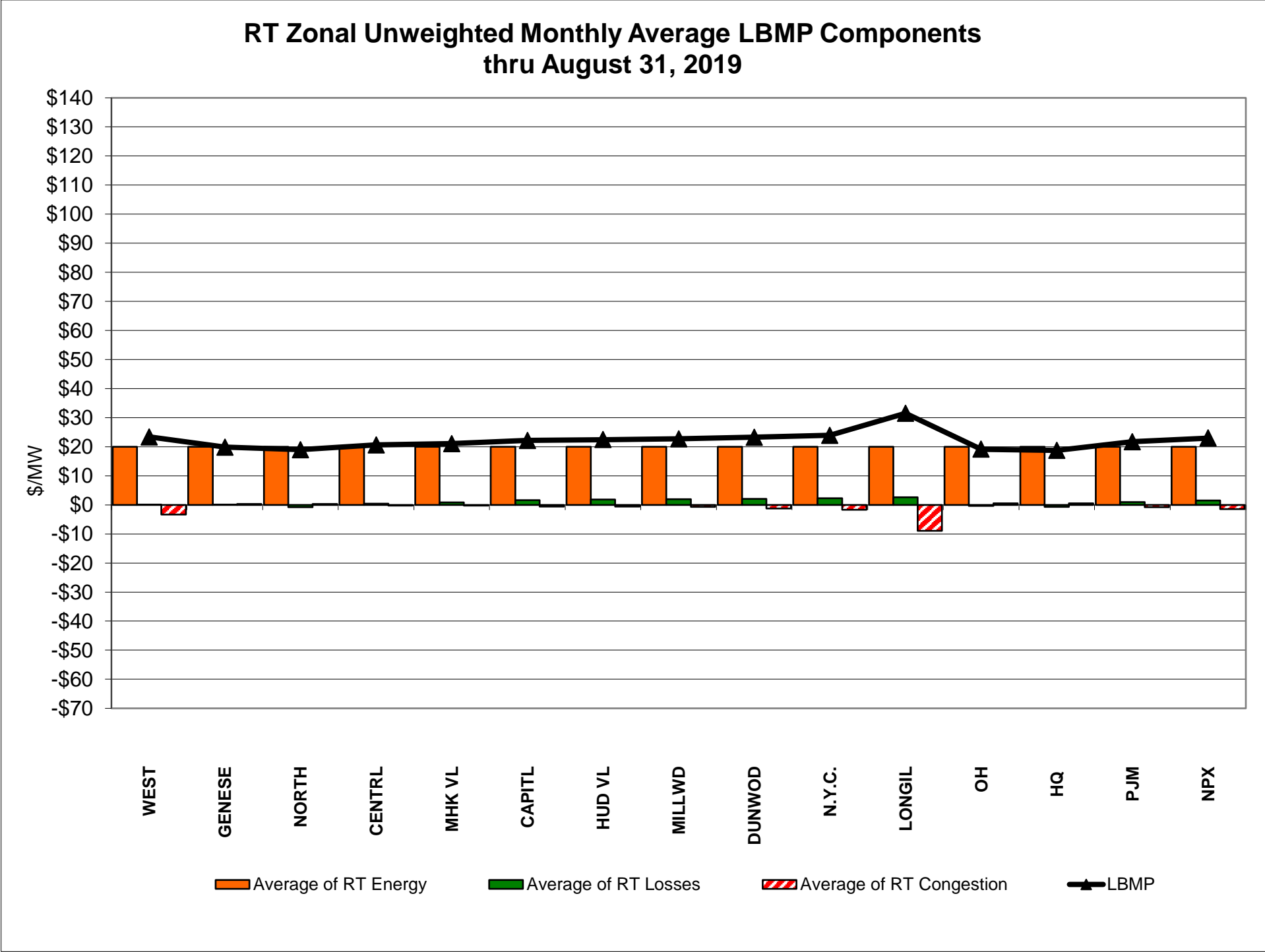
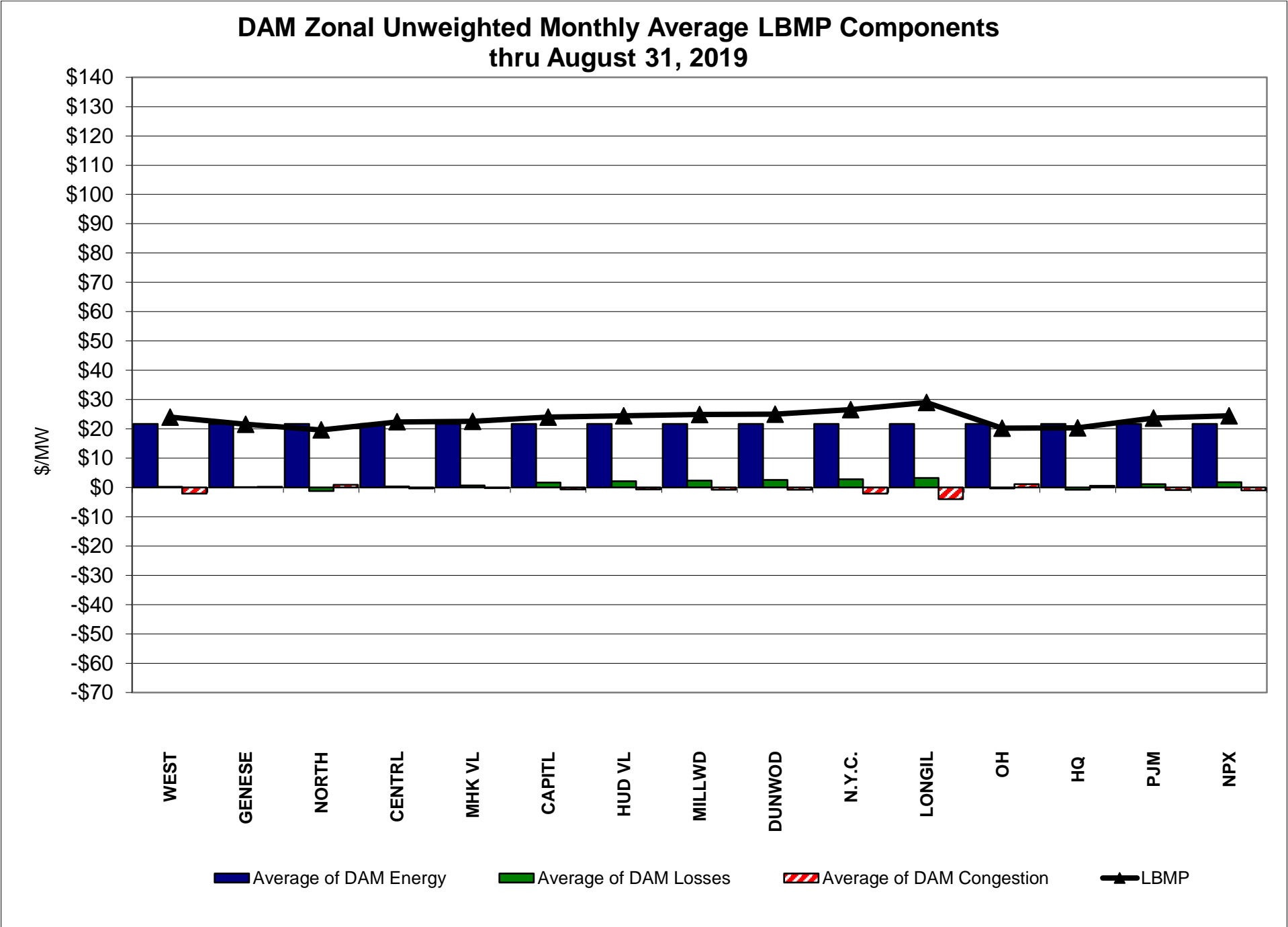


NYC Zone J **Monthly Average LBMP Prices 2018 - 2019**

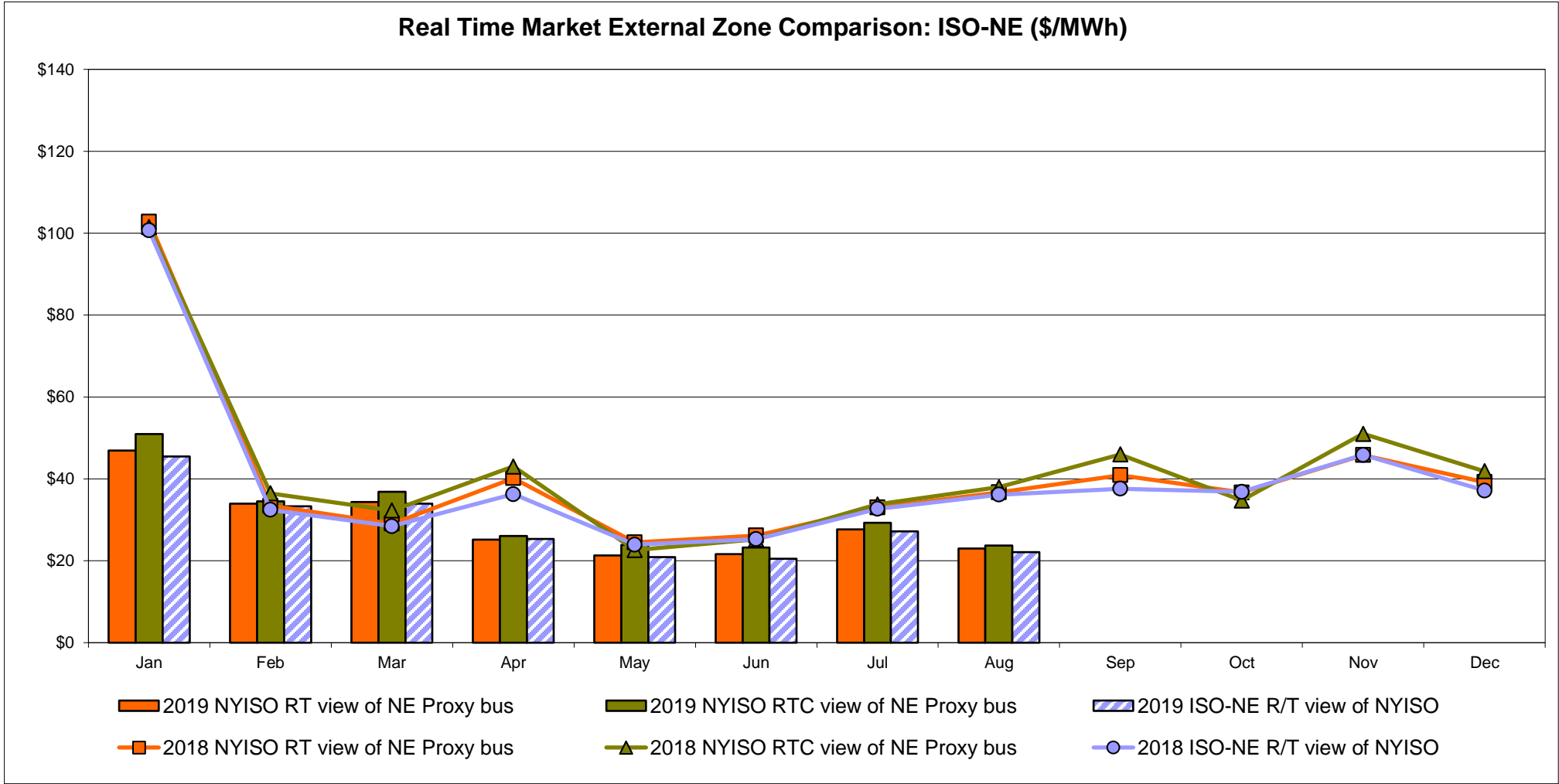
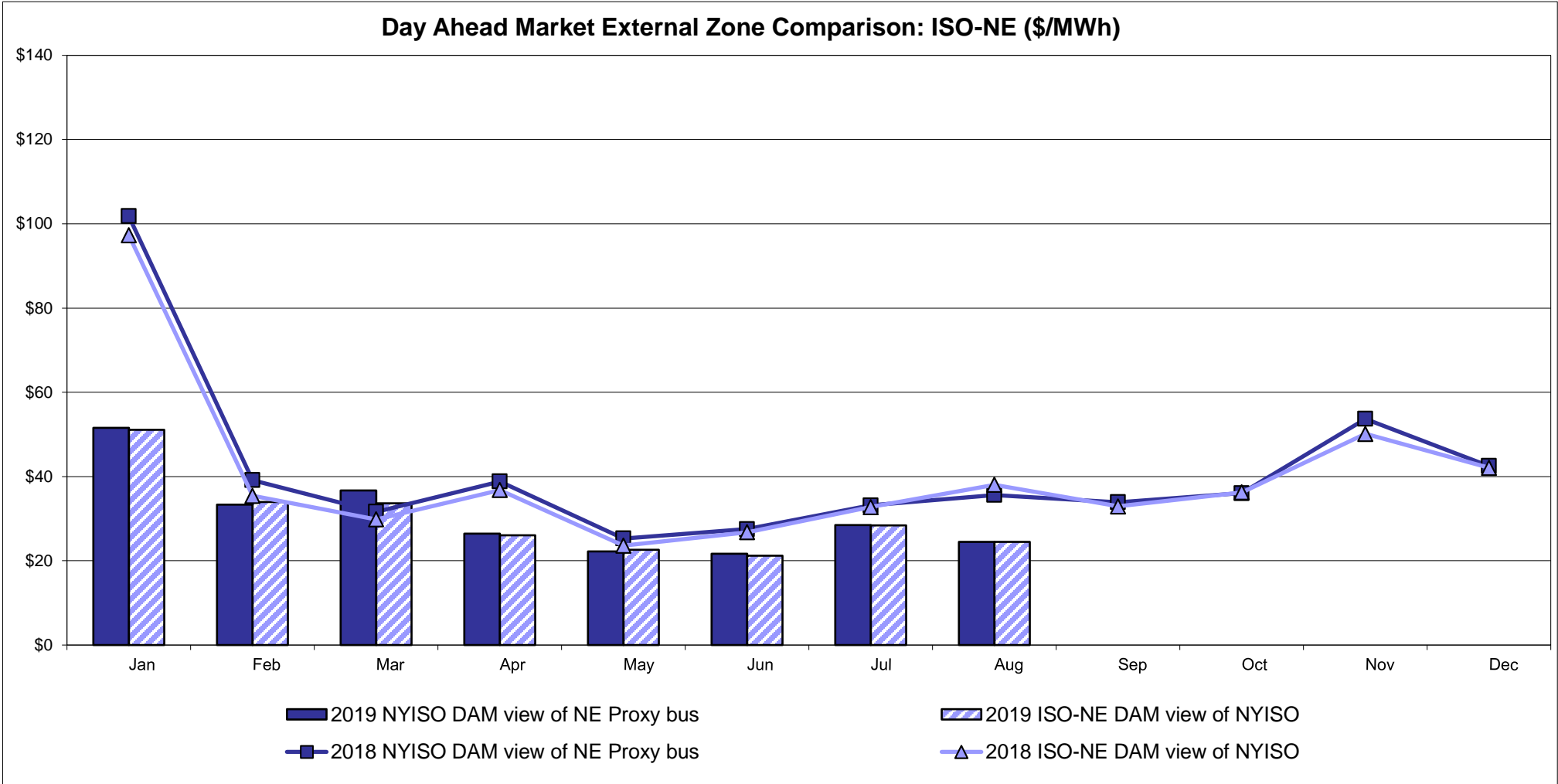


Long Island Zone K Monthly Average LBMP Prices 2018 - 2019



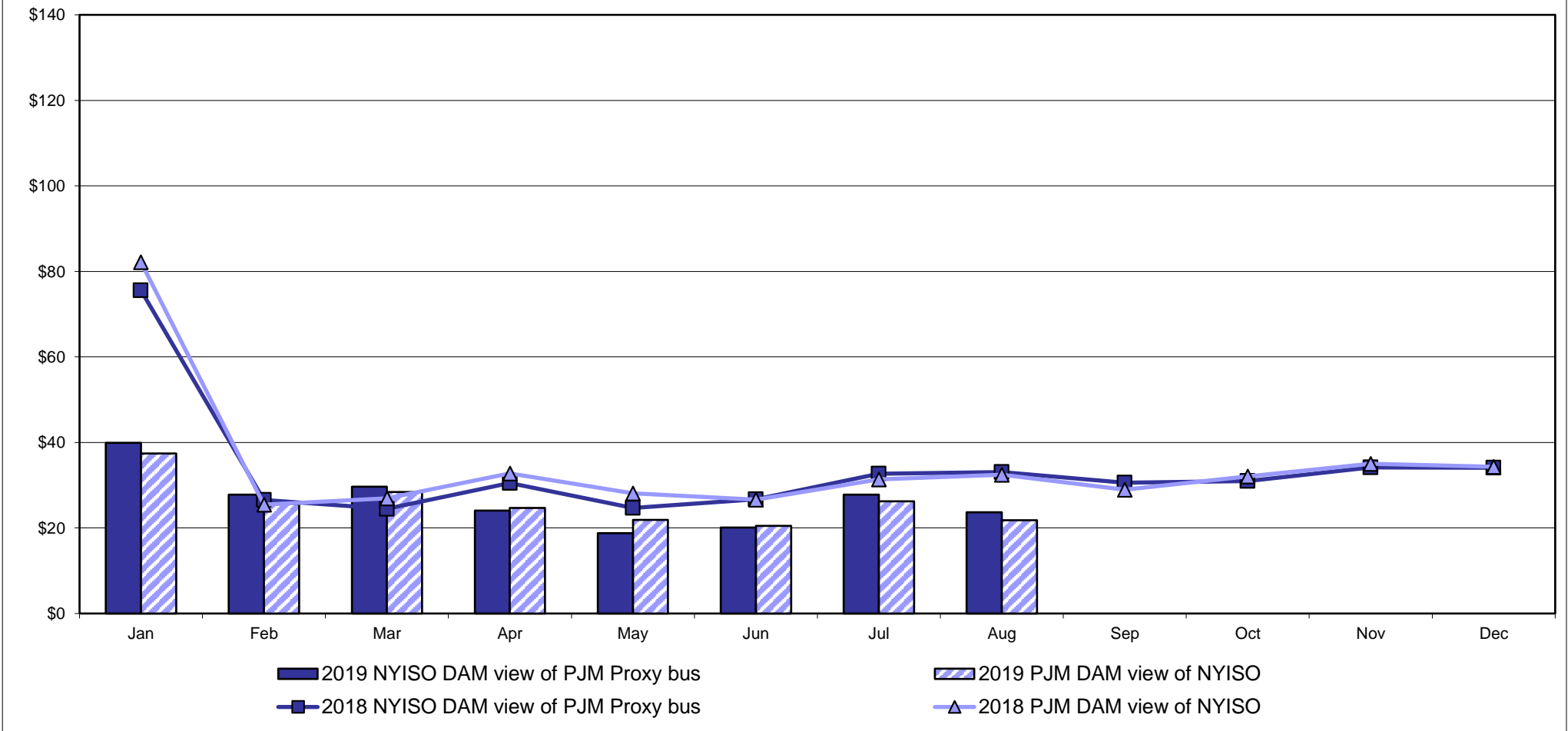


External Comparison ISO-New England

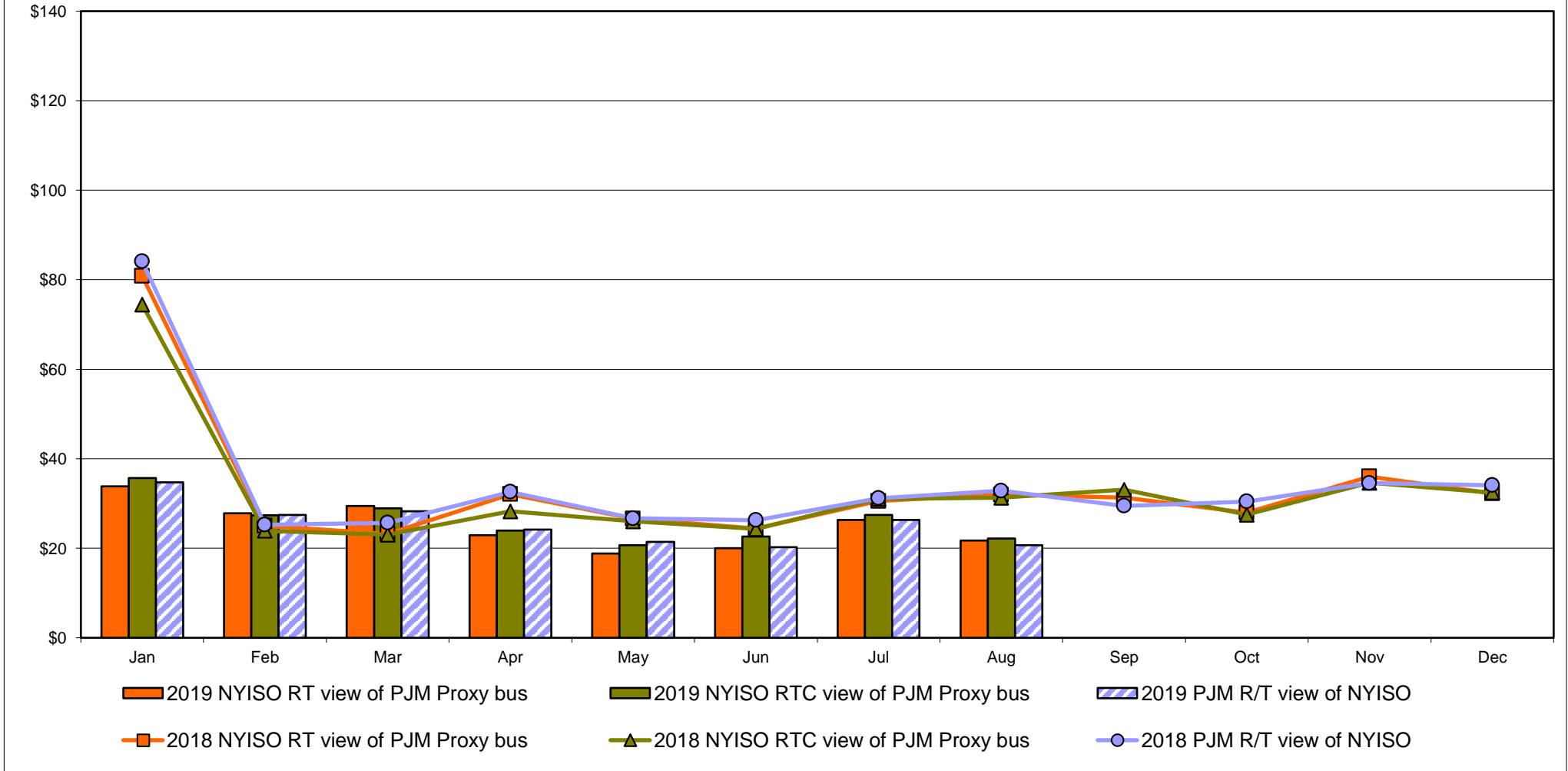


External Comparison PJM

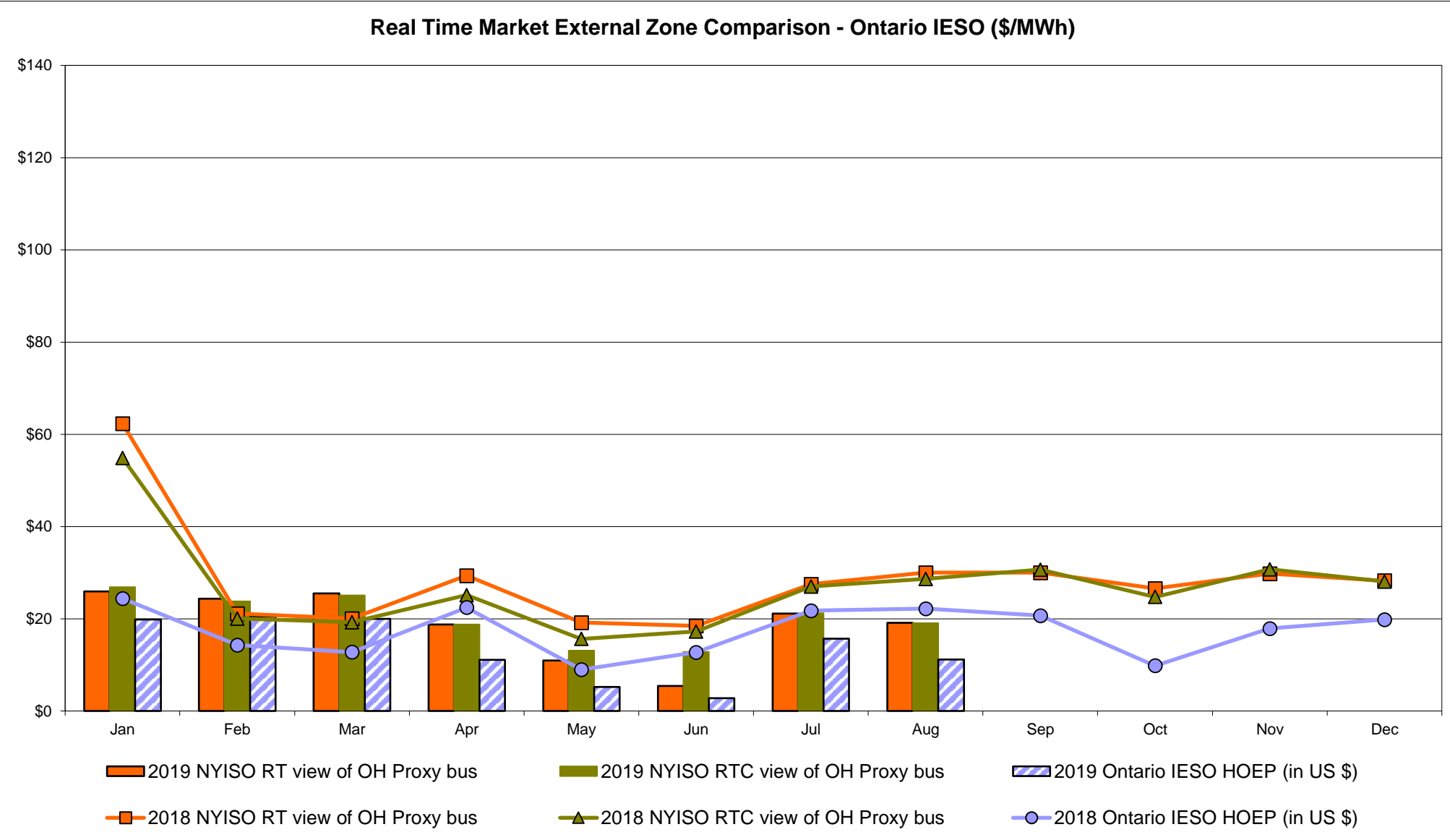
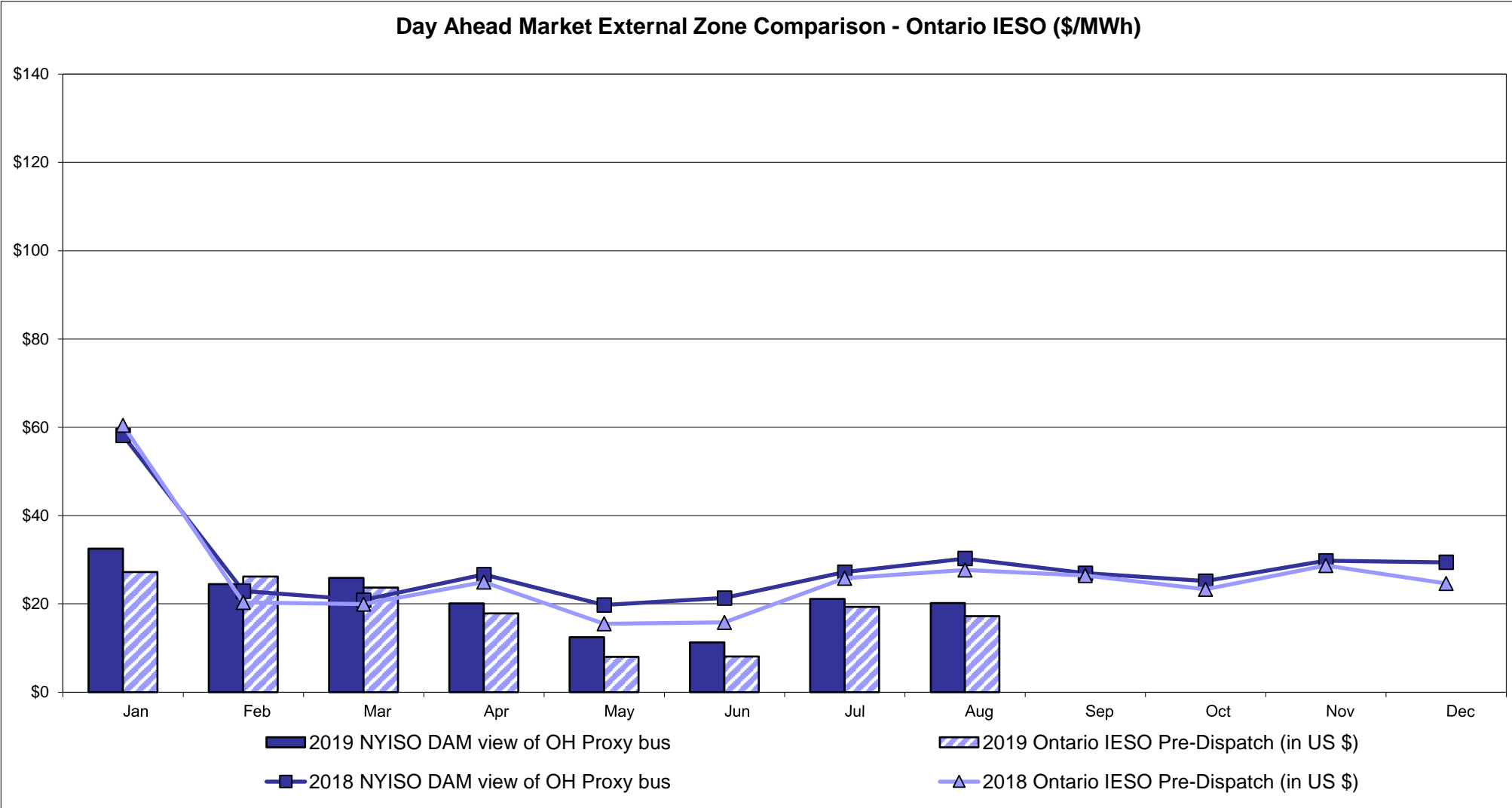
Day Ahead Market External Zone Comparison - PJM (\$/MWh)



Real Time Market External Zone Comparison - PJM (\$/MWh)



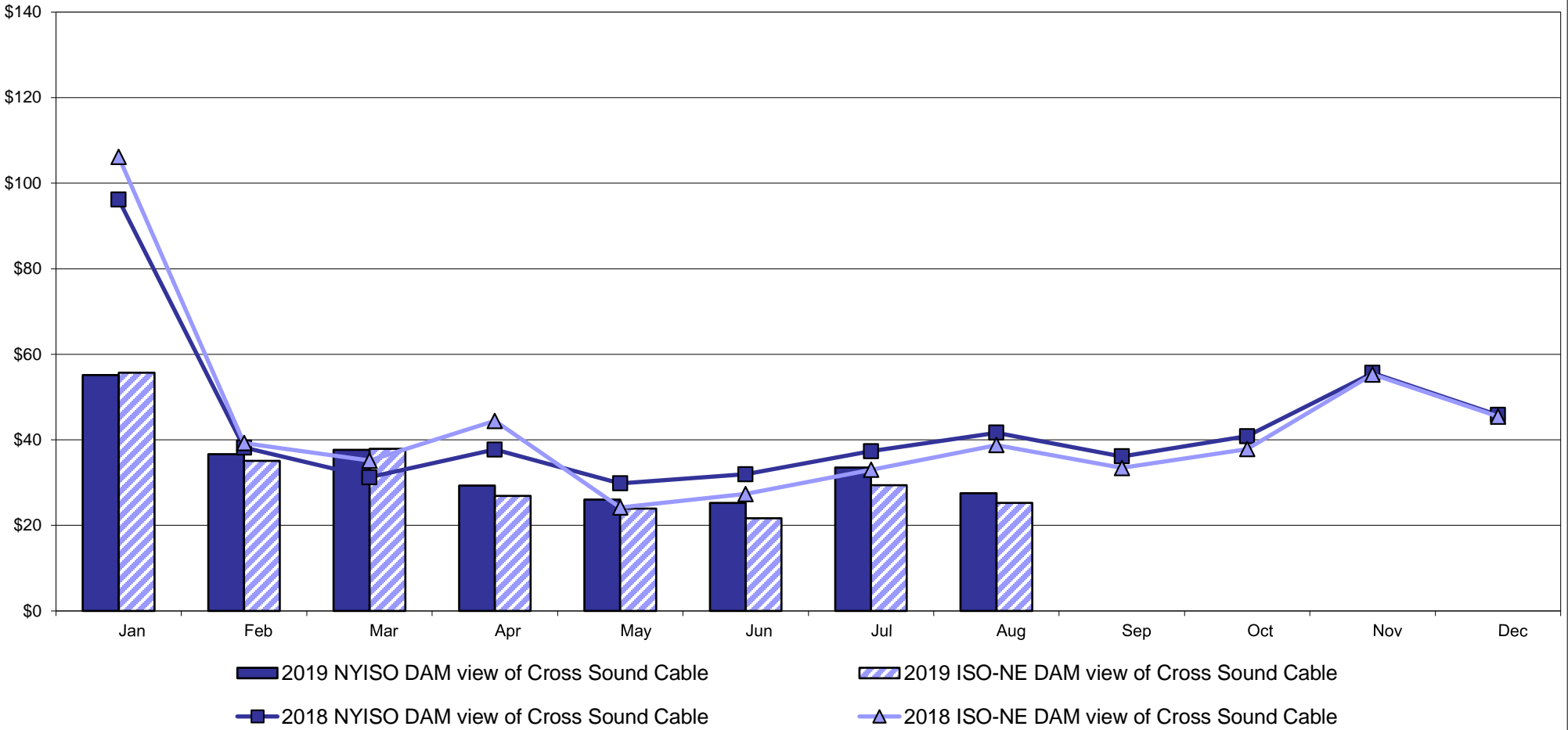
External Comparison Ontario IESO



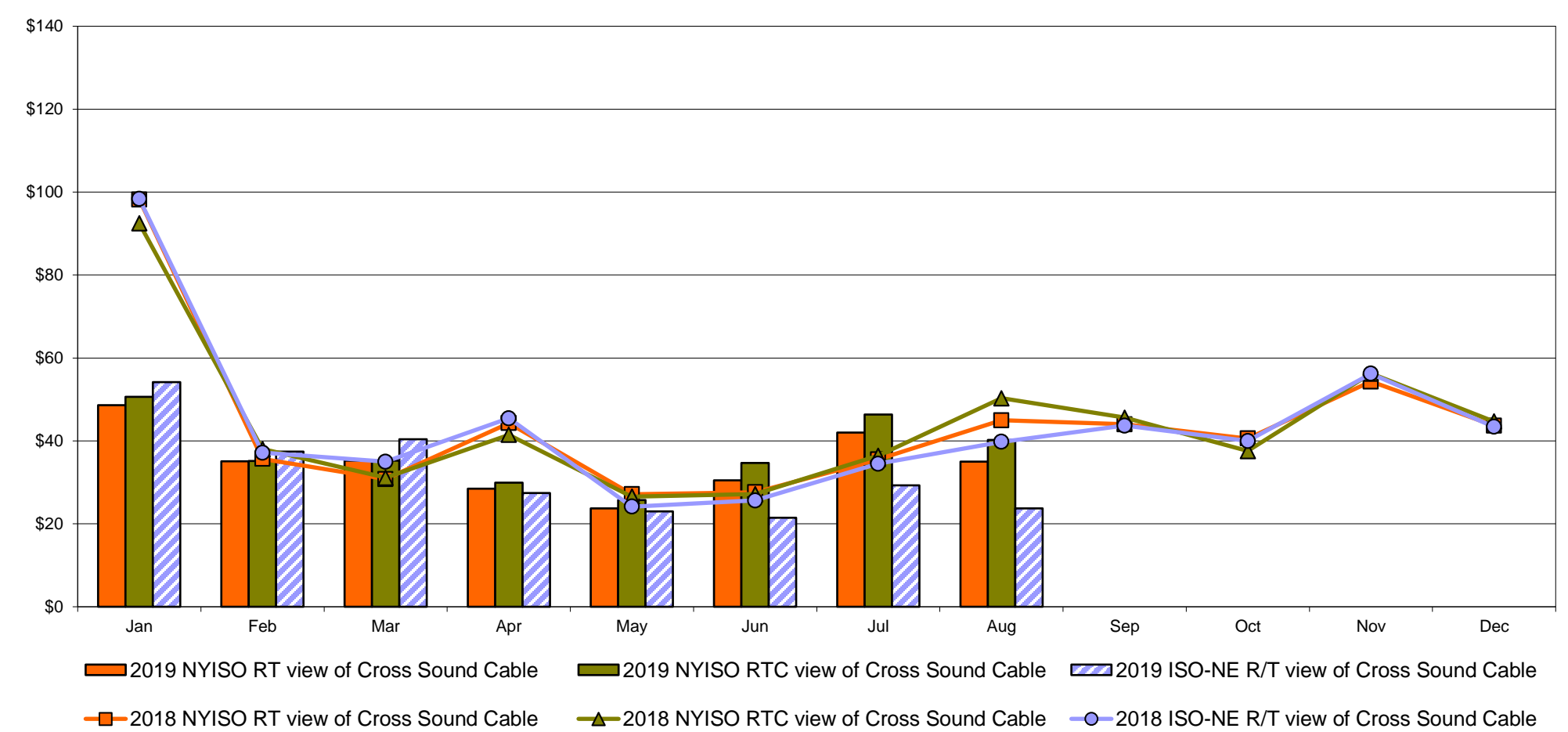
Notes: Exchange factor used for August 2019 was 0.75340917652377 to US
HOEP: Hourly Ontario Energy Price
Pre-Dispatch: Projected Energy Price

External Controllable Line: Cross Sound Cable (New England)

Day Ahead Market Comparison: Cross Sound Cable (\$/MWh)

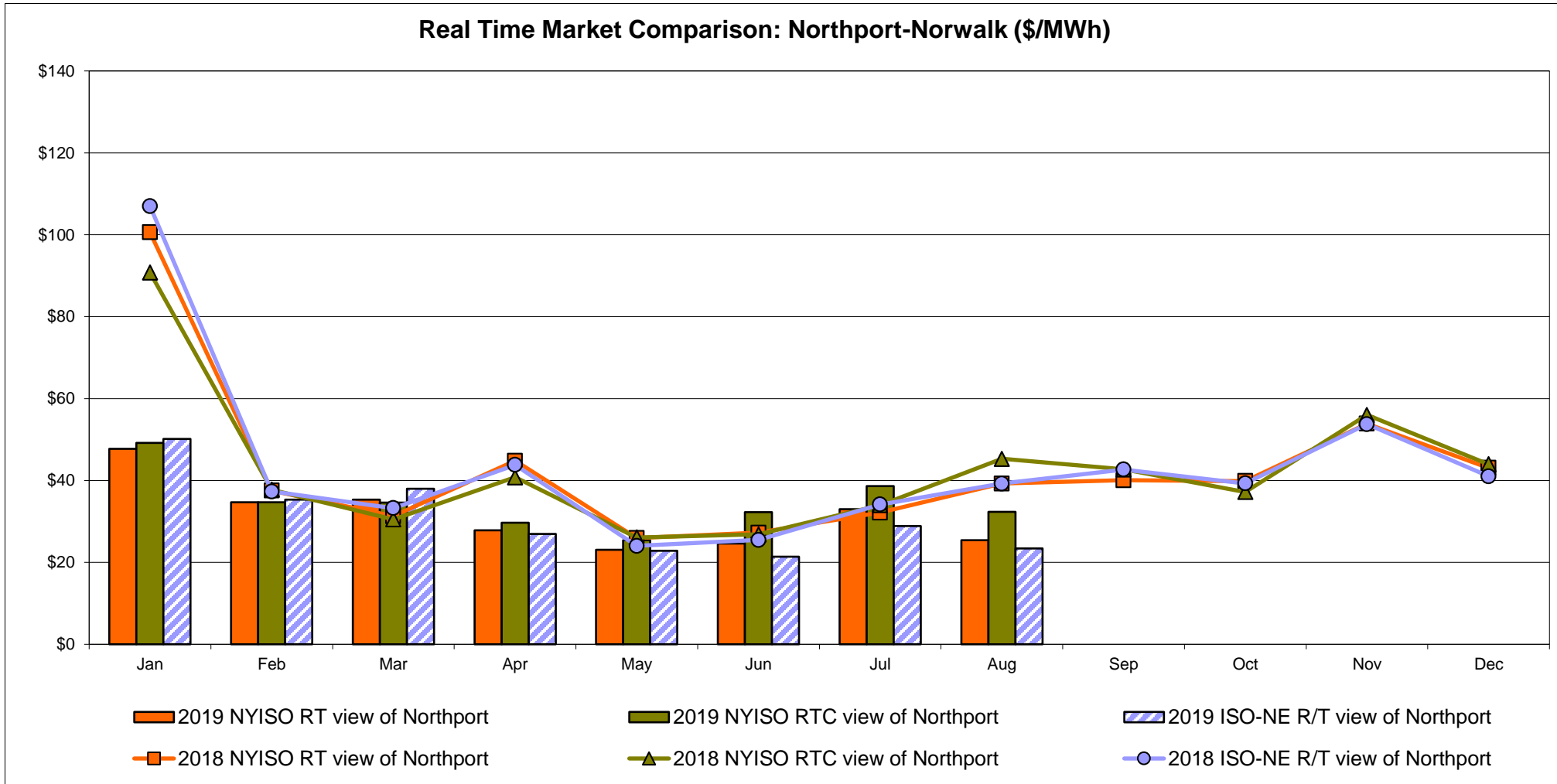
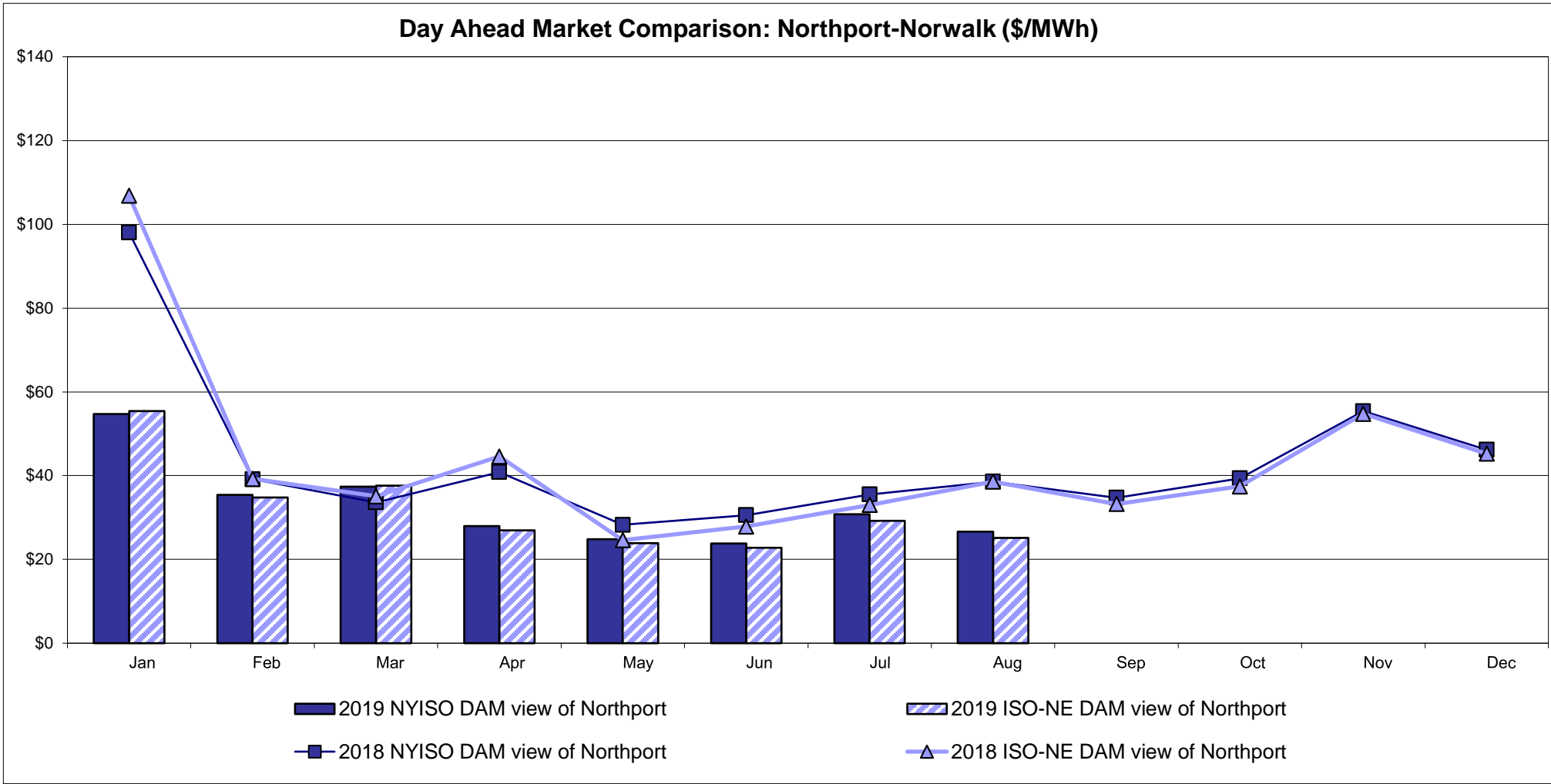


Real Time Market Comparison: Cross Sound Cable (\$/MWh)



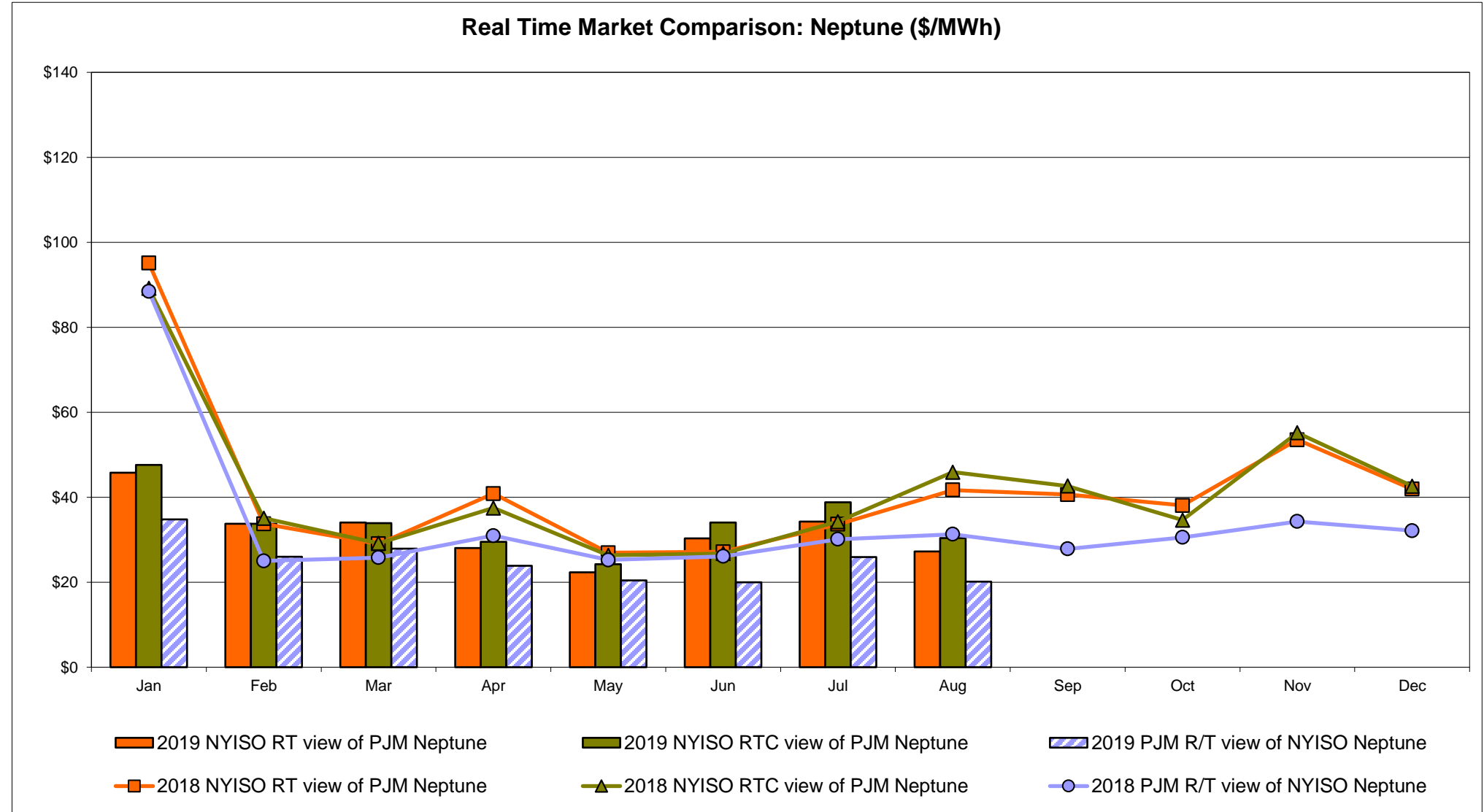
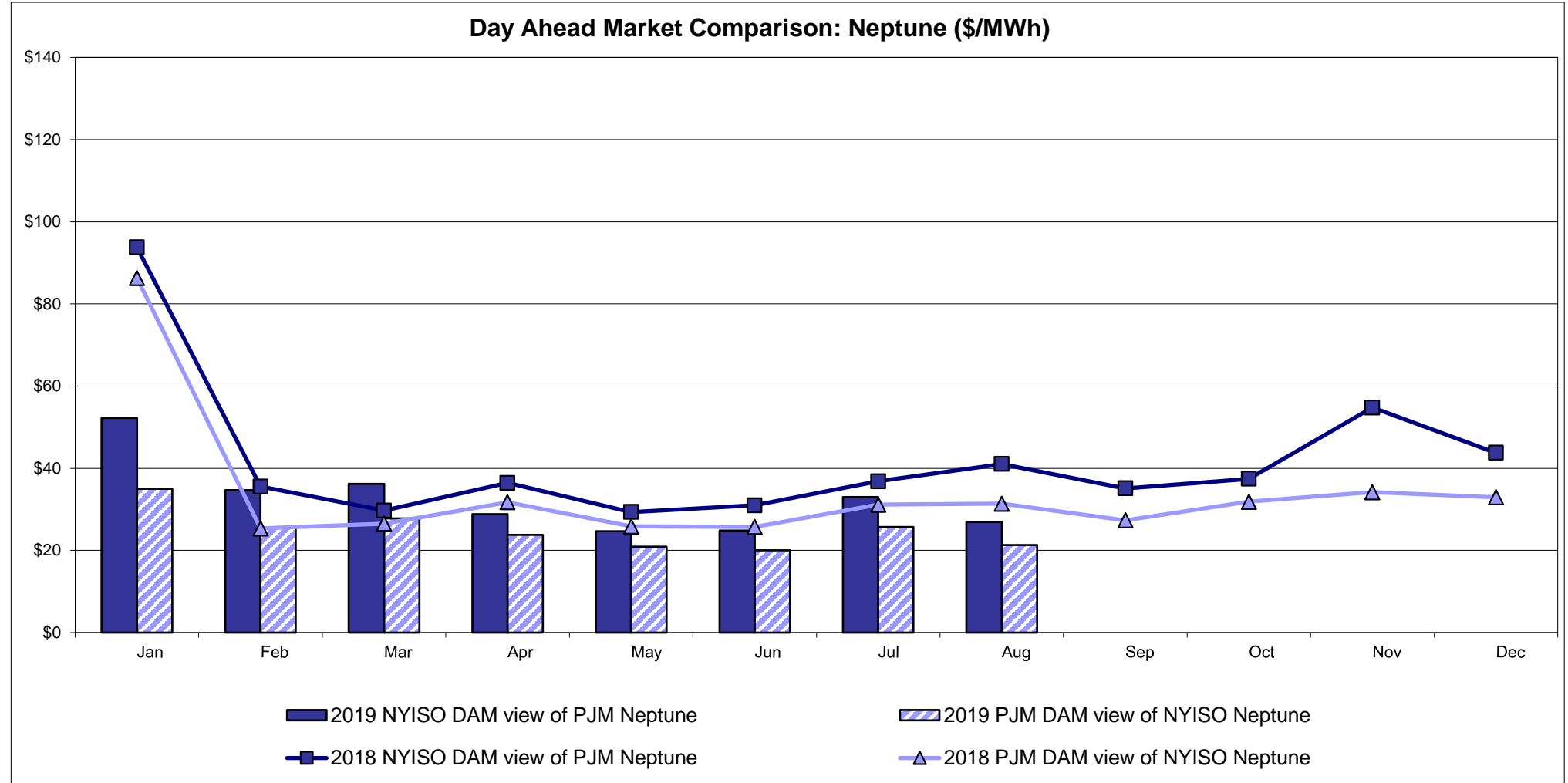
Note:
 ISO-NE Forecast is an advisory posting @ 18:00 day before.
 The DAM and R/T prices at the Shorham 13899 interface are used for ISO-NE.
 The DAM and R/T prices at the CSC interface are used for NYISO.

External Controllable Line: Northport - Norwalk (New England)

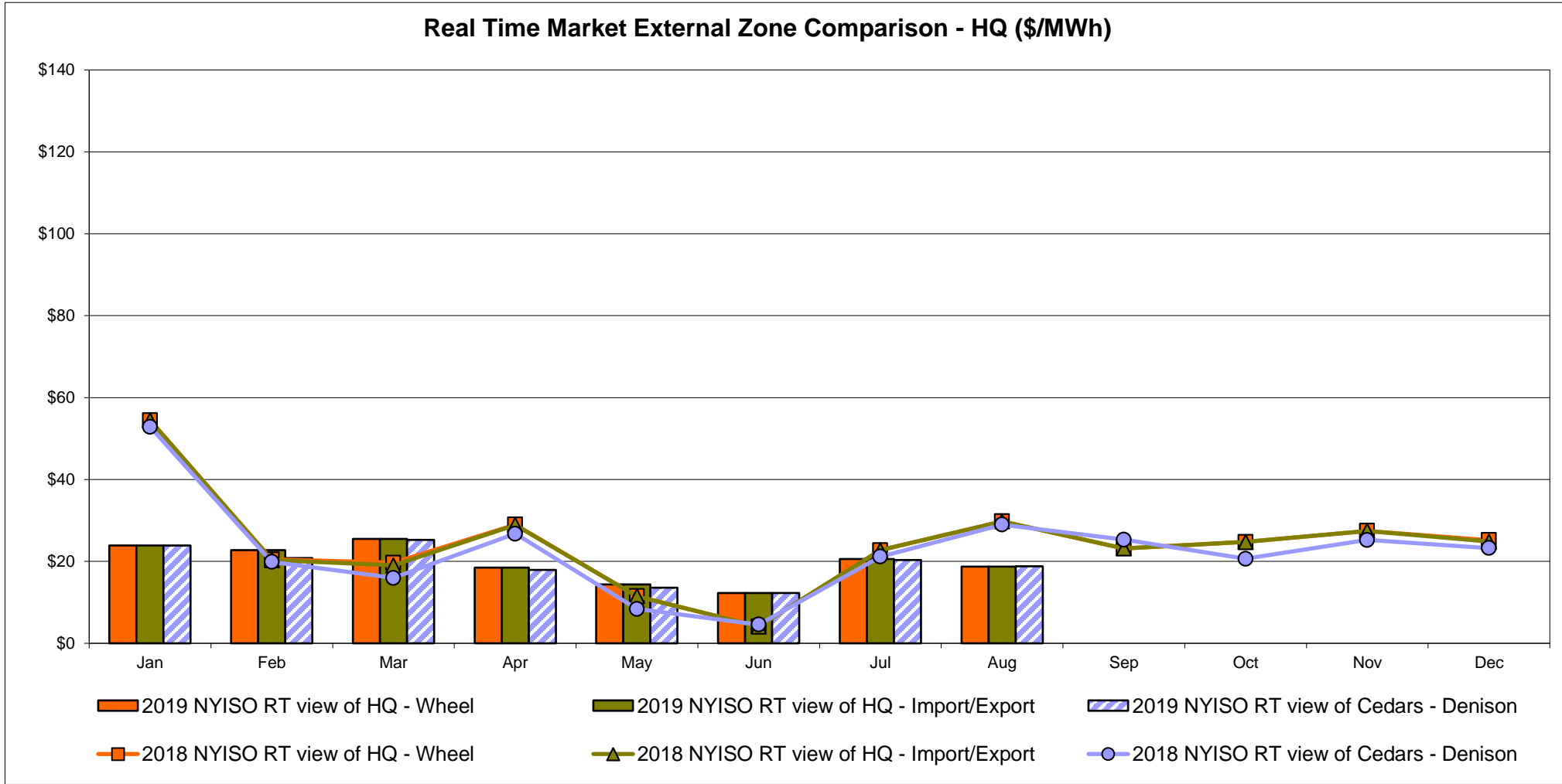
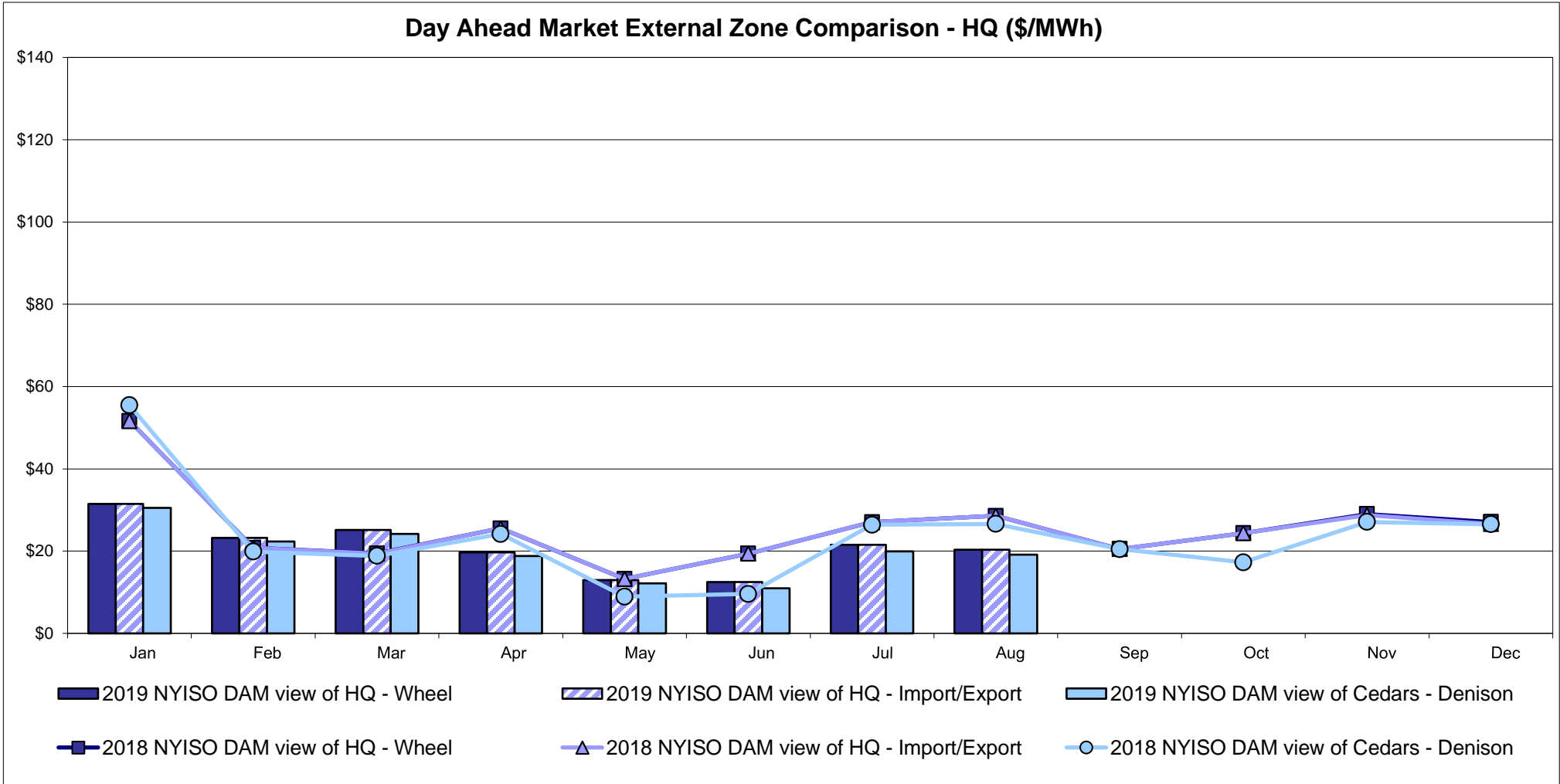


Note:
ISO-NE Forecast is an advisory posting @ 18:00 day before.
The DAM and R/T prices at the Northport 138 interface are used for ISO-NE.
The DAM and R/T prices at the 1385 interface are used for NYISO.

External Controllable Line: Neptune (PJM)

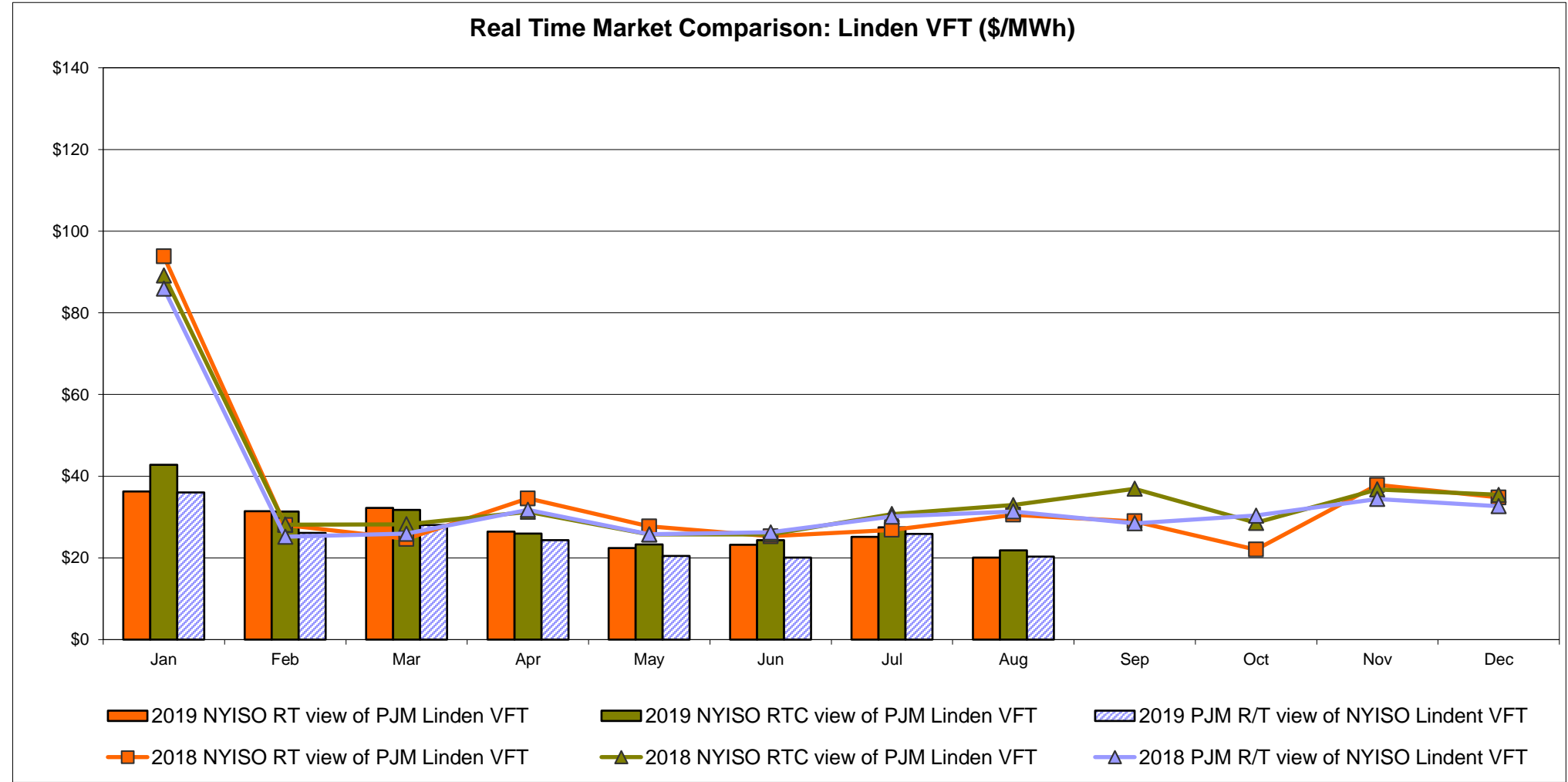
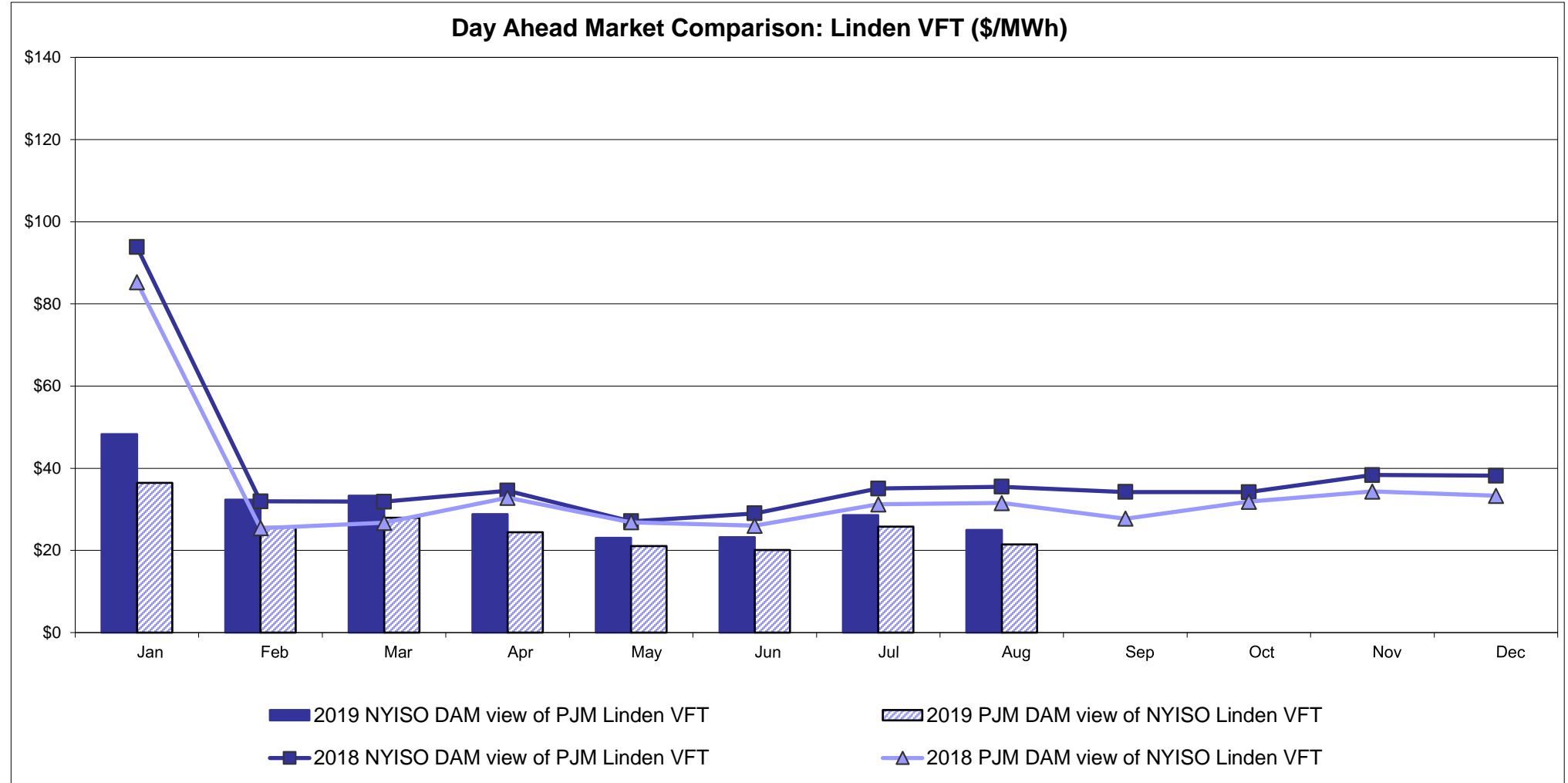


External Comparison Hydro-Quebec

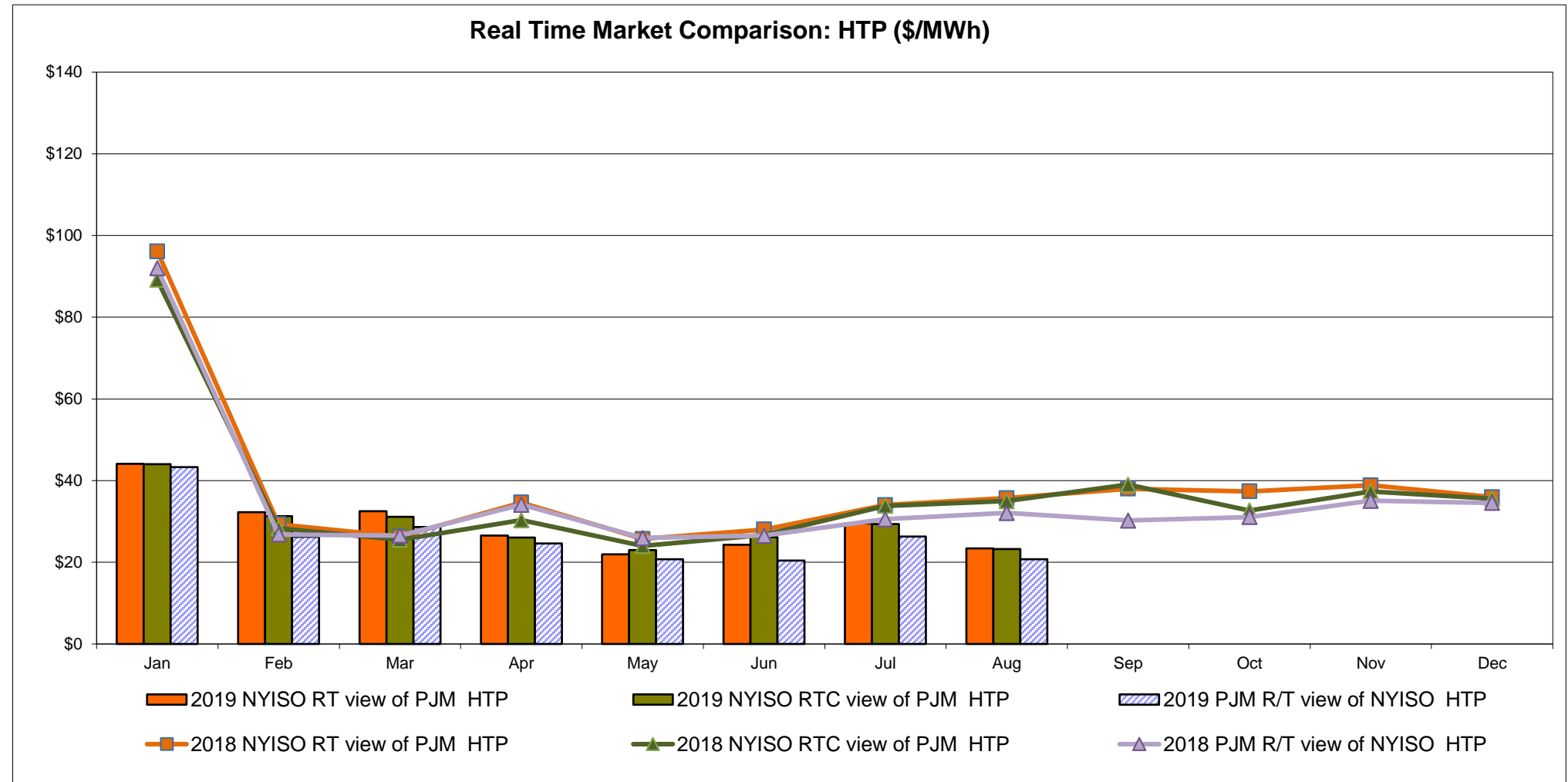
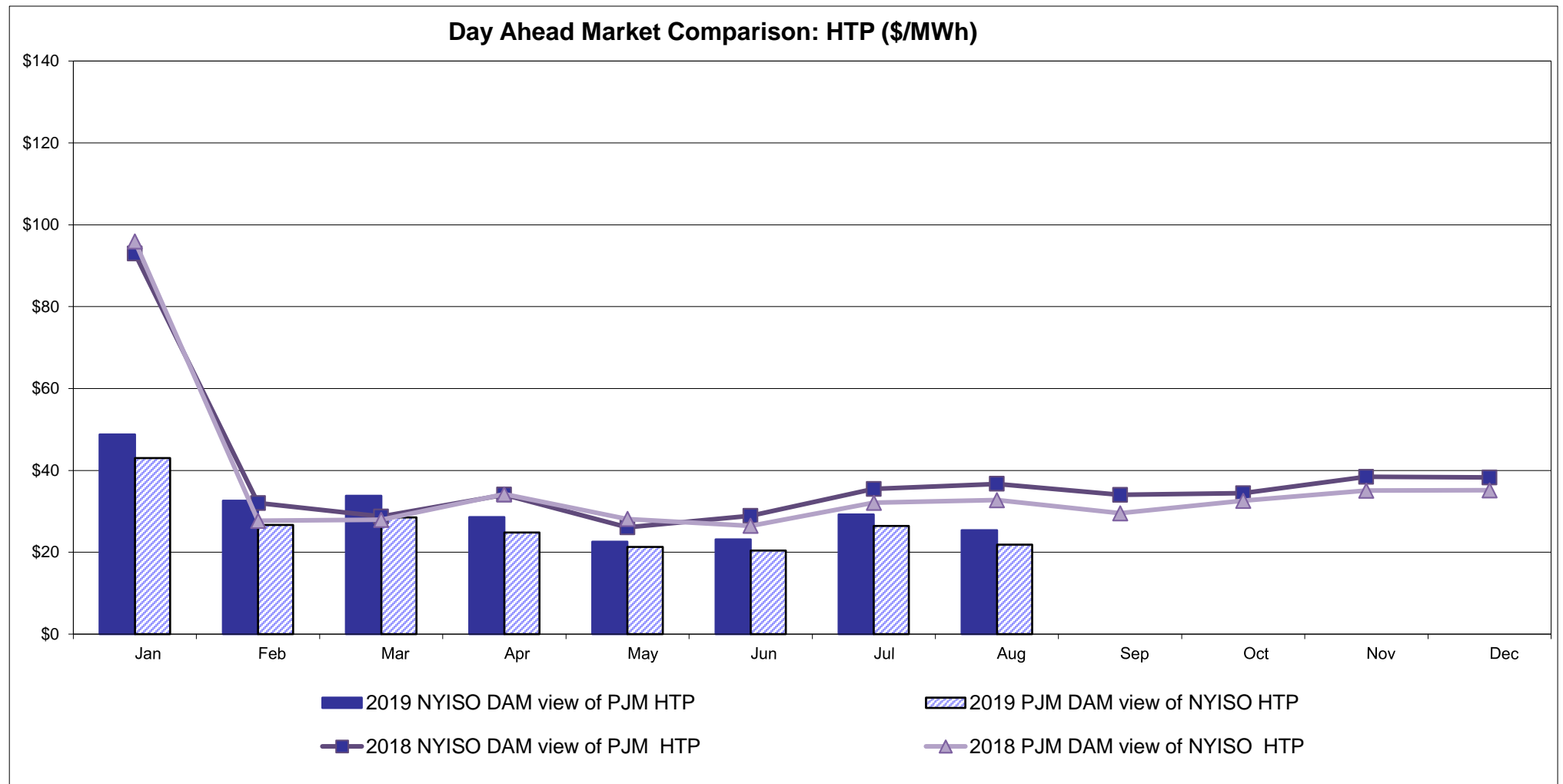


Note:
Hydro-Quebec Prices are unavailable.

External Controllable Line: Linden VFT (PJM)



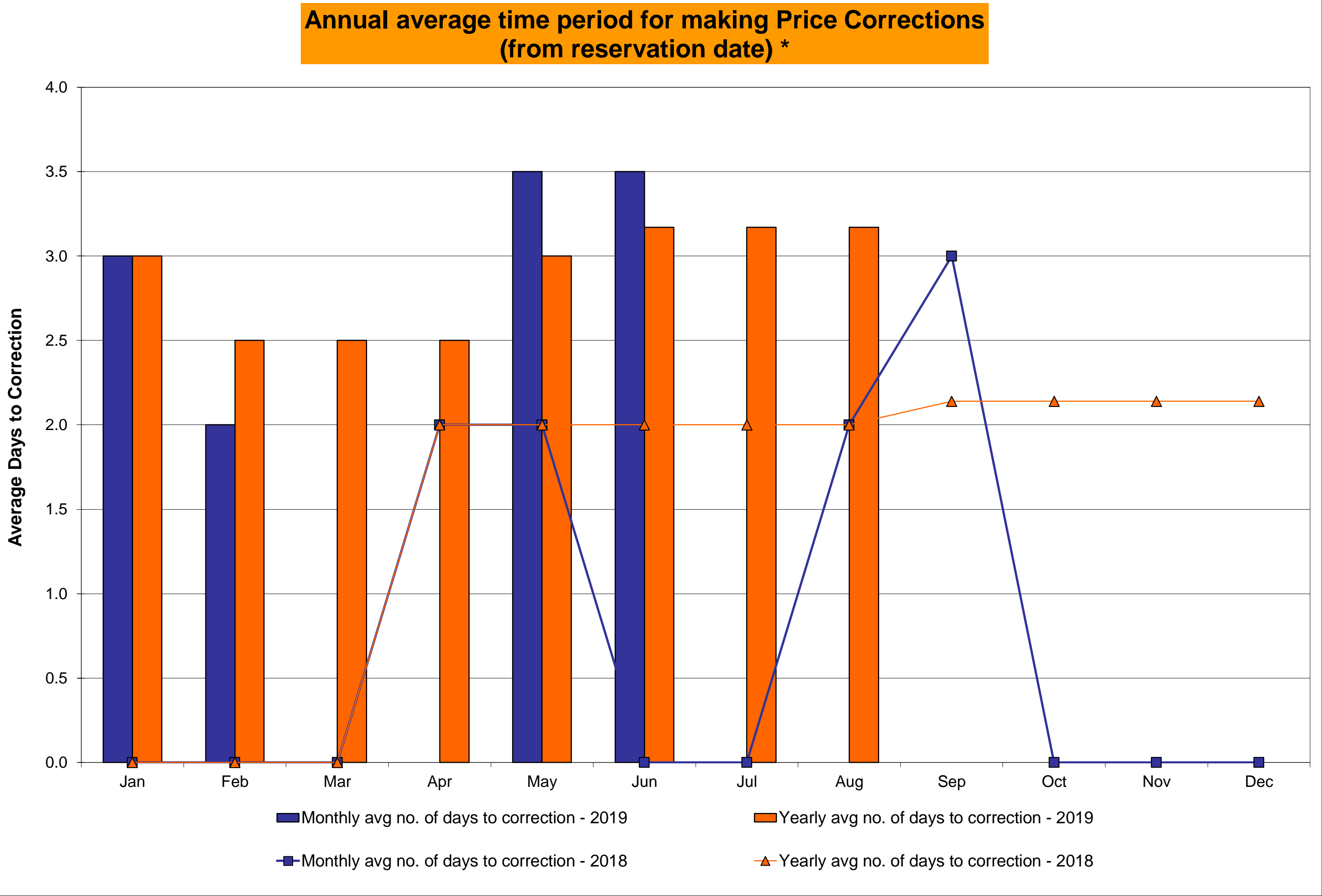
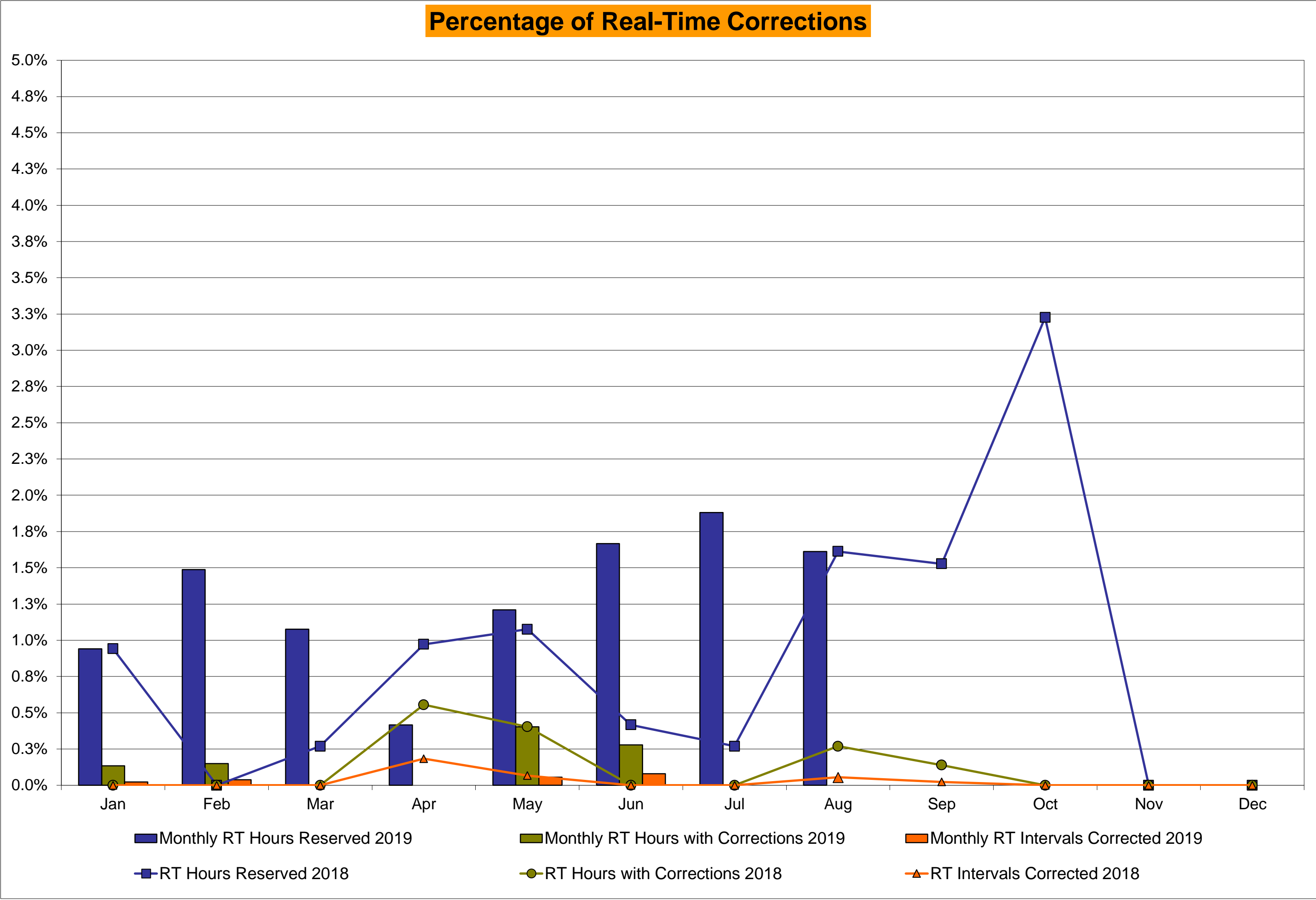
External Controllable Line: Hudson (PJM)



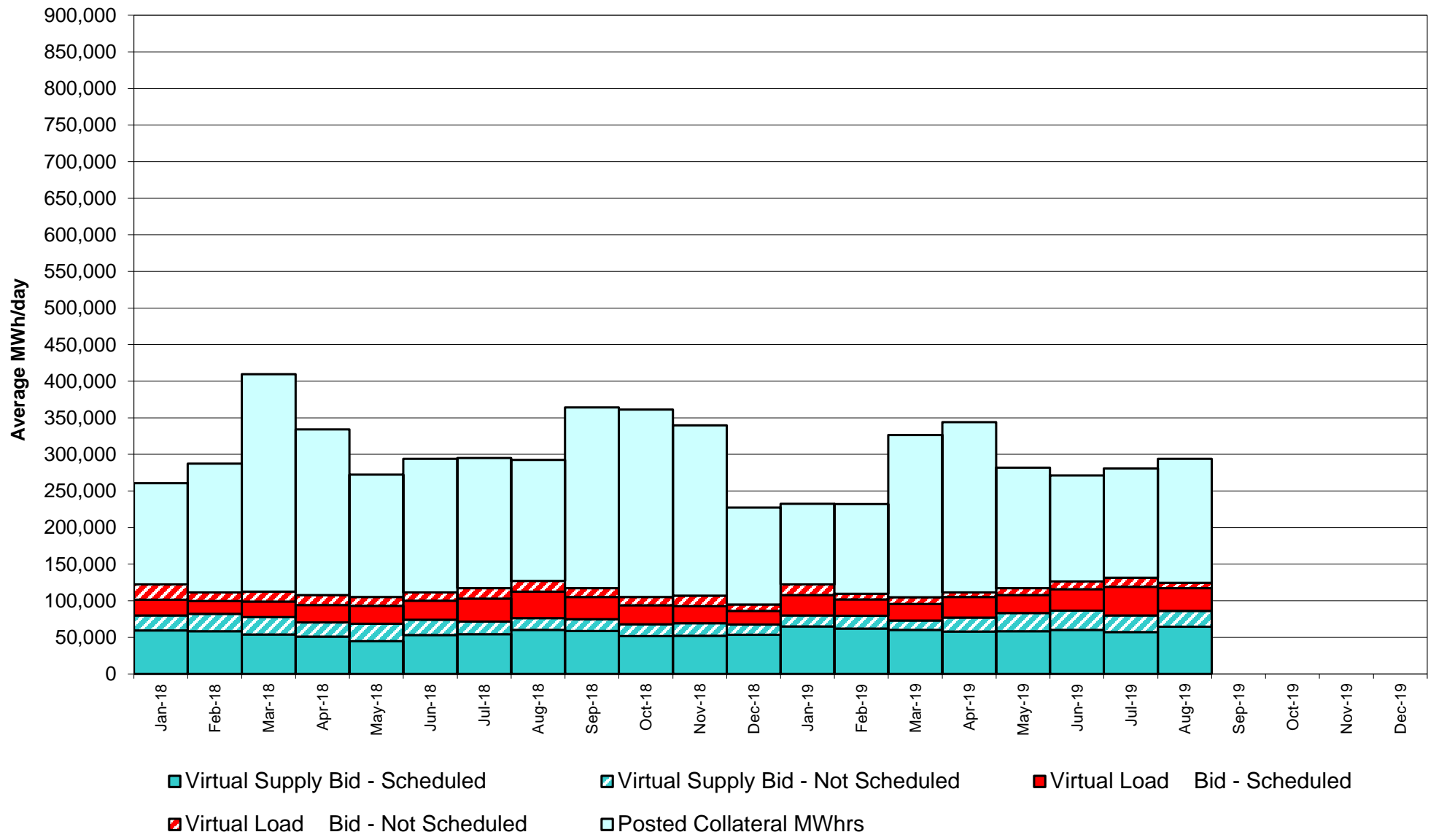
NYISO Real Time Price Correction Statistics

2019		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>Hour Corrections</u>													
Number of hours with corrections	in the month	1	1	0	0	3	2	0	0				
Number of hours	in the month	744	672	743	720	744	720	744	744				
% of hours with corrections	in the month	0.13%	0.15%	0.00%	0.00%	0.40%	0.28%	0.00%	0.00%				
% of hours with corrections	year-to-date	0.13%	0.14%	0.09%	0.07%	0.14%	0.16%	0.14%	0.12%				
<u>Interval Corrections</u>													
Number of intervals corrected	in the month	2	3	0	0	5	7	0	0				
Number of intervals	in the month	9,071	8,131	9,008	8,750	9,033	8,863	9,243	9,048				
% of intervals corrected	in the month	0.02%	0.04%	0.00%	0.00%	0.06%	0.08%	0.00%	0.00%				
% of intervals corrected	year-to-date	0.02%	0.03%	0.02%	0.01%	0.02%	0.03%	0.03%	0.02%				
<u>Hours Reserved</u>													
Number of hours reserved	in the month	7	10	8	3	9	12	14	12				
Number of hours	in the month	744	672	743	720	744	720	744	744				
% of hours reserved	in the month	0.94%	1.49%	1.08%	0.42%	1.21%	1.67%	1.88%	1.61%				
% of hours reserved	year-to-date	0.94%	1.20%	1.16%	0.97%	1.02%	1.13%	1.24%	1.29%				
<u>Days to Correction</u> *													
Avg. number of days to correction	in the month	3.00	2.00	0.00	0.00	3.50	3.50	0.00	0.00				
Avg. number of days to correction	year-to-date	3.00	2.50	2.50	2.50	3.00	3.17	3.17	3.17				
<u>Days Without Corrections</u>													
Days without corrections	in the month	30	27	31	30	29	28	31	31				
Days without corrections	year-to-date	30	57	88	118	147	175	206	237				
2018		<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>Hour Corrections</u>													
Number of hours with corrections	in the month	0	0	0	4	3	0	0	2	1	0	0	0
Number of hours	in the month	744	672	743	720	744	720	744	744	720	744	721	744
% of hours with corrections	in the month	0.00%	0.00%	0.00%	0.56%	0.40%	0.00%	0.00%	0.27%	0.14%	0.00%	0.00%	0.00%
% of hours with corrections	year-to-date	0.00%	0.00%	0.00%	0.14%	0.19%	0.16%	0.14%	0.15%	0.15%	0.14%	0.12%	0.11%
<u>Interval Corrections</u>													
Number of intervals corrected	in the month	0	0	0	16	6	0	0	5	2	0	0	0
Number of intervals	in the month	9,021	8,112	9,002	8,717	9,033	8,723	9,021	9,071	8,723	8,990	8,763	8,993
% of intervals corrected	in the month	0.00%	0.00%	0.00%	0.18%	0.07%	0.00%	0.00%	0.06%	0.02%	0.00%	0.00%	0.00%
% of intervals corrected	year-to-date	0.00%	0.00%	0.00%	0.05%	0.05%	0.04%	0.04%	0.04%	0.04%	0.03%	0.03%	0.03%
<u>Hours Reserved</u>													
Number of hours reserved	in the month	7	0	2	7	8	3	2	12	11	24	0	0
Number of hours	in the month	744	672	743	720	744	720	744	744	720	744	721	744
% of hours reserved	in the month	0.94%	0.00%	0.27%	0.97%	1.08%	0.42%	0.27%	1.61%	1.53%	3.23%	0.00%	0.00%
% of hours reserved	year-to-date	0.94%	0.49%	0.42%	0.56%	0.66%	0.62%	0.57%	0.70%	0.79%	1.04%	0.95%	0.87%
<u>Days to Correction</u> *													
Avg. number of days to correction	in the month	0.00	0.00	0.00	2.00	2.00	0.00	0.00	2.00	3.00	0.00	0.00	0.00
Avg. number of days to correction	year-to-date	0.00	0.00	0.00	2.00	2.00	2.00	2.00	2.00	2.14	2.14	2.14	2.14
<u>Days Without Corrections</u>													
Days without corrections	in the month	31	28	31	28	28	30	31	30	29	31	30	31
Days without corrections	year-to-date	31	59	90	118	146	176	207	237	266	297	327	358

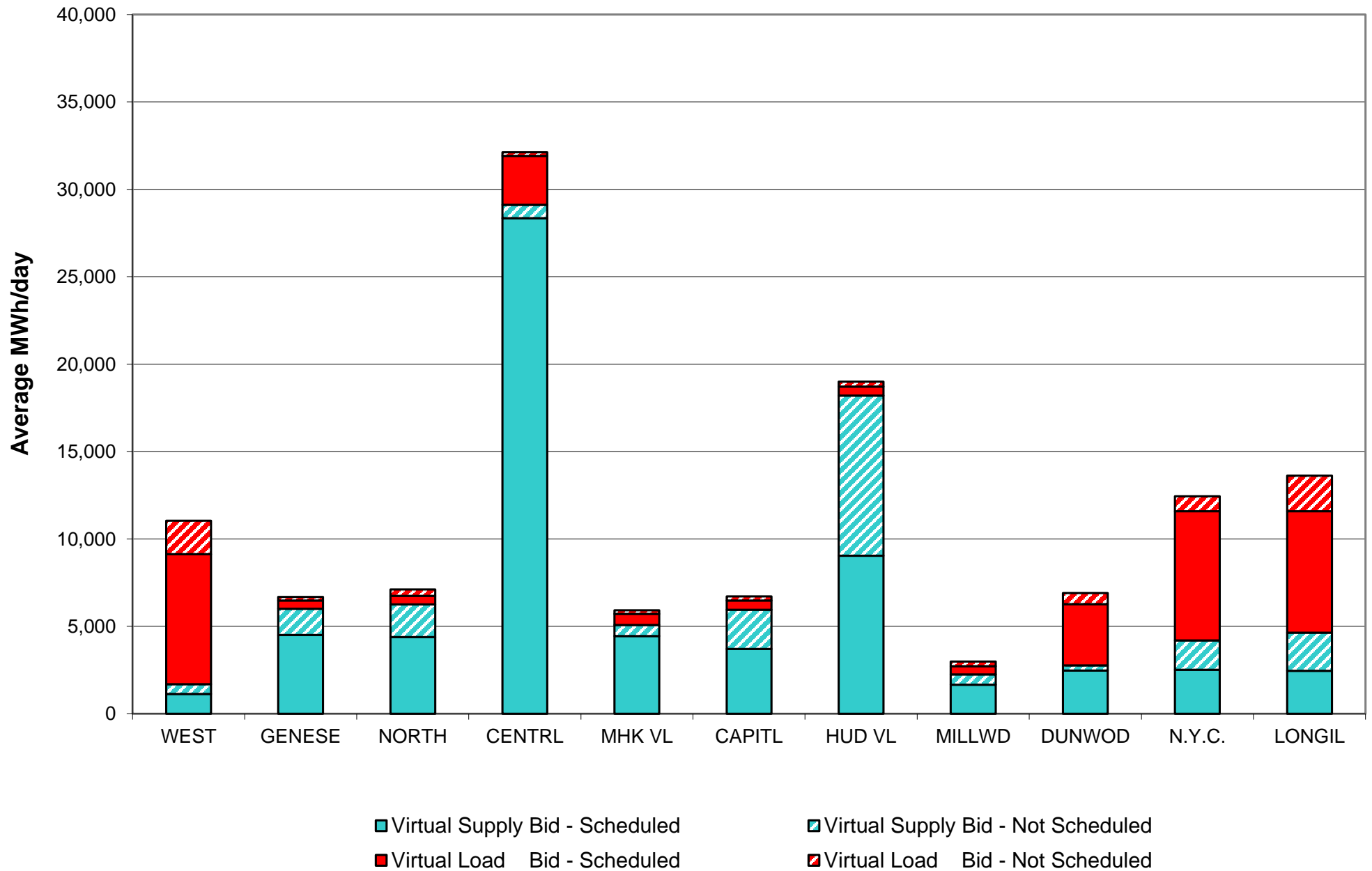
*Calendar days from reservation date; for June 2018 forward, business days from market date



NYISO Virtual Trading Average MWh per day



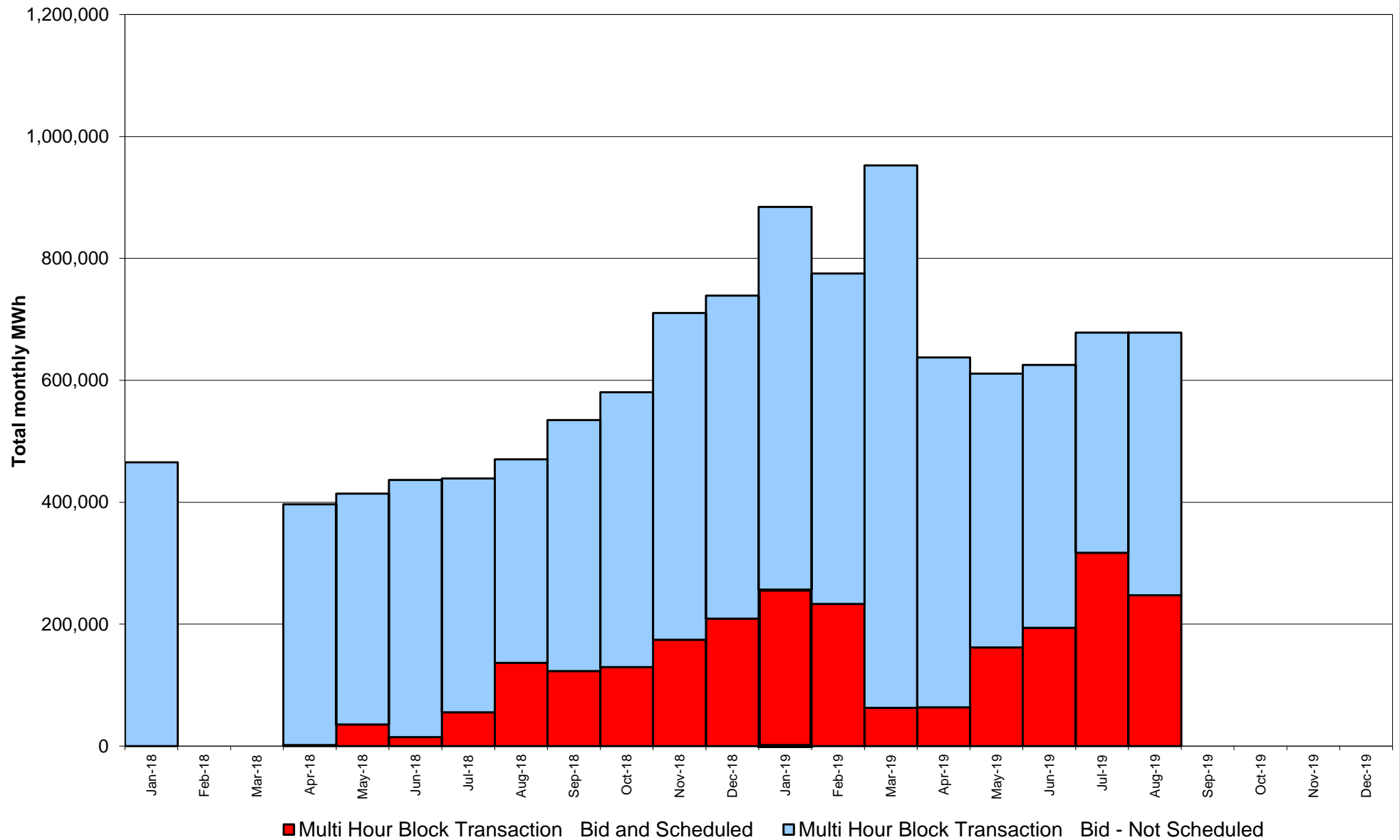
Virtual Load and Supply Zonal Statistics through August 31, 2019



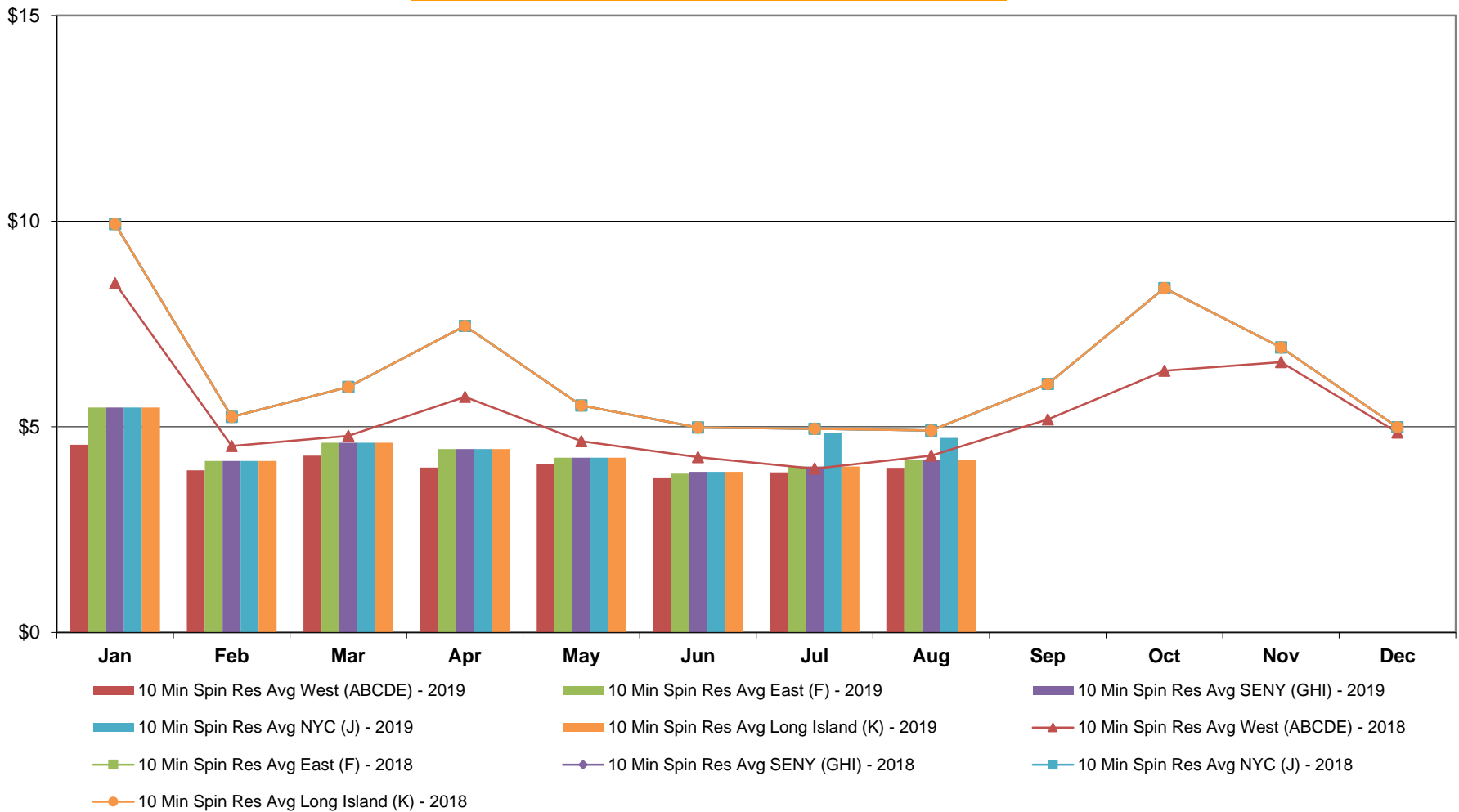
Virtual Load and Supply Zonal Statistics (Average MWh/day) - 2019

		Virtual Load Bid		Virtual Supply Bid						Virtual Load Bid		Virtual Supply Bid						Virtual Load Bid		Virtual Supply Bid	
Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled		Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled		Zone	Date	Scheduled	Not Scheduled	Scheduled	Not Scheduled		
WEST	Jan-19	9,007	5,211	1,609	797		MHK VL	Jan-19	1,171	117	1,965	471		DUNWOD	Jan-19	1,370	798	2,651	203		
	Feb-19	6,628	2,000	1,397	921			Feb-19	872	75	1,709	596			Feb-19	1,064	494	3,273	259		
	Mar-19	5,264	2,548	1,107	569			Mar-19	1,275	113	2,208	386			Mar-19	1,159	471	3,571	199		
	Apr-19	9,744	2,589	721	461			Apr-19	843	43	1,904	331			Apr-19	1,446	125	3,278	228		
	May-19	7,022	5,165	818	783			May-19	527	32	2,337	489			May-19	1,459	153	2,999	255		
	Jun-19	8,695	6,210	1,183	1,106			Jun-19	577	98	1,731	582			Jun-19	3,157	426	2,365	290		
	Jul-19	9,264	5,278	1,201	856			Jul-19	775	142	3,111	336			Jul-19	4,623	673	1,967	276		
	Aug-19	7,441	1,910	1,129	562			Aug-19	629	209	4,439	643			Aug-19	3,509	624	2,470	295		
	Sep-19							Sep-19							Sep-19						
	Oct-19							Oct-19							Oct-19						
	Nov-19							Nov-19							Nov-19						
	Dec-19							Dec-19							Dec-19						
GENESE	Jan-19	527	153	3,560	529		CAPITL	Jan-19	3,042	962	1,550	1,424		N.Y.C.	Jan-19	3,665	3,061	2,599	1,366		
	Feb-19	896	66	3,776	520			Feb-19	2,591	485	1,851	1,756			Feb-19	2,545	2,025	2,248	1,648		
	Mar-19	987	241	3,224	432			Mar-19	2,012	383	2,004	1,666			Mar-19	3,746	1,774	2,432	968		
	Apr-19	808	83	4,479	475			Apr-19	1,585	232	2,102	1,111			Apr-19	3,431	656	2,869	4,012		
	May-19	343	171	2,680	1,446			May-19	1,438	362	3,006	2,580			May-19	4,207	977	3,304	4,320		
	Jun-19	407	146	4,498	2,552			Jun-19	741	206	3,393	4,222			Jun-19	5,271	930	2,404	1,778		
	Jul-19	503	215	2,807	1,125			Jul-19	802	243	3,884	3,155			Jul-19	10,542	1,697	1,247	1,418		
	Aug-19	469	204	4,508	1,496			Aug-19	531	232	3,710	2,237			Aug-19	7,395	852	2,521	1,675		
	Sep-19							Sep-19							Sep-19						
	Oct-19							Oct-19							Oct-19						
	Nov-19							Nov-19							Nov-19						
	Dec-19							Dec-19							Dec-19						
NORTH	Jan-19	484	540	6,406	1,553		HUD VL	Jan-19	856	980	9,176	7,130		LONGIL	Jan-19	3,362	2,135	3,091	1,056		
	Feb-19	431	359	6,559	1,743			Feb-19	977	843	7,408	7,858			Feb-19	2,514	1,297	3,446	1,425		
	Mar-19	349	419	6,855	1,845			Mar-19	1,460	1,425	8,787	4,948			Mar-19	2,752	1,198	3,372	1,025		
	Apr-19	284	186	7,243	1,823			Apr-19	1,011	487	7,962	8,845			Apr-19	4,934	1,386	3,096	697		
	May-19	498	446	4,995	2,954			May-19	1,064	457	6,634	9,871			May-19	3,869	1,430	3,396	1,359		
	Jun-19	481	256	4,364	2,986			Jun-19	658	249	8,949	9,323			Jun-19	5,177	1,639	2,391	2,303		
	Jul-19	553	311	4,460	1,978			Jul-19	795	392	7,632	10,915			Jul-19	6,906	3,006	1,739	1,662		
	Aug-19	489	374	4,387	1,866			Aug-19	503	281	9,041	9,166			Aug-19	6,950	2,028	2,454	2,183		
	Sep-19							Sep-19							Sep-19						
	Oct-19							Oct-19							Oct-19						
	Nov-19							Nov-19							Nov-19						
	Dec-19							Dec-19							Dec-19						
CENTRL	Jan-19	3,795	374	30,145	507		MILLWD	Jan-19	405	386	2,051	169		NYISO	Jan-19	27,683	14,720	64,802	15,203		
	Feb-19	3,059	123	29,111	609			Feb-19	540	138	1,311	247			Feb-19	22,118	7,905	62,089	17,582		
	Mar-19	3,411	332	25,195	542			Mar-19	505	89	1,404	155			Mar-19	22,918	8,993	60,159	12,736		
	Apr-19	3,475	150	22,748	453			Apr-19	686	215	1,636	371			Apr-19	28,247	6,153	58,038	18,807		
	May-19	3,220	195	26,474	474			May-19	613	226	1,687	505			May-19	24,261	9,615	58,331	25,035		
	Jun-19	3,635	241	26,799	832			Jun-19	495	182	1,940	506			Jun-19	29,295	10,583	60,017	26,481		
	Jul-19	3,307	209	27,998	642			Jul-19	780	452	1,156	470			Jul-19	38,851	12,618	57,203	22,833		
	Aug-19	2,794	208	28,343	772			Aug-19	464	269	1,657	595			Aug-19	31,173	7,192	64,660	21,491		
	Sep-19							Sep-19							Sep-19						
	Oct-19							Oct-19							Oct-19						
	Nov-19							Nov-19							Nov-19						
	Dec-19							Dec-19							Dec-19						

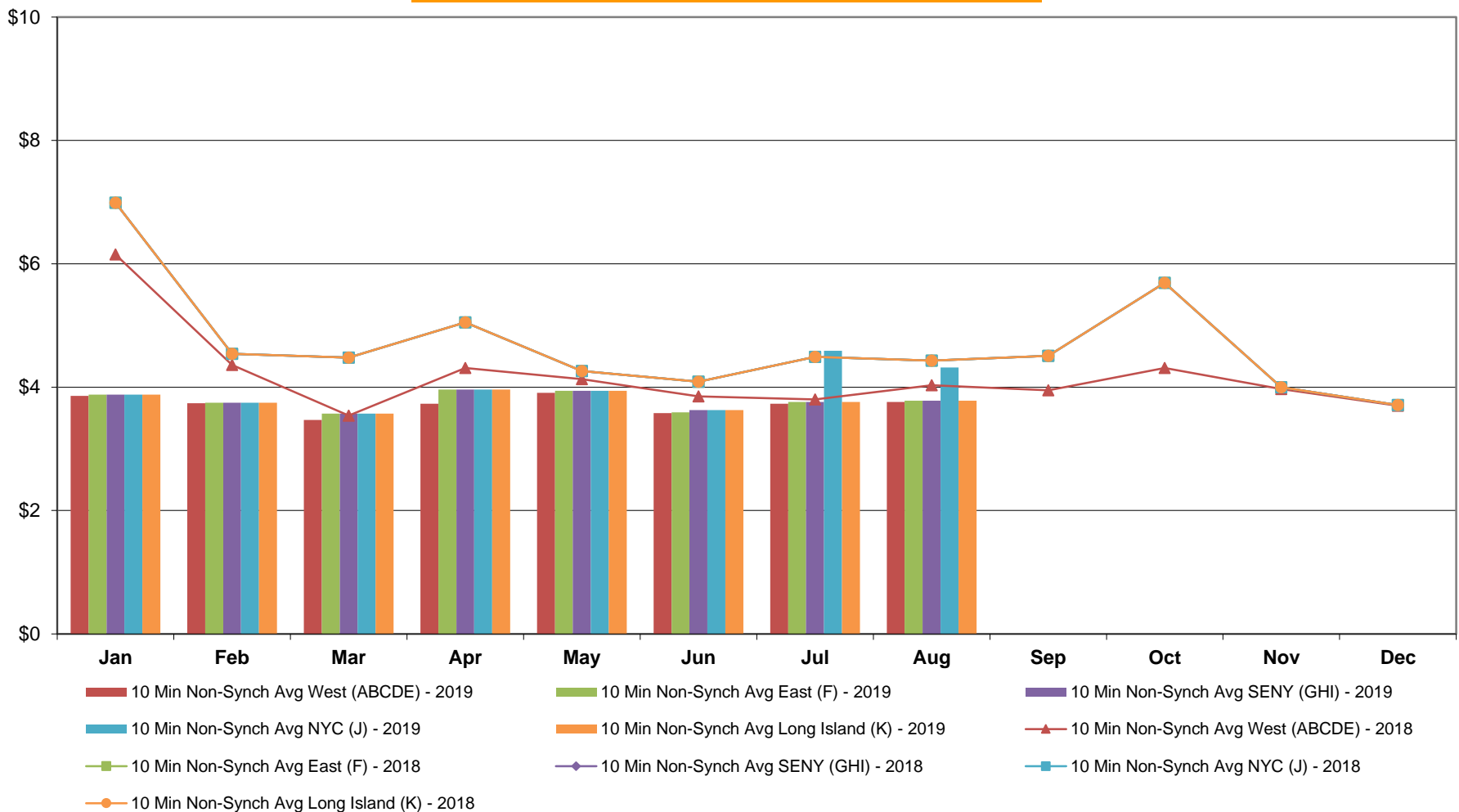
NYISO Multi Hour Block Transactions Monthly Total MWh



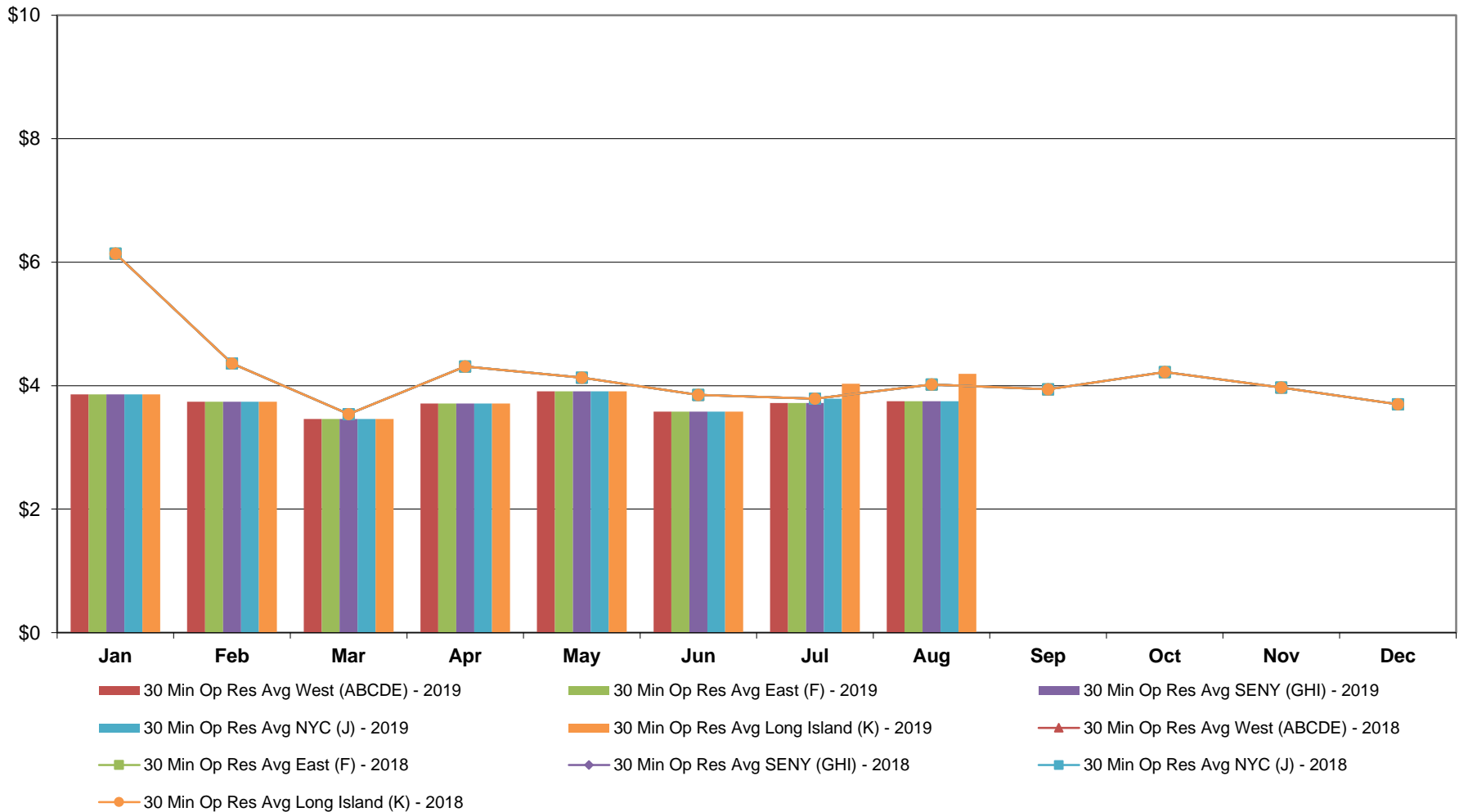
**NYISO Monthly Average Ancillary Service Prices
Day Ahead Market - 10 Min Spin 2018 - 2019**



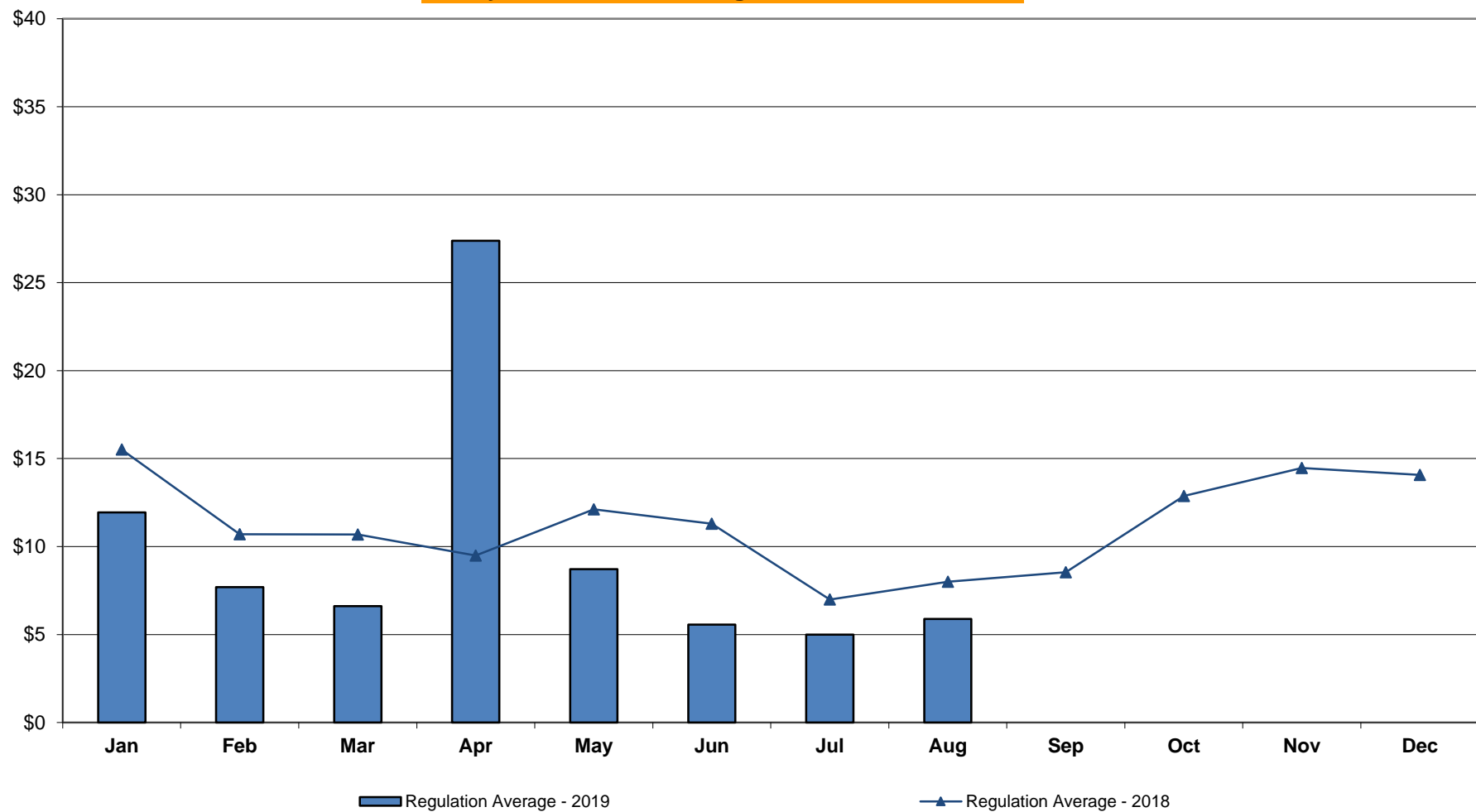
**NYISO Monthly Average Ancillary Service Prices
Day Ahead Market - 10 Min Non-Synch 2018 - 2019**



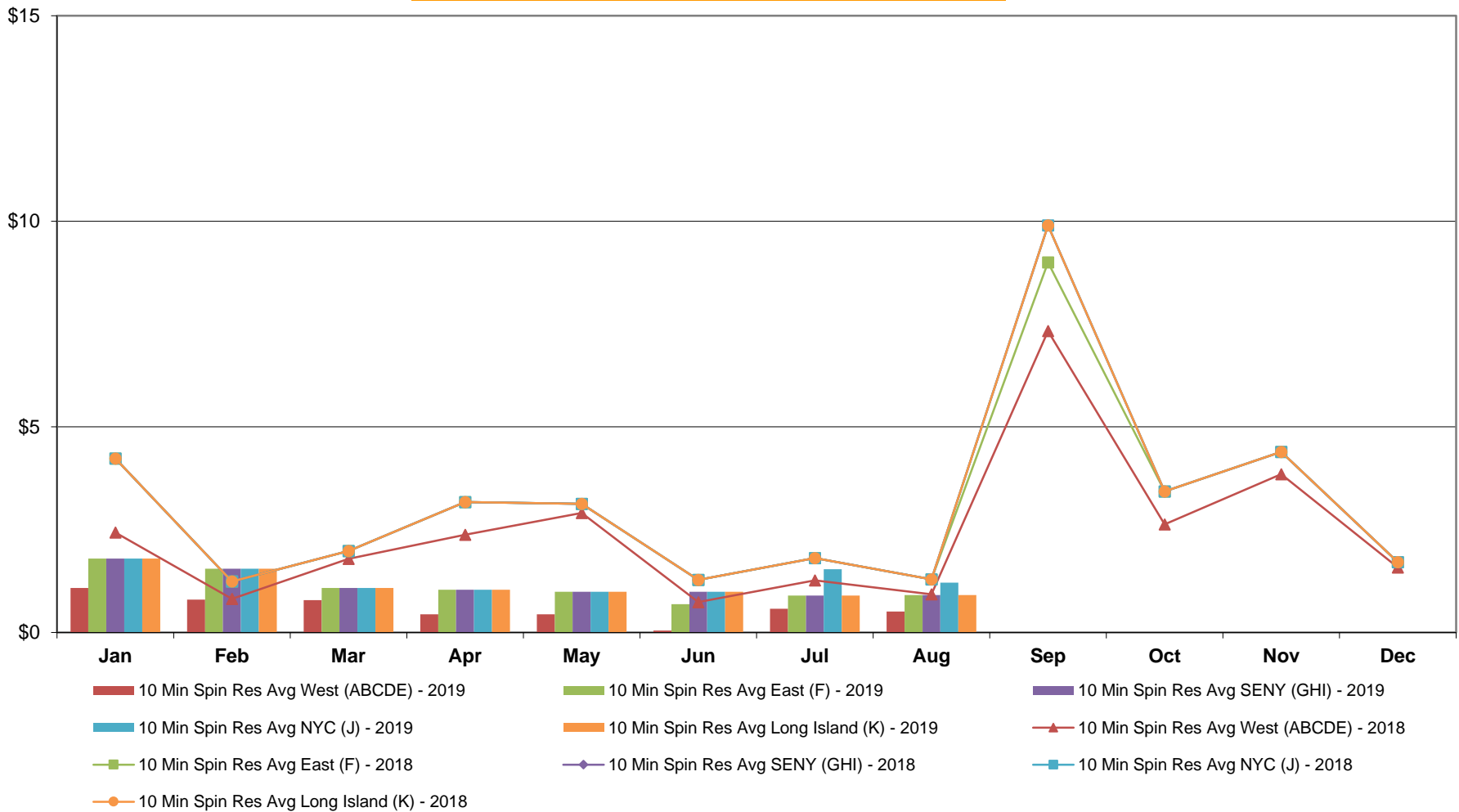
**NYISO Monthly Average Ancillary Service Prices
Day Ahead Market - 30 Min Op Res 2018 - 2019**



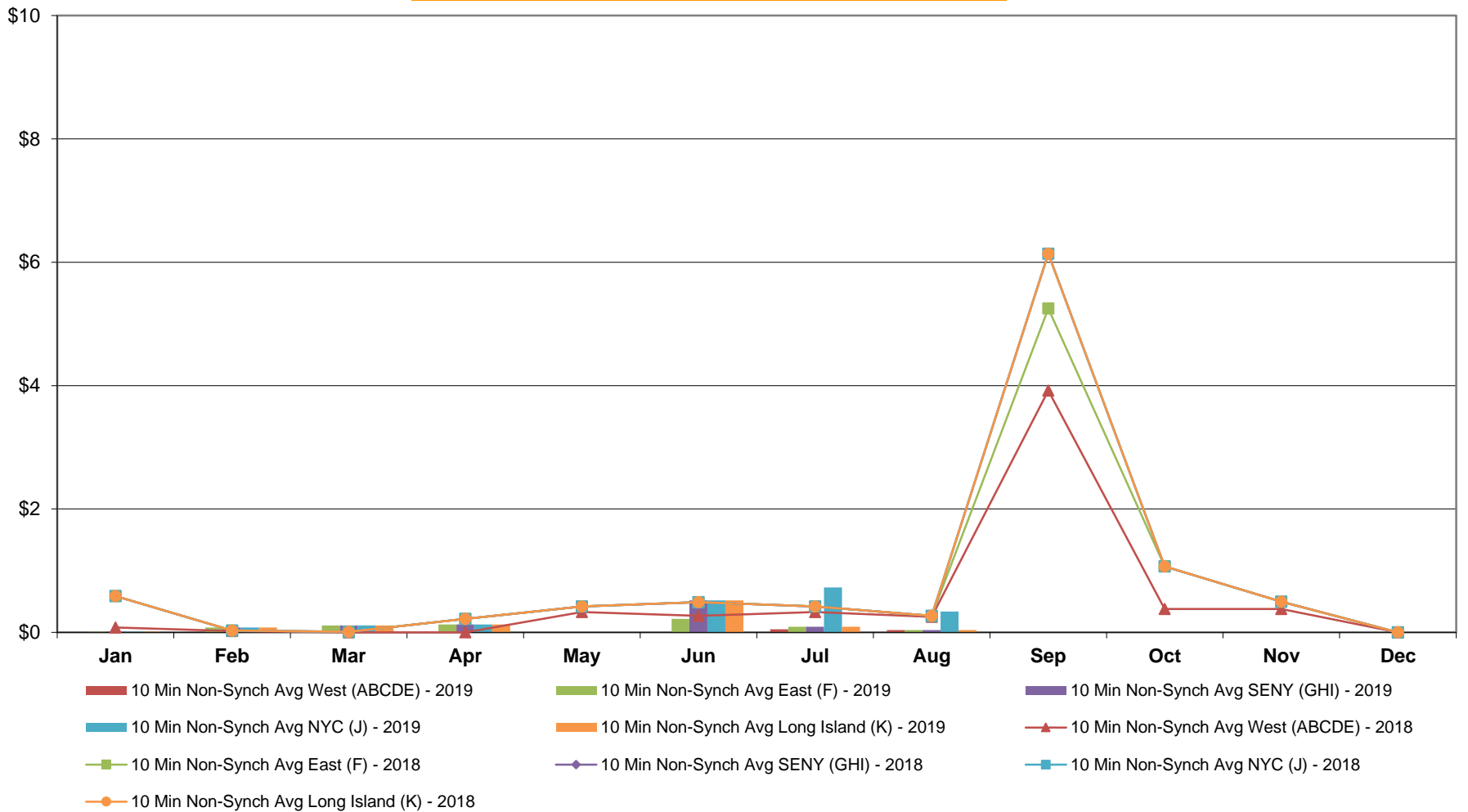
**NYISO Monthly Average Ancillary Service Prices
Day Ahead Market - Regulation 2018 - 2019**



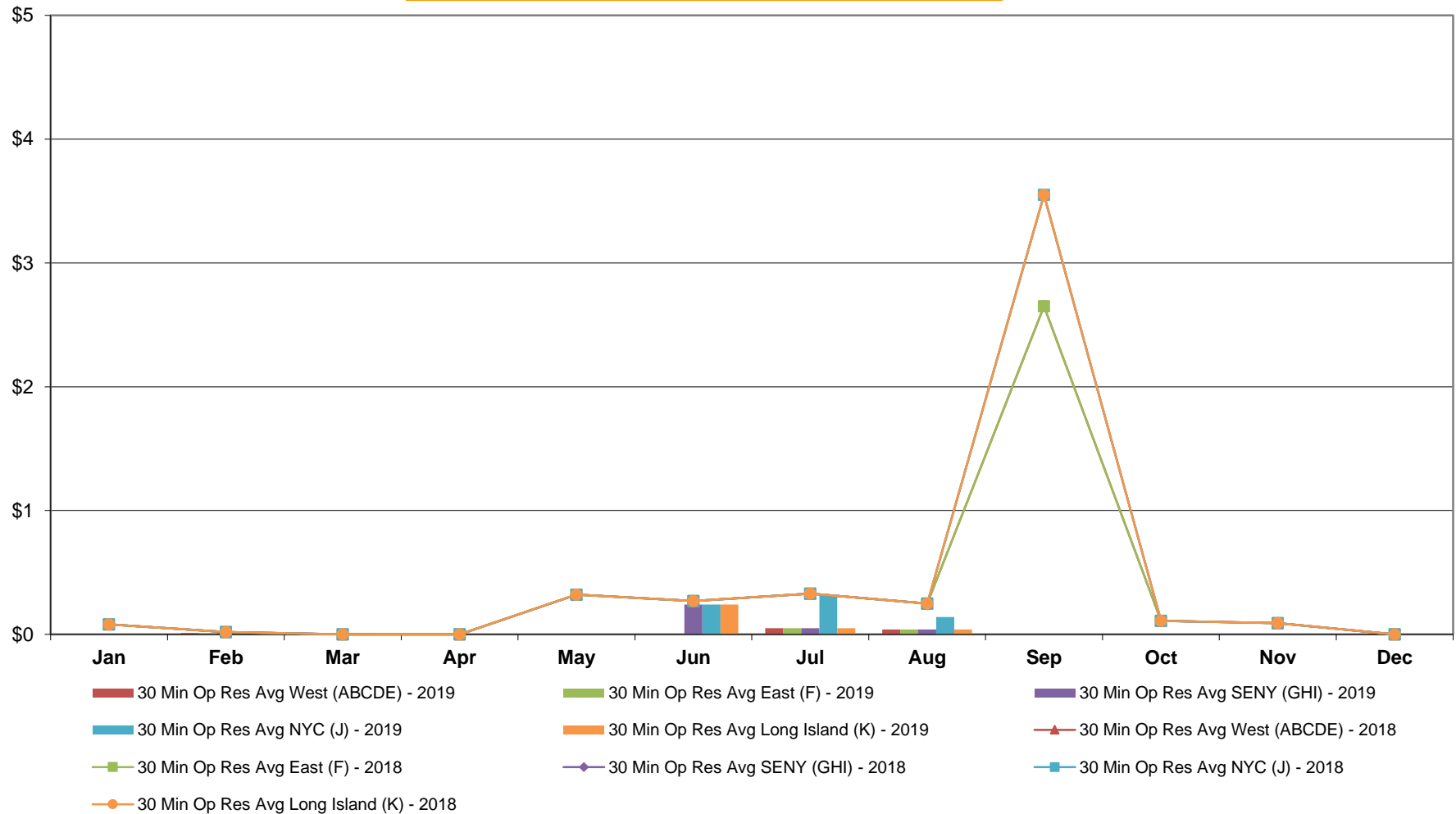
NYISO Monthly Average Ancillary Service Prices RTC Market - 10 Min Spin 2018 - 2019



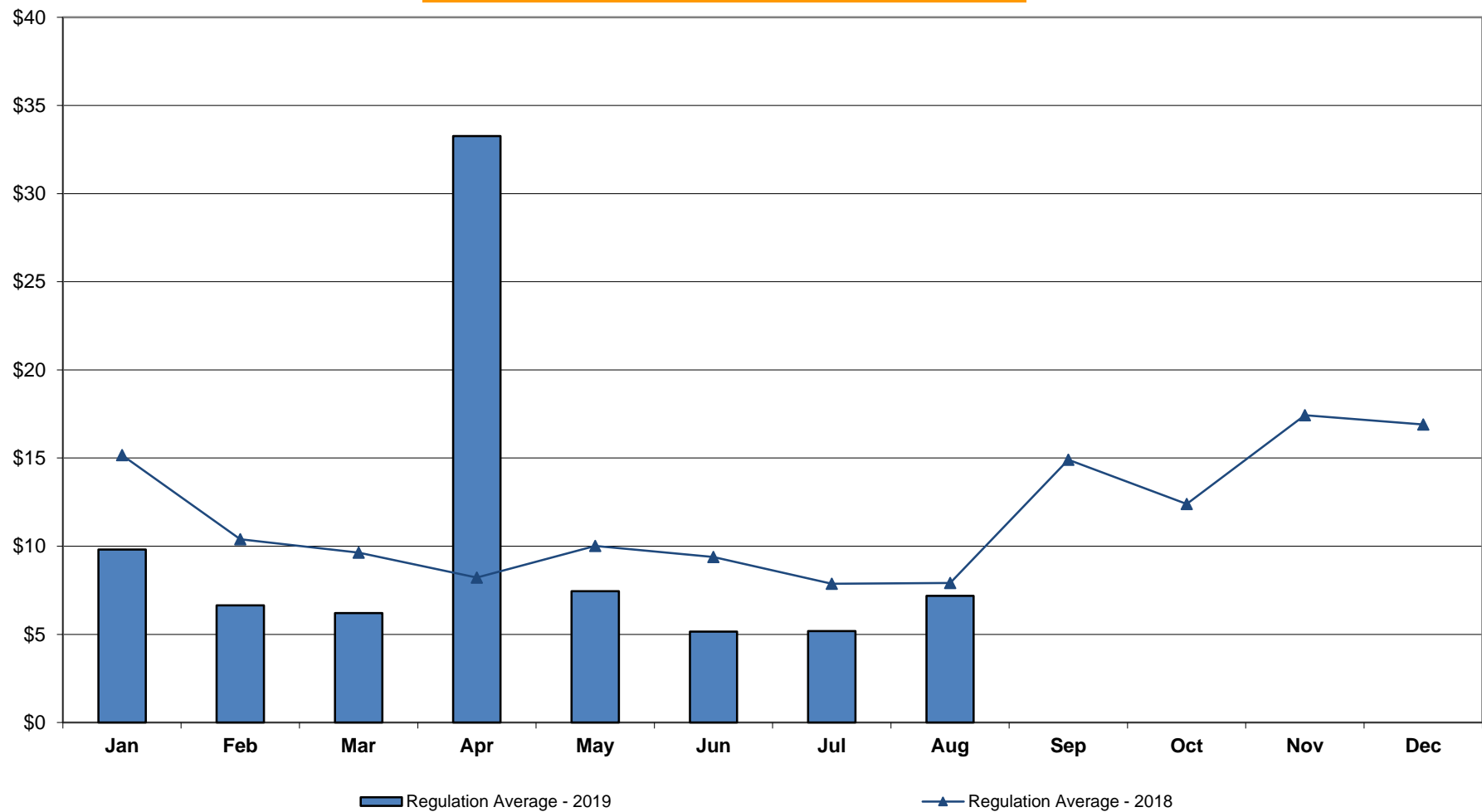
NYISO Monthly Average Ancillary Service Prices RTC Market - 10 Min Non-Synch 2018 - 2019



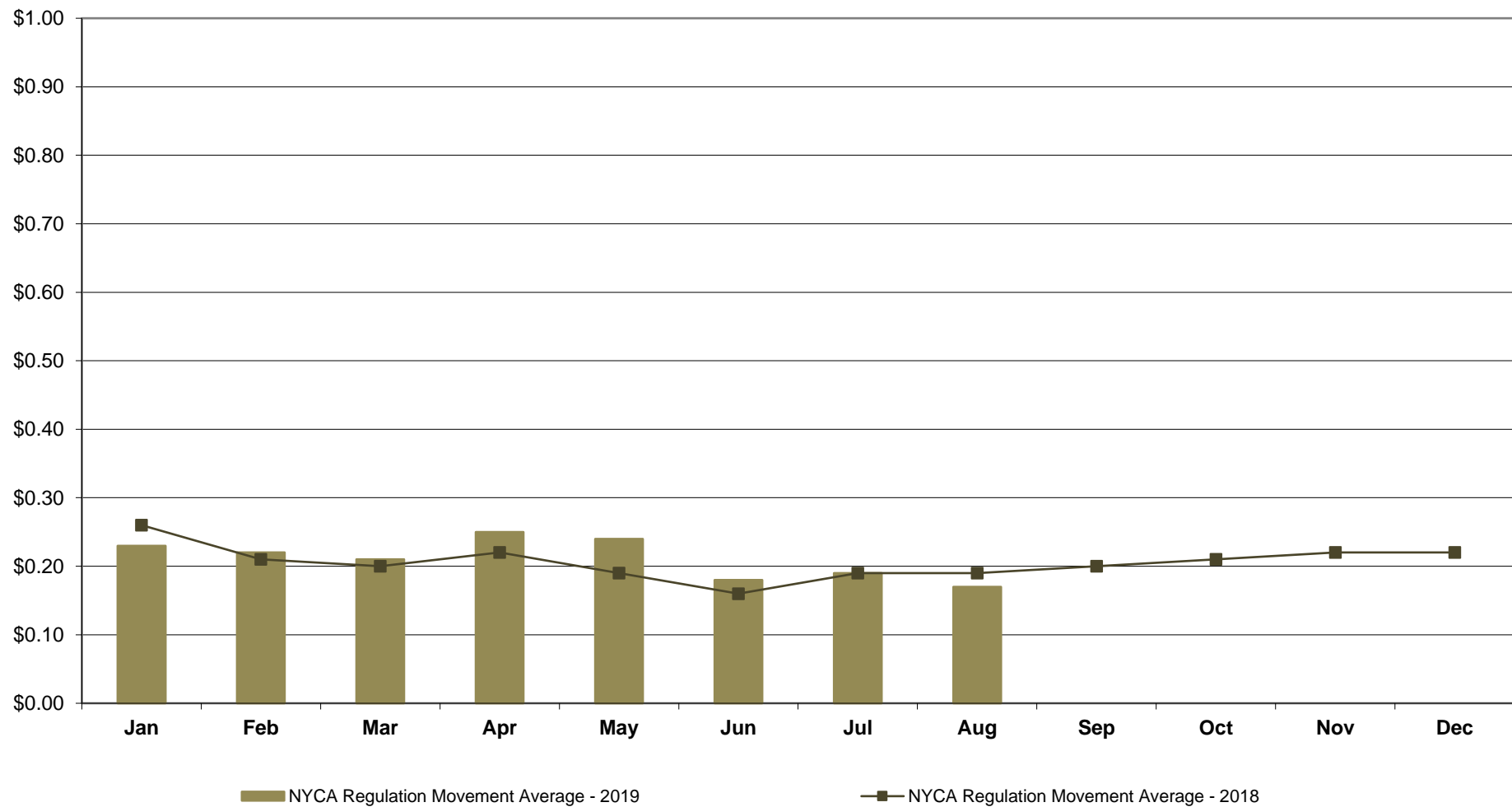
NYISO Monthly Average Ancillary Service Prices RTC Market - 30 Min Op Res 2018 - 2019



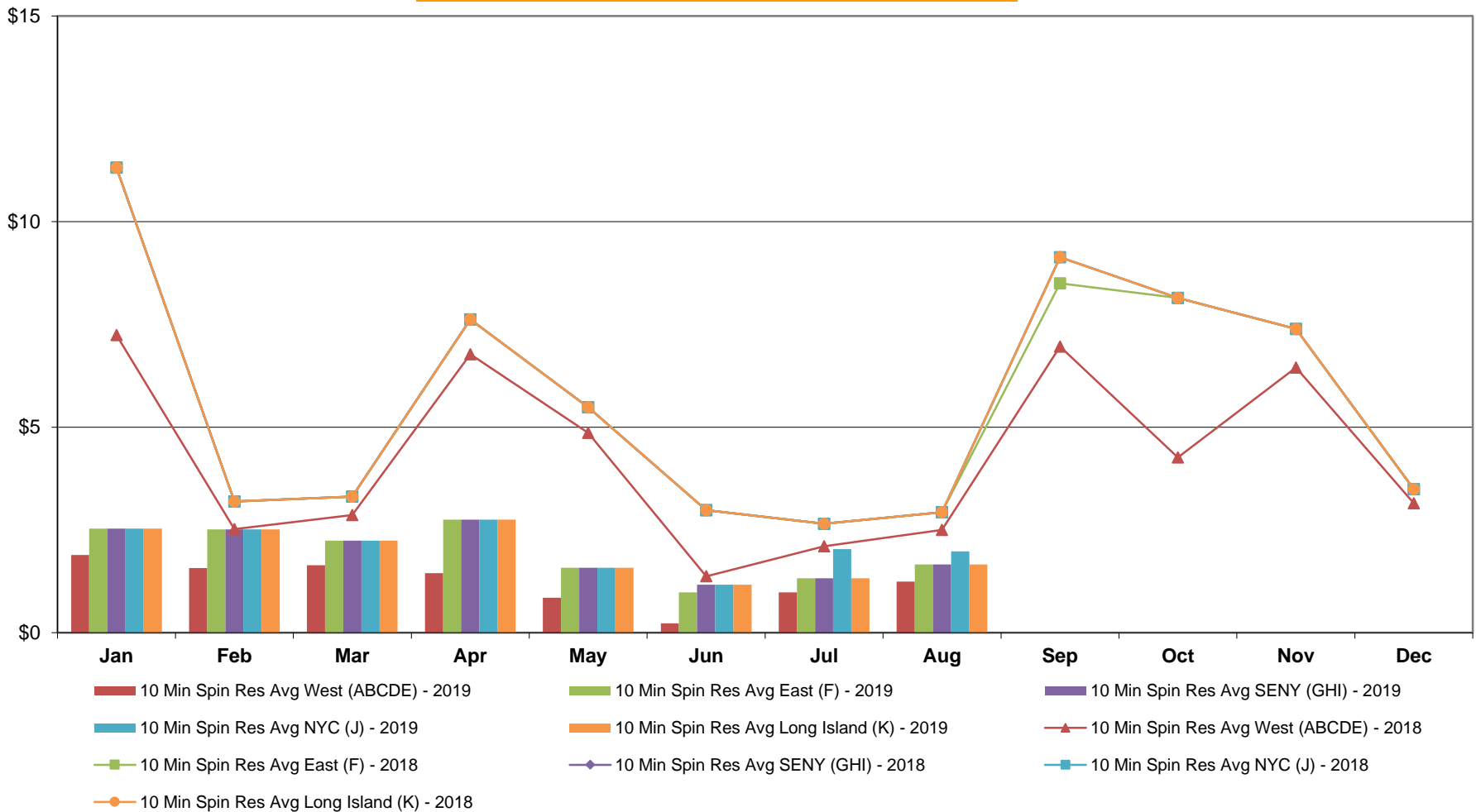
**NYISO Monthly Average Ancillary Service Prices
RTC Market - Regulation 2018 - 2019**



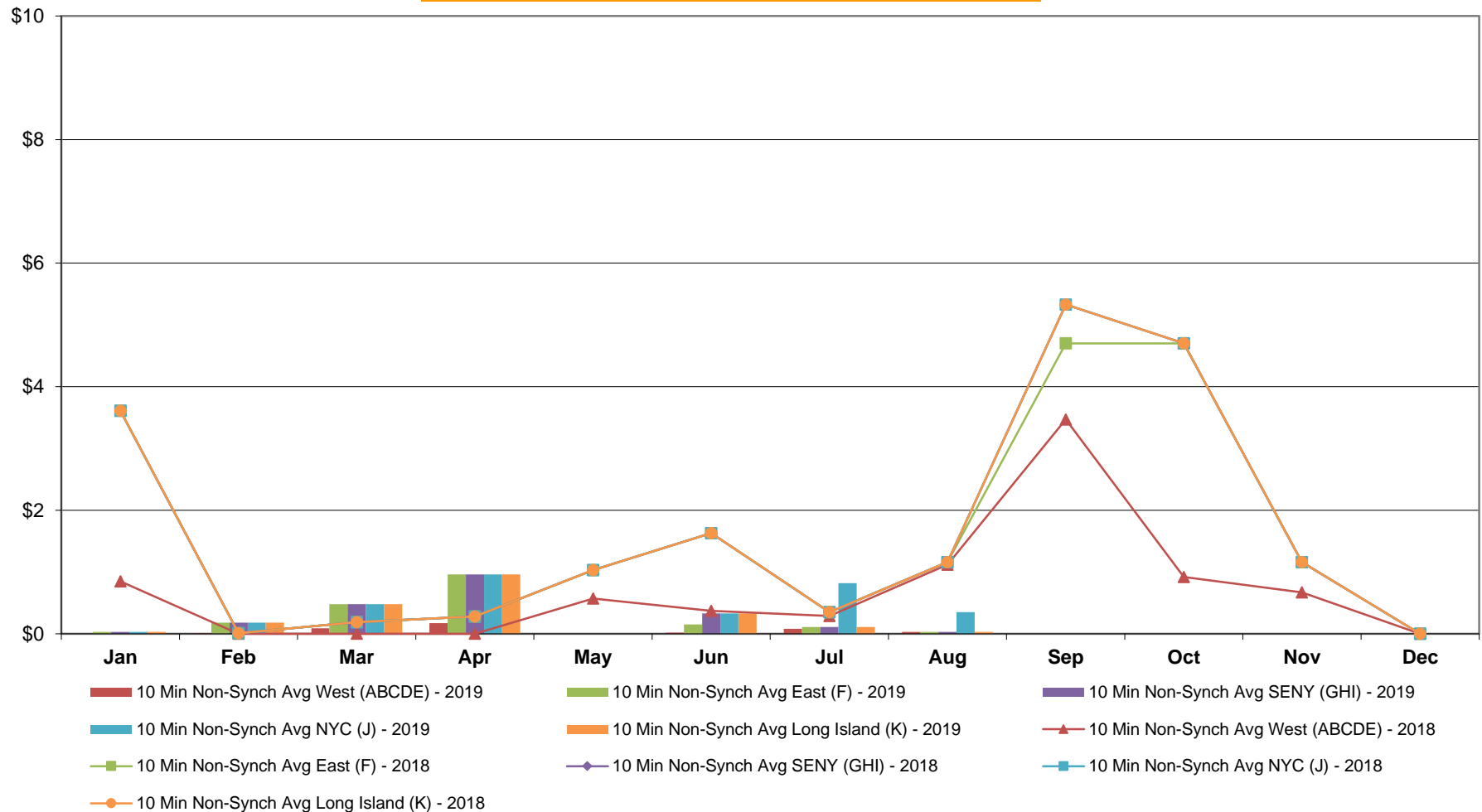
NYISO Monthly Average Ancillary Service Prices RTC Market - Regulation Movement 2018 - 2019



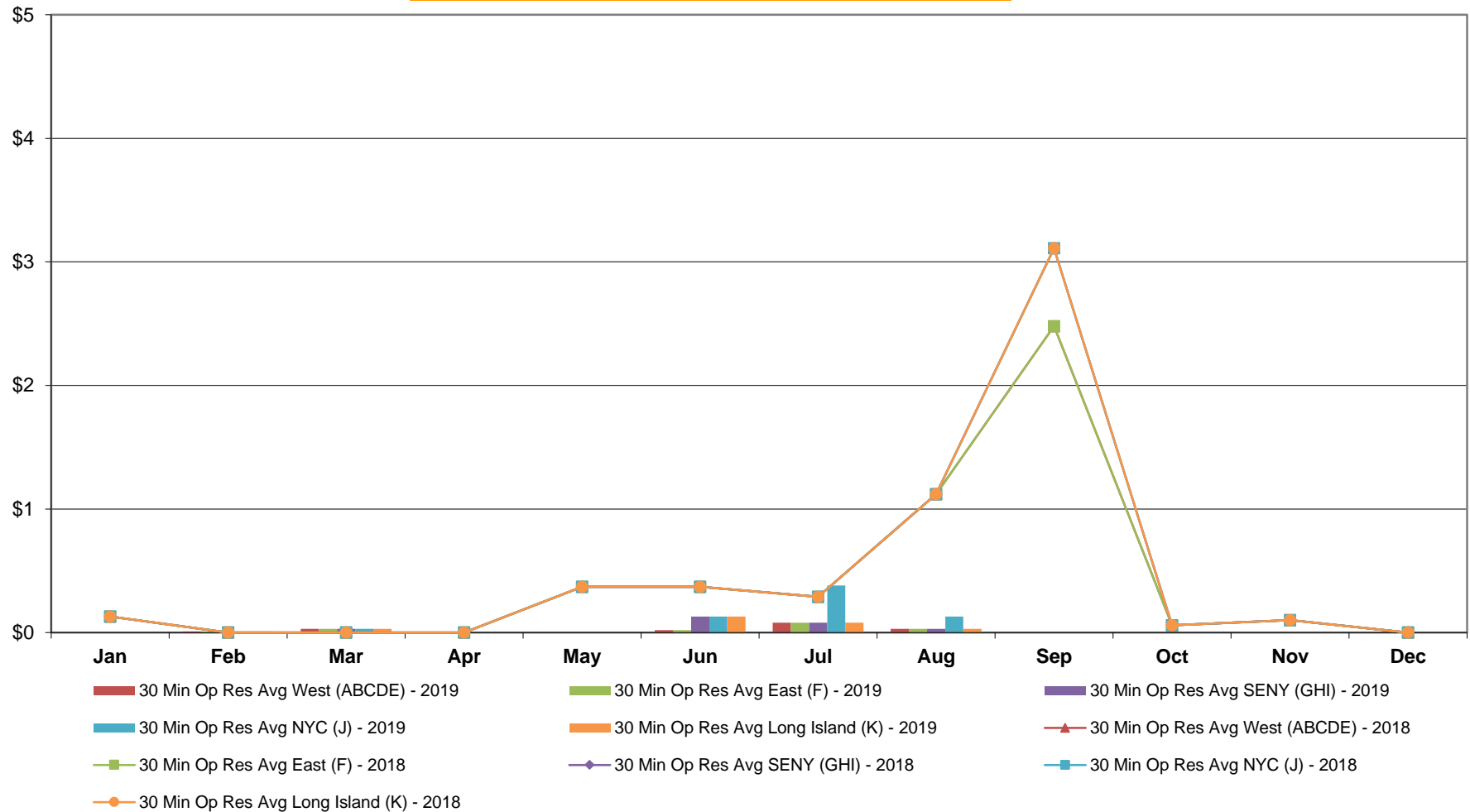
**NYISO Monthly Average Ancillary Service Prices
Real Time Market - 10 Min Spin 2018 - 2019**



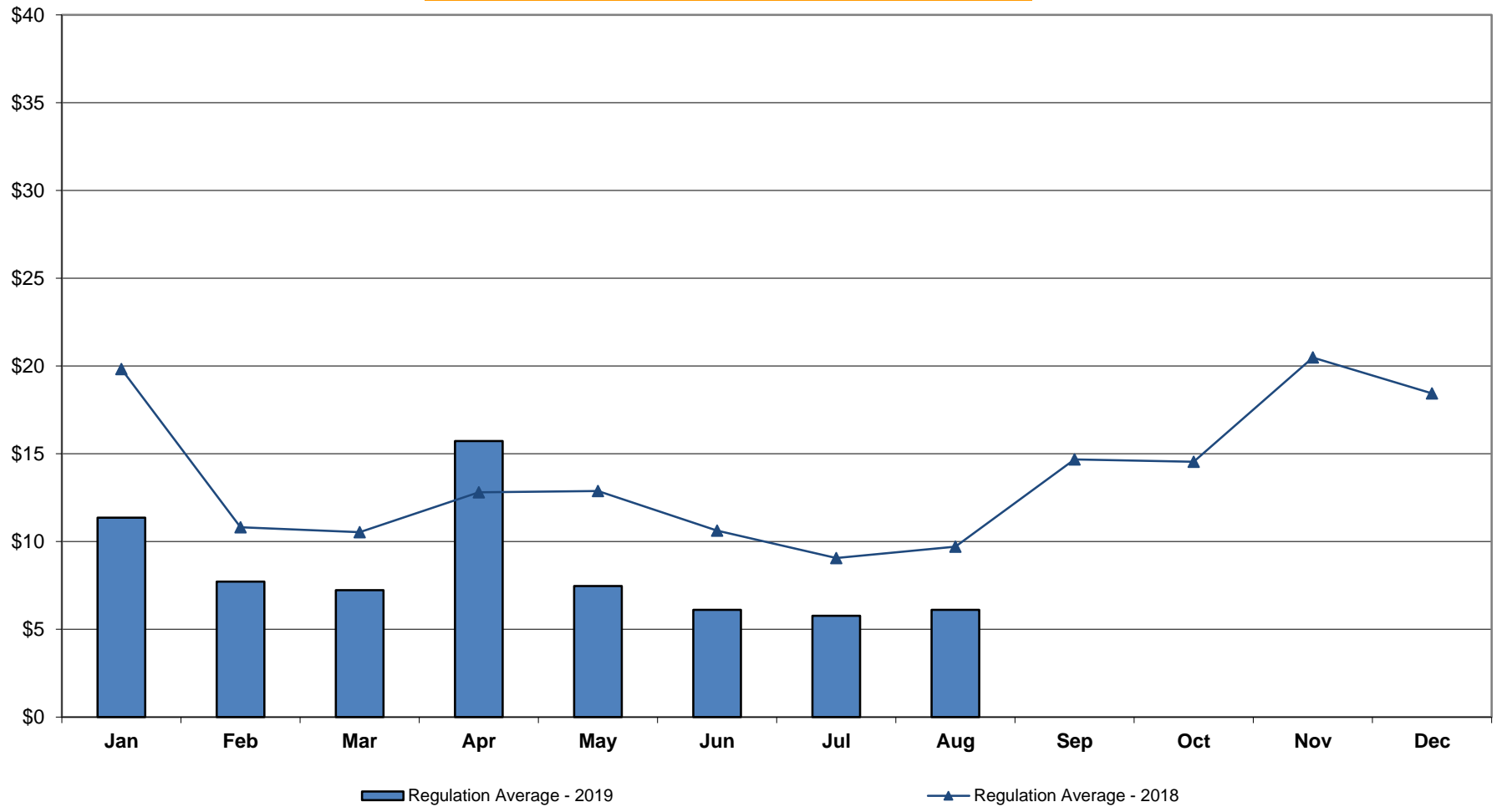
NYISO Monthly Average Ancillary Service Prices Real Time Market - 10 Min Non-Synch 2018 - 2019



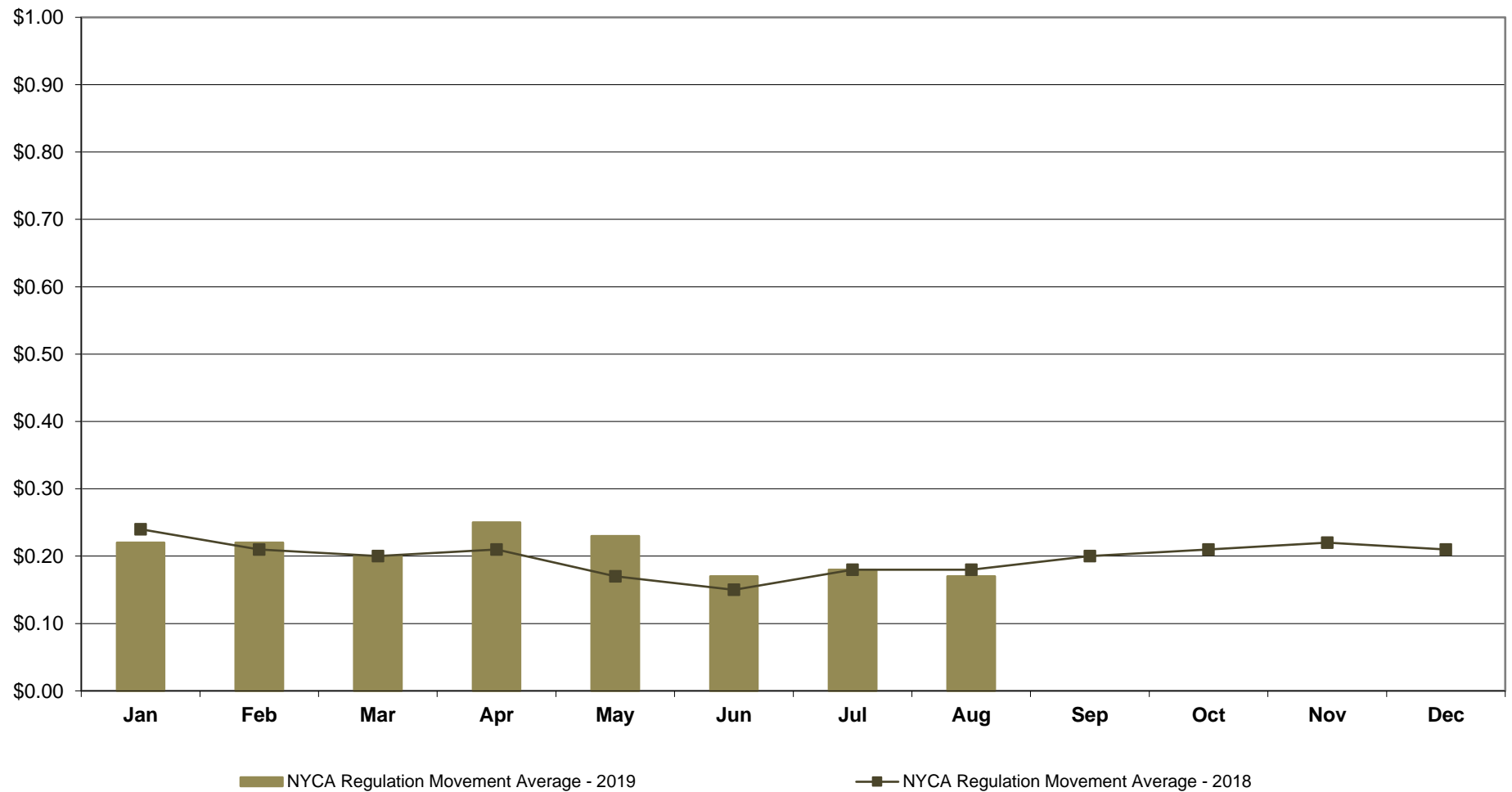
NYISO Monthly Average Ancillary Service Prices Real Time Market - 30 Min Op Res 2018 - 2019



**NYISO Monthly Average Ancillary Service Prices
Real Time Market - Regulation 2018 - 2019**



NYISO Monthly Average Ancillary Service Prices Real Time Market - Regulation Movement 2018 - 2019



NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - DAM

2019	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
Day Ahead Market												
10 Min Spin Long Island (K)	5.47	4.17	4.61	4.46	4.25	3.90	4.03	4.19				
10 Min Spin NYC (J)	5.47	4.17	4.61	4.46	4.25	3.90	4.86	4.73				
10 Min Spin SENY (GHI)	5.47	4.17	4.61	4.46	4.25	3.90	4.03	4.19				
10 Min Spin East (F)	5.47	4.17	4.61	4.46	4.25	3.86	4.03	4.19				
10 Min Spin West (ABCDE)	4.56	3.94	4.30	4.01	4.09	3.77	3.89	4.00				
10 Min Non Synch Long Island (K)	3.88	3.75	3.57	3.96	3.94	3.63	3.76	3.78				
10 Min Non Synch NYC (J)	3.88	3.75	3.57	3.96	3.94	3.63	4.59	4.32				
10 Min Non Synch SENY (GHI)	3.88	3.75	3.57	3.96	3.94	3.63	3.76	3.78				
10 Min Non Synch East (F)	3.88	3.75	3.57	3.96	3.94	3.59	3.76	3.78				
10 Min Non Synch West (ABCDE)	3.86	3.74	3.47	3.73	3.91	3.58	3.73	3.76				
30 Min Long Island (K)	3.86	3.74	3.46	3.71	3.91	3.58	3.72	3.75				
30 Min NYC (J)	3.86	3.74	3.46	3.71	3.91	3.58	3.79	3.75				
30 Min SENY (GHI)	3.86	3.74	3.46	3.71	3.91	3.58	3.72	3.75				
30 Min East (F)	3.86	3.74	3.46	3.71	3.91	3.58	3.72	3.75				
30 Min West (ABCDE)	3.86	3.74	3.46	3.71	3.91	3.58	3.72	3.75				
Regulation	11.94	7.69	6.62	27.38	8.71	5.57	4.99	5.89				
2018	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
Day Ahead Market												
10 Min Spin SENY (GHIJK)	9.93	5.24	5.97	7.45	5.52	4.98	4.95	4.91	6.04	8.37	6.93	4.99
10 Min Spin East (F)	9.93	5.24	5.97	7.45	5.52	4.98	4.95	4.91	6.04	8.37	6.93	4.99
10 Min Spin West (ABCDE)	8.49	4.53	4.78	5.73	4.65	4.26	3.98	4.30	5.18	6.36	6.57	4.86
10 Min Non Synch SENY (GHIJK)	6.99	4.54	4.48	5.05	4.26	4.09	4.49	4.43	4.51	5.69	4.00	3.71
10 Min Non Synch East (F)	6.99	4.54	4.48	5.05	4.26	4.09	4.49	4.43	4.51	5.69	4.00	3.71
10 Min Non Synch West (ABCDE)	6.15	4.36	3.54	4.31	4.13	3.85	3.80	4.03	3.95	4.31	3.97	3.70
30 Min SENY (GHIJK)	6.14	4.36	3.54	4.31	4.13	3.85	3.79	4.02	3.94	4.22	3.97	3.70
30 Min East (F)	6.14	4.36	3.54	4.31	4.13	3.85	3.79	4.02	3.94	4.22	3.97	3.70
30 Min West (ABCDE)	6.14	4.36	3.54	4.31	4.13	3.85	3.79	4.02	3.94	4.22	3.97	3.70
Regulation	15.51	10.70	10.68	9.49	12.11	11.30	6.99	8.00	8.54	12.88	14.47	14.07

NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RTC

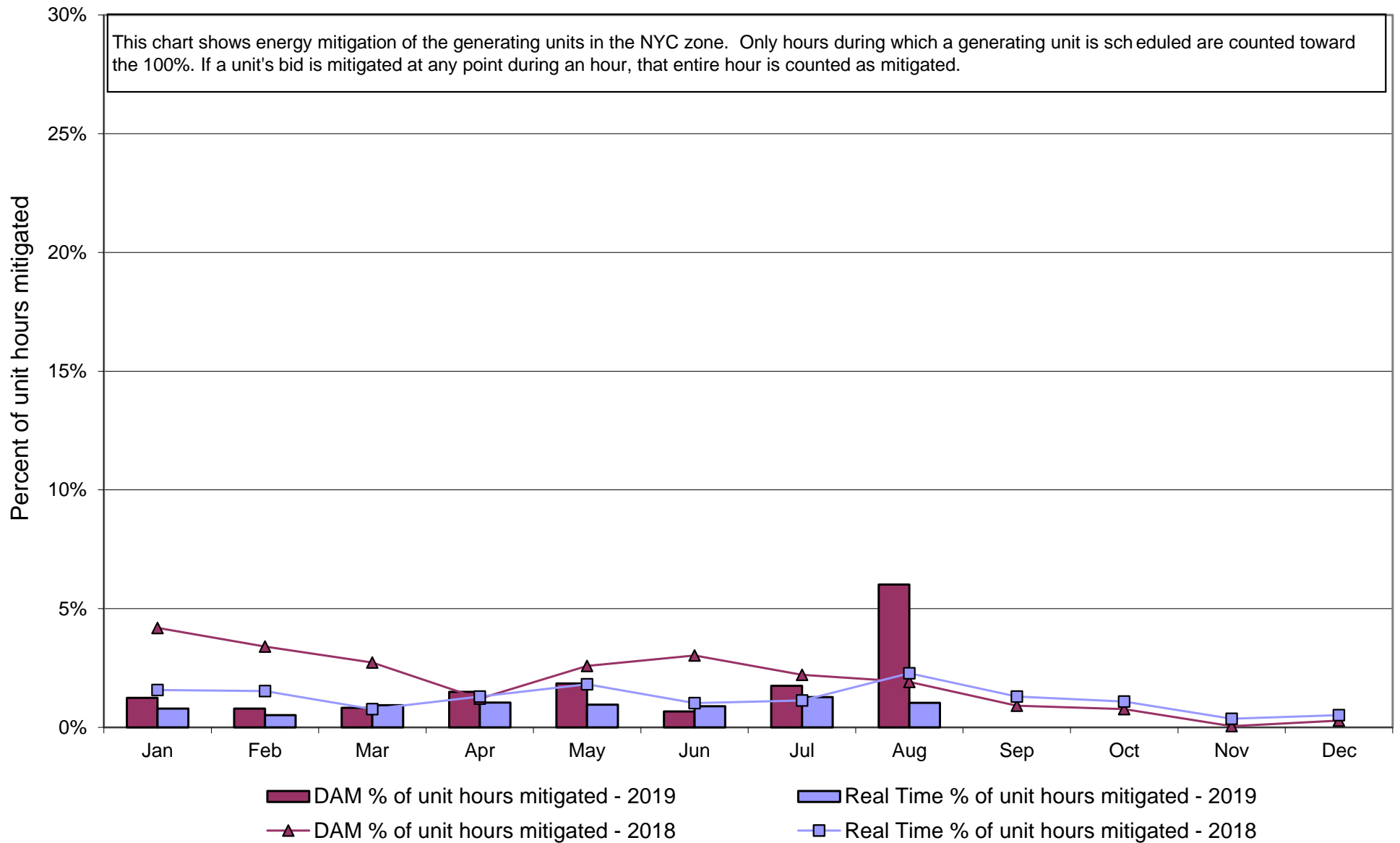
2019	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
RTC Market												
10 Min Spin Long Island (K)	1.80	1.55	1.08	1.04	0.99	0.99	0.90	0.91				
10 Min Spin NYC (J)	1.80	1.55	1.08	1.04	0.99	0.99	1.54	1.21				
10 Min Spin SENY (GHI)	1.80	1.55	1.08	1.04	0.99	0.99	0.90	0.91				
10 Min Spin East (F)	1.80	1.55	1.08	1.04	0.99	0.69	0.90	0.91				
10 Min Spin West (ABCDE)	1.08	0.80	0.79	0.44	0.44	0.05	0.58	0.51				
10 Min Non Synch Long Island (K)	0.01	0.08	0.11	0.13	0.00	0.52	0.09	0.04				
10 Min Non Synch NYC (J)	0.01	0.08	0.11	0.13	0.00	0.52	0.73	0.34				
10 Min Non Synch SENY (GHI)	0.01	0.08	0.11	0.13	0.00	0.52	0.09	0.04				
10 Min Non Synch East (F)	0.01	0.08	0.11	0.13	0.00	0.22	0.09	0.04				
10 Min Non Synch West (ABCDE)	0.00	0.01	0.01	0.00	0.00	0.00	0.05	0.04				
30 Min Long Island (K)	0.00	0.01	0.01	0.00	0.00	0.24	0.05	0.04				
30 Min NYC (J)	0.00	0.01	0.01	0.00	0.00	0.24	0.31	0.14				
30 Min SENY (GHI)	0.00	0.01	0.01	0.00	0.00	0.24	0.05	0.04				
30 Min East (F)	0.00	0.01	0.01	0.00	0.00	0.00	0.05	0.04				
30 Min West (ABCDE)	0.00	0.01	0.01	0.00	0.00	0.00	0.05	0.04				
Regulation	9.81	6.64	6.21	33.26	7.45	5.16	5.19	7.19				
NYCA Regulation Movement	0.23	0.22	0.21	0.25	0.24	0.18	0.19	0.17				
2018	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
RTC Market												
10 Min Spin SENY (GHIJK)	4.23	1.24	1.98	3.17	3.13	1.28	1.81	1.29	9.90	3.43	4.39	1.71
10 Min Spin East (F)	4.23	1.24	1.98	3.17	3.13	1.28	1.81	1.29	9.00	3.43	4.39	1.71
10 Min Spin West (ABCDE)	2.43	0.82	1.79	2.38	2.91	0.74	1.27	0.93	7.33	2.63	3.85	1.58
10 Min Non Synch SENY (GHIJK)	0.59	0.03	0.01	0.22	0.42	0.49	0.42	0.27	6.14	1.07	0.50	0.00
10 Min Non Synch East (F)	0.59	0.03	0.01	0.22	0.42	0.49	0.42	0.27	5.25	1.07	0.50	0.00
10 Min Non Synch West (ABCDE)	0.08	0.02	0.00	0.00	0.33	0.27	0.33	0.25	3.92	0.38	0.38	0.00
30 Min SENY (GHIJK)	0.08	0.02	0.00	0.00	0.32	0.27	0.33	0.25	3.55	0.11	0.09	0.00
30 Min East (F)	0.08	0.02	0.00	0.00	0.32	0.27	0.33	0.25	2.65	0.11	0.09	0.00
30 Min West (ABCDE)	0.08	0.02	0.00	0.00	0.32	0.27	0.33	0.25	2.65	0.11	0.09	0.00
Regulation	15.17	10.40	9.63	8.22	10.01	9.39	7.87	7.92	14.90	12.40	17.43	16.90
NYCA Regulation Movement	0.26	0.21	0.20	0.22	0.19	0.16	0.19	0.19	0.20	0.21	0.22	0.22

NYISO Markets Ancillary Services Statistics - Unweighted Price (\$/MWH) - RT

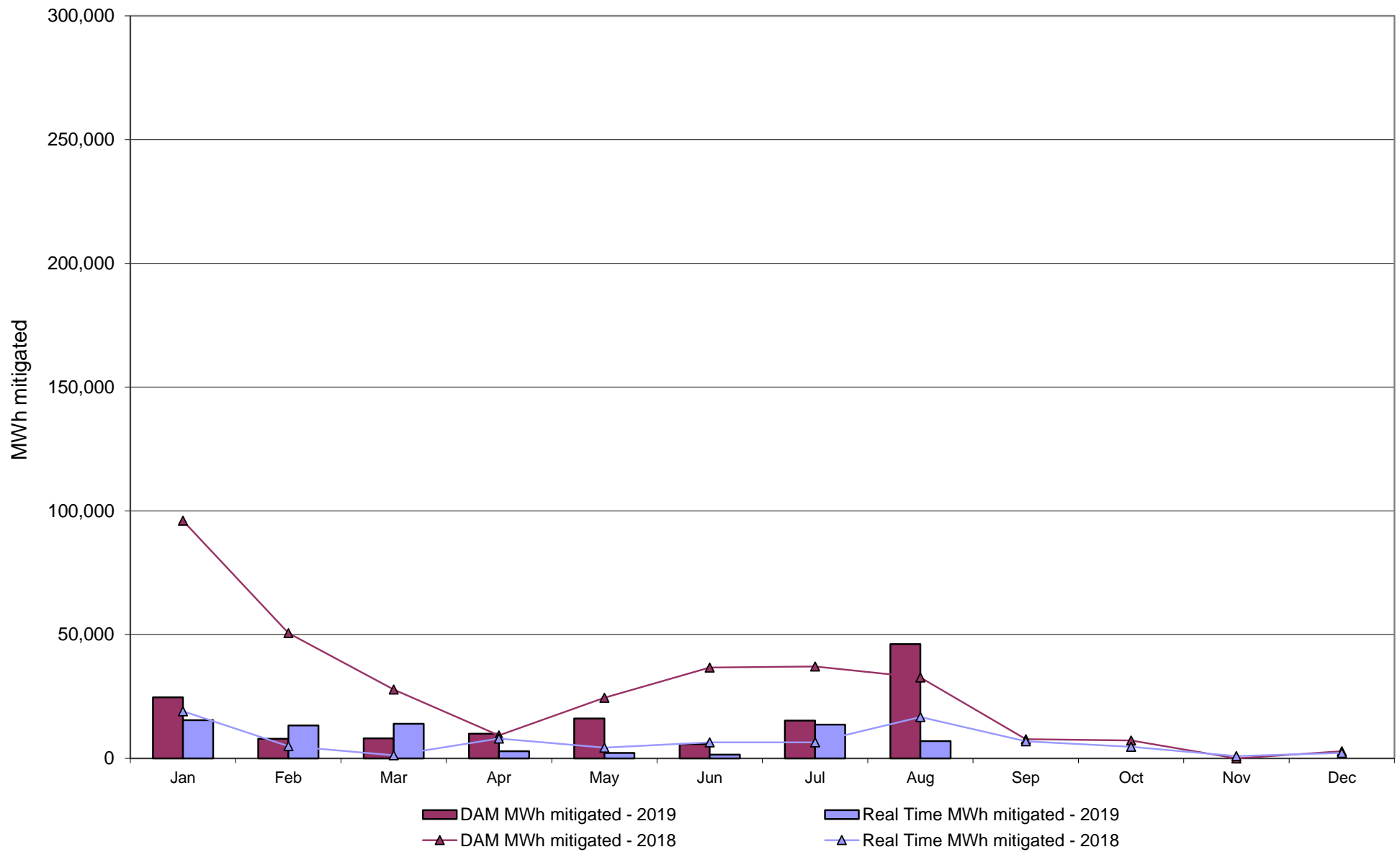
2019	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>Real Time Market</u>												
10 Min Spin Long Island (K)	2.53	2.51	2.24	2.75	1.58	1.17	1.32	1.66				
10 Min Spin NYC (J)	2.53	2.51	2.24	2.75	1.58	1.17	2.03	1.98				
10 Min Spin SENY (GHI)	2.53	2.51	2.24	2.75	1.58	1.17	1.32	1.66				
10 Min Spin East (F)	2.53	2.51	2.24	2.75	1.58	0.98	1.32	1.66				
10 Min Spin West (ABCDE)	1.89	1.57	1.64	1.45	0.85	0.23	0.98	1.24				
10 Min Non Synch Long Island (K)	0.03	0.18	0.48	0.96	0.00	0.33	0.11	0.03				
10 Min Non Synch NYC (J)	0.03	0.18	0.48	0.96	0.00	0.33	0.82	0.35				
10 Min Non Synch SENY (GHI)	0.03	0.18	0.48	0.96	0.00	0.33	0.11	0.03				
10 Min Non Synch East (F)	0.03	0.18	0.48	0.96	0.00	0.15	0.11	0.03				
10 Min Non Synch West (ABCDE)	0.00	0.01	0.09	0.17	0.00	0.02	0.08	0.03				
30 Min Long Island (K)	0.00	0.01	0.03	0.00	0.00	0.13	0.08	0.03				
30 Min NYC (J)	0.00	0.01	0.03	0.00	0.00	0.13	0.38	0.13				
30 Min SENY (GHI)	0.00	0.01	0.03	0.00	0.00	0.13	0.08	0.03				
30 Min East (F)	0.00	0.01	0.03	0.00	0.00	0.02	0.08	0.03				
30 Min West (ABCDE)	0.00	0.01	0.03	0.00	0.00	0.02	0.08	0.03				
Regulation	11.36	7.72	7.23	15.73	7.47	6.11	5.77	6.11				
NYCA Regulation Movement	0.22	0.22	0.20	0.25	0.23	0.17	0.18	0.17				
2018	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>	<u>September</u>	<u>October</u>	<u>November</u>	<u>December</u>
<u>Real Time Market</u>												
10 Min Spin SENY (GHIJK)	11.31	3.19	3.31	7.62	5.48	2.98	2.65	2.93	9.13	8.14	7.39	3.49
10 Min Spin East (F)	11.31	3.19	3.31	7.62	5.48	2.98	2.65	2.93	8.50	8.14	7.39	3.49
10 Min Spin West (ABCDE)	7.24	2.52	2.86	6.77	4.86	1.37	2.10	2.50	6.96	4.26	6.45	3.15
10 Min Non Synch SENY (GHIJK)	3.61	0.01	0.19	0.28	1.03	1.63	0.35	1.16	5.33	4.70	1.16	0.00
10 Min Non Synch East (F)	3.61	0.01	0.19	0.28	1.03	1.63	0.35	1.16	4.70	4.70	1.16	0.00
10 Min Non Synch West (ABCDE)	0.85	0.00	0.00	0.00	0.57	0.37	0.29	1.12	3.47	0.92	0.67	0.00
30 Min SENY (GHIJK)	0.13	0.00	0.00	0.00	0.37	0.37	0.29	1.12	3.11	0.06	0.10	0.00
30 Min East (F)	0.13	0.00	0.00	0.00	0.37	0.37	0.29	1.12	2.48	0.06	0.10	0.00
30 Min West (ABCDE)	0.13	0.00	0.00	0.00	0.37	0.37	0.29	1.12	2.48	0.06	0.10	0.00
Regulation	19.82	10.82	10.54	12.80	12.88	10.62	9.06	9.71	14.67	14.54	20.48	18.44
NYCA Regulation Movement	0.24	0.21	0.20	0.21	0.17	0.15	0.18	0.18	0.20	0.21	0.22	0.21

NYISO In City Energy Mitigation - AMP (NYC Zone) 2018 - 2019

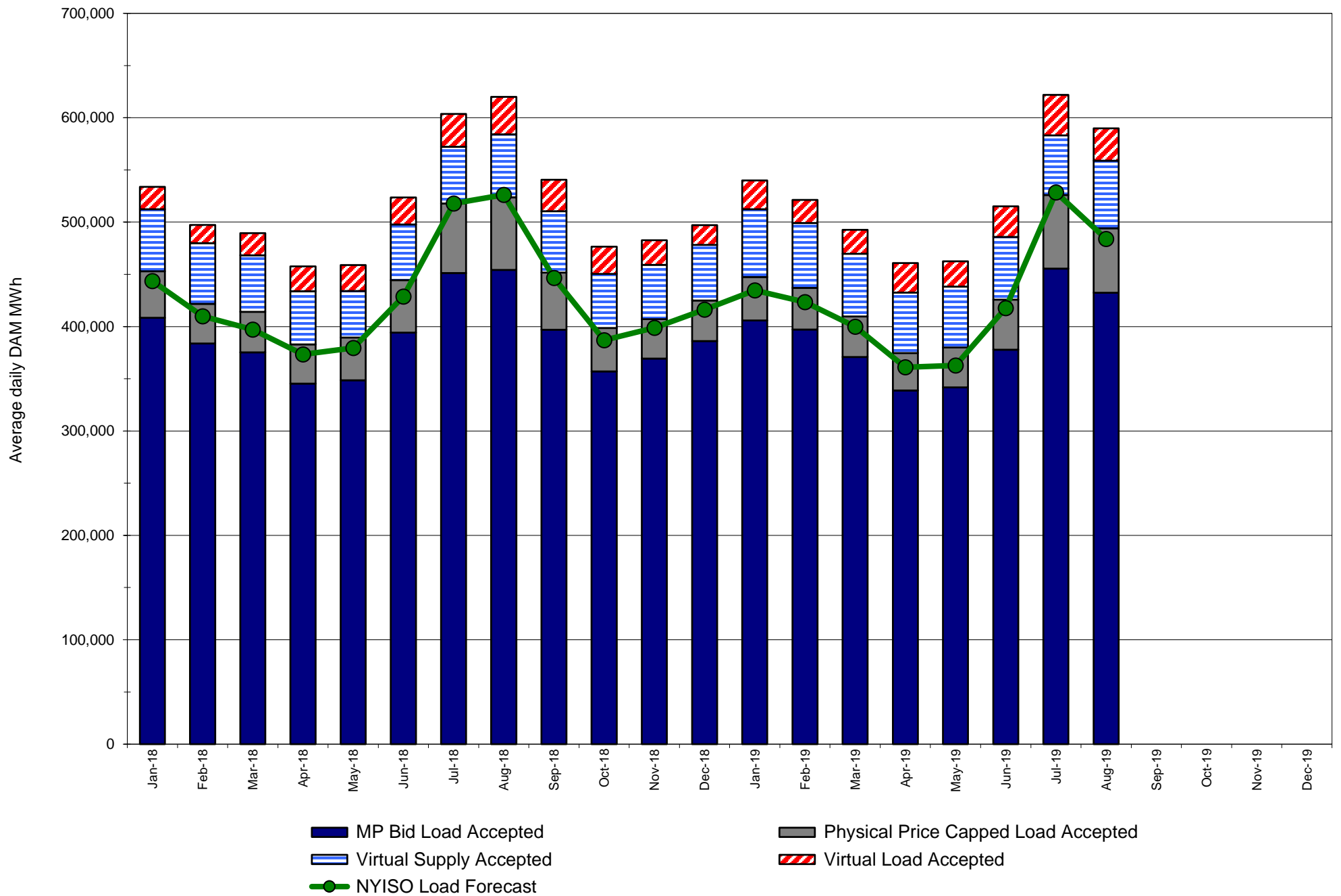
Percentage of committed unit-hours mitigated



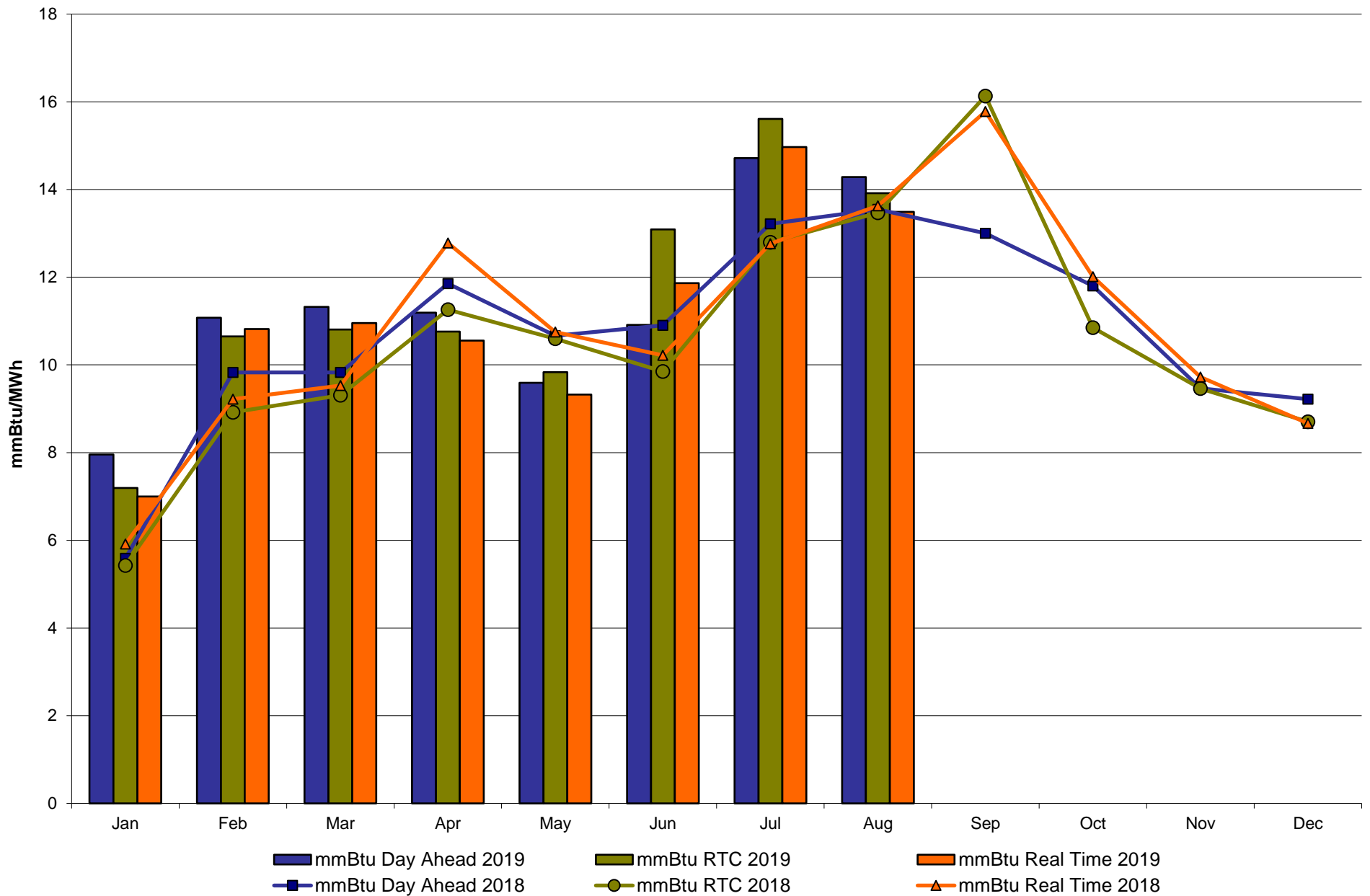
NYISO In City Energy Mitigation (NYC Zone) 2018 - 2019 **Monthly megawatt hours mitigated**



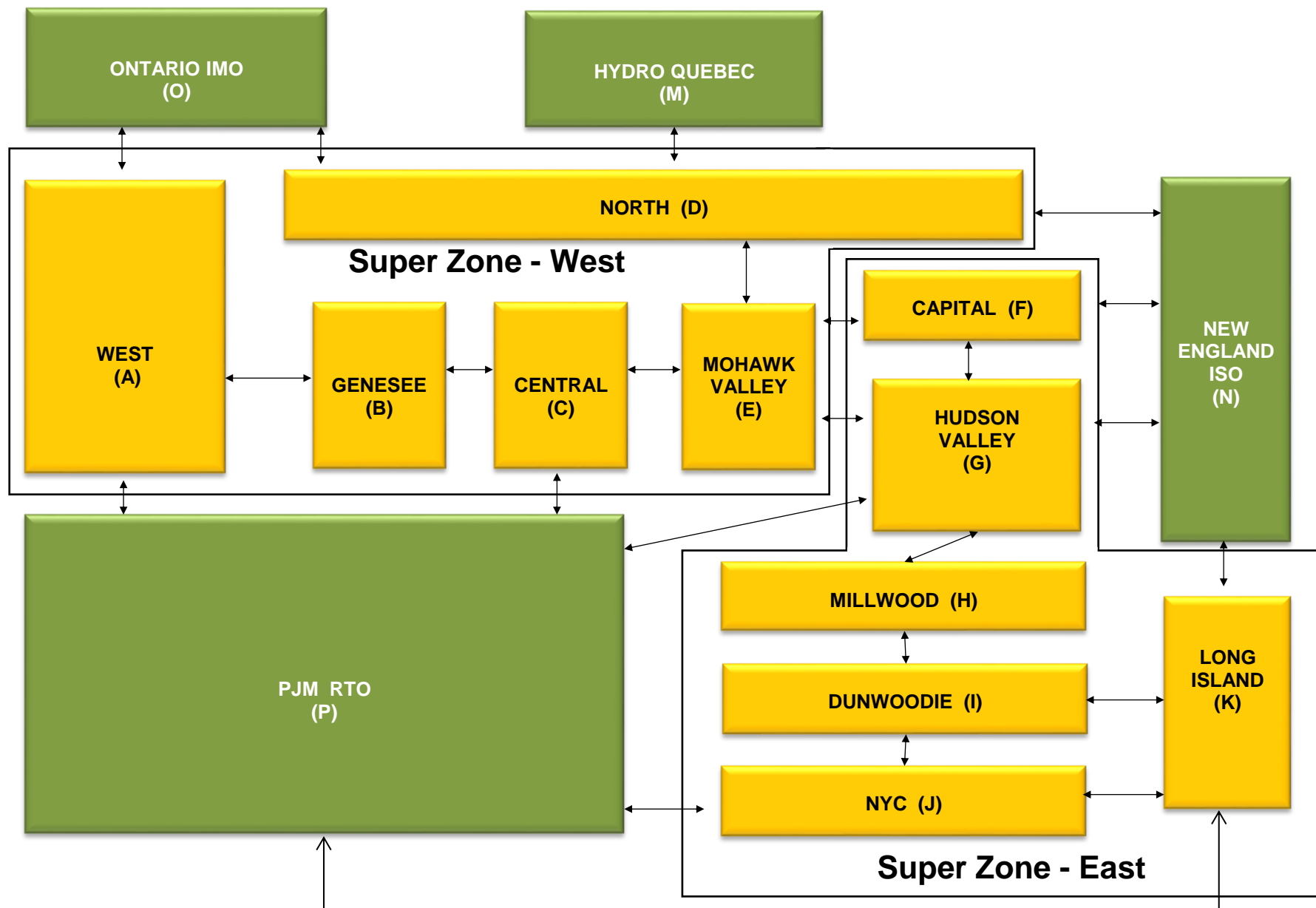
NYISO Average Daily DAM Load Bid Summary



Monthly Implied Heat Rate 2018-2019



NYISO LBMP ZONES



Billing Codes for Chart C

<u>Chart - C Category Name</u>	<u>Billing Code</u>	<u>Billing Category Name</u>
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	84001	EDRP/SCR Demand Response - Local
Bid Production Cost Guarantee DAM	84101	EDRP/SCR Demand Response - NYISO Wide
Bid Production Cost Guarantee DAM	81401	DAM Price Responsive Load Program
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 Balancing	83901	Margin Restoration (MOB) Revenue
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

The Mission of the New York Independent System Operator is to:

- Serve the public interest and
- Provide benefit to stakeholders by
 - Maintaining and enhancing regional reliability
 - Operating open, fair and competitive wholesale electricity markets
 - Planning the power system for the future
 - Providing factual information to policy makers, stakeholders and investors in the power system



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