MMUAC December 6, 2024 **IMM** 



- The total cost of wholesale power is the total cost per MWh of wholesale electricity in PJM markets.
- The total cost is an average cost.
- The costs of each component and subcomponent may vary by location and time period.
- The total costs are the sum of the total charges for the individual billing line items in each category divided by real time load, even when a specific category is not charged on that basis.

- The charges for the individual billing line items includes after the fact billing adjustments.
  - Adjustments are included in the month to which they apply, not the month they are charged.
- The total cost of wholesale power and the components of that cost are presented for informational purposes and should not be used to calculate the costs of any specific market activity in PJM.
- Recent modifications were made to the metric to capture all components of the total cost of wholesale power.

# **Legacy Table**

Category	2023 (Jan-Jun) \$/MWh	2023 (Jan-Jun) (\$ Millions)	2023 (Jan-Jun) Percent of Total	2024 (Jan-Jun) \$/MWh	2024 (Jan-Jun) (\$ Millions)	2024 (Jan-Jun) Percent of Total	Percent Change
Load Weighted Energy	\$29.33	\$10,603	55.1%	\$31.70	\$12,149	57.9%	8.1%
Capacity	\$5.14	\$1,858	9.7%	\$3.05	\$1,170	5.6%	(40.6%)
Capacity	\$5.03	\$1,817	9.4%	\$2.95	\$1,130	5.4%	(41.4%)
Capacity (FRR)	\$0.01	\$3	0.0%	\$0.02	\$9	0.0%	161.5%
Capacity (RMR)	\$0.10	\$37	0.2%	\$0.08	\$31	0.1%	(21.9%)
Transmission	\$16.97	\$6,134	31.9%	\$17.93	\$6,873	32.7%	5.7%
Transmission Service Charges	\$14.47	<b>\$</b> 5,230	27.2%	\$15.20	<b>\$</b> 5,825	27.8%	5.0%
Transmission Enhancement Cost Recovery	\$2.42	\$874	4.5%	\$2.64	\$1,012	4.8%	9.2%
Transmission Owner (Schedule 1A)	\$0.08	\$30	0.2%	\$0.09	\$36	0.2%	13.5%
Transmission Seams Elimination Cost Assignment (SECA)	\$0.00	\$0	0.0%	\$0.00	\$0	0.0%	0.0%
Transmission Facility Charges	\$0.00	\$0	0.0%	\$0.00	\$0	0.0%	0.0%
Ancillary	\$0.86	\$312	1.6%	\$0.94	\$360	1.7%	8.9%
Reactive	\$0.54	\$194	1.0%	\$0.50	\$193	0.9%	(5.8%)
Regulation	\$0.17	\$63	0.3%	\$0.22	\$86	0.4%	28.8%
Black Start	\$0.09	\$33	0.2%	\$0.09	\$35	0.2%	0.7%
Synchronized Reserves	\$0.06	\$20	0.1%	\$0.10	\$39	0.2%	83.5%
Secondary Reserves	\$0.00	\$0	0.0%	\$0.00	\$1	0.0%	216.3%
Non-Synchronized Reserves	\$0.00	\$1	0.0%	\$0.01	\$5	0.0%	234.4%
Day Ahead Scheduling Reserve (DASR)	\$0.00	\$0	0.0%	\$0.00	\$0	0.0%	0.0%
Administration	\$0.61	\$219	1.1%	\$0.68	\$259	1.2%	11.5%
PJM Administrative Fees	\$0.57	\$205	1.1%	\$0.63	\$243	1.2%	11.7%
NERC/RFC	\$0.04	\$14	0.1%	\$0.04	\$16	0.1%	8.7%
RTO Startup and Expansion	\$0.00	\$0	0.0%	\$0.00	\$0	0.0%	0.0%
Energy Uplift (Operating Reserves)	\$0.15	\$54	0.3%	\$0.44	\$168	0.8%	193.0%
Demand Response	\$0.18	\$64	0.3%	\$0.01	\$4	0.0%	(94.0%)
Load Response	\$0.01	\$3	0.0%	\$0.01	\$4	0.0%	11.6%
Emergency Load Response	\$0.17	\$61	0.3%	\$0.00	\$0	0.0%	(100.0%)
Emergency Energy	\$0.00	\$0	0.0%	\$0.00	\$0	0.0%	0.0%
Other	\$0.01	\$2	0.0%	\$0.01	\$3	0.0%	41.6%
Total Price	\$53.25	\$19,246	100.0%	\$54.76	\$20,986	100.0%	2.8%
Total Load (GWh)	361,468			383,266			6.0%
Total Cost (\$ Billions)	\$19.25			\$20.99			9.0%

# **Revised Table**

Emergy									
Energy									
Day Ahead Energy   \$31.58   \$19.053   59.6%   \$33.47   \$20,005   60.8%   6.0%	Category		<u> </u>	Percent of Total			Percent of Total	Percent Change	
Ballancing Energy	Energy							7.3%	
ARR Credits	Day Ahead Energy								
Set Scheduled FTR Credits         (9.37)         (\$211)         0.7%         \$0.34)         (\$3.22)         (1.0%)         45.7%           Baltancing Conpestion         \$0.38         \$217         0.7%         \$0.39         \$233         0.7%         \$0.00%         \$0.7%         \$0.7%         \$0.7%         \$0.7%         \$0.7%         \$0.7%         \$0.00	Balancing Energy	•							
Balancing Congestion \$0.38 \$217 0.7% \$0.39 \$233 0.7% 2.7% Enrogency Parety \$0.00 \$0 0.0% \$0.00 \$0 0.0% \$0.00 \$0 0.0% \$0.00 \$0 0.0% \$1.00 \$0 0.0% \$1.00 \$0 0.0% \$1.00 \$0 0.0% \$1.00 \$	ARR Credits	(\$1.49)	(\$850)	(2.8%)	(\$1.34)	(\$801)	(2.4%)	(9.8%)	
Emergency Energy								45.7%	
Inadvertent Energy	Balancing Congestion				\$0.39			2.7%	
Load Response - Energy \$0.01 \$5 0.0% \$0.01 \$8 0.0% 50.7% Emergency Load Response \$0.11 \$81 0.2% \$0.00 \$0 0.0% (100.0%) Emergy Uplift (Operating Reserves) \$0.20 \$117 0.4% \$0.36 \$217 0.7% 76.1% Marginal Loss Supplus Allocation \$0.556 (\$3.19) (1.1%) \$0.045 (\$27.00 0.0%) (190.9%) Market to Market Payments \$0.08 \$44 0.1% \$0.05 \$32 0.1% (293.7%) Capacity Market and FRR) \$4.91 \$2,809 9.3% \$3.55 \$2,120 6.4% (27.8%) Capacity (Capacity Market and FRR) \$4.01 \$2,752 9.1% \$3.45 \$2,064 6.3% (28.3%) Capacity Part V (RMR) \$0.05 \$3.2 0.1% (29.3%) Capacity Part V (RMR) \$0.00 \$77 0.2% \$0.08 \$48 0.1% (19.8%) Capacity Part V (RMR) \$0.00	Emergency Energy	\$0.00	\$0	0.0%	\$0.00	\$0	0.0%	0.0%	
Emergy Upfit (Operating Reserves) \$0.11 \$61 0.2% \$0.00 \$0 0.0% (100.0%) Energy Upfit (Operating Reserves) \$0.20 \$117 0.4% \$0.36 \$217 0.7% 78.1% Marginal Loss Surplus Allocation \$0.56) \$3.39 (1.1%) \$0.45 \$270 0.8% (19.0%) Market to Market Payments \$0.08 \$44 0.1% \$0.05 \$22 0.1% (29.7%) Capacity Market and FRR) \$4.41 \$2,809 9.3% \$3.55 \$2,102 6.4% (27.8%) Capacity Market and FRR) \$4.81 \$2,752 9.1% \$3.45 \$2,064 6.3% (28.3%) Load Response - Capacity \$0.00 \$0.00 \$0.00% \$1.01 \$8 0.00 \$1.08 \$4.00 \$1.08 \$1.00	Inadvertent Energy	\$0.01		0.0%	\$0.02	\$9	0.0%	184.8%	
Energy Uplift (Operating Reserves)	Load Response - Energy	\$0.01	\$5	0.0%	\$0.01	\$8	0.0%	50.7%	
Marginal Loss Surplus Allocation         (80.56)         (\$3.19)         (1.1%)         \$0.45)         \$2.70)         0.8%)         (1.9%)           Capacity         34.91         \$2,809         9.3%         \$3.55         \$2,120         6.4%         (27.78%)           Capacity (Capacity Market and FRR)         \$4.81         \$2,752         9.1%         \$3.45         \$2,064         6.5%         (28.3%)           Capacity Part V (RIMR)         \$0.10         \$5.7         0.2%         \$0.08         \$48         0.1%         (19.8%)           Load Response - Capacity         \$0.00         \$0	Emergency Load Response	\$0.11	\$61	0.2%	\$0.00	\$0	0.0%	(100.0%)	
Market to Market Payments	Energy Uplift (Operating Reserves)	\$0.20	\$117	0.4%	\$0.36	\$217	0.7%	78.1%	
Capacity         \$4.91         \$2,809         9.3%         \$3.55         \$2,120         6.4%         (27.8%)           Capacity (Capacity Market and FRR)         \$4.81         \$2,752         9.1%         \$3.45         \$2,064         6.3%         (28.9%)           Capacity Part V (RMR)         \$0.10         \$57         0.2%         \$0.08         \$48         0.1%         (19.8%)           Load Response - Capacity         \$0.00         \$0         0.0%         \$0.01         \$8         0.0%         2.983 6%           Transmission Service Charges         \$16.30         \$9,316         30.7%         \$17.36         \$10,379         31.5%         6.5%           Transmission Service Charges         \$13.391         \$7,950         26.2%         \$14.74         \$8,008         25.8%         6.0%           Transmission Diverse (Chedule 1A)         \$0.08         \$48         0.02%         \$0.09         \$55         0.2%         11.2%           Transmission Seams Elimination Cost Assignment (SECA)         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0% <t< td=""><td>Marginal Loss Surplus Allocation</td><td>(\$0.56)</td><td>(\$319)</td><td>(1.1%)</td><td>(\$0.45)</td><td>(\$270)</td><td>(0.8%)</td><td>(19.0%)</td></t<>	Marginal Loss Surplus Allocation	(\$0.56)	(\$319)	(1.1%)	(\$0.45)	(\$270)	(0.8%)	(19.0%)	
Capacity (Capacity Market and FRR) \$4.81 \$2,752 9.1% \$3.45 \$2,064 6.3% (28.3%) Capacity Part V (RMR) \$0.10 \$57 0.2% \$0.08 \$48 0.1% (19.8%) Capacity Part V (RMR) \$0.10 \$57 0.2% \$0.08 \$48 0.1% (19.8%) Capacity Part V (RMR) \$0.00 \$0.00 \$0.00% \$0.01 \$8 0.0% (29.89.6%	Market to Market Payments	\$0.08	\$44	0.1%	\$0.05	\$32	0.1%	(29.7%)	
Capacity Part V (RMR)         \$0.10         \$57         0.2%         \$0.08         \$48         0.1%         (19.8%)           Load Response - Capacity         \$0.00         \$0         0.0%         \$0.01         \$8         0.0%         2,983.6%           Transmission         \$16.00         \$9,316         30.7%         \$17.36         \$10,379         31.5%         6,55%           Transmission Service Charges         \$13.91         \$7,950         26.2%         \$14.74         \$8,808         26.8%         6.0%           Transmission Enhancement Cost Recovery         \$2.31         \$1,319         4.4%         \$2.53         \$1,515         4.6%         9.9%           Transmission Owner (Schedule 1A)         \$0.08         \$48         0.2%         \$0.09         \$55         0.2%         \$1.2%           Transmission Facility Charges         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%<	Capacity	\$4.91	\$2,809	9.3%	\$3.55	\$2,120	6.4%	(27.8%)	
Load Response - Capacity   \$0.00   \$0   0.0%   \$0.01   \$8   0.0%   2,989.6%	Capacity (Capacity Market and FRR)	\$4.81	\$2,752	9.1%	\$3.45	\$2,064	6.3%	(28.3%)	
Transmission         \$16.30         \$9,316         30.7%         \$17.36         \$10,379         31.5%         6.5%           Transmission Service Charges         \$13.91         \$7,950         26.2%         \$14.74         \$6,808         26.8%         6.0%           Transmission Enhancement Cost Recovery         \$2.31         \$1,319         4.4%         \$2.53         \$1,515         4.6%         9.9%           Transmission Owner (Schedule 1A)         \$0.08         \$48         0.2%         \$0.09         \$55         0.2%         11.2%           Transmission Seams Elimination Cost Assignment (SECA)         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%	Capacity Part V (RMR)	\$0.10	\$57	0.2%	\$0.08	\$48	0.1%	(19.8%)	
Transmission         \$16.30         \$9,316         30.7%         \$17.36         \$10,379         31.5%         6.5%           Transmission Service Charges         \$13.91         \$7,950         26.2%         \$14.74         \$8,008         26.8%         6.0%           Transmission Denarement Cost Recovery         \$2.31         \$1,319         4.4%         \$2.53         \$1,515         4.6%         9.9%           Transmission Owner (Schedule 1A)         \$0.08         \$48         0.2%         \$0.09         \$55         0.2%         11.2%           Transmission Facility Charges         \$0.00         \$0         0.0%         \$0.00         \$0         0.0% <td< td=""><td>Load Response - Capacity</td><td>\$0.00</td><td>\$0</td><td>0.0%</td><td>\$0.01</td><td>\$8</td><td>0.0%</td><td>2,989.6%</td></td<>	Load Response - Capacity	\$0.00	\$0	0.0%	\$0.01	\$8	0.0%	2,989.6%	
Transmission Enhancement Cost Recovery         \$2.31         \$1,319         4.4%         \$2.53         \$1,515         4.6%         9.9%           Transmission Owner (Schedule 1A)         \$0.08         \$48         0.2%         \$0.09         \$55         0.2%         11.2%           Transmission Seams Elimination Cost Assignment (SECA)         \$0.00         \$0         0.0%         \$0.00         \$0         0.0% <td< td=""><td></td><td>\$16.30</td><td>\$9,316</td><td>30.7%</td><td>\$17.36</td><td>\$10,379</td><td>31.5%</td><td>6.5%</td></td<>		\$16.30	\$9,316	30.7%	\$17.36	\$10,379	31.5%	6.5%	
Transmission Enhancement Cost Recovery         \$2.31         \$1,319         4.4%         \$2.53         \$1,515         4.6%         9.9%           Transmission Owner (Schedule 1A)         \$0.08         \$48         0.2%         \$0.09         \$55         0.2%         11.2%           Transmission Seams Elimination Cost Assignment (SECA)         \$0.00         \$0         0.0%         \$0.00         \$0         0.0% <td< td=""><td>Transmission Service Charges</td><td>\$13.91</td><td>\$7,950</td><td>26.2%</td><td>\$14.74</td><td>\$8,808</td><td>26.8%</td><td>6.0%</td></td<>	Transmission Service Charges	\$13.91	\$7,950	26.2%	\$14.74	\$8,808	26.8%	6.0%	
Transmission Owner (Schedule 1A)         \$0.08         \$48         0.2%         \$0.09         \$55         0.2%         11.2%           Transmission Seams Elimination Cost Assignment (SECA)         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%		\$2.31			\$2.53		4.6%	9.9%	
Transmission Facility Charges         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         0.0%           Ancillary         \$0.85         \$483         1.6%         \$0.91         \$547         1.7%         8.1%           Reactive         \$0.51         \$292         1.0%         \$0.48         \$286         0.9%         (6.2%)           Regulation         \$0.17         \$99         0.3%         \$0.23         \$137         0.4%         31.4%           Black Start         \$0.09         \$50         0.2%         \$0.09         \$55         0.2%         5.3%           Synchronized Reserves         \$0.07         \$37         0.1%         \$0.10         \$59         0.2%         5.0%           Secondary Reserves         \$0.00         \$1         0.0%         \$0.00         \$2         0.0%         80.8%           Non-Synchronized Reserves         \$0.01         \$4         0.0%         \$0.01         \$8         0.0%         92.6%           Day Ahead Scheduling Reserve (DASR)         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%	Transmission Owner (Schedule 1A)	\$0.08		0.2%	\$0.09		0.2%	11.2%	
Transmission Facility Charges         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         0.0%           Ancillary         \$0.85         \$483         1.6%         \$0.91         \$547         1.7%         8.1%           Reactive         \$0.51         \$292         1.0%         \$0.48         \$286         0.9%         (6.2%)           Regulation         \$0.17         \$99         0.3%         \$0.23         \$137         0.4%         31.4%           Black Start         \$0.09         \$50         0.2%         \$0.09         \$55         0.2%         5.3%           Synchronized Reserves         \$0.07         \$37         0.1%         \$0.10         \$59         0.2%         5.0%           Secondary Reserves         \$0.00         \$1         0.0%         \$0.00         \$2         0.0%         80.8%           Non-Synchronized Reserves         \$0.01         \$4         0.0%         \$0.01         \$8         0.0%         92.6%           Day Ahead Scheduling Reserve (DASR)         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%	Transmission Seams Elimination Cost Assignment (SECA)	\$0.00	\$0	0.0%	\$0.00	\$0	0.0%	0.0%	
Andillary         \$0.85         \$483         1.6%         \$0.91         \$547         1.7%         8.1%           Reactive         \$0.51         \$292         1.0%         \$0.48         \$266         0.9%         62.2%           Regulation         \$0.17         \$99         0.3%         \$0.23         \$137         0.4%         31.4%           Black Start         \$0.09         \$50         0.2%         \$0.09         \$55         0.2%         5.3%           Synchronized Reserves         \$0.07         \$37         0.1%         \$0.10         \$59         0.2%         50.9%           Secondary Reserves         \$0.00         \$1         0.0%         \$0.00         \$2         0.0%         80.8%           Non-Synchronized Reserves         \$0.00         \$1         0.0%         \$0.00         \$2         0.0%         80.8%           Day Ahead Scheduling Reserve (DASR)         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00					\$0.00		0.0%	0.0%	
Reactive         \$0.51         \$292         1.0%         \$0.48         \$286         0.9%         \$6.2%)           Regulation         \$0.17         \$99         0.3%         \$0.23         \$137         0.4%         31.4%           Black Start         \$0.09         \$50         0.2%         \$0.09         \$55         0.2%         5.3%           Synchronized Reserves         \$0.07         \$37         0.1%         \$0.10         \$59         0.2%         \$0.9%           Secondary Reserves         \$0.00         \$1         0.0%         \$0.00         \$2         0.0%         80.8%           Non-Synchronized Reserves         \$0.01         \$4         0.0%         \$0.01         \$8         0.0%         80.8%           Non-Synchronized Reserves         \$0.01         \$4         0.0%         \$0.01         \$8         0.0%         80.8%           Non-Synchronized Reserves         \$0.00         \$0         0.0%         \$0.01         \$8         0.0%         \$0.8%           Non-Synchronized Reserves         \$0.00         \$0         0.0%         \$0.01         \$8         0.0%         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00         \$0.00		\$0.85	\$483	1.6%	\$0.91	\$547	1.7%	8.1%	
Regulation         \$0.17         \$99         0.3%         \$0.23         \$137         0.4%         31.4%           Black Start         \$0.09         \$50         0.2%         \$0.09         \$55         0.2%         5.3%           Synchronized Reserves         \$0.07         \$37         0.1%         \$0.10         \$59         0.2%         50.9%           Secondary Reserves         \$0.00         \$1         0.0%         \$0.00         \$2         0.0%         80.8%           Non-Synchronized Reserves         \$0.01         \$4         0.0%         \$0.01         \$8         0.0%         92.6%           Day Ahread Scheduling Reserve (DASR)         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         90.00         \$0         0.0%         90.00         \$0         0.0%         90.00         \$0         0.0%         90.00         \$0         0.0%         90.00         \$0         0.0%         90.00         \$0         0.0%         90.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         \$0.00	·							(6.2%)	
Black Start								31.4%	
Synchronized Reserves         \$0.07         \$37         0.1%         \$0.10         \$59         0.2%         50.9%           Secondary Reserves         \$0.00         \$1         0.0%         \$0.00         \$2         0.0%         80.8%           Non-Synchronized Reserves         \$0.01         \$4         0.0%         \$0.01         \$8         0.0%         92.6%           Day Ahead Scheduling Reserve (DASR)         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%		•	•						
Secondary Reserves         \$0.00         \$1         0.0%         \$0.00         \$2         0.0%         80.8%           Non-Synchronized Reserves         \$0.01         \$4         0.0%         \$0.01         \$8         0.0%         92.6%           Day Ahead Scheduling Reserve (DASR)         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         10.7%         10.8%         10.8%         10.8%         10.8%         10.8%         10.8%         10.8%         10.9%         10.0%         10.0%         10.0%         10.0%         10.0%         10.0% </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>50.9%</td>								50.9%	
Non-Synchronized Reserves   \$0.01								80.8%	
Day Ahead Scheduling Reserve (DASR)         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         10.7%         10.7%         10.7%         10.7%         10.7%         10.7%         10.7%         10.7%         10.7%         10.7%         10.7%         10.7%         10.7%         10.7%         10.7%         10.7%         10.7%         10.7%         10.7%         10.8%         10.0%         \$0.61         \$364         1.1%         10.8%         10.8%         10.0%         \$0.01         \$2         0.1%         \$0.04         \$25         0.1%         8.8%         8.8%         8.0%         \$0.00         \$0.00         \$0.0%         \$0.00         \$0.0%         \$0.0%         \$0.00         \$0.0%         \$0.0									
Administration         \$0.59         \$3.40         1.1%         \$0.66         \$393         1.2%         10.7%           PJM Administrative Fees         \$0.55         \$314         1.0%         \$0.61         \$364         1.1%         10.8%           NERC/RFC         \$0.04         \$22         0.1%         \$0.04         \$25         0.1%         8.8%           RTO Startup and Expansion         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         7.4%           Other         \$0.01         \$4         0.0%         \$0.01         \$5         0.0%         7.4%           Total Price         \$53.02         \$30,313         100.0%         \$55.06         \$32,915         100.0%         3.8%           Total Day Ahead Load         567,278         591,116         \$0.667         \$0.8%         \$0.8%         \$0.8%         \$0.8%         \$0.8%         \$0.8%         \$0.8%         \$0.8%         \$0.8%         \$0.8%         \$0.8%         \$0.8%         \$0.0%         \$0.0%         \$0.0%         \$0.0%         \$0.0%         \$0.0%         \$0.0%         \$0.0%         \$0.0%         \$0.0%         \$0.0%         \$0.0%						\$0			
PJM Administrative Fees         \$0.55         \$314         1.0%         \$0.61         \$364         1.1%         10.8%           NERC/RFC         \$0.04         \$22         0.1%         \$0.04         \$25         0.1%         8.8%           RTO Startup and Expansion Other         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         0.00         \$0         0.0%         0.0%         \$0.00         \$0         0.0%         0.0%         7.4%         0.0%         \$0.01         \$5         0.0%         7.4%         0.0%         7.4%         0.0%         \$0.01         \$5         0.0%         7.4%         0.0%         \$0.01         \$5         0.0%         7.4%         0.0%         \$0.00         \$0.0%         \$0.0%         7.4%         0.0%         \$0.00         \$0.0%         7.4%         0.0%         \$0.0%         \$0.0%         \$0.0%         7.4%         0.0%         \$0.0%	Administration		\$340	1.1%	\$0.66	\$393	1.2%	10.7%	
NERC/RFC RTO Startup and Expansion Other         \$0.04 \$0.00         \$22 \$0.0%         \$0.04 \$0.00         \$0.00 \$0.00	PJM Administrative Fees								
RTO Startup and Expansion Other         \$0.00         \$0         0.0%         \$0.00         \$0         0.0%         0.0%         0.00         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         0.0%         7.4%           Total Price         \$53.02         \$30,313         100.0%         \$55.06         \$32,915         100.0%         3.8%           Total Day Ahead Load         567,278         591,116         \$50,00%         4.2%           Total Balancing Load         (4,421)         (6,667)         50.8%           Total Real Time Load         571,700         597,782         4.6%		•			•				
Other         \$0.01         \$4         0.0%         \$0.01         \$5         0.0%         7.4%           Total Price         \$53.02         \$30,313         100.0%         \$55.06         \$32,915         100.0%         3.8%           Total Day Ahead Load         567,278         591,116         4.2%           Total Balancing Load         (4,421)         (6,667)         50.8%           Total Real Time Load         571,700         597,782         4.6%		•			•				
Total Price         \$53.02         \$30,313         100.0%         \$55.06         \$32,915         100.0%         3.8%           Total Day Ahead Load         567,278         591,116         4.2%         4.2%         56,687)         50.8%									
Total Day Ahead Load         567,278         591,116         4.2%           Total Balancing Load         (4,421)         (6,667)         50.8%           Total Real Time Load         571,700         597,782         4.6%						*-			
Total Balancing Load         (4,421)         (6,667)         50.8%           Total Real Time Load         571,700         597,782         4.6%			400,010	100.070		402,410	100.070		
<u>Total Real Time Load</u> 571,700 597,782 4.6%	· · · · · · · · · · · · · · · · · · ·								
	-								
	Total Cost (\$ Billions)							8.6%	

# **Energy**

## Legacy

#### Category

Load Weighted Energy

### Revised

### Category

#### Energy

Day Ahead Energy

Balancing Energy

ARR Credits

Self Scheduled FTR Credits

Balancing Congestion

**Emergency Energy** 

Inadvertent Energy

Load Response - Energy

Emergency Load Response

Energy Uplift (Operating Reserves)

Marginal Loss Surplus Allocation

Market to Market Payments



# **Capacity**

# Legacy

#### Category

Capacity

Capacity

Capacity (FRR)

Capacity (RMR)

### Revised

### Category

Capacity

Capacity (Capacity Market and FRR)

Capacity Part V (RMR)

Load Response - Capacity



## **Transmission**

## Legacy

#### Category

Transmission.

Transmission Service Charges

Transmission Enhancement Cost Recovery

Transmission Owner (Schedule 1A)

Transmission Seams Elimination Cost Assignment (SECA)

Transmission Facility Charges

### Revised

#### Category

Transmission

Transmission Service Charges

Transmission Enhancement Cost Recovery

Transmission Owner (Schedule 1A)

Transmission Seams Elimination Cost Assignment (SECA)

Transmission Facility Charges



# **Ancillary**

## Legacy

#### Category

Ancillary

Reactive

Regulation

Black Start

Synchronized Reserves

Secondary Reserves

Non-Synchronized Reserves

Day Ahead Scheduling Reserve (DASR)

### Revised

#### Category

Ancillary

Reactive

Regulation

Black Start

Synchronized Reserves

Secondary Reserves

Non-Synchronized Reserves

Day Ahead Scheduling Reserve (DASR)



# **Administration**

# Legacy

#### Category

**Administration** 

PJM Administrative Fees

NERC/RFC

RTO Startup and Expansion

### Revised

#### Category

Administration

PJM Administrative Fees

NERC/RFC

RTO Startup and Expansion

Other



# Other

# Legacy

#### Category

Energy Uplift (Operating Reserves)

Demand Response

Load Response

**Emergency Load Response** 

**Emergency Energy** 

Other

### Revised



- Calculation Documentation:
  - https://www.monitoringanalytics.com/data/docs/IMM\_Tot al\_Price\_Calculation\_Documentation\_20241011.pdf
- Monthly Totals:
  - https://www.monitoringanalytics.com/data/pjm\_price.sht ml
- Quarterly Totals:
  - Presented in Quarterly State of the Market Reports
- Monthly Year to Date Totals:
  - When Possible, year to date totals will be presented at the MC Webinar

Monitoring Analytics, LLC
2621 Van Buren Avenue
Suite 160
Eagleville, PA
19403
(610) 271-8050

MA@monitoringanalytics.com www.MonitoringAnalytics.com

