

Uplift Statistics

MIC

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Monitoring Analytics

Total Uplift

| Category | 2022 Charges (Millions) | (Jan - Jun) 2023 Charges (Millions) |
|---|----------------------------|--|
| Day-Ahead Operating Reserves | \$58.8 | \$8.2 |
| Balancing Operating Reserves | \$229.1 | \$45.7 |
| Reactive Services | \$1.5 | \$0.4 |
| Synchronous Condensing | \$0.0 | \$0.0 |
| Black Start Services | \$0.5 | \$0.2 |
| Total | \$289.9 | \$54.6 |
| Energy Uplift as a Percent of Total PJM Billing | 0.3% | 0.2% |

- **Balancing operating reserve charges (BOR) are 80 percent of all uplift charges from Jan 2022 through Jun 2023.**

Balancing Operating Reserves

| Category | 2022 Credits (Millions) | (Jan - Jun) 2023 Credits (Millions) |
|---|----------------------------|--|
| Balancing Generator Credits | \$181.6 | \$37.0 |
| Local Constraints Control | \$3.2 | \$0.5 |
| Lost Opportunity Cost | \$39.8 | \$7.9 |
| Dispatch Differential Lost Opportunity Cost | \$4.5 | \$0.3 |
| Balancing Operating Reserve Credits | \$229.1 | \$45.7 |

- **Balancing generator credits (make whole) are 63 percent of all BOR credits from Jan 2022 through Jun 2023.**

Uplift by Unit Type

| Unit Type | 2022 Credits (Millions) | (Jan - Jun) 2023 Credits (Millions) |
|--------------------|----------------------------|--|
| Combined Cycle | \$33.7 | \$2.1 |
| Combustion Turbine | \$174.5 | \$38.4 |
| Diesel | \$3.1 | \$1.9 |
| Hydro | \$1.1 | \$0.0 |
| Nuclear | \$0.0 | \$0.0 |
| Solar | \$0.1 | \$0.0 |
| Steam - Coal | \$35.2 | \$8.2 |
| Steam - Other | \$39.8 | \$3.5 |
| Wind | \$2.5 | \$0.5 |
| Total | \$289.9 | \$54.6 |

- **Uplift to CTs are 62 percent of all uplift from Jan 2022 through Jun 2023.**

Uplift Rates

| | | Average Rates Charged (\$/MWh) | | |
|--------|-------------|--------------------------------|----------------|---------|
| Region | Transaction | 2022 | Jan - Jun 2023 | Average |
| East | INC | 0.533 | 0.146 | 0.339 |
| | DEC/UTC | 0.595 | 0.163 | 0.379 |
| | DA Load | 0.062 | 0.016 | 0.039 |
| | RT Load | 0.115 | 0.060 | 0.088 |
| | Deviation | 0.533 | 0.146 | 0.339 |
| West | INC | 0.409 | 0.109 | 0.259 |
| | DEC/UTC | 0.471 | 0.126 | 0.298 |
| | DA Load | 0.062 | 0.016 | 0.039 |
| | RT Load | 0.092 | 0.044 | 0.068 |
| | Deviation | 0.409 | 0.109 | 0.259 |

- **For load, effective rates depend on level of deviations between DA and RT. For example, load in the Eastern Region that deviates:**
 - **By 10 percent, paid \$0.16/MWh, on average.**
 - **By 20 percent, paid \$0.19/MWh, on average.**

State of the Market Report

- For more statistics related to uplift credits and charges, and issues raised by the IMM, please refer to the PJM State of the Market reports:
 - [2022 Annual Report](#)
 - [2023 Q2 Report](#)



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