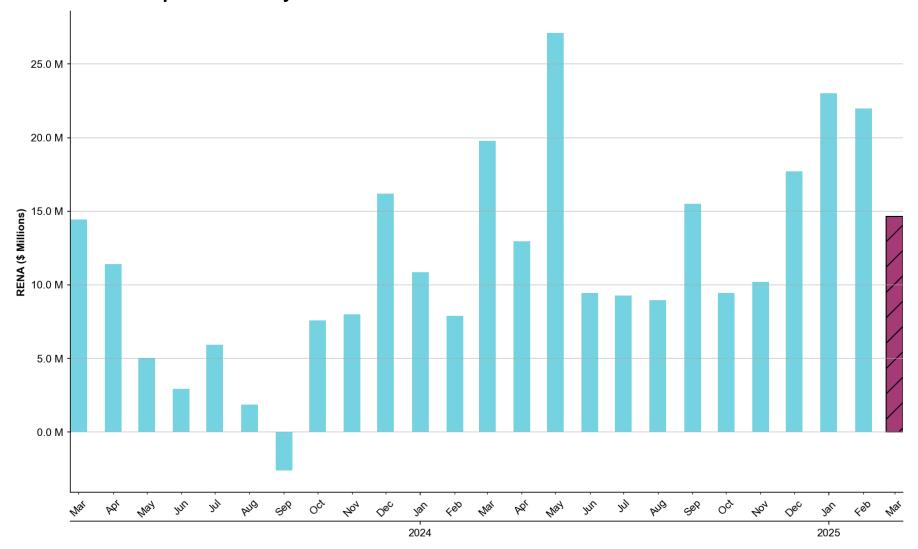
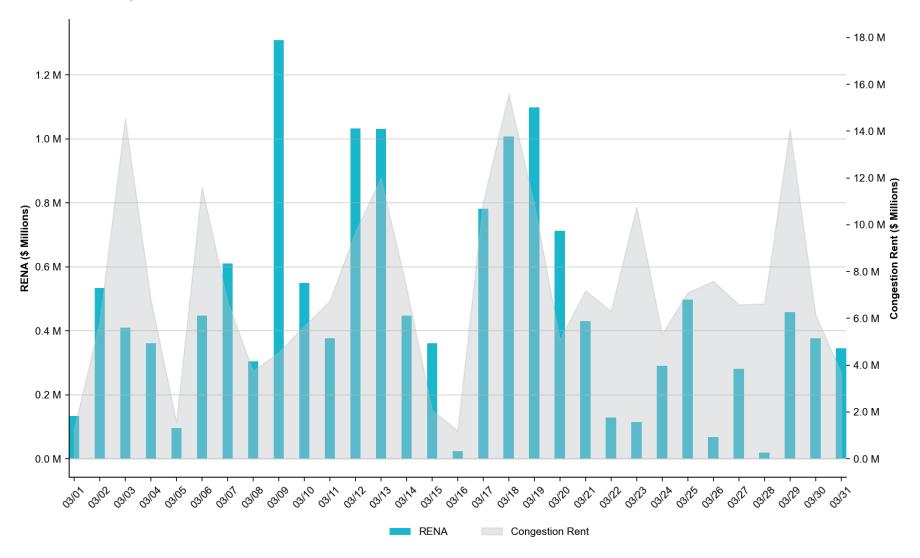
## Historical Monthly RENA Totals

The total RENA in March of \$14.64M represents the 72nd percentile compared to the monthly RENA totals across the previous two years.



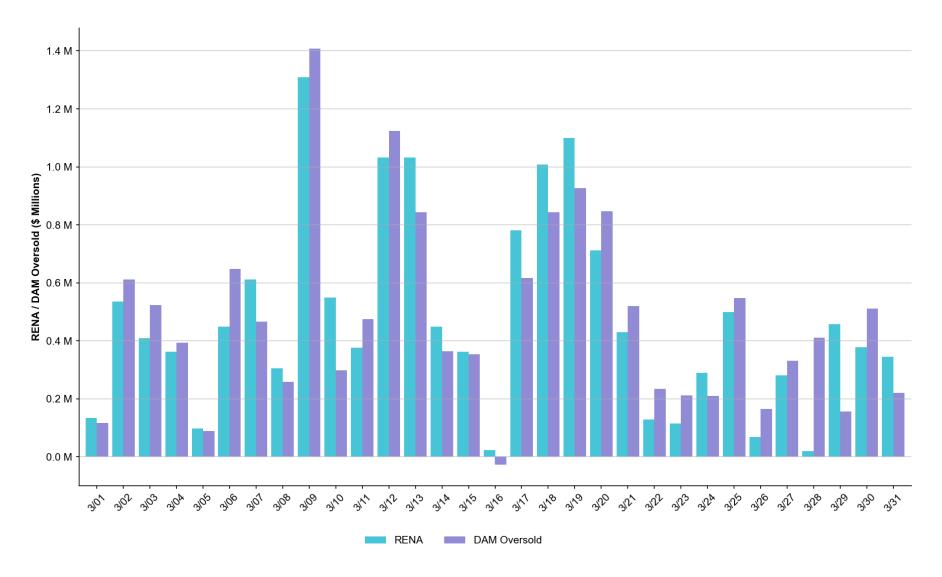
## Daily RENA vs. Real-Time Congestion Rent

The total RENA in March was approximately \$14.64M, while the total Real-Time congestion rent accrued amounted to \$225.32M.



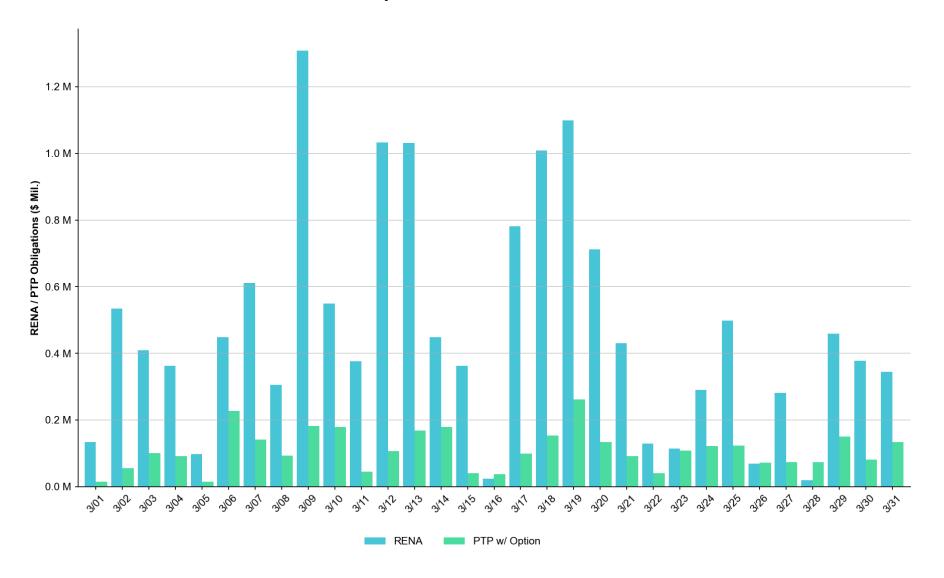
## Daily RENA vs. estimated DAM Oversold

The total estimated DAM oversold in March was approximately \$14.69M.



# Daily RENA vs. PTP w/ Links to Options

The estimated sum of PTPs w/ Links to Options in March totaled \$3.38M.



### **Analysis**

### **Operating Days with RENA exceeding \$1 million**

OPERATING DAY	RENA	RT CONGESTION RENT	DAM OVERSOLD	PTP W/ OPTION
March-09	\$1.31M	\$4.54M	\$1.41M	\$0.18M

#### **NOTES:**

- DAM Oversold on an RTM constraint: The constraint MFOAVLO5: CATARI\_PILONC1\_1 (LZ\_SOUTH) contributed ca. \$0.45M toward RENA, primarily attributable to PST tap differences between DAM and RTM.
- DAM Oversold on an RTM constraint: The constraint DBAKCED5: HARGRO\_TWINBU1\_1 (LZ\_WEST) contributed ca. \$0.35M toward RENA, attributable to a PST tap discrepancy between DAM and RTM and PUN LDF discrepancies between RTM and DAM.

OPERATING DAY	RENA	RT CONGESTION RENT	DAM OVERSOLD	PTP W/ OPTION
March-19	\$1.10M	\$10.87M	\$0.93M	\$0.26M

#### **NOTES:**

- DAM Oversold on an RTM constraint: The constraint DWLFMET5: 6520\_\_E (LZ\_WEST) contributed ca. \$0.4M toward RENA, attributable to a PST tap and PUN LDF discrepancies between RTM and DAM.
- DAM Oversold on an RTM constraint: The constraint DCPSMBD5: 6005\_\_A (LZ\_NORTH) contributed ca. \$0.1M toward RENA, primarily attributable to a PUN LDF discrepancy between RTM and DAM.

OPERATING DAY	RENA	RT CONGESTION RENT	DAM OVERSOLD	PTP W/ OPTION
March-12	\$1.03M	\$9.68M	\$1.12M	\$0.11M

#### NOTES:

- DAM Oversold on an RTM constraint: The constraint DMOSME25: 6345\_\_I (LZ\_WEST) contributed ca. \$0.4M toward RENA, attributable to a PST tap and PUN LDF discrepancies between RTM and DAM
- DAM Oversold on an RTM constraint: The constraint SOKLABM5: ABINDU\_MULBER1\_1 (LZ\_WEST) contributed ca. \$0.25M toward RENA, attributable to an outage modelling discrepancy between DAM and RTM.

OPERATING DAY	RENA	RT CONGESTION RENT	DAM OVERSOLD	PTP W/ OPTION
March-13	\$1.03M	\$12.00M	\$0.84M	\$0.17M

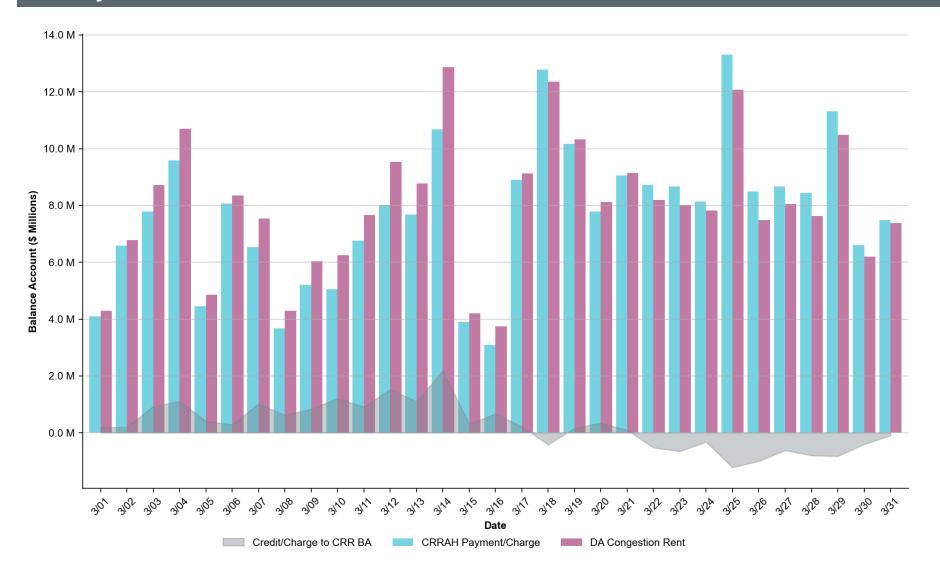
#### **NOTES:**

DAM Oversold on an RTM constraint: The constraint SOKLABM5: ABINDU\_MULBER1\_1 (LZ\_WEST) contributed ca. \$0.25M toward RENA, attributable to an outage modelling discrepancy between DAM and RTM.

### Summary

- The monthly RENA observed in March totaled \$14.64M, which can be considered high based on the monthly totals observed over the past two years.
  - Daily RENA totals exceeded \$1 Million on 5 Operating Days.
  - The overwhelming share of the RENA accrued was related to constraints "oversold" in DAM, which can generally be attributed to model topology differences between DAM and RTM, forced/planned outages in RTM not captured in DAM, LDF, PST and/or RAS modeling.
- The highest RENA observed in March was on OD 03/09 with \$1.31M, which was primarily related to PST tap and PUN LDF discrepancies between RTM and DAM.
- PTP w/ links to options in March totaled \$3.38M, which was lower than the previous month, but moderate based on monthly totals over the past year. The highest daily contribution of ca. \$0.3M was observed on OD 03/19.
- The remainder of RENA was related to differences between the Congestion Rent accrued in SCED and the amount collected in Settlement.

# Monthly CRR Balance Account



### **Abbreviations**

**CRR** Congestion Revenue Rights

**CRRAH** Congestion Revenue Rights' Account Holders

**CRRBA** Congestion Revenue Rights' Balance Account

**OD** Operating Day

PTP Point-to-Point

**RENA** Revenue Neutrality Allocation Uplift