

**GRAND RAPIDS
PUBLIC UTILITIES**

Service is Our Nature

500 SE Fourth Street • Grand Rapids, Minnesota 55744

ELECTRIC DEPARTMENT MONTHLY REPORT Sept 2024 Commission Meeting

Electric Load Graph Last Month

The NEMMPA gross peak was set on 8/26. MP and GRPU successfully shaved the peak with a net reduction of 230 kW. The lower reduction was due to a forced outage on the battery from a fault occurring before the scheduled event began, causing the battery to lose charge. The fault was cleared by CAT prior to the peak event, but the battery was not charged enough for full output.

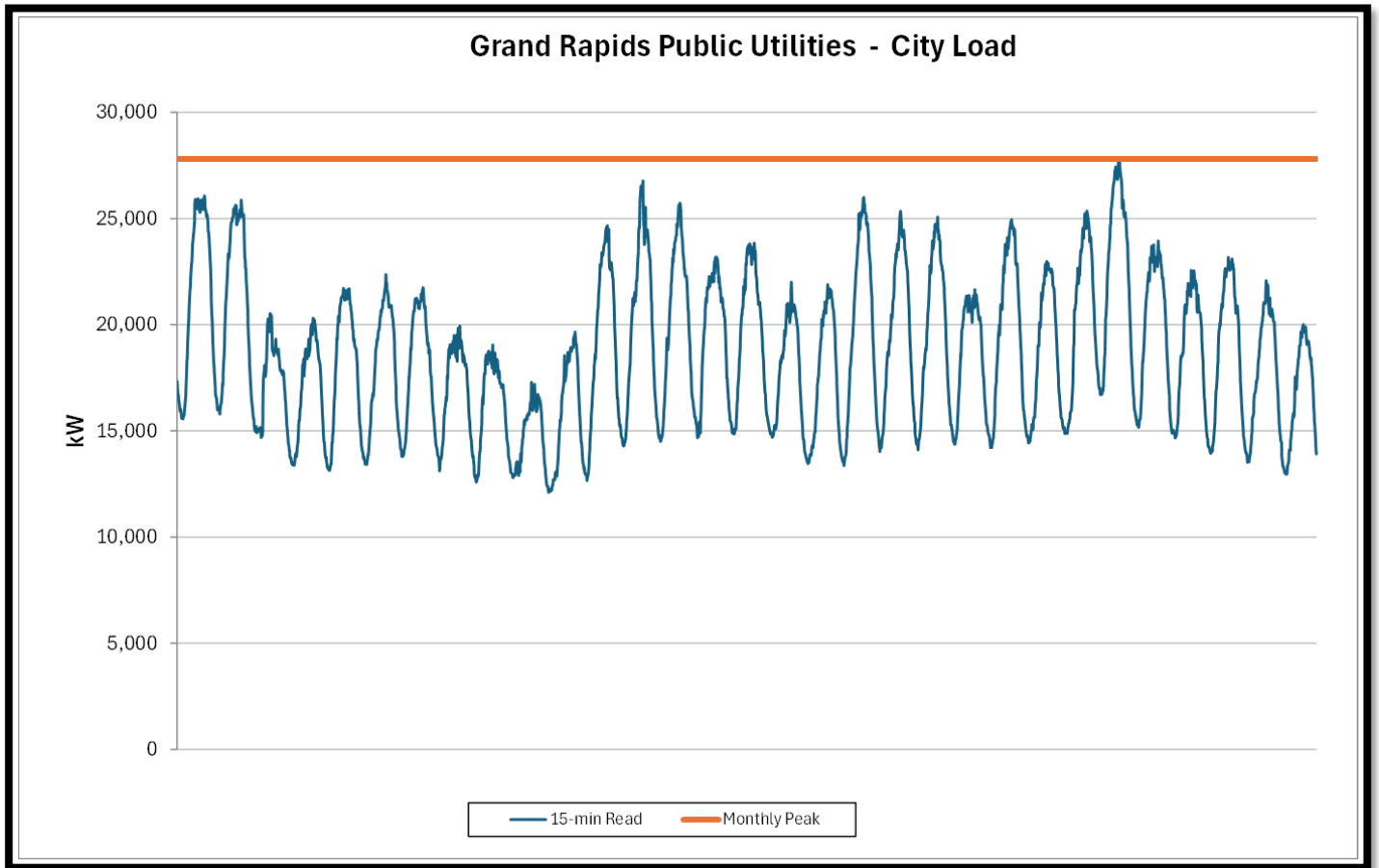


Figure 1: 27,798 kW GR Peak

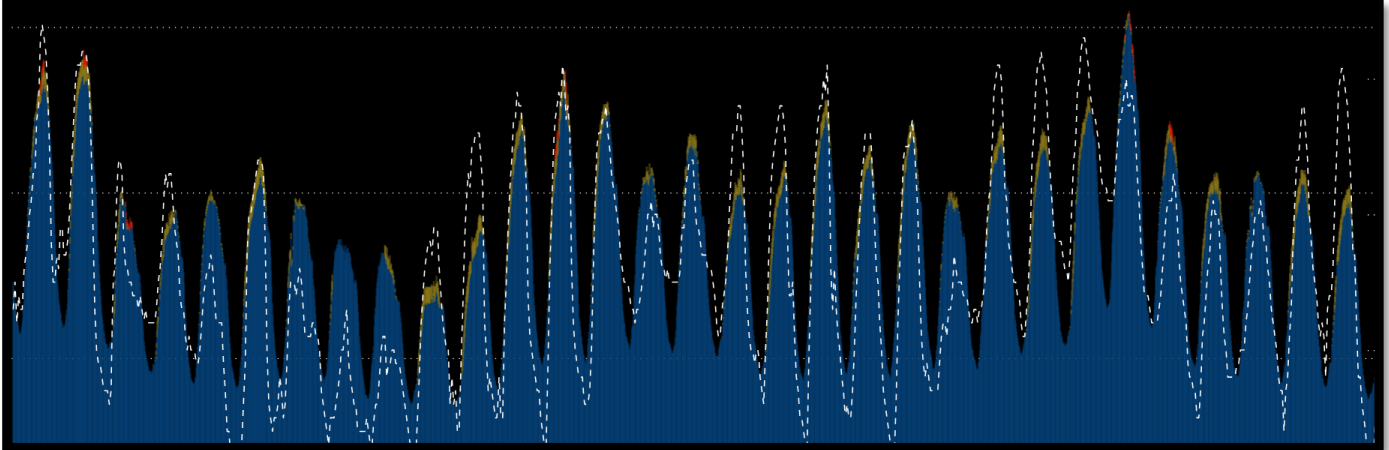


Figure 2: NEMMPA Load with Battery & Solar.

NEMMPA vs. non-NEMMPA Peak Last Month

The attached graph shows the aggregated NEMMPA peak versus non-NEMMPA peak.

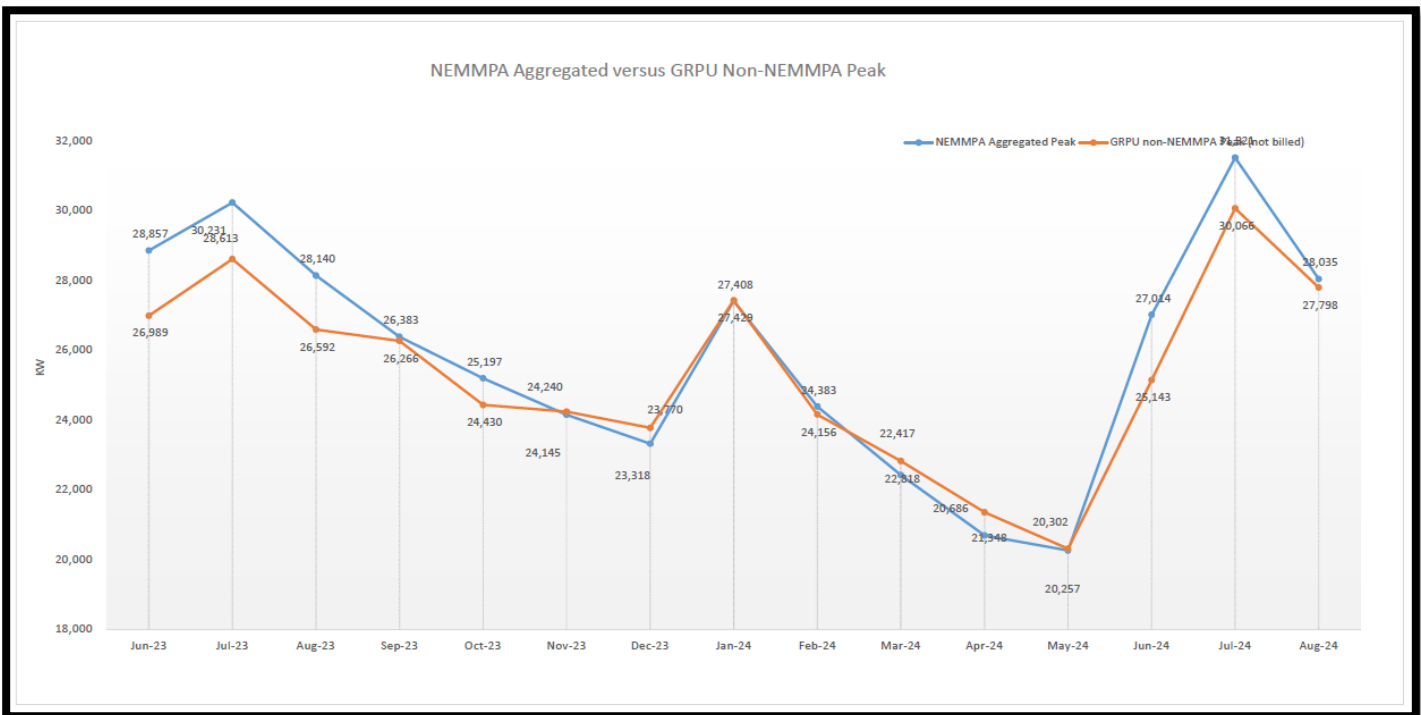


Figure 3: NEMMPA Peak -vs- non-NEMMPA

Effective Wholesale Electric Power Rate Last Month

The attached graph shows the effective wholesale electric rate. Main factor for increase is Midcontinent Independent System Operator (MISO) fees.

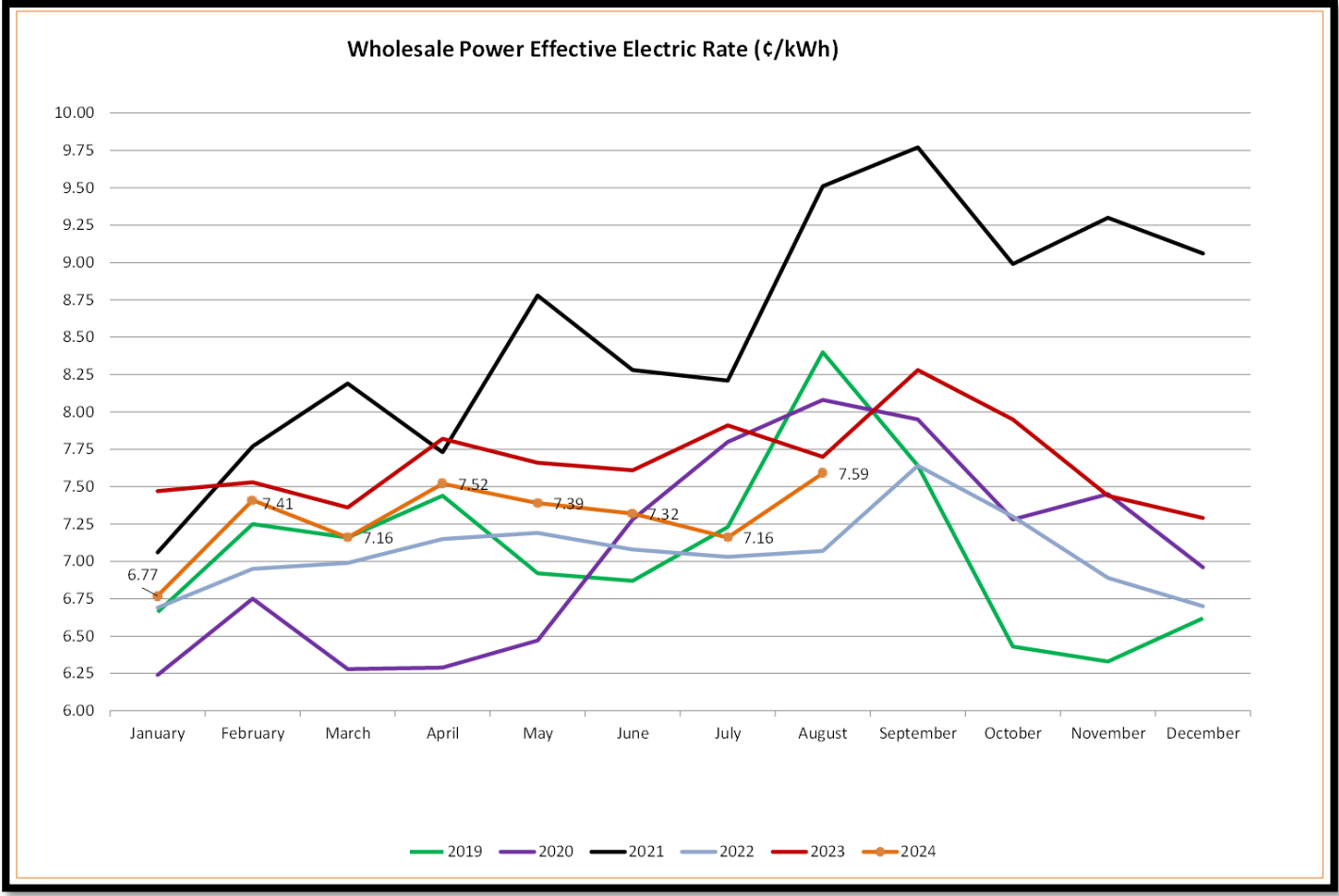


Figure 4: Wholesale Power Effective Elect Rate