

**GRAND RAPIDS  
PUBLIC UTILITIES**

*Service is Our Nature*

500 SE Fourth Street • Grand Rapids, Minnesota 55744

## ELECTRIC DEPARTMENT MONTHLY REPORT June 2024 Commission Meeting

### Reliability Report Last Month

SAIDI:	0.14	Avg Minutes / Customers Served	CAIDI:	3.95	Avg Minutes / Customer Out	Total Customers Out:	277
SAIFI:	0.04	Cust Outages / Customers Served	CAIFI:	0.032	Avg Outages / Customer Out	Total Reported Hours:	18
Active:	7652	Active Electric Customers	Outages:	9	Total Number of Outages	Total Customer Hours Out:	97
ASAI:	99.99986	Average Percent System Available					

In May, there were four incidents involving trees affecting the power lines, resulting in service interruptions for customers. One incident was attributable to a customer trimming branches near power lines. For the safety of all concerned, we urge customers to contact our office prior to any vegetation trimming near power lines. Our electric crew is committed to assisting customers in safely managing vegetation in accordance with our established protocols, recognizing the inherent risks involved in this work.

Another outage occurred despite tree trimming efforts in the area, when a tree outside the designated trimming zone fell onto the power lines, causing smoke. Our line crews promptly responded, clearing the tree and restoring power just before the fire department arrived on scene.

Outage Time	Restored Time	Outage Type	Duration (Hours)	Customers Out	Customer Hours
5/2/2024 10:27:14 AM	5/2/2024 11:02:19 AM	Unknown -r-	0.58	13	7.60
5/2/2024 10:41:46 PM	5/2/2024 11:03:11 PM	Tree -r-	0.36	47	16.78
5/3/2024 10:45:33 AM	5/3/2024 10:53:16 AM	Tree -r-	0.13	10	1.29
5/3/2024 2:37:27 PM	5/3/2024 3:04:26 PM	Equipment -r-	0.45	1	0.45
5/12/2024 7:26:59 PM	5/12/2024 7:27:09 PM	Equipment -r-	0.00	6	0.02
5/19/2024 7:43:06 PM	5/20/2024 11:15:35 AM	Equipment -r-	15.54	1	15.54
5/21/2024 11:36:32 AM	5/21/2024 12:29:46 PM	Tree -r-	0.89	18	15.97
5/22/2024 10:25:19 AM	5/22/2024 10:38:27 AM	Tree -r-	0.22	179	39.18
5/31/2024 1:14:05 PM	5/31/2024 1:18:16 PM	Scheduled -r-	0.07	2	0.14

*Figure 1: Outage Information by Type*

## **Electric Load Graph Last Month**

The peak gross demand for NEMMPA occurred on May 2nd at 12:30 PM. MP did not participate in demand shaving during this peak due to a scheduled outage required for a system upgrade to the CAT scheduler on the same day. It's important to note that planned maintenance is permissible under the terms of our contract, and when scheduled, this outage was not anticipated to coincide with a peak event.

Throughout May, the battery was exercised a total of five times. Despite MP and GRPU not participating in peak shaving efforts, the overall demand for the month remained relatively stable, with only a 1 MW difference observed between the lowest and highest peak levels. Additionally, the expected heat-related demand surges typical for May did not materialize on certain days.

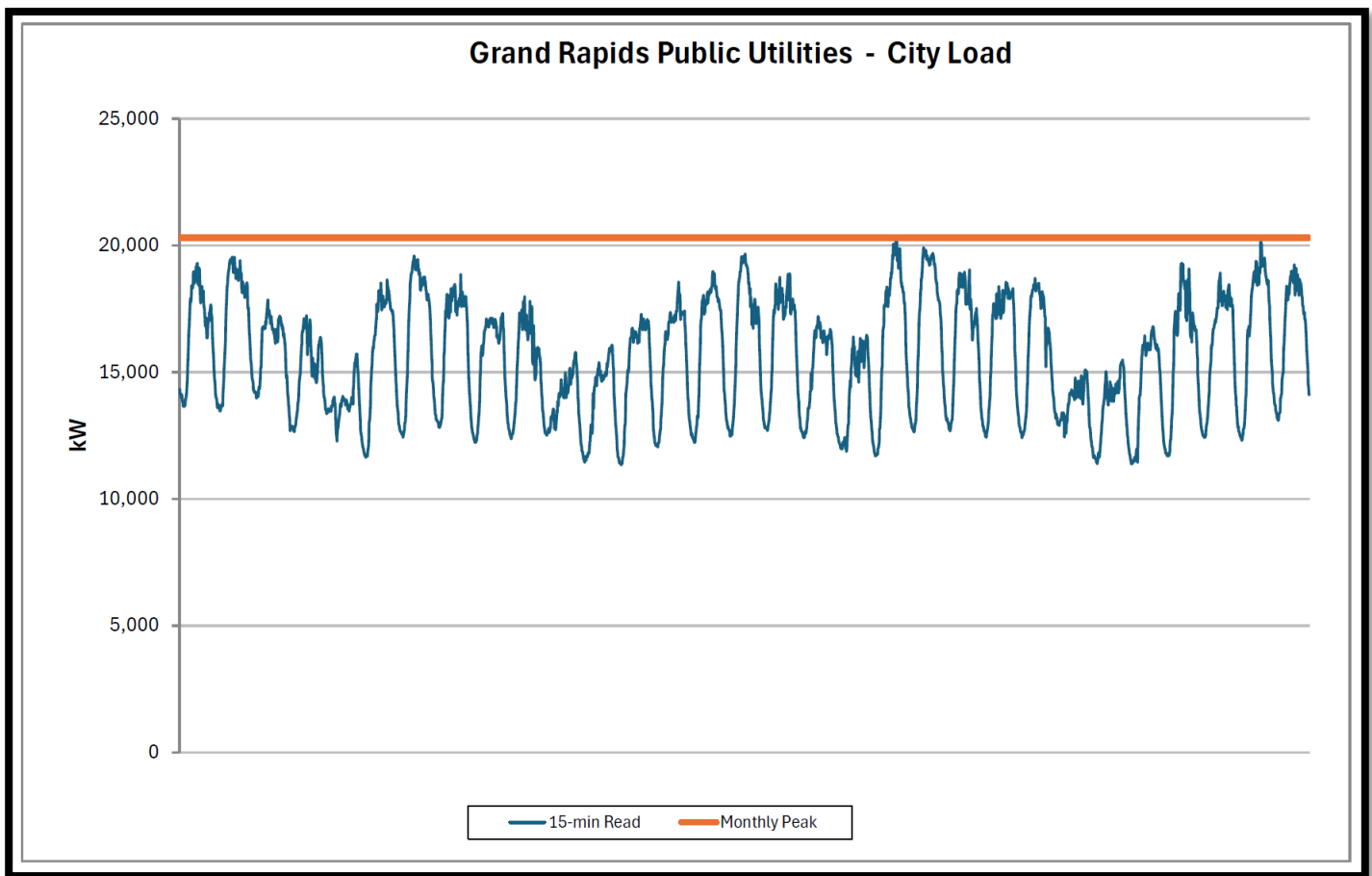


Figure 2: 20,302 kW GR Peak

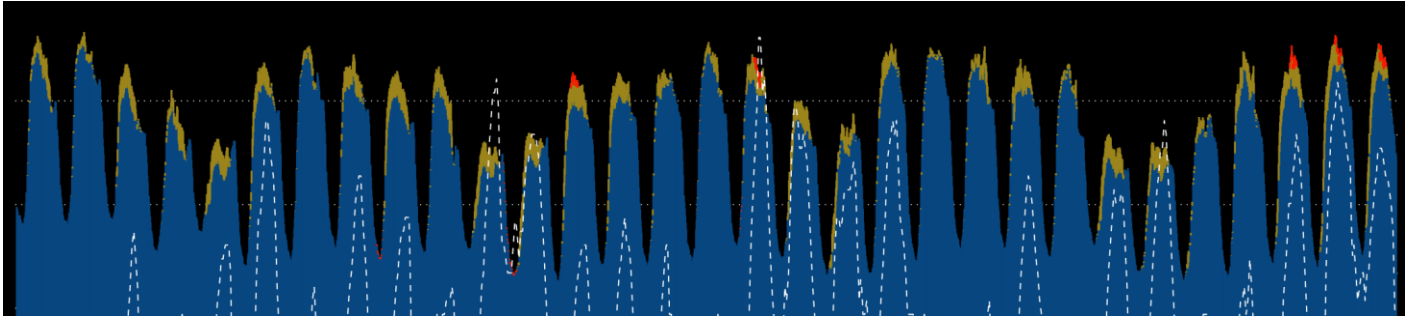


Figure 3: NEMMPA Load with Battery (red) & Solar (dark khaki).

### NEMMPA vs. non-NEMMPA Peak Last Month

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

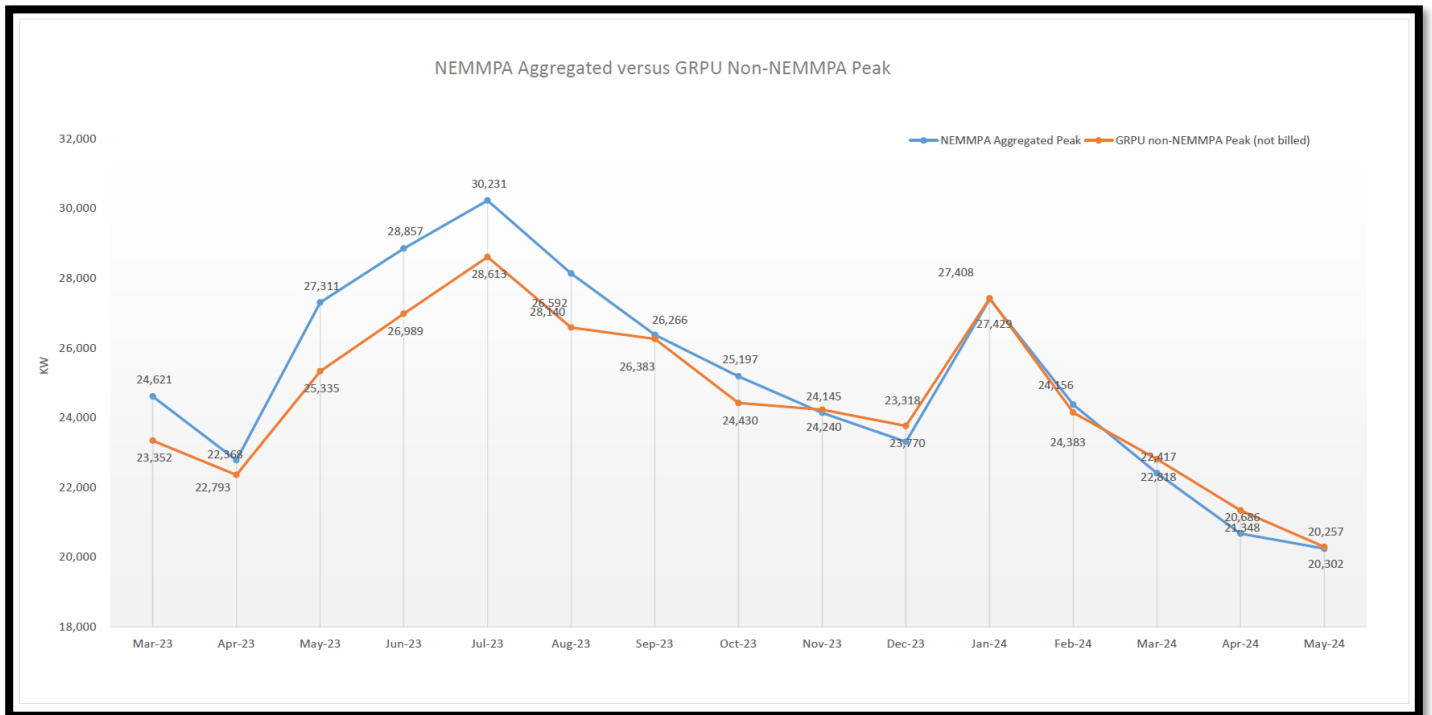


Figure 4: NEMMPA Peak -vs- non-NEMMPA

## Effective Wholesale Electric Power Rate Last Month

The attached graph shows the effective wholesale electric rate.

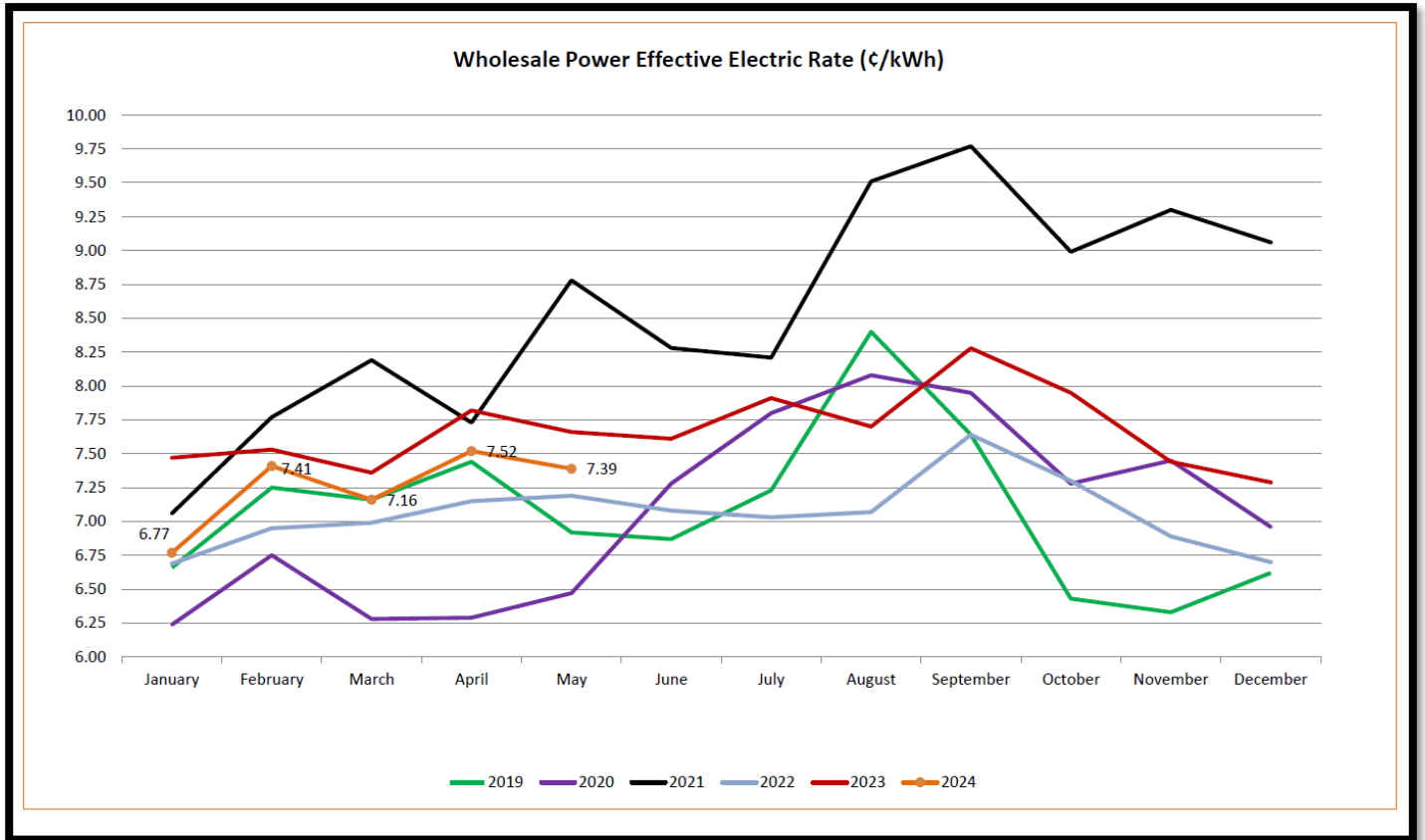


Figure 5: Wholesale Power Effective Elect Rate

## Capital and Operations Project Summary

Continuing our infrastructure maintenance and purchasing approved capital assets.