

**GRAND RAPIDS
PUBLIC UTILITIES**

Service is Our Nature

500 SE Fourth Street • Grand Rapids, Minnesota 55744

ELECTRIC DEPARTMENT MONTHLY REPORT March 2024 Commission Meeting

Reliability Report Last Month

SAIDI:	0.03	Avg Minutes / Customers Served	CAIDI:	2.14	Avg Minutes / Customer Out	Total Customers Out:	120
SAIFI:	0.02	Cust Outages / Customers Served	CAIFI:	0.050	Avg Outages / Customer Out	Total Reported Hours:	4
Active:	7644	Active Electric Customers	Outages:	6	Total Number of Outages	Total Customer Hours Out:	44
ASAI:	99.99993	Average Percent System Available					

In February, the GRPU electrical system experienced an outage caused by wildlife, specifically a squirrel, impacting 113 customers. Swift response from electric crews promptly resolved the issue. Additionally, three instances of worn equipment were addressed and rectified, with two additional planned repairs of infrastructure.

Outage Time	Restored Time	Outage Type	Duration (Hours)	Customers Out	Customer Hours
2/1/2024 9:21:34 AM	2/1/2024 9:41:41 AM	Wildlife -r-	0.34	113	37.89
2/6/2024 9:39:44 AM	2/6/2024 11:34:29 AM	Scheduled -r-	1.91	1	1.91
2/7/2024 10:00:37 AM	2/7/2024 10:39:15 AM	Scheduled -r-	0.64	1	0.64
2/9/2024 5:37:51 AM	2/9/2024 5:39:09 AM	Equipment -r-	0.02	1	0.02
2/10/2024 12:38:40 PM	2/10/2024 2:00:04 PM	Equipment -r-	1.36	3	4.07
2/19/2024 7:58:30 AM	2/19/2024 7:59:07 AM	Equipment -r-	0.01	1	0.01

Figure 1: Outage Information by Type

Electric Load Graph Last Month

February's Monthly Peak of 24,383 kW occurred on the 29th. The battery was used to shift the peak from the 28th to the 29th. Solar production is climbing as we move closer to summer.

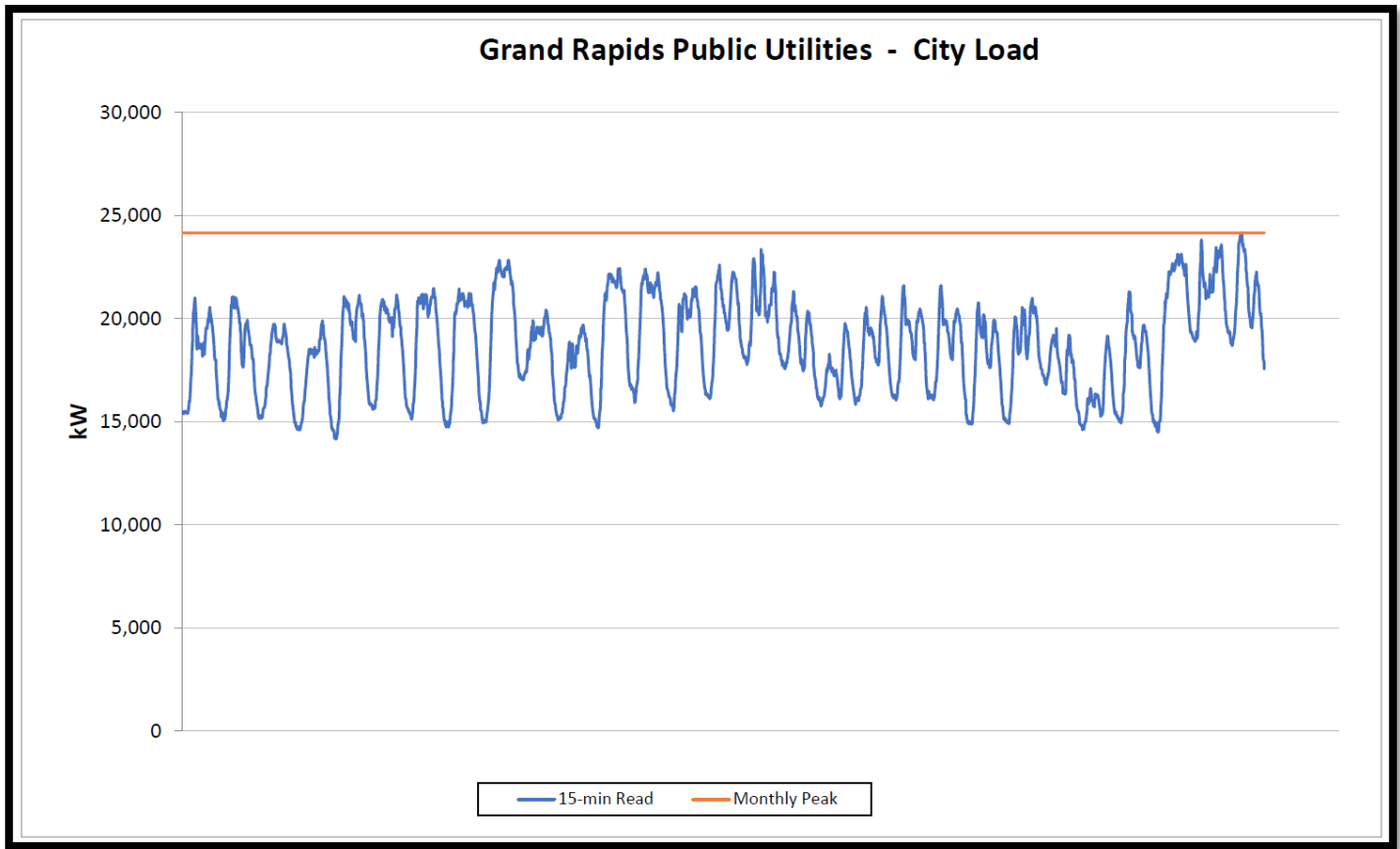


Figure 2: 27,429 kW GR Peak

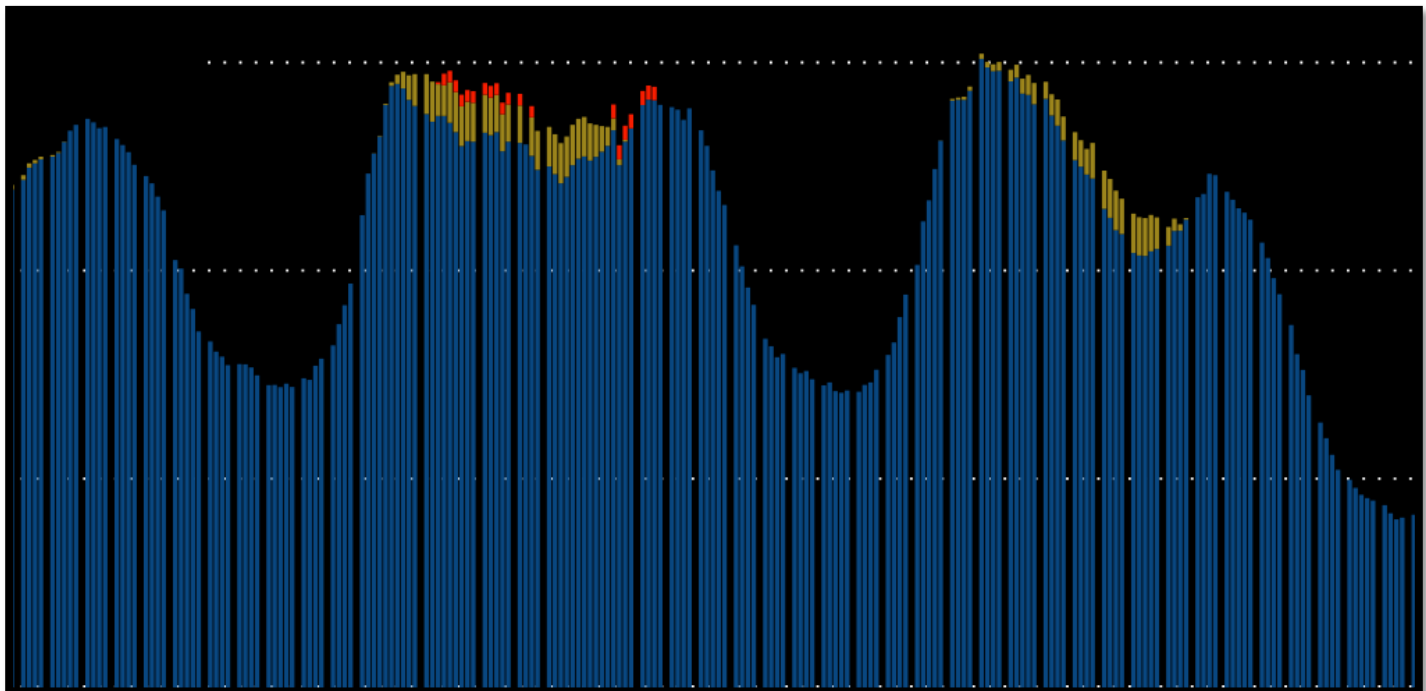


Figure 3: NEMMPA Load with Battery & Solar. 2/27-2/29.

NEMMPA vs. non-NEMMPA Peak Last Month

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

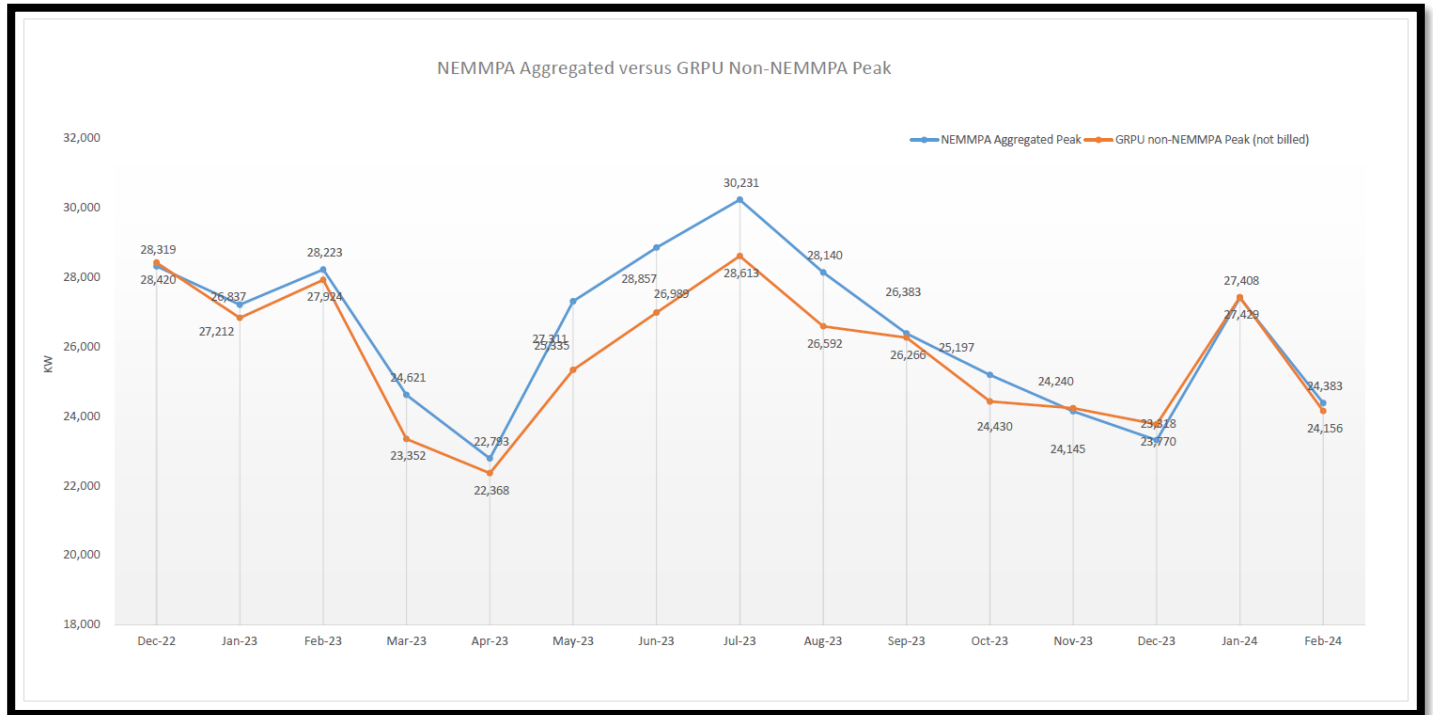


Figure 4: NEMMPA Peak -vs- non-NEMMPA

Effective Wholesale Electric Power Rate Last Month

The attached graph shows the effective wholesale electric rate.

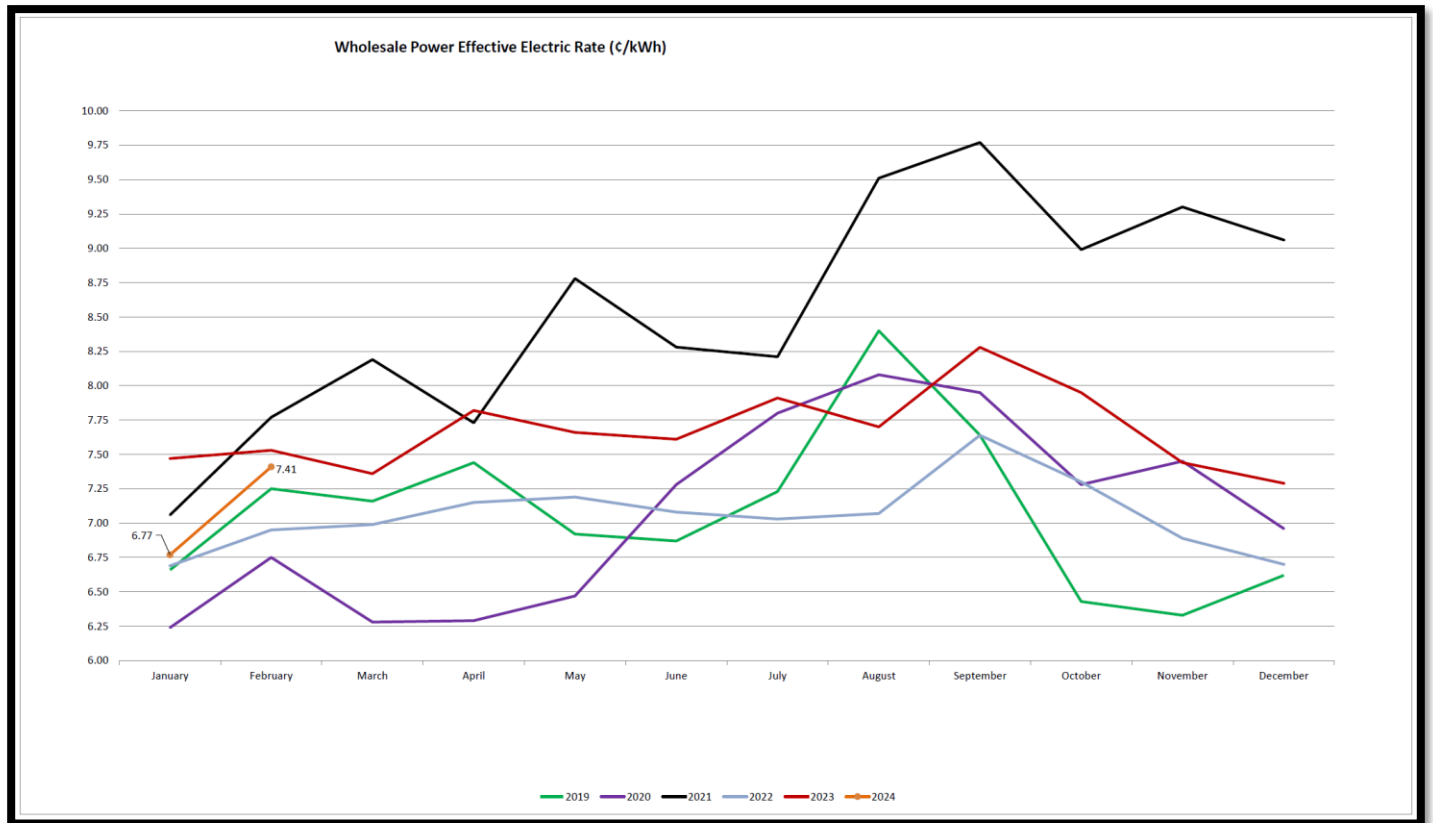


Figure 5: Wholesale Power Effective Elect Rate

Capital and Operations Project Summary

Procuring materials for 2024 and 2025. As the frost recedes, construction activity will increase.