

**GRAND RAPIDS
PUBLIC UTILITIES**

Service is Our Nature

500 SE Fourth Street • Grand Rapids, Minnesota 55744

ELECTRIC DEPARTMENT MONTHLY REPORT January 2024 Commission Meeting

Reliability Report Last Month

SAIDI:	0.10	Avg Minutes / Customers Served	CAIDI:	12.53	Avg Minutes / Customer Out	Total Customers Out:	63
SAIFI:	0.01	Cust Outages / Customers Served	CAIFI:	0.159	Avg Outages / Customer Out	Total Reported Hours:	13
Active:	7642	Active Electric Customers	Outages:	10	Total Number of Outages	Total Customer Hours Out:	52
ASAI:	99.99992	Average Percent System Available					

GRPU had ten outages last month. Highlighted below is an outage caused by a vehicle where a car went off the road and pushed a transformer completely off its base. The power was still on and partially exposed where the transformer was originally located. When line crews arrived, they shut off the power and made the repair. GRPU wants to remind the public how important it is to stay away from any power lines and electrical equipment, especially when parts are damaged.



Figure 1: Vehicle Caused Outage

Outage Type	Outages	Duration	Customers	Customer Hours
Equipment -r-	2	2.50	4	2.80
Power Supply -r-	1	0.01	1	0.01
Tree -r-	2	6.56	18	22.47
Unknown -r-	1	0.29	1	0.29
Vehicle Accident -r-	1	1.55	1	1.55
Wildlife -r-	3	2.25	38	25.18

Figure 2: Outage Information by Type

Electric Load Graph Last Month

The Monthly Peak was 23,770 kW on Dec 18th. The battery was dispatched that morning which helped reduce the load.

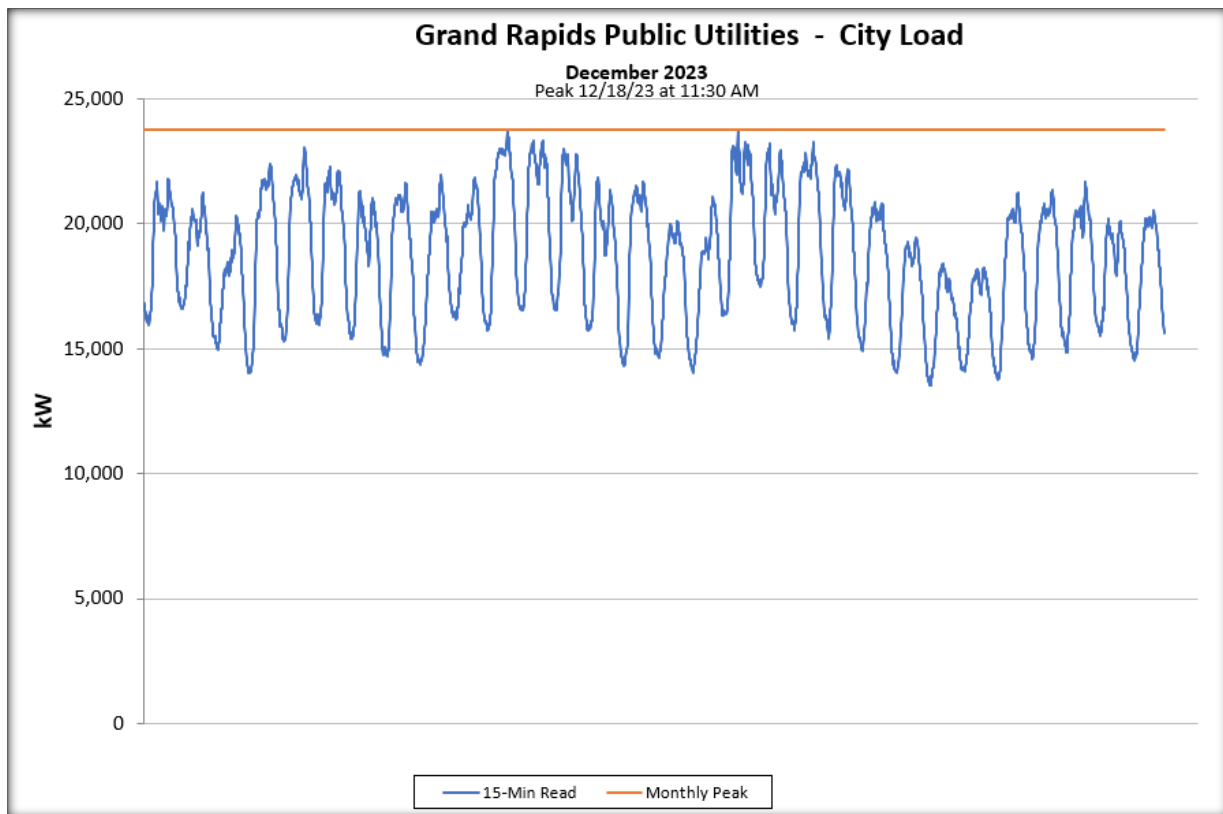


Figure 3: 23,770 kW 12/18 at 11:30 AM

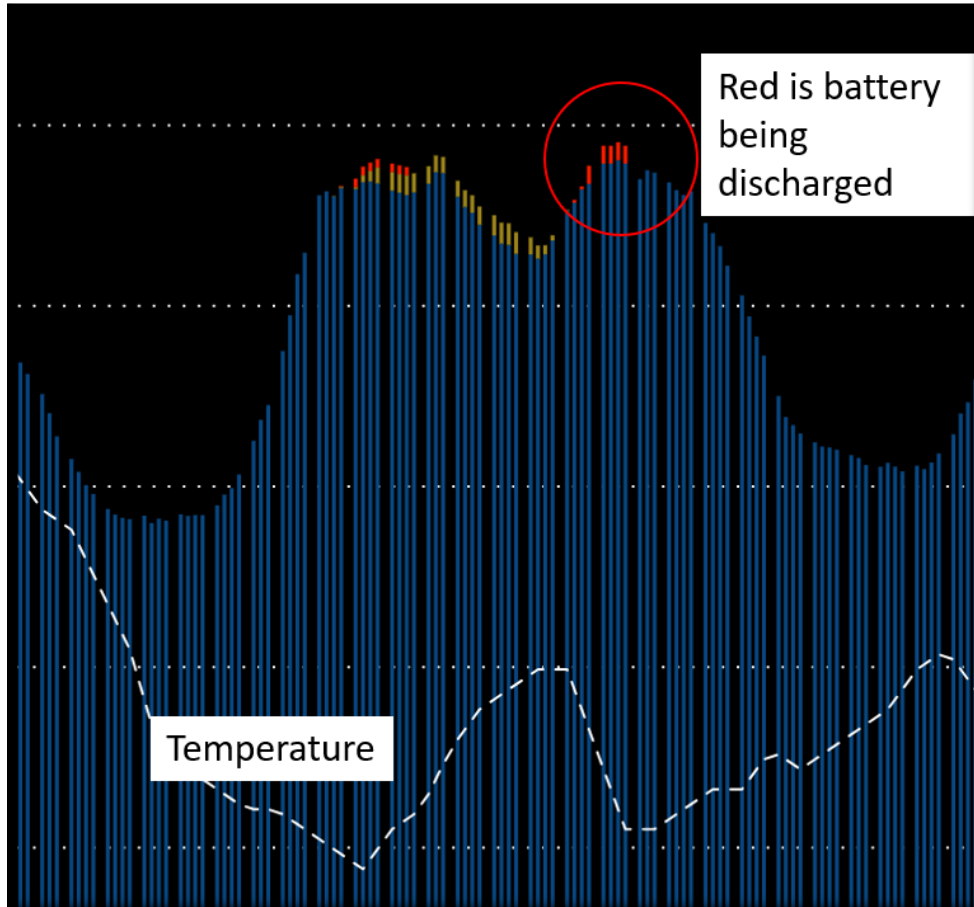


Figure 4: NEMMPA Load with Battery

NEMMPA vs. non-NEMMPA Peak Last Month

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

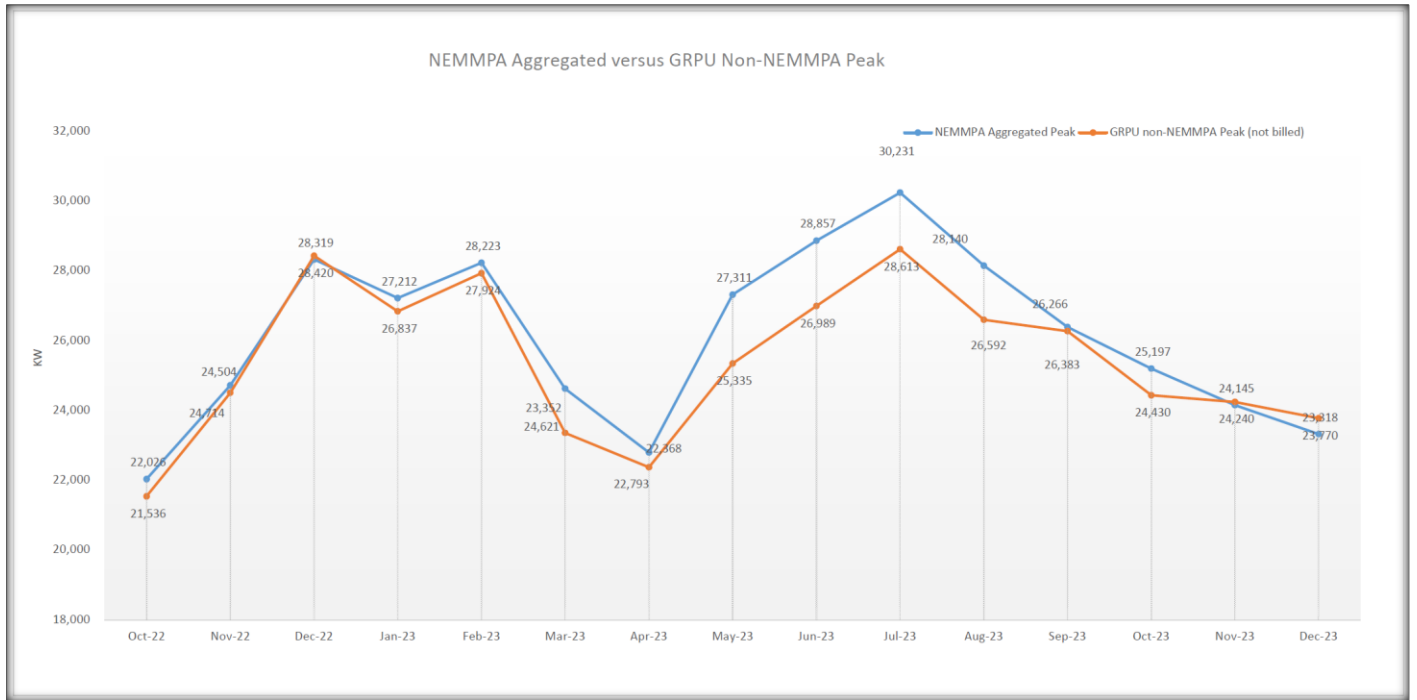


Figure 5: NEMMPA Peak -vs- non-NEMMPA

Effective Wholesale Electric Power Rate Last Month

The attached graph shows the effective wholesale electric rate.

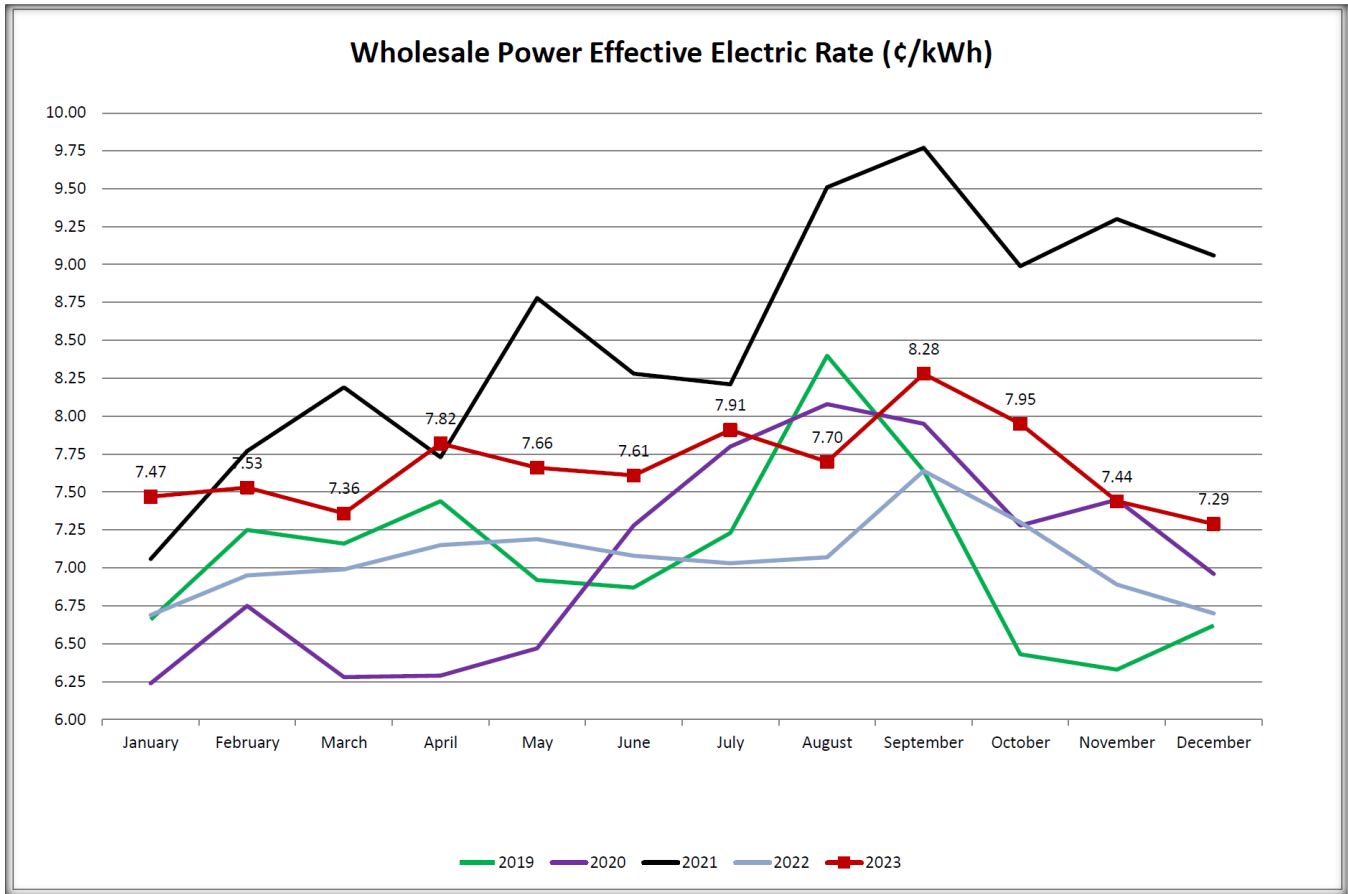


Figure 6: Wholesale Power Effective Elect Rate

Capital and Operations Project Summary

Dept	Proj Desc	Proj #	Budget	Amount Spent	Percent Spent (calc'd)	Percent Complet	Status	Noted Issues / Highlights
ELEC	Tree Trimming	EOPS	\$150,024	\$143,596	96%	0%	In Progress	closing out 99% of yearly work
ELEC	Distribution System Transformers	ELEC2306	\$150,000	\$0	0%	10%	In Progress	Larger order, lead-time reduction
ELEC	Crystal Springs Conversion	ELEC2135	\$146,000	\$0	0%	0%	On Hold	trx supply chain issues - pushed to 2024
ELEC	Reliability Upgrades	ELEC2314	\$100,000	\$0	0%	0%	In Progress	working through collecting costs
ELEC	Backyard Machine	ELEC2318	\$90,000	\$90,000	100%	100%	Completed	
ELEC	OH Replacements	ELEC2304	\$60,000	\$10,290	17%	0%	In Progress	
ELEC	Power Pole Replacement	ELEC2311	\$50,000	\$0	0%	0%	Not Started	working through collecting costs
ELEC	Distribution System Services	ELEC2301	\$40,000	\$0	0%	0%	Not Started	
ELEC	SW 1st Avenue Conversion	ELEC2317	\$30,000	\$0	0%	0%	On Hold	trx supply chain issues - pushed to 2024
ELEC	UG Replacements	ELEC2305	\$30,000	\$29,526	98%	1%	In Progress	working through collecting costs
ELEC	Maple Street Conversion	ELEC2316	\$29,000	\$0	0%	0%	On Hold	trx supply chain issues - pushed to 2024
ELEC	AMI Meters	ELEC2307	\$25,000	\$5,422	22%	1%	In Progress	
ELEC	Security Lighting	ELEC2303	\$13,996	\$1,118	8%	0%	Not Started	
ELEC	Dual Fuel Services	ELEC2302	\$2,560	\$0	0%	0%	Not Started	working through collecting costs
ELEC	21st St & Forest Hills Dr	EOPS			#DIV/0!		In Progress	
ELEC	Ainsworth Site Transformer	EOPS		\$62,283	#DIV/0!	75%	In Progress	changes in works
ELEC	CSC Generator	EOPS			#DIV/0!		In Progress	2024 delivery
ELEC	East Sub Rewire	EOPS		\$0	#DIV/0!	0%	Not Started	
ELEC	Forest Lake School Site Housing	ECON-23-A0010		\$26,642	#DIV/0!		Not Started	
ELEC	Newman Campground - LaPrairie	ECON-22-c0010		\$48,404	#DIV/0!	100%	Completed	

Status Definitions

- Not Started - no human or financial resources utilized
- In Progress - time or money spent on the project
- In Service - operational but final close out needed
- Completed - done and closed out
- On Hold - waiting on some type of significant action