



**GRAND RAPIDS  
PUBLIC UTILITIES**

*Service is Our Nature*

500 SE Fourth Street • Grand Rapids, Minnesota 55744

## **ELECTRIC DEPARTMENT MONTHLY RELIABILITY REPORT Aug 2024 Commission Meeting**

### **Reliability Report Last Month**

SAIDI:	0.24	Avg Minutes / Customers Served	CAIDI:	4.92	Avg Minutes / Customer Out	Total Customers Out:	369
SAIFI:	0.05	Cust Outages / Customers Served	CAIFI:	0.076	Avg Outages / Customer Out	Total Reported Hours:	30
Active:	7655	Active Electric Customers	Outages:	28	Total Number of Outages	Total Customer Hours Out:	333
ASAI:	99.99950	Average Percent System Available					

*Figure 1: July Reliability Numbers*

Major outage summary: Grand Rapids Public Utilities Service Area suffered an outage caused by a tree that broke two poles early in the month. The team took a planned outage to repair a damaged cabinet and another one to make an infrastructure design improvement. A storm caused outages at the end of the month.

Outage Time	Restored Time	Outage Type	Duration (Hours)	Customers Out	Customer Hours
7/1/2024 11:43:21 PM	7/2/2024 1:11:58 AM	Equipment -r-	1.48	3	4.43
7/2/2024 3:19:11 PM	7/2/2024 4:48:31 PM	Utility Human Error -r-	1.49	1	1.49
7/2/2024 8:01:01 PM	7/2/2024 8:19:15 PM	Equipment -r-	0.30	1	0.30
7/3/2024 2:14:01 PM	7/3/2024 3:06:29 PM	Tree -r-	0.87	44	38.48
7/3/2024 2:14:04 PM	7/3/2024 5:55:46 PM	Tree -r-	3.70	9	33.26
7/4/2024 7:36:23 PM	7/4/2024 9:06:29 PM	Utility Human Error -r-	1.50	2	3.00
7/5/2024 10:02:04 AM	7/5/2024 11:19:48 AM	Unknown -r-	1.30	1	1.30
7/6/2024 1:02:24 AM	7/6/2024 5:30:47 AM	Wildlife -r-	4.47	1	4.47
7/9/2024 11:15:55 AM	7/9/2024 11:54:46 AM	Utility Human Error -r-	0.65	1	0.65
7/11/2024 4:21:25 AM	7/11/2024 5:08:07 AM	Scheduled -r-	0.78	154	119.86
7/11/2024 8:57:56 PM	7/11/2024 9:20:52 PM	Equipment -r-	0.38	1	0.38
7/12/2024 11:37:04 AM	7/12/2024 12:05:24 PM	Equipment -r-	0.47	1	0.47
7/12/2024 12:51:47 PM	7/12/2024 1:42:44 PM	Equipment -r-	0.85	1	0.85
7/16/2024 6:53:31 AM	7/16/2024 7:51:27 AM	Tree -r-	0.97	19	18.35
7/18/2024 8:21:23 AM	7/18/2024 8:52:57 AM	Scheduled -r-	0.53	1	0.53
7/21/2024 9:12:58 AM	7/21/2024 9:54:56 AM	Wildlife -r-	0.70	2	1.40
7/23/2024 8:24:02 AM	7/23/2024 8:57:27 AM	Scheduled -r-	0.56	1	0.56
7/24/2024 1:00:03 PM	7/24/2024 1:35:35 PM	Scheduled -r-	0.59	1	0.59
7/24/2024 8:08:31 PM	7/24/2024 8:21:11 PM	Equipment -r-	0.21	7	1.48
7/25/2024 9:32:33 AM	7/25/2024 9:53:53 AM	Scheduled -r-	0.36	5	1.78
7/29/2024 1:03:11 PM	7/29/2024 1:47:11 PM	Tree -r-	0.73	2	1.47
7/30/2024 1:01:05 PM	7/30/2024 1:35:41 PM	Scheduled -r-	0.58	32	18.45
7/31/2024 8:35:24 AM	7/31/2024 9:04:34 AM	Scheduled -r-	0.49	1	0.49
7/31/2024 9:21:32 AM	7/31/2024 9:42:59 AM	Scheduled -r-	0.36	1	0.36
7/31/2024 11:22:24 AM	7/31/2024 11:23:44 AM	Equipment -r-	0.02	5	0.11
7/31/2024 3:44:26 PM	7/31/2024 5:57:47 PM	Equipment -r-	2.22	2	4.45
7/31/2024 4:44:16 PM	7/31/2024 7:50:32 PM	Weather -r-	3.10	12	37.25
7/31/2024 4:50:53 PM	7/31/2024 5:28:56 PM	Tree -r-	0.63	58	36.78

Figure 2: Outage Information by Type