

**Minutes of
Shawano Municipal Utilities
Regular Commission Meeting
April 7, 2025**

Present: Malueg, Pescinski, Hoeffs, Reuter, Liesner and Keuschel
Absent: Milavitz

Also Present: General Manager Gomm, Electrical Engineer Koepp, Financial Director Miller and Network Administrator Bisterfeldt

Meeting called to order by President Pescinski at 4:00 p.m. at the Shawano Municipal Utilities office.

Minutes of the March 10, 2025 meeting were read and placed on file.

FINANCIAL

Motion by Malueg, seconded by Keuschel to approve the vouchers in the amount of \$2,393,996.48. Roll Call (Malueg, Keuschel, Pescinski, Hoeffs, Reuter and Liesner) = All Yes.

OFFICE

Collections Report

There were 181 Landlord notices mailed on February 28th.

There were 790 Disconnect notices mailed on February 28th to customers who had outstanding amounts due at the month-end.

3/17/25 198 automated reminder phone calls

Winter moratorium ends April 15th.

Outage Management System

The front office staff and line crew will be receiving training on April 9th for the new Outage Management System (OMS). The OMS system will allow us to text or email outage information to customers and SMU staff. Also, we will have an outage map for internal use as well as external (on our SMU website). This should improve communications with our customers and help automate some procedures.

ELECTRICAL

Primary Extensions

- Apartment Complex on CTH B this project is completed.
- N5646 N Washington Street this project is completed.
- 1040 Engel Drive paid the estimated installation costs. We will be sending this over for installation in late April or early May.
- 1060 Engel Drive has not paid the estimated project costs. Waiting on the customer to pay.

- Eastside Business Park, open lots to the East of Hawkeye, has not paid the estimated project costs. Waiting on the customer to pay. They have stated they would like to start moving dirt toward the middle of April.
- 1257 Jaycee Ct is installing another building. The estimated project costs have not been paid yet. Waiting on the customer to pay.
- N6167 STH 47/55 has not paid the estimated project costs. Waiting on the customer to pay.

2025 Budget

- Transformer order approval was in December.
- Purchase of a scrubber/sweeper was approved and they were delivered in February.
- As of 4/1/25, 119 porcelain cutouts have been changed out in 2025. 250 change outs were budgeted.

New Building Electrical Usage & Generation

Below is a summary table of the usage and generation from the SMU Service Center.

| Month | kWh Delivered | kWh Received | kWh Used Internally | kWh Generated | \$ Saved/Received From Solar Array | Output % of Solar System |
|---------|---------------|--------------|---------------------|---------------|------------------------------------|--------------------------|
| Mar. 25 | 10,464 | 4,872 | 3,755 | 8,627 | \$708.80 | 15.46% |
| Feb. 25 | 13,490 | 483 | 992 | 1,475 | \$124.37 | 2.93% |
| Jan. 25 | 11,876 | 765 | 2,877 | 3,642 | \$310.99 | 6.53% |
| Dec. 24 | 12,148 | 257 | 1,716 | 1,973 | \$169.90 | 3.54% |
| Nov. 24 | 9,621 | 931 | 2,497 | 3,428 | \$233.73 | 6.35% |
| Oct. 24 | 7,609 | 6,087 | 3,483 | 9,570 | \$653.54 | 17.15% |
| Sep. 24 | 6,006 | 9,294 | 3,858 | 13,152 | \$898.44 | 24.36% |
| Aug. 24 | 6,473 | 8,143 | 4,603 | 12,746 | \$870.45 | 22.84% |
| Jul. 24 | 6,111 | 9,271 | 5,282 | 14,553 | \$993.84 | 26.08% |
| Jun. 24 | 3,772 | 8,142 | 2,189 | 10,331 | \$705.98 | 22.96% |
| 2025 | 35,830 | 6,120 | 7,624 | 13,744 | \$1,144.16 | 8.48% |
| 2024 | 51,760 | 42,125 | 23,628 | 65,753 | \$4,525.88 | 17.48% |
| Total | 87,590 | 48,245 | 31,252 | 79,497 | \$5,670.04 | 14.77% |

Outages

| <u>Location</u> | <u>Cause</u> | <u>Date</u> | <u>Est. # of Cust.</u> |
|---------------------------|--------------|-------------|------------------------|
| Wescott W121 | Trees | 3/15/25 | 300 |
| Curt Black Road | Trees | 3/24/25 | 76 |
| 900&1000 Blocks S Andrews | Trees | 3/24/25 | 40 |

On 3/30/25 we had pockets of outage between 8 AM and 8 PM due to ice buildup on trees.

Outages

SAIDI - System Average Interruption Duration Index

Sum of all Customer Interruption Duration/Total # of Customers

SAIFI - System Average Interruption Frequency Index

Total # of Customers Interrupted/Total # of Customers

CAIDI - Customer Average Interruption Duration Index

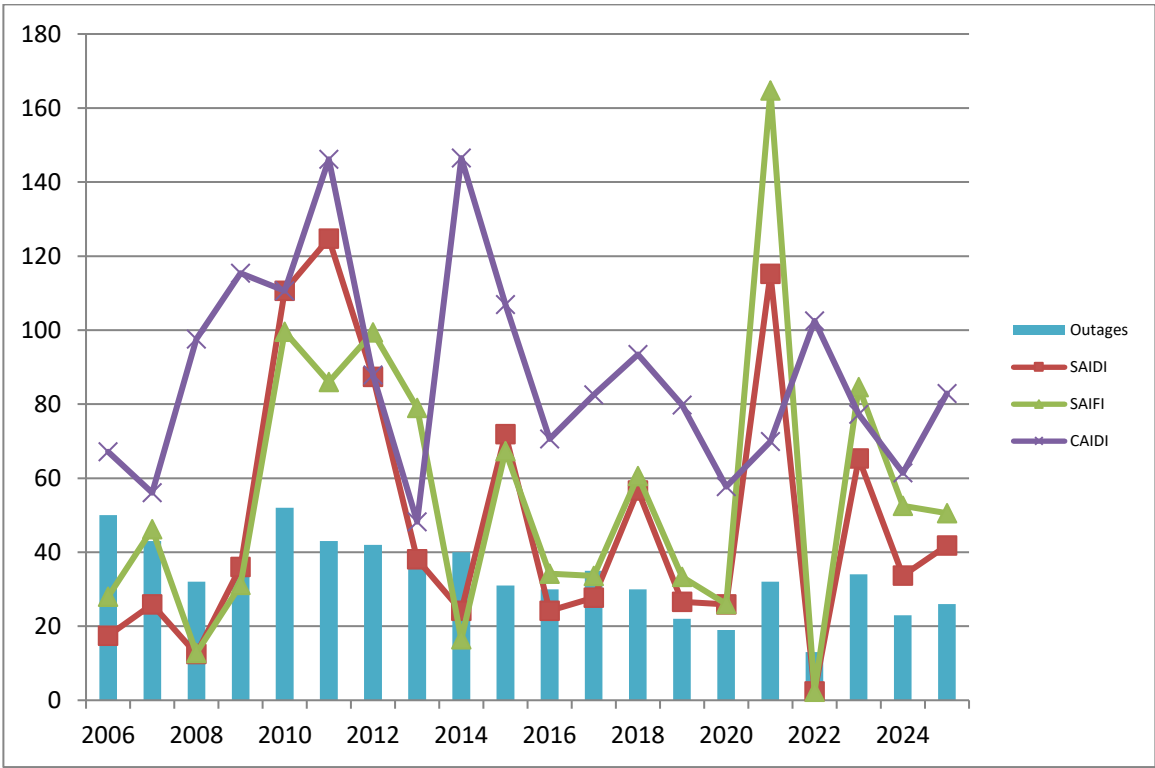
Sum of all Customer Interruption Duration/Total # of Customer Interruptions

Avg. monthly # of customer minutes/month – 246,240,000 minutes

Avg. yearly # of customer minutes/year – 2,995,920,000 minutes

| Month | # of Outages | # of Customers Interrupted | Interruption Duration (Minutes) | SAIDI | SAIFI | CAIDI |
|-------------------|--------------|----------------------------|---------------------------------|---------------|--------------|---------------|
| Mar. 2025 | 3 | 416 | 67,920 | 11.512 | 0.071 | 163.269 |
| Feb. 2025 | 0 | 0 | 0 | 0 | 0 | 0 |
| Jan. 2025 | 3 | 738 | 12,530 | 2.124 | 0.125 | 16.978 |
| Dec. 2024 | 1 | 10 | 2,700 | 0.458 | 0.002 | 270 |
| Nov. 2024 | 3 | 502 | 8,255 | 1.399 | 0.085 | 16.444 |
| Oct. 2024 | 2 | 3 | 375 | 0.061 | 0 | 125 |
| Sep. 2024 | 0 | 0 | 0 | 0 | 0 | 0 |
| Aug. 2024 | 6 | 65 | 6,240 | 1.058 | 0.011 | 96 |
| Jul. 2024 | 2 | 83 | 6,075 | 1.030 | 0.014 | 73.193 |
| Jun. 2024 | 2 | 26 | 5,160 | 0.875 | 0.004 | 198.462 |
| May 2024 | 4 | 1,144 | 136,840 | 23.193 | 0.194 | 119.615 |
| Apr. 2024 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mar. 2024 | 1 | 1,200 | 28,800 | 4.881 | 0.203 | 24 |
| Rolling 12 | 26 | 2,980 | 246,905 | 41.848 | 0.505 | 82.854 |

| Year | # of Outages | SAIDI | SAIFI | CAIDI |
|-----------------------|--------------|---------|-------|---------|
| Rolling 12 Mo | 26 | 41.848 | 0.505 | 82.854 |
| 10 Yr Avg (2015-2024) | 26.9 | 44.951 | 0.559 | 80.201 |
| 2024 | 23 | 33.689 | 0.525 | 64.159 |
| 2023 | 34 | 65.330 | 0.846 | 77.228 |
| 2022 | 13 | 2.368 | 0.023 | 102.500 |
| 2021 | 32 | 115.211 | 1.647 | 69.944 |
| 2020 | 19 | 25.885 | 0.260 | 57.748 |
| 2019 | 22 | 26.559 | 0.333 | 79.718 |
| 2018 | 30 | 56.662 | 0.606 | 93.426 |
| 2017 | 35 | 27.710 | 0.336 | 82.521 |
| 2016 | 30 | 24.163 | 0.342 | 70.582 |
| 2015 | 31 | 71.932 | 0.673 | 106.884 |
| 2014 | 40 | 24.197 | 0.165 | 146.471 |
| 2013 | 36 | 38.101 | 0.790 | 48.243 |
| 2012 | 42 | 87.349 | 0.994 | 87.860 |
| 2011 | 43 | 124.719 | 0.860 | 146.148 |
| 2010 | 52 | 110.643 | 0.996 | 110.643 |
| 2009 | 38 | 36.012 | 0.312 | 115.352 |
| 2008 | 32 | 12.517 | 0.128 | 97.584 |
| 2007 | 43 | 25.906 | 0.462 | 56.064 |
| 2006 | 50 | 17.448 | 0.280 | 67.167 |



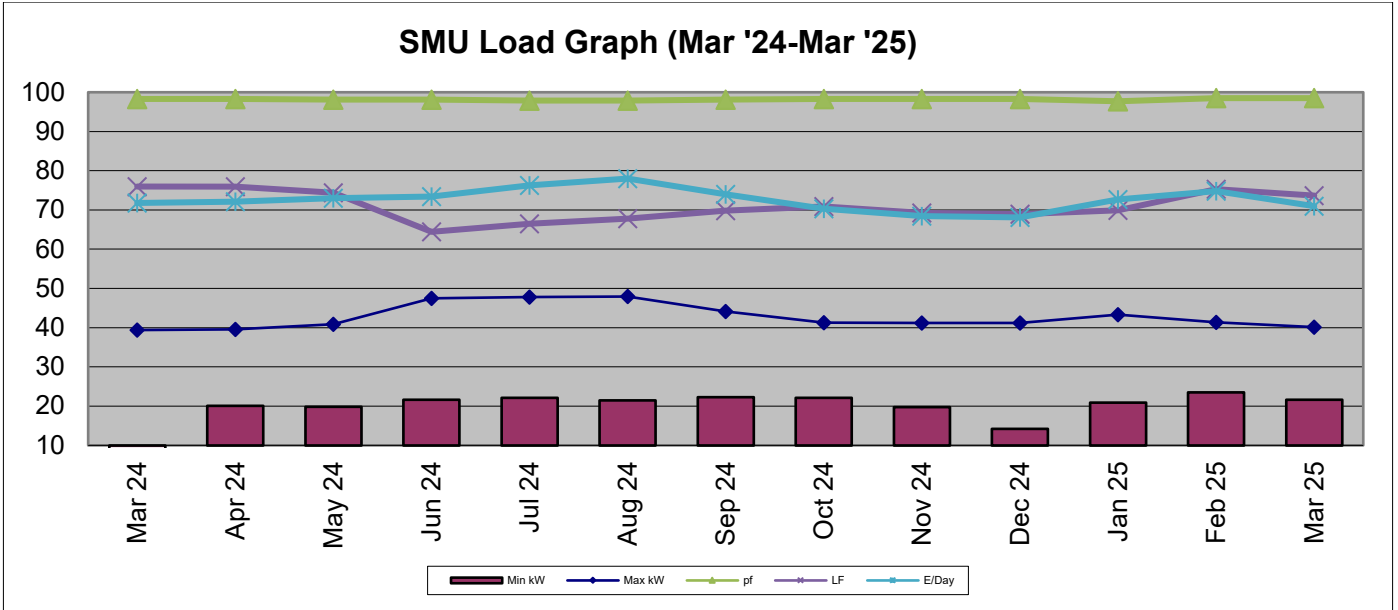
Reliability Comparison - US Energy Information Administration's Website

| | SAIDI (Outage Minutes/Customer) | SAIFI (Customer Outages/Year) |
|-------------------|---------------------------------|-------------------------------|
| WI Mun Avg (2016) | 22.184 | 0.349 |
| (2017) | 12.964 | 0.223 |
| (2018) | 21.429 | 0.315 |
| WI Avg (2016) | 79.2 | 0.686 |
| (2017) | 78.8 | 0.625 |
| (2018) | 79.6 | 0.702 |
| (2019) | 93 | 0.755 |
| (2020) | 86.4 | 0.703 |
| US Avg (2016) | 113.1 | 1.062 |
| (2017) | 116.9 | 1.007 |
| (2018) | 117.2 | 1.028 |
| (2019) | 118.6 | 1.017 |
| (2020) | 119 | 1.037 |
| SMU (2016) | 24.163 | 0.342 |
| (2017) | 27.710 | 0.336 |
| (2018) | 56.662 | 0.606 |
| (2019) | 26.559 | 0.333 |
| (2020) | 25.885 | 0.260 |

SMU System Load

| Month | Load Max. | Load Min. | Power Factor | Load Factor | Energy/Day |
|-----------|-----------|-----------|--------------|-------------|------------|
| Mar. 2025 | 40.15 | 21.62 | 98.5 | 73.69 | 710 |
| Feb. 2025 | 41.38 | 23.49 | 98.5 | 75.27 | 748 |
| Jan. 2025 | 43.32 | 20.92 | 97.7 | 69.92 | 727 |

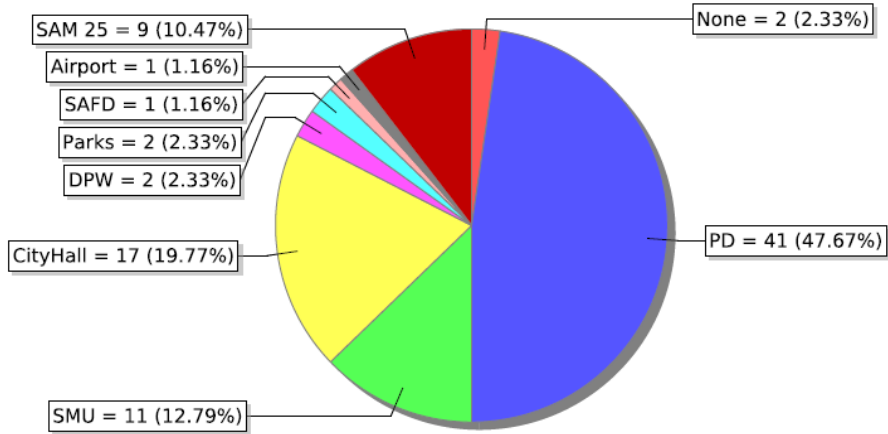
| | | | | | |
|-----------|-------|-------|------|-------|-----|
| Dec. 2024 | 41.17 | 14.18 | 98.3 | 68.97 | 681 |
| Nov. 2024 | 41.17 | 19.76 | 98.3 | 69.27 | 684 |
| Oct. 2024 | 41.32 | 22.11 | 98.3 | 70.89 | 703 |
| Sep. 2024 | 44.17 | 22.24 | 98.1 | 69.81 | 740 |
| Aug. 2024 | 47.93 | 21.45 | 97.9 | 67.79 | 780 |
| Jul. 2024 | 47.84 | 22.15 | 97.9 | 66.45 | 763 |
| Jun. 2024 | 47.48 | 21.62 | 98.1 | 64.43 | 734 |
| May 2024 | 40.89 | 19.86 | 98.1 | 74.42 | 730 |
| Apr. 2024 | 39.53 | 20.08 | 98.3 | 75.95 | 721 |
| Mar. 2024 | 39.39 | 6.23 | 98.3 | 75.97 | 718 |



TECHNOLOGY

Helpdesk Tickets

84 support tickets closed last month.



| | | | | |
|----------------|---------------|------------------|---------------------|--------------|
| None = 2 (2%) | PD = 41 (48%) | SMU = 11 (13%) | CityHall = 17 (20%) | DPW = 2 (2%) |
| Parks = 2 (2%) | SAFD = 1 (1%) | Airport = 1 (1%) | SAM 25 = 9 (10%) | |

Projects in Progress

IT

- Upgraded SMU Switches to 10Gig connectivity
- Upgraded backup storage to accommodate new Backup Software
- Continued to deploy new Desktops and Laptops
- Deployed new Cell Phones to the Police Department
- Deployed new Ipads for City Council
- Deployed new AV/Spam filter in a Trial environment

GIS

- Mapped 47 Conduit records in GIS
- Mapped 106 New Assets in GIS
- Construction Unit Map Cleanup Report
- Fixed 782 Construction Unit's that had No District listed and locations updated

Outages

None to report.

Strategic Plan initiatives

- Secure Windows imaging process – **Windows Security Scan completed.**
- DR/ Incident response plan – **In Progress**
- DR/ Incident response test
- Access Control Lists on core Network

ADMINISTRATION

Gave update on GLU activities.

Meeting adjourned at 4:45 p.m.

Respectfully submitted by,

Robert Koepp
Secretary