

**Minutes of  
Shawano Municipal Utilities  
Regular Commission Meeting  
September 7, 2022**

Present: Hoefts, Pescinski, Celmer, Keuschel, Reuter and Milavitz  
Excused: Malueg

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

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

Minutes of the August 8, 2022 meeting were read and placed on file.

**FINANCIAL**

---

Motion by Milavitz, seconded by Hoefts to approve the vouchers in the amount of \$2,319,974.63. Roll Call (Milavitz, Hoefts, Pescinski, Celmer, Keuschel and Reuter) = All Yes.

**OFFICE**

---

**Collections Report**

There were 188 Landlord notices mailed on July 29.

There were 797 Disconnect notices mailed on July 29 to customers who had outstanding amounts due at month-end.

8/01/22	1 broken deferred payment arrangement tagged
8/04/22	1 disconnect for broken deferred payment arrangement
8/08/22	1 broken deferred payment arrangement tagged
8/15/22	1 broken deferred payment arrangement tagged; 1 tag water
8/15/22	76 automated reminder phone calls
8/17/22	40 electric disconnects (20 manual/20 remote); 1 water disconnect
8/29/22	6 broken deferred payment arrangements tagged

**Rate Case Filing**

Responded to fourth data request related to social security taxes on August 5. Submitted data request on behalf of SMU on August 17 for questions related to PSC staff adjustments. Received fifth data request from PSC on August 26 which will be answered with the Cost-of-Service Study.

**ELECTRICAL**

---

**2023 Budget**

Bids were received for the 60' bucket truck and it was ordered in August.

## **Shawano Plaza**

- Elexco was able to install the new pipe to serve 209 S Main Street.
- Crews will be starting to cutover the overhead customers to the new underground starting on September 1<sup>st</sup>.
- The streetlight conduit and foundations and EV charger conduit and foundations were installed in the city parking area in the 200 block of S Main Street.

## **2022 Budget**

- The Wescott Substation work has been completed. I am finishing the SCADA rework to get communications back up to the new relays.
- The OH-URD project is starting on August 4<sup>th</sup>. This project consists of relocating the feed to L&N Hardwoods on Anderson Avenue from the rear lot line to the roadway. The conduit was installed in July. All of the equipment has now been received for this project. The 600 amp 15 kV has been spliced. The elbows still need to be completed on these cables. The 200 amp 15 kV cable has almost all been installed. The elbows need to be installed on these cables. The meter cabinet is set on its base. The switchgear has not been set yet. Planning for an outage in the middle of September to cutover the customer to the new underground.
- Pole relocations for the DPW street work has been completed.

## **CoVantage Credit Union – OH to URD**

CoVantage Credit Union purchased the property at 920 E 5<sup>th</sup> Street. They are planning to demolish the building and expand their parking area. On August 22<sup>nd</sup>, CoVantage asked if the 1-span of three phase overhead primary could be removed or buried between the properties at 920 E 5<sup>th</sup> Street and 911 E Green Bay Street. SMU offered CoVantage two solutions. If CoVantage wanted the work done this year SMU would bury the 1-span and charge them for this work, estimated \$10,000 to \$15,000. If CoVantage could wait until next year, SMU would pay for and reroute this overhead line along E 5<sup>th</sup> Street between Fairview Way and Green Bay Court. CoVantage has chosen to have SMU relocate the line this year and pay for the work. I have given them a completion date of October 14<sup>th</sup>.

## **Outages**

<u>Location</u>	<u>Cause</u>	<u>Date</u>	<u>Est. # of Cust.</u>
None			

## **Inspections**

Crews have been out doing some inspecting so far in 2022. As of 7/6/22, 2,635 points have been inspected in 2022 or 27.46%. In 2021 2,414 inspections of 9,597 total point were completed or 25.15%. Our goal is to inspect 20% of the system a year. In prior years we have inspected 20.70%, 9.05%, 22.43%, 13.86%, 13.50% in 2016, 2017, 2018, 2019, and 2020 respectively.

## **2020 Budget**

35 kV recloser has arrived. This switch is planned to be installed at the Industrial Substation.

## **2021 Budget**

35 kV switch for East Shawano backup was received. We are currently trying to schedule and outage with Arrowcast to install cables for this switch.

## 2022 Budget

- The new jib has been installed on truck #237.
- Bids for the tracked backyard derrick/bucket were approved and the unit is on order. Estimated delivery is summer of 2023.
- SMU crews replaced 35 – 250 W HPS fixtures with 120 W LED fixtures. These were done on W Green Bay Street, CTH B, and Engel Drive.

## 2023 Budget

Meters were placed on order for 2023 at the beginning of August. In late July, we were notified from the factory representative that the lead times had increased to 52 weeks for all electric meters.

## Primary Extension Projects 2021 and 2022

- 1229-1239 Ridlington Avenue – This project is completed.
- Swiderski Development – Everything has been installed except services to two apartment buildings.
- Balsam Court – The only thing left on this project is to install a streetlight on the corner Balsam Court and Timber Trail.
- 1523 Industrial Drive – This project is completed.
- 103 Alpine Court – The new service has been energized and 102 Northridge Drive has been converted to the new underground. We are still waiting on 104 Northridge Drive to convert their service to the new underground. Once that happens we can abandon the old primary that serviced 102 and 104 Northridge. We also need to convert 185 Northridge to the new underground and remove the railroad crossing.

## 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

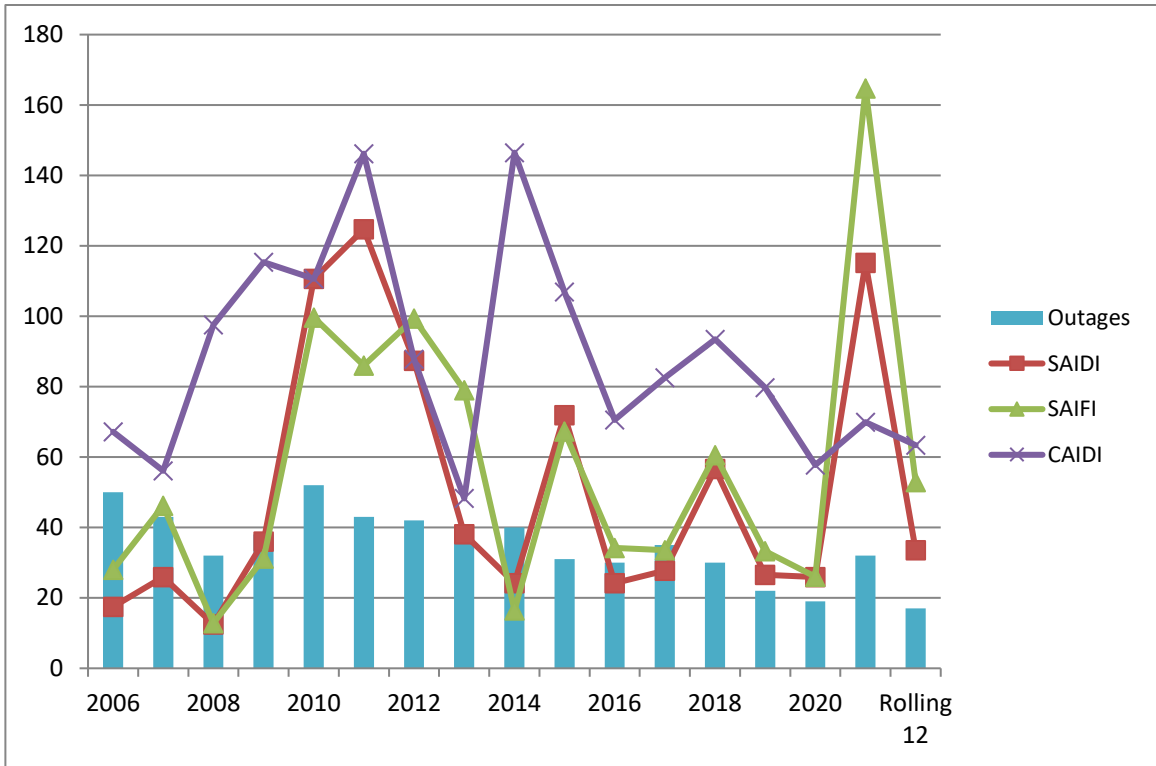
Avg. monthly # of customer minutes/month – 246,240,000 minutes

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

Month	# of Outages	# of Customers Interrupted	Interruption Duration (Minutes)	SAIDI	SAIFI	CAIDI
Aug. 2022	0	0	0	0	0	0
Jul. 2022	3	29	1,230	0.212	0.004	53.478
Jun. 2022	3	79	8,835	1.523	0.014	111.835
May 2022	3	19	2,005	0.346	0.003	105.526
Apr. 2022	1	1	150	0.026	0	150
Mar. 2022	0	0	0	0	0	0
Feb. 2022	0	0	0	0	0	0
Jan. 2022	0	0	0	0	0	0
Dec. 2021	1	2,000	160,000	28.070	0.351	80
Nov. 2021	1	5	600	0.105	0.001	120

Oct. 2021	1	5	375	0.066	0	75
Sep. 2021	4	937	21,210	3.721	0.164	22.636
Aug. 2021	3	10	840	0.147	0.002	84
Jul. 2021	5	407	61,320	10.758	0.071	150.663
<b>Rolling 12</b>	<b>17</b>	<b>3,069</b>	<b>194,405</b>	<b>33.518</b>	<b>0.529</b>	<b>63.345</b>

Year	# of Outages	SAIDI	SAIFI	CAIDI
Rolling 12 Mo	17	33.518	0.529	63.345
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

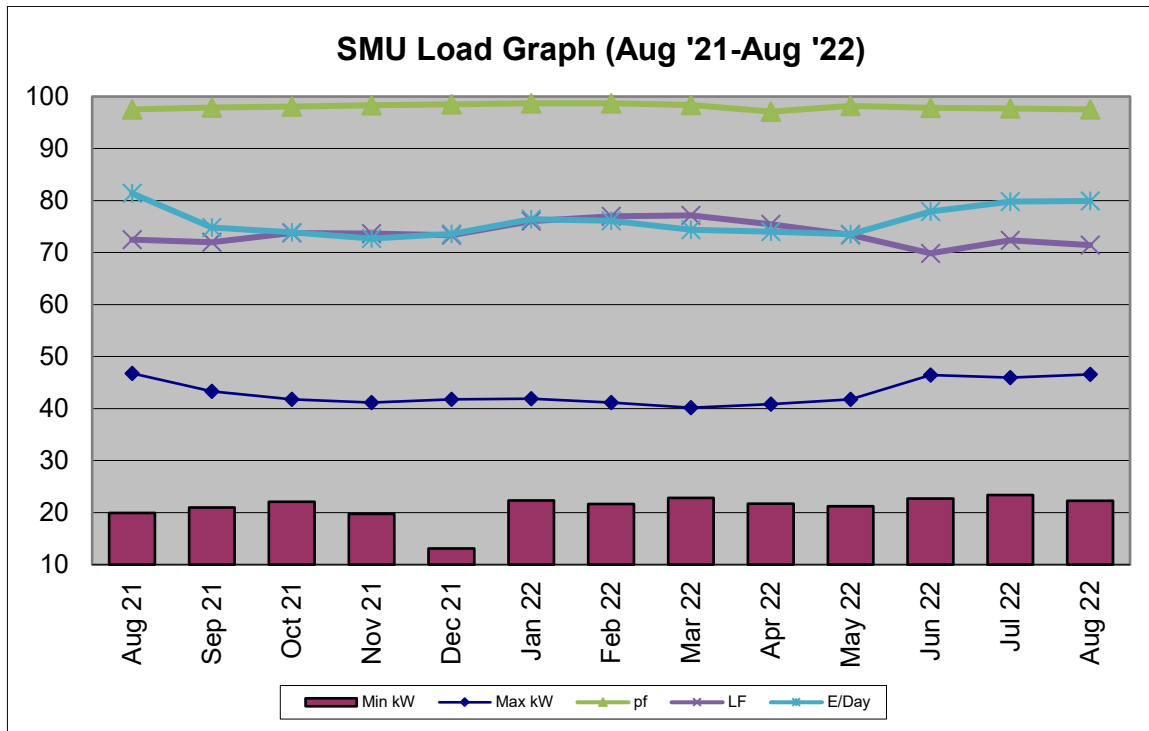


Reliability Comparison - US Energy Information Administration's Website

	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
Aug. 2022	46.59	22.27	97.5	71.45	799
Jul. 2022	45.95	23.40	97.7	72.37	798
Jun. 2022	46.46	22.72	97.8	69.86	779
May 2022	41.75	21.24	98.2	73.39	735
Apr. 2022	40.87	21.74	97.1	75.46	740
Mar. 2022	40.17	22.86	98.4	77.15	744
Feb. 2022	41.19	21.66	98.7	76.99	761
Jan. 2022	41.88	22.33	98.7	76.03	764
Dec. 2021	41.81	13.08	98.5	73.32	736
Nov. 2021	41.14	19.76	98.3	73.66	727
Oct. 2021	41.75	22.10	98.1	73.79	739
Sep. 2021	43.31	21.01	97.9	72.00	748
Aug. 2021	46.78	19.95	97.5	72.49	814



## ADMINISTRATION

### SMU Facilities

September 6<sup>th</sup> is “pencils down” day for Dimension IV 50% design effort. The D-IV team will deliver 50% drawings/plans and specs delivered to Miron Construction for estimating by the 6<sup>th</sup>. The Miron team has committed to producing their 50% cost estimates for SMU staff review on September 26<sup>th</sup> and both Miron and D-IV will present their plans and estimates to the SMU Commission at a special meeting on Monday October 3<sup>rd</sup>. Attached is a Financial Impact Analysis based on relatively conservative assumptions as we understand them now. I will discuss in detail at the meeting.

Also attached is a rate comparison of a monthly residential bill for those largest municipal utilities that we regularly compare Shawano to.

And, I have included an information flyer that Marshfield Utilities used to inform customers of their current building project. Many of the issues Marshfield identified are applicable to Shawano.

### GM Succession Planning

The application period is ongoing, and I am not aware of any new activity on scheduling future meetings.

### 2022 Test Year Rate Case

The rate case is grinding along with the PSC Staff having issued their Revenue Requirement findings on the

### Asset Management Software

We have not made a final selection yet but intend to for the October meeting.

### **Budget Season Planning**

Staff meet on August 30 to go over the first draft of the 2023 operating budgets. There are no big surprises and virtually all of the cost increases we expect are related to labor and benefit costs. Fortunately, we have been told not to expect an increase in Health Insurance rates next year despite having to select a new carrier. WEA Trust is leaving the business at the end of 2022.

### **AGENDA BILL**

---

Motion by Milavitz, seconded by Keuschel to approve the updated job descriptions for the Lead Journeyman Lineworker and the Lineworker. Motion carried.

Meeting adjourned by Pescinski at 5:33 p.m.

Respectfully submitted by,

Robert Koepp  
Secretary