

AGENDA
PUBLIC UTILITIES COMMISSION
August 3, 2022
3:00 P.M.

A. Call to Order

B. Roll Call

C. Approve Consent Agenda

1. Approve Agenda
2. Approve Meeting Minutes
3. Payments Report

D. Water/Wastewater Report

-Wastewater Facility Study, Scott Schaefer, AE2S

E. EV Charging Summary

F. Adjourn

Public Utilities Commission Meeting
Minutes
June 1st, 2022

The meeting was called to order by Commissioner Schulte at 3:05 p.m.

Members present: Charles Hathaway, Bill Hansen, and Craig Schulte

Absent:

Staff Present: Patrick Knight and Shane Steele

Motion by Hathaway, seconded by Hansen to approve the Agenda; April 6, 2022 Minutes; and Payment of Bills. Approved unanimously.

Dave Geschwind & Joe Hoffman of SMMPA gave an overview of the organization's governance, operations, agency and government relations, and rates and finances.

Shane Steele outlined the details of a special billing rate to encourage EV operators to charge during off-peak times.

Motion by Hansen, seconded by Hathaway to approve the EV Rate Pilot Program.

The meeting was adjourned at 4:46 p.m.



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Payments

Current Period: May 2022

Payments Batch 06-09-22AP		\$44,329.39
Refer	83927 <i>G&G SEPTIC</i>	-
Cash Payment	E 602-49480-317 Contracted Services	\$17,989.00
Invoice	25607 6/1/2022	
Transaction Date	6/2/2022	Total \$17,989.00
Refer	83933 <i>POLLARDWATER</i>	-
Cash Payment	E 601-49430-404 Repairs/Maint Machinery	\$694.41
Invoice	0215372 5/31/2022	
Transaction Date	6/2/2022 MAIN CHECKING G 10100	Total \$694.41
Refer	83934 <i>BUCK S HARDWARE HANK</i>	-
Cash Payment	E 602-49480-300 Professional Svcs (GENE 1160	\$82.86
Invoice	10284591 5/31/2022	
Cash Payment	E 602-49480-210 Operating Supplies (GEN 1160	\$232.65
Invoice	10284694 5/31/2022	
Cash Payment	E 604-49570-210 Operating Supplies (GEN 2088	\$140.05
Invoice	10284964 5/31/2022	
Transaction Date	6/2/2022 MAIN CHECKING G 10100	Total \$455.56
Refer	83935 <i>LHB ENGINEERS & ARCHITECTS</i>	-
Cash Payment	E 602-49431-303 Engineering Fees	\$277.50
Invoice	160861.00-37 5/25/2022	
Transaction Date	6/2/2022 MAIN CHECKING G 10100	Total \$277.50
Refer	83937 <i>STUART C IRBY CO</i>	-
Cash Payment	E 604-49570-210 Operating Supplies (GEN	\$668.61
Invoice	S012924638.003 5/20/2022	
Cash Payment	E 604-49570-210 Operating Supplies (GEN	\$693.88
Invoice	S012700844.005 5/20/2022	
Cash Payment	E 604-49570-210 Operating Supplies (GEN	\$1,406.71
Invoice	S013016728.001 5/23/2022	
Transaction Date	6/2/2022 MAIN CHECKING G 10100	Total \$2,769.20
Refer	83938 <i>GREG LYKINS</i>	-
Cash Payment	E 604-49590-330 Transportation/School	\$486.72
Invoice	1 5/19/2022	
Transaction Date	6/2/2022 MAIN CHECKING G 10100	Total \$486.72
Refer	83939 <i>US BANK</i>	-
Cash Payment	E 601-47027-611 Bond Interest	\$493.63
Invoice	174 5/20/2022	
Cash Payment	E 601-47027-620 Fiscal Agent s Fees	\$131.66
Invoice	174 5/20/2022	
Transaction Date	6/2/2022 MAIN CHECKING G 10100	Total \$625.29
Refer	83941 <i>ARROWHEAD COOPERATIVE</i>	<u>Ck# 005649E 6/2/2022</u>
Cash Payment	E 604-49590-321 Telephone 2088	\$108.71
Invoice	2244 6/1/2022	
Cash Payment	E 602-49490-321 Telephone 1160	\$129.83
Invoice	2121 6/1/2022	
Transaction Date	6/2/2022 MAIN CHECKING G 10100	Total \$238.54



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Payments

Current Period: May 2022

Refer	83942	DGR ENGINEERING	-				
Cash Payment	E 604-49551-317	Contracted Services				\$1,835.50	
Invoice	253677	5/17/2022					
Transaction Date	6/2/2022	MAIN CHECKING G	10100	Total		\$1,835.50	
Refer	83944	HAWKINS, INC.	-				
Cash Payment	E 601-49420-218	Operating Supplies- Che				\$20.00	
Invoice	6185502	5/15/2022					
Transaction Date	6/2/2022	MAIN CHECKING G	10100	Total		\$20.00	
Refer	83947	MN DEPT OF HEALTH-DRINKING	-				
Cash Payment	G 601-20803	State Water Connection Fee				\$1,759.00	
Invoice	1160001	4/1/2022					
Transaction Date	6/2/2022	MAIN CHECKING G	10100	Total		\$1,759.00	
Refer	83949	ZIEGLER INC.	-				
Cash Payment	E 604-49570-210	Operating Supplies (GEN				\$48.74	
Invoice	IN000552820	5/25/2022					
Transaction Date	6/2/2022	MAIN CHECKING G	10100	Total		\$48.74	
Refer	83954	GRAND MARAIS AUTO PARTS, INC	-				
Cash Payment	E 604-49570-210	Operating Supplies (GEN 2088				\$29.88	
Invoice	818225	5/18/2022					
Cash Payment	E 601-49430-404	Repairs/Maint Machinery 1160				\$314.79	
Invoice	817026	4/28/2022					
Transaction Date	6/2/2022	MAIN CHECKING G	10100	Total		\$344.67	
Refer	83963	LEAGUE OF MN CITIES INSURANC	-				
Cash Payment	E 602-49490-360	Insurance (GENERAL) CLAIM# 000000115157				\$3,659.94	
Invoice	7290	5/27/2022					
Transaction Date	6/2/2022	MAIN CHECKING G	10100	Total		\$3,659.94	
Refer	83964	AMERICAN SAFETY UTILITY CORP	-				
Cash Payment	E 604-49570-210	Operating Supplies (GEN				\$47.16	
Invoice	460007	5/31/2022					
Transaction Date	6/2/2022	MAIN CHECKING G	10100	Total		\$47.16	
Refer	83967	FELD FIRE	-				
Cash Payment	E 604-49570-241	Safety Equipment				\$518.46	
Invoice	FF54769	5/27/2022					
Transaction Date	6/2/2022	MAIN CHECKING G	10100	Total		\$518.46	
Refer	83968	GOPHER STATE ONE CALL	-				
Cash Payment	E 601-49440-317	Contracted Services				\$44.55	
Invoice	2050998	5/31/2022					
Transaction Date	6/2/2022	MAIN CHECKING G	10100	Total		\$44.55	
Refer	83971	MIELKE ELECTRIC WORKS	-				
Cash Payment	E 602-49480-404	Repairs/Maint Machinery				\$3,553.07	
Invoice	0103297	5/17/2022					
Transaction Date	6/2/2022	MAIN CHECKING G	10100	Total		\$3,553.07	
Refer	83975	PUBLIC UTILITIES COMMISSION1	-				
Cash Payment	E 602-49451-380	Utility Services (GENER				\$1,564.11	
Invoice	JUNE2022	6/1/2022					



Payments

Current Period: May 2022

Cash Payment	E 602-49480-380 Utility Services (GENER			\$3,994.34
Invoice	JUNE2022	6/1/2022		
Cash Payment	E 601-49420-380 Utility Services (GENER			\$3,198.32
Invoice	JUNE2022	6/1/2022		
Cash Payment	E 604-49551-380 Utility Services (GENER			\$34.98
Invoice	JUNE2022	6/1/2022		
Cash Payment	E 604-49558-380 Utility Services (GENER			\$170.33
Invoice	JUNE2022	6/1/2022		
Transaction Date	6/2/2022	MAIN CHECKING G	10100	Total \$8,962.08

Fund Summary

101 GENERAL FUND	\$11,666.67
211 LIBRARY	\$41.96
602 SEWER	\$17,989.00
	<u>\$29,697.63</u>
10100 MAIN CHECKING GMSB	
101 GENERAL FUND	\$20,352.82
211 LIBRARY	\$2,339.67
215 LIBRARY RESTRICTED FUND	\$1,179.48
601 WATER	\$6,656.36
602 SEWER	\$13,494.30
604 ELECTRIC	\$6,189.73
609 MUNICIPAL LIQUOR FUND	\$305.87
	<u>\$50,518.23</u>

Pre-Written Checks	\$238.54
Checks to be Generated by the Computer	\$44,090.85
Total	<u>\$44,329.39</u>



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Payments

Current Period: June 2022

Payments Batch 6-17-22 APP		\$132,505.94	
Refer	83982 MINNESOTA DEPARTMENT OF CO		
Cash Payment	E 604-49590-390 Conservation Improve		\$544.65
Invoice	1000047946 6/1/2022		
Transaction Date	6/10/2022	MAIN CHECKING G 10100	Total \$544.65
Refer	83991 NEON LINK		
Cash Payment	E 604-49590-310 Service Agreements		\$463.80
Invoice	2278 5/27/2022		
Cash Payment	E 601-49440-310 Service Agreements		\$130.45
Invoice	2278 5/27/2022		
Cash Payment	E 602-49490-310 Service Agreements		\$130.45
Invoice	2278 5/27/2022		
Transaction Date	6/10/2022	MAIN CHECKING G 10100	Total \$724.70
Refer	83995 RMB ENVIROMENTAL LABORATO		
Cash Payment	E 601-49420-300 Professional Srvs (GENE		\$50.00
Invoice	H006327 6/2/2022		
Transaction Date	6/10/2022	MAIN CHECKING G 10100	Total \$50.00
Refer	83999 COOK COUNTY HOME CENTER		
Cash Payment	E 602-49480-210 Operating Supplies (GEN 1160		\$42.76
Invoice	10332 5/31/2022		
Cash Payment	E 601-49430-220 Repair/Maint Supply (GE 1160		\$42.28
Invoice	10332 5/31/2022		
Cash Payment	E 601-49420-221 Equipment Parts/Building 1160		\$18.32
Invoice	10332 5/31/2022		
Cash Payment	E 604-49570-210 Operating Supplies (GEN 2088		\$160.17
Invoice	10332 5/31/2022		
Transaction Date	6/10/2022	MAIN CHECKING G 10100	Total \$263.53
Refer	84000 G&G SEPTIC		
Cash Payment	E 602-49451-317 Contracted Services		\$125.00
Invoice	25566 5/31/2022		
Transaction Date	6/10/2022	MAIN CHECKING G 10100	Total \$125.00
Refer	84001 UTILITY CONSULTANTS, INC		
Cash Payment	E 602-49480-300 Professional Srvs (GENE		\$759.84
Invoice	112513 6/2/2022		
Transaction Date	6/10/2022	MAIN CHECKING G 10100	Total \$759.84
Refer	84004 SMMPA	Ck# 005653E 6/17/2022	
Cash Payment	E 604-49560-388 Purchase Power		\$114,206.42
Invoice	654 5/31/2022		
Transaction Date	6/10/2022	MAIN CHECKING G 10100	Total \$114,206.42
Refer	84018 MPCA		
Cash Payment	E 602-49490-439 Licenses	Application for wastewater certification examination	\$55.00
Invoice	6/13/2022		
Transaction Date	6/13/2022	MAIN CHECKING G 10100	Total \$55.00
Refer	84019 MINNESOTA WASTEWATER OPER		



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Payments

Current Period: June 2022

Cash Payment	E 602-49490-330 Transportation/School	MWOA 2022 CONFERENCE REGISTRATION	\$340.00
Invoice 2022	6/1/2022		
Transaction Date	6/13/2022	MAIN CHECKING G 10100	Total \$340.00
Refer	84028 MN DEPT OF REVENUE-EFTPS	Ck# 005660E 6/13/2022	
Cash Payment	G 601-20800 Taxes Due (State MN)		\$799.00
Invoice 1-153-038-752	5/31/2022		
Cash Payment	G 604-20800 Taxes Due (State MN)		\$13,579.00
Invoice 1-153-038-752	5/31/2022		
Transaction Date	6/13/2022	MAIN CHECKING G 10100	Total \$14,378.00
Refer	84030 VISA	Ck# 005661E 6/10/2022	
Cash Payment	E 602-49490-310 Service Agreements		\$113.78
Invoice 3519	6/2/2022		
Cash Payment	E 604-49590-330 Transportation/School		\$426.56
Invoice 3519	6/2/2022		
Cash Payment	E 604-49570-241 Safety Equipment		\$518.46
Invoice 3519	6/2/2022		
Transaction Date	6/14/2022	MAIN CHECKING G 10100	Total \$1,058.80

Fund Summary

	10100 MAIN CHECKING GMSB	
		\$0.00
101 GENERAL FUND		\$63,815.54
211 LIBRARY		\$33.00
601 WATER		\$1,040.05
602 SEWER		\$1,566.83
604 ELECTRIC		\$129,899.06
609 MUNICIPAL LIQUOR FUND		\$79,175.72
		<u>\$275,530.20</u>

Pre-Written Checks	\$129,643.22
Checks to be Generated by the Computer	\$2,862.72
Total	<u>\$132,505.94</u>



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Payments

Current Period: June 2022

Payments Batch 6-30-22AP

\$144,358.30

Refer	84069	WEX BANK		Ck# 005670E 6/30/2022	
Cash Payment	E 604-49570-212	Motor Fuels			\$132.17
Invoice	81502672	6/15/2022			
Cash Payment	E 601-49440-212	Motor Fuels			\$37.76
Invoice	81502672	6/15/2022			
Cash Payment	E 602-49490-212	Motor Fuels			\$37.76
Invoice	81502672	6/15/2022			
Cash Payment	E 601-49440-212	Motor Fuels	7560-00-133251-9		\$206.35
Invoice	81500928	6/15/2022			
Cash Payment	E 602-49490-212	Motor Fuels			\$206.35
Invoice	81500928	6/15/2022			
Cash Payment	E 604-49570-212	Motor Fuels	7560-00-133254-3		\$214.46
Invoice	81482465	6/15/2022			
Transaction Date	6/22/2022		MAIN CHECKING G 10100	Total	\$834.85
Refer	84071	STEVE S SPORTS AND AUTO		-	
Cash Payment	E 601-49430-404	Repairs/Maint Machinery	1160		\$43.50
Invoice	299728	5/12/2022			
Transaction Date	6/22/2022		MAIN CHECKING G 10100	Total	\$43.50
Refer	84074	MY BROTHERS PLACE AUTO REP		-	
Cash Payment	E 604-49570-220	Repair/Maint Supply (GE			\$1,596.68
Invoice	8651	6/18/2022			
Transaction Date	6/22/2022		MAIN CHECKING G 10100	Total	\$1,596.68
Refer	84077	HAWKINS, INC.		-	
Cash Payment	E 601-49420-218	Operating Supplies- Che			\$1,268.30
Invoice	6202787	6/2/2022			
Transaction Date	6/22/2022		MAIN CHECKING G 10100	Total	\$1,268.30
Refer	84079	GRANITE ELECTRIC, LLC		-	
Cash Payment	E 604-49570-317	Contracted Services			\$95.00
Invoice	2022.1242	6/13/2022			
Transaction Date	6/22/2022		MAIN CHECKING G 10100	Total	\$95.00
Refer	84080	US BANK		-	
Cash Payment	E 601-47027-611	Bond Interest			\$493.63
Invoice		6/20/2022			
Cash Payment	E 601-47027-620	Fiscal Agent s Fees			\$134.40
Invoice		6/20/2022			
Transaction Date	6/22/2022		MAIN CHECKING G 10100	Total	\$628.03
Refer	84083	QUALITY FLOW SYSTEMS, INC		-	
Cash Payment	E 601-49430-580	Capital Outlay (Equipme			\$68,460.00
Invoice	43086	6/10/2022			
Transaction Date	6/22/2022		MAIN CHECKING G 10100	Total	\$68,460.00
Refer	84084	METERING & TECHNOLOGY SOLU		-	
Cash Payment	E 601-49430-220	Repair/Maint Supply (GE			\$3,557.34
Invoice	23217	6/13/2022			
Transaction Date	6/22/2022		MAIN CHECKING G 10100	Total	\$3,557.34



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Payments

Current Period: June 2022

Refer	84085	JAVA MOOSE	-		
Cash Payment	E 604-49590-200	Office Supplies (GENER			\$60.00
Invoice	1080	6/2/2022			
Transaction Date	6/22/2022	MAIN CHECKING G	10100	Total	\$60.00
Refer	84090	PSN		Ck# 005671E 6/30/2022	
Cash Payment	E 601-49440-432	Credit Card Charges			\$166.05
Invoice	260151	5/31/2022			
Cash Payment	E 604-49590-432	Credit Card Charges			\$590.40
Invoice	260151	5/31/2022			
Cash Payment	E 602-49490-432	Credit Card Charges			\$166.05
Invoice	260151	5/31/2022			
Transaction Date	6/23/2022	MAIN CHECKING G	10100	Total	\$922.50
Refer	84092	STUART C IRBY CO	-		
Cash Payment	E 604-49570-210	Operating Supplies (GEN			\$71.18
Invoice	S013027330.001	6/9/2022			
Cash Payment	E 604-49570-210	Operating Supplies (GEN			\$3,414.58
Invoice	S013027330.001	6/9/2022			
Cash Payment	E 604-49570-210	Operating Supplies (GEN			\$339.97
Invoice	S012747786.001	12/4/2021			
Cash Payment	E 604-49570-210	Operating Supplies (GEN			\$771.09
Invoice	S012747786	11/30/2021			
Cash Payment	E 604-49570-210	Operating Supplies (GEN			\$493.11
Invoice	S013033933.001	6/13/2022			
Cash Payment	E 604-49570-210	Operating Supplies (GEN			\$8,865.08
Invoice	S012898181.002	6/20/2022			
Cash Payment	E 604-49570-210	Operating Supplies (GEN			\$49,148.57
Invoice	S012760777.001	6/21/2022			
Transaction Date	6/23/2022	MAIN CHECKING G	10100	Total	\$63,103.58
Refer	84093	TEAM LABORATORY CHEMICAL C	-		
Cash Payment	E 602-49480-210	Operating Supplies (GEN			\$1,758.00
Invoice	INV0030771	6/6/2022			
Transaction Date	6/23/2022	MAIN CHECKING G	10100	Total	\$1,758.00
Refer	84096	STAR ENERGY SERVICES	-		
Cash Payment	E 604-49559-310	Service Agreements			\$2,000.00
Invoice	INV0002382	6/17/2022			
Transaction Date	6/23/2022	MAIN CHECKING G	10100	Total	\$2,000.00
Refer	84099	CENTURYLINK	-		
Cash Payment	E 601-49440-321	Telephone	1788		\$30.52
Invoice	218387-1788 617	6/1/2022			
Transaction Date	6/23/2022	MAIN CHECKING G	10100	Total	\$30.52



Payments

Current Period: June 2022

Fund Summary

101 GENERAL FUND	\$56.30
211 LIBRARY	\$264.19
	<u>\$320.49</u>
10100 MAIN CHECKING GMSB	\$0.00
101 GENERAL FUND	\$69,145.25
211 LIBRARY	\$1,634.59
215 LIBRARY RESTRICTED FUND	\$690.90
301 DEBT SERVICE FUND	\$49,693.75
601 WATER	\$74,397.85
602 SEWER	\$2,168.16
604 ELECTRIC	\$67,792.29
	<u>\$265,522.79</u>

Pre-Written Checks	\$1,757.35
Checks to be Generated by the Computer	\$142,600.95
Total	<u>\$144,358.30</u>



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Payments

Current Period: July 2022

Payments Batch 7-15-22AP		\$57,753.81
Refer	84134 <i>SMMPA</i>	-
Cash Payment	E 601-49440-310 Service Agreements	\$12.75
Invoice	INV657 5/31/2022	
Cash Payment	E 604-49590-310 Service Agreements	\$417.00
Invoice	INV657 5/31/2022	
Cash Payment	E 602-49490-310 Service Agreements	\$12.75
Invoice	INV657 5/31/2022	
Transaction Date	7/5/2022	Total \$442.50
	MAIN CHECKING G 10100	
Refer	84135 <i>NORTH SHORE WASTE</i>	-
Cash Payment	E 602-49480-384 Refuse/Garbage Dispos	\$23.40
Invoice	82608 6/30/2022	
Transaction Date	7/5/2022	Total \$23.40
	MAIN CHECKING G 10100	
Refer	84136 <i>GRAND MARAIS AUTO PARTS, INC</i>	-
Cash Payment	E 604-49570-210 Operating Supplies (GEN 2088	\$61.05
Invoice	820073 6/14/2022	
Transaction Date	7/5/2022	Total \$61.05
	MAIN CHECKING G 10100	
Refer	84137 <i>DGR ENGINEERING</i>	-
Cash Payment	E 604-49551-317 Contracted Services	\$553.50
Invoice	254386 6/20/2022	
Transaction Date	7/5/2022	Total \$553.50
	MAIN CHECKING G 10100	
Refer	84138 <i>HAWKINS, INC.</i>	-
Cash Payment	E 601-49420-218 Operating Supplies- Che	\$20.00
Invoice	6211630 6/15/2022	
Transaction Date	7/5/2022	Total \$20.00
	MAIN CHECKING G 10100	
Refer	84139 <i>NEON LINK</i>	<u>Ck# 005677E 7/15/2022</u>
Cash Payment	E 604-49590-310 Service Agreements	\$56.16
Invoice	2281 6/10/2022	
Cash Payment	E 601-49440-310 Service Agreements	\$15.79
Invoice	2281 6/10/2022	
Cash Payment	E 602-49490-310 Service Agreements	\$15.80
Invoice	2281 6/10/2022	
Cash Payment	E 604-49590-310 Service Agreements	\$450.70
Invoice	2284 6/30/2022	
Cash Payment	E 601-49440-310 Service Agreements	\$126.76
Invoice	2284 6/30/2022	
Cash Payment	E 602-49490-310 Service Agreements	\$126.76
Invoice	2284 6/30/2022	
Transaction Date	7/5/2022	Total \$791.97
	MAIN CHECKING G 10100	
Refer	84140 <i>MN PUBLIC FACILITIES AUTHORIT</i>	-
Cash Payment	E 601-47019-611 Bond Interest	\$1,302.95
Invoice	LOAN REPAYME 6/27/2022	
Transaction Date	7/5/2022	Total \$1,302.95
	MAIN CHECKING G 10100	
Refer	84149 <i>HACH COMPANY</i>	-
Cash Payment	E 601-49420-210 Operating Supplies (GEN	\$491.21
Invoice	13108324 6/22/2022	



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Payments

Current Period: July 2022

Cash Payment	E 601-49420-210 Operating Supplies (GEN				\$416.16
Invoice	13114125	6/27/2022			
Transaction Date	7/5/2022	MAIN CHECKING G	10100	Total	\$907.37
Refer	84150	ALLIED GENERATORS	-		
Cash Payment	E 604-49551-317 Contracted Services				\$4,096.95
Invoice	31438	6/16/2022			
Transaction Date	7/5/2022	MAIN CHECKING G	10100	Total	\$4,096.95
Refer	84151	QUALITY FLOW SYSTEMS, INC	-		
Cash Payment	E 601-49420-221 Equipment Parts/Building				\$1,821.30
Invoice	43164	6/24/2022			
Transaction Date	7/5/2022	MAIN CHECKING G	10100	Total	\$1,821.30
Refer	84156	GREAT RIVER ENERGY	-		
Cash Payment	E 604-49551-317 Contracted Services				\$13,078.04
Invoice	M1578091	6/30/2022			
Transaction Date	7/5/2022	MAIN CHECKING G	10100	Total	\$13,078.04
Refer	84157	STUART C IRBY CO	-		
Cash Payment	E 604-49570-210 Operating Supplies (GEN				\$213.33
Invoice	S013026983.001	6/30/2022			
Transaction Date	7/5/2022	MAIN CHECKING G	10100	Total	\$213.33
Refer	84158	BUCK S HARDWARE HANK	-		
Cash Payment	E 604-49570-220 Repair/Maint Supply (GE 2088				\$78.83
Invoice	10293142	6/13/2022			
Cash Payment	E 602-49480-300 Professional Srvs (GENE 1160				\$73.20
Invoice	10288334	6/1/2022			
Cash Payment	E 601-49420-210 Operating Supplies (GEN 1160				\$63.53
Invoice	10288710	6/2/2022			
Transaction Date	7/5/2022	MAIN CHECKING G	10100	Total	\$215.56
Refer	84159	JAVA MOOSE	-		
Cash Payment	E 604-49590-200 Office Supplies (GENER				\$60.00
Invoice	1088	6/24/2022			
Transaction Date	7/5/2022	MAIN CHECKING G	10100	Total	\$60.00
Refer	84160	FERGUSON WATERWORKS#2518	-		
Cash Payment	E 601-49430-382 Fire Hydrant Utilities				\$4,518.56
Invoice	0489381-1	6/20/2022			
Cash Payment	E 601-49430-382 Fire Hydrant Utilities				-\$4,198.70
Invoice	PYCK83569*1	6/29/2022			
Cash Payment	E 601-49430-210 Operating Supplies (GEN				\$289.34
Invoice	0492520	5/6/2022			
Cash Payment	E 601-49440-241 Safety Equipment				\$194.74
Invoice	0487824	4/28/2022			
Cash Payment	E 601-49440-241 Safety Equipment				\$105.88
Invoice	0487824-1	6/7/2022			
Cash Payment	E 601-49430-220 Repair/Maint Supply (GE				\$151.84
Invoice	0494406	6/20/2022			
Cash Payment	E 601-49430-220 Repair/Maint Supply (GE				\$2,114.78
Invoice	0494326	6/20/2022			



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Payments

Current Period: July 2022

Cash Payment	E 601-49430-382 Fire Hydrant Utilities				-\$769.12
Invoice	PY0490245*1	5/2/2022			
Transaction Date	7/5/2022	MAIN CHECKING G	10100	Total	\$2,407.32
Refer	84161	<i>PUBLIC UTILITIES COMMISSION1</i>	<u>Ck# 005680E 7/15/2022</u>		
Cash Payment	E 602-49451-380 Utility Services (GENER				\$1,213.18
Invoice	JULY2022	7/1/2022			
Cash Payment	E 602-49480-380 Utility Services (GENER				\$3,825.39
Invoice	JULY2022	7/1/2022			
Cash Payment	E 601-49420-380 Utility Services (GENER				\$3,034.86
Invoice	JULY2022	7/1/2022			
Cash Payment	E 604-49551-380 Utility Services (GENER				\$35.49
Invoice	JULY2022	7/1/2022			
Cash Payment	E 604-49558-380 Utility Services (GENER				\$353.07
Invoice	JULY2022	7/1/2022			
Transaction Date	7/5/2022	MAIN CHECKING G	10100	Total	\$8,461.99
Refer	84162	<i>COOK COUNTY HOME CENTER</i>	-		
Cash Payment	E 604-49570-220 Repair/Maint Supply (GE	2088			\$16.22
Invoice	313912	6/2/2022			
Cash Payment	E 604-49570-220 Repair/Maint Supply (GE	2088			\$291.35
Invoice	314901	6/20/2022			
Cash Payment	E 604-49570-220 Repair/Maint Supply (GE	2088			-\$112.06
Invoice	314997	6/21/2022			
Cash Payment	E 601-49420-210 Operating Supplies (GEN	1160			\$81.94
Invoice	315418	6/1/2022			
Transaction Date	7/7/2022	MAIN CHECKING G	10100	Total	\$277.45
Refer	84163	<i>EDWIN E. THORESON, INC.</i>	-		
Cash Payment	E 604-49570-220 Repair/Maint Supply (GE				\$1,343.00
Invoice	29059	6/30/2022			
Transaction Date	7/7/2022	MAIN CHECKING G	10100	Total	\$1,343.00
Refer	84164	<i>ARROWHEAD COOPERATIVE</i>	<u>Ck# 005679E 7/15/2022</u>		
Cash Payment	E 604-49590-321 Telephone	2088			\$111.60
Invoice	2244	7/1/2022			
Cash Payment	E 602-49490-321 Telephone	1160			\$129.63
Invoice	2121	7/1/2022			
Transaction Date	7/7/2022	MAIN CHECKING G	10100	Total	\$241.23
Refer	84165	<i>GOPHER STATE ONE CALL</i>	-		
Cash Payment	E 604-49590-317 Contracted Services				\$47.25
Invoice	2060998	6/30/2022			
Transaction Date	7/7/2022	MAIN CHECKING G	10100	Total	\$47.25
Refer	84175	<i>G&G SEPTIC</i>	-		
Cash Payment	E 602-49480-317 Contracted Services				\$19,918.50
Invoice	25876	6/30/2022			
Transaction Date	7/7/2022	MAIN CHECKING G	10100	Total	\$19,918.50
Refer	84183	<i>UTILITY CONSULTANTS, INC</i>	-		
Cash Payment	E 602-49480-300 Professional Svcs (GENE				\$655.67
Invoice	112852	6/29/2022			



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Payments

Current Period: July 2022

Transaction Date	7/7/2022	MAIN CHECKING G 10100	Total	\$655.67
Refer	84186 PSN	-		
Cash Payment	E 604-49590-432 Credit Card Charges			\$520.63
Invoice 261766	6/1/2022			
Cash Payment	E 601-49440-432 Credit Card Charges			\$146.42
Invoice 261766	6/1/2022			
Cash Payment	E 602-49490-432 Credit Card Charges			\$146.43
Invoice 261766	6/1/2022			
Transaction Date	7/7/2022	MAIN CHECKING G 10100	Total	\$813.48

Fund Summary

	10100 MAIN CHECKING GMSB	
101 GENERAL FUND		\$54,952.37
211 LIBRARY		\$1,391.87
215 LIBRARY RESTRICTED FUND		\$29,945.82
601 WATER		\$9,940.99
602 SEWER		\$26,140.71
604 ELECTRIC		\$21,672.11
609 MUNICIPAL LIQUOR FUND		\$386.41
		<u>\$144,430.28</u>

Pre-Written Checks	\$9,495.19
Checks to be Generated by the Computer	\$48,258.62
Total	<u>\$57,753.81</u>

City of Grand Marais

MEMO

TO: Grand Marais Public Utilities Commission
FROM: Mike Roth, City Administrator
DATE: July 29, 2022
SUBJECT: Wastewater Facility Study

Summary

We have been working with Scott Schaefer, an engineer with AE2S, on a variety of planning for wastewater facility improvements. Scott will attend the meeting virtually to provide a report on the work he will be doing, including the attached scope of work related to odor issues.

EXHIBIT 1

SCOPE OF SERVICES

Subject to the terms of this Contract, CONSULTANT shall perform the following services:

Overview of WWTF Improvement Options

1. **Biosolids Odor Control**: Similar to many mechanical wastewater treatment facilities (“WWTF”) with aerobic digestion or aerated sludge holding tanks, the Grand Marais WWTF’s aerated sludge holding tanks experience seasonal odors. The proximity of neighbors creates the potential for odor complaints. An odor control system (likely granular activated carbon, GAC) could significantly mitigate the odors via odor removal from the sludge tank headspace. A similar system has been installed in Otsego, MN (aerobic digestion, close neighbors, previous odor/noise complaints) with satisfactory results. The option would include holding tank air capture piping, an odor control system (air handling fan, optional sound attenuation enclosure, GAC vessel, associated controls, associated electrical connections, associated site improvements).
2. **WAS Piping Modifications**: The existing piping configuration requires waste activated sludge (WAS) to be routed through the aerated sludge holding tanks to be loaded onto a tanker truck for disposal. Modifications to allow a more flexible piping arrangement would allow operations staff to directly load WAS to tanker trucks to better manage the sludge inventory, particularly for odor management.
3. **Blower Piping Modifications**: The existing blower piping only allows for splitting of the air between the two aerated sludge holding tanks near the tanks. This can lead to unbalanced aeration between the two tanks as more air will flow to the tank with the lower liquid level (lower back pressure) even though the tank with the higher liquid level usually needs more air. Piping modifications would allow for de-coupling of the two tanks such that operations staff can independently manage the air flow to each tank and optimize the quasi-digestion to generate less odors. Even with odor control, this optimization will help extend the media life of the activated carbon.
4. **Oxidation Ditch Aerator Redundancy Improvements**: The facility planning effort identified that the oxidation ditch (liquid treatment aeration system) is operating without redundancy. Even with all aerators in service, the system seasonally struggles to maintain measurable residual dissolved oxygen in the system with the existing two brush aerators (dissolved oxygen should be at 2.0 mg/L). The low oxygen in the oxidation ditch limits the stabilization of the WAS before being wasted to the sludge holding tanks and could be contributing to the odor issues. A mechanical issue on one of the existing brush aerators during the peak summer season is also a risk for compliance. A potential improvement is to add a third aerator for redundancy and supplemental oxygen during the peak season. The conceptual design would include configuration and determination of associated electrical modification requirements.

Scope of Basic Services

AE2S will perform the following tasks:

1. Evaluate the four improvement options outlined above to generate a conceptual level design for each item.
2. Advantages and disadvantages of each of the above improvement options will be identified and included in a written technical memorandum to be discussed with staff and City Council.
3. An opinion of capital cost will be developed for each item listed above as well as any potential O&M cost impacts.
4. A schematic location drawing will be included for each item listed above.
5. Based upon the opinion of capital cost, O&M impacts, nature of the above improvement options, and other factors, an implementation strategy will be recommended for each improvement or group of improvements (i.e. the improvement(s) could potentially be implemented via solicited quotes if under the \$175,000 state bid threshold) with the intent to allow the City/PUC to decide which items to move forward for completion.
6. Documentation will be via a technical memorandum delivered as a PDF.

City of Grand Marais

MEMO

TO: Grand Marais Public Utilities Commission
FROM: Shane Steele, Sustainability Coordinator
DATE: July 21st, 2022
SUBJECT: EV Charging Programs Update

Home EV Charging Pilot

In mid-June the city publicized the pilot EV charging rate. Currently, four PUC customers have expressed interest, and one has followed through and signed up for the rate.

EV Charging Stations

The city's public EV charging stations have been active for one year. According to data collected by SMMPA, Grand Marais has one of the best performing charging locations among their 18 member cities. Some interesting data from the first year of charging:

- The first recorded charging session was on July 7th 2021. In the first year there were 604 total charging sessions across all three devices which used 12,000kW of electricity.
- 95% of the charging sessions were at the downtown location.
- 28% of the charging sessions utilized the DC Fast Charger.
- The average length of a charging session was 2 hours 39 minutes, with the longest charging session being 16 hours.
- Total fees collected were \$4,995, the utility retaining \$4,446. ZEF, a Minnesota EV distributor who manages the payment platform for Grand Marais' chargers, takes a 10% fee.

The following three graphs depict charging trends from all 604 charging sessions.

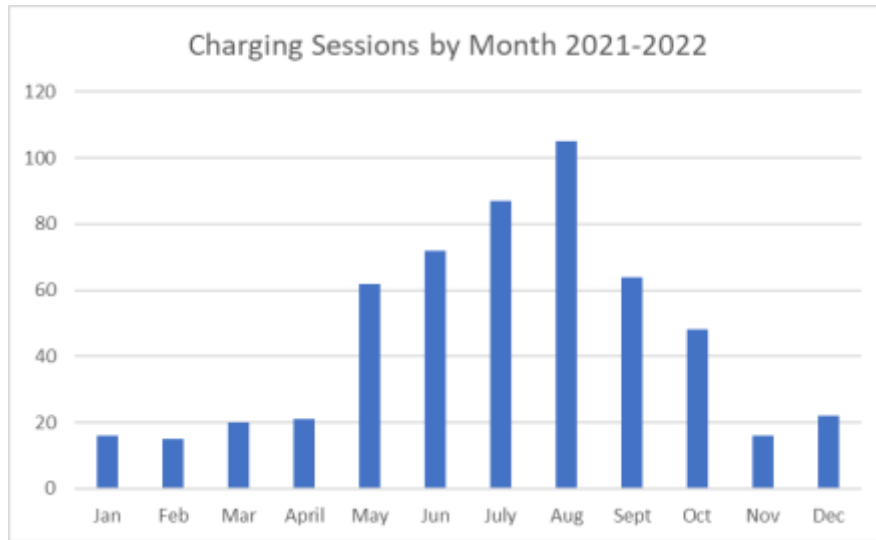


Figure 1: Number of charging sessions by month, Jul '21-Jun '22.



Figure 2: Number of charging sessions during each hour of the day.

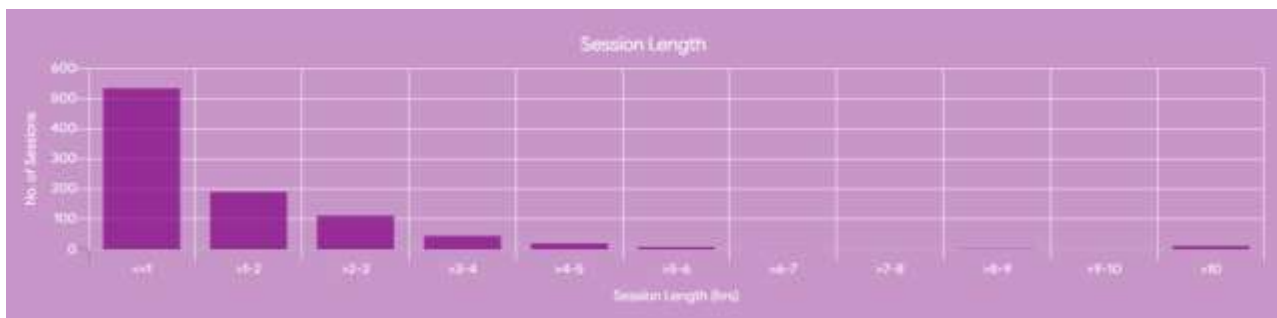


Figure 3: Length of charging sessions.