

AGENDA
PUBLIC UTILITIES COMMISSION
March 2, 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. Welcome New Commissioners

E. Water Controls Upgrade

F. Adjourn

***Public Utilities Commission Meeting
Minutes
November 3, 2021***

Meeting was called to order by Commissioner Possis at 3:00 p.m.

Members present: Annie Possis and Craig Schulte

Absent:

Staff Present: Mike Roth, Patrick Knight, Tom Nelson

Motion by Schulte, seconded by Possis to approve the Agenda; September 1, 2021 Minutes; and Payment of Bills. Approved unanimously.

Mike Roth presented the preliminary electric budget for 2022. Staff recommended no rate increase for electric.

Mike Roth presented the preliminary water budget for 2022. Staff recommended no rate increase for water. Superintendent Nelson discussed costs associated with leak detection & repair.

Mike Roth presented the preliminary wastewater budget for 2022. Staff recommended a rate increase of 3%.

Motion by Schulte, seconded by Possis to approve the preliminary budget and rate increase for the wastewater department. Approved unanimously.

Staff & Commission discussed the need for a third commissioner

The meeting was adjourned at 3:55 p.m.



Payments

Current Period: February 2022

Payments Batch 2-22JoynesRef \$30.12

Refer	83373 JOYNES DEPARTMENT STORE	-	
Cash Payment	G 604-11504 Undistributed Receipts	000000056700	\$30.12
Invoice			
Transaction Date	2/22/2022	MAIN CHECKING G 10100	Total \$30.12

Fund Summary

	10100 MAIN CHECKING GMSB	
604 ELECTRIC		\$30.12
		<u>\$30.12</u>

Pre-Written Checks	\$0.00
Checks to be Generated by the Computer	\$30.12
Total	<u>\$30.12</u>



CITY OF GRAND MARAIS

02/24/22 11:50 AM

Page 1

Payments

Current Period: February 2021

Payments Batch 2-25-22 APP		\$1,846.11		
Refer	83372 <i>SMMPA</i>	-		
Cash Payment	E 604-49570-317 Contracted Services			\$346.80
Invoice	INV395 9/30/2021			
Transaction Date	2/22/2022	MAIN CHECKING G 10100	Total	\$346.80
Refer	83393 <i>NEON LINK</i>	-		
Cash Payment	E 604-49590-310 Service Agreements	Replace check # 83241		\$453.42
Invoice	2172 12/28/2021			
Cash Payment	E 601-49440-310 Service Agreements	Replace check # 83241		\$127.52
Invoice	2172 12/28/2021			
Cash Payment	E 602-49490-310 Service Agreements	Replace check # 83241		\$127.52
Invoice	2172 12/28/2021			
Transaction Date	2/23/2022	MAIN CHECKING G 10100	Total	\$708.46
Refer	83398 <i>CENTURYLINK</i>	-		
Cash Payment	E 601-49440-321 Telephone			\$69.36
Invoice	218D24-1002 213 2/1/2022			
Cash Payment	E 601-49440-321 Telephone			\$69.36
Invoice	218D24-1001 916 2/1/2022			
Cash Payment	E 601-49440-321 Telephone			-\$31.63
Invoice	218387-1788 617 2/1/2022			
Transaction Date	2/24/2022	MAIN CHECKING G 10100	Total	\$107.09
Refer	83399 <i>US BANK</i>	-		
Cash Payment	E 601-47027-611 Bond Interest			\$538.50
Invoice	171 2/17/2022			
Cash Payment	E 601-47027-620 Fiscal Agent s Fees			\$145.26
Invoice	171 2/17/2022			
Transaction Date	2/24/2022	MAIN CHECKING G 10100	Total	\$683.76

Fund Summary

	10100 MAIN CHECKING GMSB	
101 GENERAL FUND		\$25,499.93
211 LIBRARY		\$82.20
601 WATER		\$918.37
602 SEWER		\$127.52
604 ELECTRIC		\$800.22
		\$27,428.24

Pre-Written Checks	\$0.00
Checks to be Generated by the Computer	\$1,846.11
Total	\$1,846.11

DATE: January, 26 2022

TO: Mike Roth, City Administrator
Grand Marais Public Utility Commission

FROM: Thomas Nelson
Wastewater/Water Superintendent

RE: New control panels for the potable water system.

The current control panels that run the potable water system, water treatment plant, middle silver dome reservoir and the moose reservoir are over 30 years old. Currently many parts are no longer available to fix the panels. Also, the controls currently can't dial out messages for alarms. The current system operates using leased line telemetry phone lines, which there are 2 hard copper dedicated phone lines that allow the reservoirs to communicate with the treatment plant and each other. We currently pay \$140.00 per month to lease the two lines. These lines are always breaking and getting them repaired and or replaced by the phone company is extremely difficult and frustrating. Many sections of the lines are currently lying on the ground. This year alone we have had animals eat the line and snowmobiles cut the line. This creates many reliability issues and potential health problems and unnecessary overtime for the staff.

Attached is a quotation for new control panels which will replace the old existing line telemetry panels with a new cellular based telemetry system. The project cost of the cell service is \$60.00 per month. The new control panels will have the capability of going full SCADA (Supervisory Control and Data Acquisition) which would allow the system to be fully automated in the future. I obtained only one quote due to the fact that the control panels are intrinsically tied into the chemical feed systems and other parameters of the treatment process and the electric engineer that designed the original system also would build the new system quoted which would make for a more seamless transition.

The project can be paid for by ARPA funds the city has already received for water infrastructure needs.

Please approve the quotation provided by Quality Flow.

Thomas Nelson
Water/Wastewater Superintendent.



Quotation

To: City of Grand Marais, MN

Date: 01/09/2022

From: Kevin Huson

Phone: (952) 758-9445

Attn: Tom Nelson

Engineer: N/A

Re: Grand Marais, MN - Cellular Telemetry Project

Quotation Number: 20220109BJTKH

Please find below our proposal which will replace the three-existing leased-line telemetry control panels with new cellular-based telemetry control panels. Functionality will be as existing.

Item A - Supervisory Control Panel:

One (1) NEMA 12 painted grey wall mount master control panel for operation on 120VAC, 1-phase service. The panel will display and control the start/stop set points of the two Raw Water Pumps (based on clearwell level), two Booster Pumps (based on upper reservoir level), and three Finished Water Pumps (based on lower reservoir level).

To include:

<u>Qty</u>	<u>Item Description</u>
1	Enclosure; NEMA 12 painted steel; 48"H x 36"W x 12"D
1	QCI Model 2500hd Master PLC with 12.1 inch color touchscreen operator interface
7	H-O-A switch; one for each pump
1	Cellular Radio; (Verizon)
1	Uninterruptable Power Supply
A/R	Relays / Sockets / Terminals
1	120VAC Surge arrestor
1	Alarm Dialer; Sensaphone 8-channel (existing dial-up phone line)
A/R	Programming, and training
A/R	Interface with existing MCC & associated chemical feed equipment

Field Items:

<u>Qty</u>	<u>Item Description</u>
1	Antenna; Hi-Gain; with 20 ft coaxial & mounting hardware
1	A1000i submersible level transducer; 4-20mA; 0-5 PSI; (clearwell level)

Item B - Lower Water Reservoir RTU Panel:

One (1) NEMA 4X 304 stainless steel wall mount RTU panel for operation on 120VAC, 1-phase service. The panel will display and transmit the level of the Lower Ground Storage Reservoir. It will communicate with the Master.

To include:

<u>Qty</u>	<u>Item Description</u>
1	Enclosure; NEMA 4X; 304 stainless steel
1	QCI Model 1500ct PLC with 5.7 inch color touchscreen operator interface
1	Cellular Radio; (Verizon)
1	Uninterruptable Power Supply
A/R	Relays / Sockets / Terminals
1	120VAC Surge arrestor
A/R	Programming, and training

Field Items:

<u>Qty</u>	<u>Item Description</u>
------------	-------------------------

- 1 Antenna; Hi-Gain; with 20 ft coaxial & mounting hardware
- 1 A1000i submersible level transducer; 4-20mA; 0-15 PSI; (lower reservoir level)

Item C – Upper Water Reservoir Tank RTU:

One (1) NEMA 4X 304 stainless steel wall mount RTU panel for operation on 120VAC, 1-phase service. The panel will display and transmit the level of the Upper Ground Storage Reservoir. It will communicate with the Master.

To include:

<u>Qty</u>	<u>Item Description</u>
1	Enclosure; NEMA 4X; 304 stainless steel with inner-door
1	QCI Model 1500ct PLC with 5.7 inch color touchscreen operator interface
1	Cellular Radio; (Verizon)
1	Uninterruptable Power Supply
A/R	Relays / Sockets / Terminals
1	120VAC Surge arrestor
A/R	Programming, and training

Field Items:

<u>Qty</u>	<u>Item Description</u>
1	Antenna; Hi-Gain; with 20 ft coaxial & mounting hardware
1	A1000i submersible level transducer; 4-20mA; 0-30 PSI; (upper reservoir level)

Total Sell Price for Items A - C is \$ 68,460.00

Note: Above price includes installation by a licensed electrician.

Thank you for this opportunity to be of service to you. If you have any questions, please don't hesitate to call.

Sincerely,

Kevin Huson

Kevin Huson

Cc: Tom Helmer: Northern MN Sales