

AGENDA
PUBLIC UTILITIES COMMISSION
February 7, 2018
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. SMMPA Representative Visit

- E. Power Plant Maintenance—Digital Master Control Update

- F. Adjourn

GRAND MARAIS PUBLIC UTILITIES COMMISSION MEETING

Wednesday, January 17, 2018

Meeting was called to order by Chair Karl Hansen. Members present were Karl Hansen and George Wilkes. Absent was Tim Kennedy. Others present were Mike Roth, Tom Nelson, and Tina Hanson.

Motion by Hansen, seconded by Wilkes to accept the consent agenda with one change in the January 3, 2018 minutes for a sentence clarification, to read:

“SMMPA board feels they have done a lot, but not enough for some others.”

Ayes all.

Next on the agenda was the PUC Purchasing Procedure –in the past, bill paying, payroll, and purchasing was all separate procedures from the City. Slowly, over the years, they are being combined under one system. There would be no need for the PUC commission to now have to meet twice a month (in order to get bills paid on a timely basis.) Roth asked the commission if they’d prefer to just meet once a month. They would still receive a payments register and have input into big purchases. They all agreed to once a month meetings and decided to keep with the first Wednesday of each month.

MPUC Variance application was then briefly discussed and Roth gave an update on the progress. Could be months before the commission hears back regarding the variance application.

Wilkes updated the commission on Arrowhead Cooperative’s three different vehicle charging stations they want to put in around the county. One would be in the City of Grand Marais. They are hoping the City will give them a 7 year lease on a portion of the city parking lot for their station. Wilkes asked the commission if they would also like to contribute to the cost of the station. Roth said that GRE is putting in the greater portion of the money. The commission felt they needed better numbers on costs before making a decision.

Hansen asked Roth to give a brief report on the recent power outage.

Meeting adjourned at 3:42 p.m. Next meeting scheduled for February 7, 2018.

CITY OF GRAND MARAIS
Revenue/Expenditure
Audit Detail Landscape

Audit 2018 February

Fund 601 WATER

Expenditure

E 601-47027-611 Bond Interest

Vendor/Customer	Proj	Batch Name	Invoice	Check	Refer	PO	Debit	Credit	Begin	End
US BANK		02-01-18 AP	122	077042	2/1/2018	71986	\$837.67	\$0.00	\$837.67	
					2 February	Balance	\$837.67	\$0.00	\$1,675.34	
Total							837.67			

Control Act 601-25300 Unassigned Fund B

E 601-47027-620 Fiscal Agent s Fees

Vendor/Customer	Proj	Batch Name	Invoice	Check	Refer	PO	Debit	Credit	Begin	End
US BANK		02-01-18 AP	122	077042	2/1/2018	71986	\$203.72	\$0.00	\$217.70	
					2 February	Balance	\$203.72	\$0.00	\$421.42	
Total							203.72			

Control Act 601-25300 Unassigned Fund B

E 601-49420-210 Operating Supplies (GENERAL)

Vendor/Customer	Proj	Batch Name	Invoice	Check	Refer	PO	Debit	Credit	Begin	End
HACH COMPANY		02-01-18 AP	10800289	077013	2/1/2018	72016	\$659.21	\$0.00	\$0.00	
					2 February	Balance	\$659.21	\$0.00	\$659.21	
Total							659.21			

Control Act 601-25300 Unassigned Fund B

E 601-49430-220 Repair/Maint Supply (GENERAL)

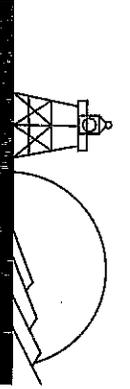
Vendor/Customer	Proj	Batch Name	Invoice	Check	Refer	PO	Debit	Credit	Begin	End
METERING & TECHNOLO		02-01-18 AP	10806	077019	2/1/2018	72017	\$183.48	\$0.00	\$247.87	
					2 February	Balance	\$183.48	\$0.00	\$431.35	
Total							183.48			

Control Act 601-25300 Unassigned Fund B

E 601-49431-303 Engineering Fees

Vendor/Customer	Proj	Batch Name	Invoice	Check	Refer	PO	Debit	Credit	Begin	End
LHB ENGINEERS & ARCHI		02-01-18 AP	160861.00-6	077018	2/1/2018	72003	\$39.00	\$0.00	\$0.00	
					2 February	Balance	\$39.00	\$0.00	\$39.00	
Total							39			

2018-02 Febru Pay



CITY OF GRAND MARAIS
Revenue/Expenditure
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Audit 2018 February

E 601-49431-303 Engineering Fees		Total		39		Debit		Credit		Begin		End	
Control Act 601-25300 Unassigned Fund B		In Balance				\$39.00		\$0.00				\$39.00	
E 601-49440-212 Motor Fuels		Total		69.28		Debit		Credit		Begin		End	
Vendor/Customer		Proj		Batch Name		Invoice		Check		Refer		PO	
2018-02 Febru Pay		WEX BANK		02-01-18 AP		52883625		077044		2/1/2018		71952	
2018-02 Febru Pay		WEX BANK		02-01-18 AP		52859010		077044		2/1/2018		71952	
Control Act 601-25300 Unassigned Fund B		In Balance				\$69.28		\$0.00				\$69.28	
E 601-49440-310 Service Agreements		Total		27.63		Debit		Credit		Begin		End	
Vendor/Customer		Proj		Batch Name		Invoice		Check		Refer		PO	
2018-02 Febru Pay		TOSHIBA BUSINESS SOL		02-01-18 AP		14231592		077040		2/1/2018		71972	
Control Act 601-25300 Unassigned Fund B		In Balance				\$27.63		\$0.00				\$27.63	
Fund 602 SEWER Expenditure		Total		Fund 601		\$2,019.99		\$0.00				\$2,019.99	
E 602-49431-303 Engineering Fees		Total		156		Debit		Credit		Begin		End	
Vendor/Customer		Proj		Batch Name		Invoice		Check		Refer		PO	
2018-02 Febru Pay		LHB ENGINEERS & ARCHI		02-01-18 AP		160861.00-6		077018		2/1/2018		72003	
Control Act 602-25300 Unassigned Fund B		In Balance				\$156.00		\$0.00				\$156.00	
E 602-49451-430 Miscellaneous (GENERAL)		Total		16		Debit		Credit		Begin		End	
Vendor/Customer		Proj		Batch Name		Invoice		Check		Refer		PO	
2018-02 Febru Pay		JACKSON S MOTOR VEHI		02-01-18 AP		T466		077015		2/1/2018		71951	
Control Act 602-25300 Unassigned Fund B		In Balance				\$16.00		\$0.00				\$16.00	
Control Act 602-25300 Unassigned Fund B		In Balance				\$16.00		\$0.00				\$16.00	
Control Act 602-49451-430 Miscellaneous (GENERAL)		Total		E 602-49451-430		\$16.00		\$0.00				\$16.00	



CITY OF GRAND MARAIS
Revenue/Expenditure
Audit Detail Landscape

Audit 2018 February

Total	Expenditure	
	\$3,085.14	\$0.00
Fund 602	\$3,085.14	\$0.00

Fund	604 ELECTRIC								
Expenditure									
E 604-49551-317	Contracted Services								
Total		10400							

Vendor/Customer	Proj	Batch Name	Invoice	Check	Refer	PO	Debit	Credit	Begin	End
2018-02 Febru Pay		ALLIED GENERATORS	16071	076989	2/1/2018	71987	\$10,400.00	\$0.00	\$38.13	
					2 February	0	\$10,400.00	\$0.00		\$10,438.13
					Balance		\$10,400.00			
Control Act	604-25300 Unassigned Fund B						\$10,400.00	\$0.00		\$10,400.00
Total							\$10,400.00	\$0.00		\$10,400.00

Vendor/Customer	Proj	Batch Name	Invoice	Check	Refer	PO	Debit	Credit	Begin	End
2018-02 Febru Pay		WEX BANK	52859010	077044	2/1/2018	71952	\$34.15	\$0.00	\$317.84	
2018-02 Febru Pay		WEX BANK	52862975	077044	2/1/2018	71952	\$324.71	\$0.00		
					2 February	0	\$358.86	\$0.00		\$676.70
					Balance		\$358.86			
Control Act	604-25300 Unassigned Fund B						\$358.86	\$0.00		\$358.86
Total							\$358.86	\$0.00		\$358.86

Vendor/Customer	Proj	Batch Name	Invoice	Check	Refer	PO	Debit	Credit	Begin	End
2018-02 Febru Pay		JACKSON S MOTOR VEHI	7866Y	077015	2/1/2018	71951	\$27.00	\$0.00	\$0.00	
2018-02 Febru Pay		JACKSON S MOTOR VEHI	5903	077015	2/1/2018	71951	\$16.00	\$0.00		
2018-02 Febru Pay		JACKSON S MOTOR VEHI	1-602-SF	077015	2/1/2018	71951	\$16.00	\$0.00		
2018-02 Febru Pay		JACKSON S MOTOR VEHI	7940	077015	2/1/2018	71951	\$16.00	\$0.00		
2018-02 Febru Pay		JACKSON S MOTOR VEHI	8734	077015	2/1/2018	71951	\$16.00	\$0.00		
2018-02 Febru Pay		JACKSON S MOTOR VEHI	3894	077015	2/1/2018	71951	\$16.00	\$0.00		
2018-02 Febru Pay		JACKSON S MOTOR VEHI	8694	077015	2/1/2018	71951	\$16.00	\$0.00		
2018-02 Febru Pay		JACKSON S MOTOR VEHI	3469	077015	2/1/2018	71951	\$16.00	\$0.00		
2018-02 Febru Pay		JACKSON S MOTOR VEHI	1134	077015	2/1/2018	71951	\$16.00	\$0.00		
					2 February	0	\$155.00	\$0.00		\$155.00
					Balance		\$155.00			
Control Act	604-25300 Unassigned Fund B						\$155.00	\$0.00		\$155.00
Total							\$155.00	\$0.00		\$155.00

Vendor/Customer	Proj	Batch Name	Invoice	Check	Refer	PO	Debit	Credit	Begin	End
2018-02 Febru Pay		TOSHIBA BUSINESS SOL	14231592	077040	2/1/2018	71972	\$55.27	\$0.00	\$38.64	
Control Act	604-49590-310 Service Agreements						\$55.27	\$0.00		\$55.27
Total							\$55.27	\$0.00		\$55.27

City of Grand Marais

MEMO

TO: Chair Hansen
Public Utilities Commissioners
FROM: Michael J. Roth, City Administrator
DATE: February 5, 2018
SUBJECT: Power Plant Master Control Replacement

Summary

The power plant is able to be controlled by a computer located with the switchgear. In the past few years we have experienced multiple failures of this control unit due to failing components. We have been partially successful in working around these failing components, but are unable to source replacement parts at this time.

Options

We spoke to our power plant maintenance consultants, Lighthouse Power, about options. They recommended replacing the master control with Cummins compatible equipment. This replacement was estimated to cost around \$100,000. Because of the high cost, we looked for a second option to consider. We spoke with ComAp about a replacement plan. They provided a quote to replace the system, including engine control units. The ComAp system would provide higher functionality and flexibility. In exchange, it requires replacing some functioning equipment on the engines, and comes at a much higher cost of over \$250,000.

Staff Evaluation and Recommendation

The option of do nothing comes at a high risk that the power plant will not function as needed, and is not recommended. Both control replacement options require a significant capital investment, so were evaluated. Although the additional functionality of the ComAp system was intriguing, we don't have a plan for using the functionality. The Lighthouse power quote provides Cummins compatible controls and all of the necessary functionality to operate the plant as currently needed. We recommend approving the attached quote from Lighthouse Power to replace the master controls at a cost of \$99,850.

Lighthouse Power Systems
A division of Allied Generators
4172 Thunderchief Lane
Hermantown, MN 55811
Phone: 218-834-6979



Bid #: 9477
Bid Date: 2/5/2018
Last Updated: 2/5/2018

Customer

Grand Marais City Hall
PO Box 600
Grand Marais , MN 556040600

General Customer Contacts

Phone: 218-387-2088
Fax:
Cell: 218-370-7627
Email:

Job

Grand Marais City Hall
PO Box 600
Grand Marais , MN 556040600

Primary Contact

Name: Grand Marais City Hall
Phone: 218-387-2088
Cell: 218-370-7627

Provide labor, material and services, in accordance with the following specifications and subject to the terms of this contract.

As per attached sheets

Any changes or additions requested by customer or their agents may incur additional charges. any changes or alterations by others may void all warranties or guarantees.

The price for the work above will be: **\$99,850.00**

The proposal is void if not accepted in writing within 30 days after the proposal date

Terms:

Net 20 days upon completion of the job.

Lighthouse Power Systems

By: Jessica

ACCEPTANCE: The Above prices specifications and conditions are satisfactory and hereby accepted. You are authorized to do the work as specified and payment will be made as outline above.

please sign and return one copy of each page as acceptance

Date of acceptance: _____ Signature _____

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Grand Marais City Hall
PO Box 600
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Job
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Grand Marais , MN 556040600

Job Description
Grand Marais Municipal Master Control Upgrade

Bid Items

T & M

- 1 Upgrade Granit Touchscreen to Advantech Touchscreen
Advantech 15" Touchscreen
PLC CPU (2 slots)
Modlon Converter (Lonworks to Modbus)
Uni Converter (MB to Ethernet)
FTT-10 Network Cards for Gensets
Upper DMC Door
Middle DMC Door
Engineering to Program PLC and HMI and Modify Drawings
Assemble new Panel and Test for DMC
- 1 Overnight Charge
Lodging and Meals

Mileage

210 Mileage

Total: \$99,850.00