



# CITY OF GRAND RAPIDS

## Meeting Agenda Full Detail - Final Public Utilities Commission

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Wednesday, March 17, 2021

4:00 PM

Conference Room of Public Utilities Service  
Center

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### CALL TO ORDER

Pursuant to due notice and call thereof, a Regular Meeting of the Grand Rapids Public Utilities Commission will be held on Wednesday, March 17, 2021 at 4:00 PM in the conference room of the Public Works/Public Utilities Service Center at 500 SE 4th Street, Grand Rapids, Minnesota.

**BE ADVISED:** Pursuant to Minnesota Statute 13D.021, Subdivision 1, some or all members may appear by telephone or other electronic means. Please note all members will be attending this meeting via Microsoft Teams, there will be no conference room attendance.

To access the meeting by phone via Microsoft Teams: Dial in to 1-612-601-1964, when prompted for conference ID, enter 847 049 458#

### CALL OF ROLL

### MEETING PROTOCOL POLICY

The GRPUC has adopted a Meeting Protocol Policy, which informs attendees of the GRPUC'S desire to conduct meetings in an orderly manner which welcomes all civil input from interested parties. If you are unaware of the policy, please contact our office at 218-326-7024 ext. 1 and we will provide you with a copy of the policy.

### APPROVAL OF MINUTES

- 1      [21-1724](#)      Consider a motion to approve the minutes of the February 2, 2021 special meeting and the February 17, 2021 regular meeting.  
**Attachments:**    [GRPUC Special Meeting Minutes of February 2, 2021.pdf](#)  
                                 [GRPUC Regular Meeting Minutes of February 17, 2021.pdf](#)
  
- 2      [20-1497](#)      Consider the election of the 2021 GRPU Commission Officers:  
                                 - GRPUC President  
                                 - GRPUC Secretary

**PUBLIC FORUM**

If you wish to address the Commission under the public forum, see above information to access the meeting via Teams by phone.

**COMMISSION REPORTS****CONSENT AGENDA**

Any item on the consent agenda shall be removed for consideration by request of any one Commission member, Utility staff, or the public and put on the regular agenda for discussion and consideration.

- 3      [21-1735](#)      Consider a motion to approve the City Treasurer's Report and the Investment Activity Report for February 2021.  
                 Attachments:    [2021-02 City Treasurer Report and Investment Activity Report](#)
- 4      [21-1737](#)      Consider a motion to approve the write off of February uncollectible accounts in the amount of \$431.88.  
                 Attachments:    [Uncollectible Accounts 2021 Feb](#)
- 5      [21-1734](#)      Consider a motion to approve the purchase of 400 cubic feet of 3.5 inch tripack packing from KemFlo Companies for the Water Treatment Plant Aerator in the amount of \$5,840.00.  
                 Attachments:    [March 2021 - Quote - Kemflo](#)  
                                 [March 2021 - Quote - Controlled Air design](#)
- 6      [21-1739](#)      Consider a motion to approve the purchase of a Radiodetection RD8100 Locator Kit from Sub Surface Solutions for \$6959.  
                 Attachments:    [Subsurface Solutions RD8100 Locator Kit](#)  
                                 [Advanced Tool & Equipment RD8100 Locator Kit](#)

**SETTING OF REGULAR AGENDA**

This is an opportunity to approve the regular agenda as presented, or add/delete an agenda item by a majority vote of the Commission members present.

**ADMINISTRATION DEPARTMENT**

- 7      [21-1742](#)      Review the March Administration Department Report.  
                 Attachments:    [2021-0317 Administrative Report.pdf](#)

**BUSINESS SERVICES DEPARTMENT**

- 8      [21-1736](#)      Review the March Business Services Department Report.  
                 Attachments:    [2021-02 Business Services Monthly Report](#)

#### **ELECTRIC DEPARTMENT**

- 9      [21-1740](#)      Review the March Electric Department Report.  
                 Attachments:    [2021-0317 Electric Report](#)

#### **WATER AND WASTEWATER DEPARTMENT**

- 10     [21-1733](#)      Review the March Water-Wastewater Department Report.  
                 Attachments:    [Water & Wastewater March 2021](#)

#### **SAFETY REPORT**

- 11     [21-1741](#)      Review the March Safety Report.  
                 Attachments:    [2021-0317 Safety Report.pdf](#)

#### **VERIFIED CLAIMS**

- 12     [21-1738](#)      Consider a motion to approve the verified claims for February in the  
                 amount of \$1,892,951.20.  
                 Computer Check Register \$1,346,228.05  
                 Manual Check Register \$546,723.15  
                 Attachments:    [AP List 2021.02.28 #1](#)  
                                 [Check Register Manual 2021.02.28](#)

#### **ADJOURNMENT**

The next Regular Meeting of the Commission is Wednesday, April 14, 2021 at 4:00 p.m. in the conference room of the Public Works/Public Utilities Service Center at 500 SE 4th Street.

The next Special Meeting/Work Session is scheduled for Tuesday, April 27, 2021 at 8:00 a.m. in the conference room of the Public Works/Public Utilities Service Center at 500 SE 4th Street.



# CITY OF GRAND RAPIDS

## Legislative Master

**File Number: 21-1724**

**File ID:** 21-1724

**Type:** Agenda Item

**Status:** Approval of Minutes

**Version:** 1

**Reference:**

**In Control:** Public Utilities  
Commission

**File Created:** 03/04/2021

**File Name:** Minutes

**Final Action:**

**Title:** Consider a motion to approve the minutes of the February 2, 2021 special meeting and the February 17, 2021 regular meeting.

**Notes:**

**Sponsors:**

**Enactment Date:**

**Attachments:** GRPUC Special Meeting Minutes of February 2, 2021.pdf, GRPUC Regular Meeting Minutes of February 17, 2021.pdf

**Enactment Number:**

**Contact:**

**Hearing Date:**

**Drafter:**

**Effective Date:**

**Related Files:**

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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### Text of Legislative File 21-1724

Consider a motion to approve the minutes of the February 2, 2021 special meeting and the February 17, 2021 regular meeting.

#### Background Information:

See attached minutes.

#### Requested Commission Action:

Consider a motion to approve the minutes of the February 2, 2021 special meeting and the February 17, 2021 regular meeting.



# CITY OF GRAND RAPIDS

## Minutes - Final - Draft Public Utilities Commission

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Tuesday, February 2, 2021

8:00 AM

Conference Room of Public Utilities Service Center

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### CALL TO ORDER

Pursuant to due notice and call thereof, a Special meeting/work session of the Grand Rapids Public Utilities Commission was held on Tuesday, February 2, 2021 at 8:00 AM in the conference room of the Public Works/Public Utilities Service Center at 500 SE 4th Street, Grand Rapids, Minnesota.

**BE ADVISED:** Pursuant to Minnesota Statute 13D.021, Subdivision 1, some or all members may appear by telephone or other electronic means.

**COMMISSIONERS:** To access the meeting by phone via Microsoft Teams: Dial in to 1-612-601-1964, when prompted for conference ID, enter 220 505 534#

### CALL OF ROLL

*President Tom Stanley announced the Roll Call, requesting members of the Commission present in the Meeting Room or participating by conference call to please indicate their presence by stating "here" as he called their names. Present in the meeting room were President Tom Stanley and Commissioners Rick Blake. Present via Microsoft Teams and/or conference call were Secretary Kathy Kooda and Commissioner Rick Smith. Commissioner Luke Francisco was absent with notice.*

**Present** 4 - President Tom Stanley, Commissioner Rick Blake, Secretary Kathy Kooda, and Commissioner Rick Smith

**Absent** 1 - Commissioner Luke Francisco

*Others Present in the meeting room: General Manager Kennedy and Administrative/HR Assistant Flannigan. Present via Microsoft Teams: Finance Manager Betts, Electric Department Manager Goodell, and Water/Wastewater Department Manager Mattson.*

#### 21-1645

Acknowledge the proper posting of the special meeting date, time, and purpose.

*President Tom Stanley acknowledged the proper posting of the special meeting/work session date, time and purpose.*

#### 21-1647

Consider approving the Mid-month Accounts Payable list in the amount of \$215,398.81.

**A motion was made by Secretary Kathy Kooda, seconded by Commissioner Rick Smith, to approve the Mid-month Accounts Payable list in the amount of \$215,398.81. The motion carried by the following vote.**

**Aye:** 4 - President Tom Stanley, Commissioner Rick Blake, Secretary Kathy Kooda, and Commissioner Rick Smith

[21-1650](#)           Superoxygenation Project Update.

*Water/Wastewater Department Manager Mattson updated the Commission on the progress of the Super-oxygenation Project.*

[21-1649](#)           Northeastern Minnesota Municipal Power Agency (NEMMPA) Update.

*General Manager Kennedy updated the Commission on recent NEMMPA board meetings.*

[21-1646](#)           Governance discussion.

*General Manager Kennedy reviewed technologies available for Commission meetings and topics for 2021 special meetings/work sessions. All Commissioners will attend the February 17, 2021 Regular Commission meeting virtually via Microsoft Teams.*

**ADJOURNMENT**

**BE ADVISED: Pursuant to Minnesota Statute 13D.021, Subdivision 1, some or all members may appear by telephone or other electronic means.**

**The next Regular Meeting of the Commission is Wednesday, February 17, 2021 at 4:00 p.m. in the conference room of the Public Works/Public Utilities Service Center at 500 SE 4th Street.**

**The next Special Meeting/Work Session is scheduled for Tuesday, March 2, 2021 at 8:00 a.m. in the conference room of the Public Works/Public Utilities Service Center at 500 SE 4th Street.**

*By call of the chair, the regular meeting was declared adjourned at 8:56 AM.*

*Respectfully submitted: Christine Flannigan, Administrative/HR Assistant.*



# CITY OF GRAND RAPIDS

## Minutes - Final - Draft Public Utilities Commission

---

Wednesday, February 17, 2021

4:00 PM

Conference Room of Public Utilities Service Center

---

### CALL TO ORDER

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**BE ADVISED:** Pursuant to Minnesota Statute 13D.021, Subdivision 1, some or all members may appear by telephone or other electronic means. Please note all members will be attending this meeting via Microsoft Teams, there will be no conference room attendance.

To access the meeting by phone via Microsoft Teams: Dial in to 1-612-601-1964, when prompted for conference ID, enter 552 156 74#

### CALL OF ROLL

President Tom Stanley announced the Roll Call, requesting members of the Commission present in the Meeting Room or participating by conference call to please indicate their presence by stating "here" as he called their names. Present via Microsoft Teams video conference were President Tom Stanley, Secretary Kathy Kooda, Commissioner Rick Blake, Commissioner Luke Francisco and Commissioner Rick Smith. No members were present in the conference room.

**Present** 5 - President Tom Stanley, Commissioner Rick Blake, Secretary Kathy Kooda, Commissioner Luke Francisco, and Commissioner Rick Smith

*Others Present via Microsoft Teams: General Manager Kennedy, Finance Manager Betts, Business Services Manager Lane, Electric Department Manager Goodell, Water/Wastewater Department Manager Mattson, and Administrative/HR Assistant Flannigan.*

### MEETING PROTOCOL POLICY

The GRPUC has adopted a Meeting Protocol Policy, which informs attendees of the GRPUC'S desire to conduct meetings in an orderly manner which welcomes all civil input from interested parties. If you are unaware of the policy, please contact our office at 218-326-7024 ext. 1 and we will provide you with a copy of the policy.

**APPROVAL OF MINUTES**

- 1      [21-1636](#)      Consider a motion to approve the minutes of the January 13, 2021 regular meeting.
- A motion was made by Commissioner Luke Francisco, seconded by Commissioner Rick Blake, to approve the minutes of the January 13, 2021 regular meeting. The motion carried by the following vote:**
- Aye:**    5 -    President Tom Stanley, Commissioner Rick Blake, Secretary Kathy Kooda, Commissioner Luke Francisco, and Commissioner Rick Smith

**PUBLIC FORUM**

**If you wish to address the Commission under the public forum, see above information to access the meeting via Teams by phone.**

*None present.*

**COMMISSION REPORTS**

*No items.*

**CONSENT AGENDA**

**Any item on the consent agenda shall be removed for consideration by request of any one Commission member, Utility staff, or the public and put on the regular agenda for discussion and consideration.**

- 2      [21-1685](#)      Consider a motion to approve the City Treasurer's Report and the Investment Activity Report for January 2021.
- Approved by consent roll call vote.**
- 3      [21-1687](#)      Consider a motion to approve the write off of January uncollectible accounts in the amount of \$391.74.
- Approved by consent roll call vote.**
- 4      [21-1663](#)      Consider a motion to authorize the sale and/or disposal of surplus property.
- Approved by consent roll call vote.**
- 5      [20-1500](#)      Consider a motion to approve the purchase of a Fork Truck from Hyundai for the CSC Warehouse capital project in the amount of \$48,069.48.
- Approved by consent roll call vote.**



- 6      [21-1674](#)      Consider a motion to approve the purchase of the Boss snow plow from Northland Off Road & 4WD in the amount of \$7,537.44.  
**Approved by consent roll call vote.**
- 7      [21-1681](#)      Consider a motion to approve the purchase of the air compressor from Ingersoll Rand for the Water Treatment Plant Air Compressor capital project in the amount of \$11,489.00.  
**Approved by consent roll call vote.**
- 8      [21-1672](#)      Consider a motion to approve the purchase of the Sonetics Wireless Headsets from MacQueen Equipment in the amount of \$8,095.40.  
**Approved by consent roll call vote.**
- 9      [21-1682](#)      Consider a motion to approve the purchase of the pump from EPG Companies for the Leachate Phase Pump capital project in the amount of \$6,641.00.  
**Approved by consent roll call vote.**

**Approval of the Consent Agenda**

**A motion was made by Commissioner Rick Blake, seconded by Commissioner Rick Smith, to approve the consent agenda as presented. The motion carried by the following vote:**

**Aye:** 5 - President Tom Stanley, Commissioner Rick Blake, Secretary Kathy Kooda, Commissioner Luke Francisco, and Commissioner Rick Smith

**SETTING OF REGULAR AGENDA**

**This is an opportunity to approve the regular agenda as presented, or add/delete an agenda item by a majority vote of the Commission members present.**

**A motion was made by Commissioner Rick Smith, seconded by Secretary Kathy Kooda, to approve the regular agenda as presented. The motion carried by the following vote:**

**Aye:** 5 - President Tom Stanley, Commissioner Rick Blake, Secretary Kathy Kooda, Commissioner Luke Francisco, and Commissioner Rick Smith

**ADMINISTRATION DEPARTMENT**

- 10      [21-1677](#)      Review the February Administration Department Report.  
  
*General Manager Kennedy reviewed the February Administration Department Report with the Commission.*  
  
**Received and Filed**

**BUSINESS SERVICES DEPARTMENT**

- 11      [21-1686](#)      Review the February Business Services Department Report.
- Finance Manager Betts reviewed the February Business Services Department Report with the Commission.*
- Received and Filed**

**ELECTRIC DEPARTMENT**

- 12      [21-1689](#)      Review the February Electric Department Report.
- Electric Department Manager Goodell reviewed the February Electric Department Report with the Commission.*
- Received and Filed**
- 13      [21-1683](#)      Consider a motion to approve an updated Security Lighting Rate Schedule with additional 40 and 70 watt lights.
- A motion was made by Commissioner Rick Blake, seconded by Commissioner Rick Smith, to approve an updated Security Lighting Rate Schedule with additional 40 and 70 watt lights as presented. The motion carried by the following vote:**
- Aye:**    5 -    President Tom Stanley, Commissioner Rick Blake, Secretary Kathy Kooda, Commissioner Luke Francisco, and Commissioner Rick Smith

**WATER AND WASTEWATER DEPARTMENT**

- 14      [21-1680](#)      Review the February Water/Wastewater Department Report.
- Water/Wastewater Department Manager Mattson reviewed the February Water and Wastewater Department Report with the Commission.*
- Received and Filed**

**SAFETY REPORT**

- 15      [21-1678](#)      Review the February Safety Report.
- General Manager Kennedy reviewed the February Safety Report with the Commission.*
- Received and Filed**

**VERIFIED CLAIMS**

- 16      [21-1688](#)      Consider a motion to approve the verified claims for January in the amount of \$2,000,609.85.  
Computer Check Register \$1,275,177.47  
Manual Check Register \$725,432.38
- A motion was made by Secretary Kathy Kooda, seconded by Commissioner Rick Blake, to approve the verified claims for January in the amount of \$2,000,609.85 (Computer Check Register \$1,275,177.47 and Manual Check Register \$725,432.38). The motion carried by the following vote:**
- Aye:**    5 -    President Tom Stanley, Commissioner Rick Blake, Secretary Kathy Kooda, Commissioner Luke Francisco, and Commissioner Rick Smith

#### **ADJOURNMENT**

**The next Special Meeting/Work Session is scheduled for Tuesday, March 2, 2021 at 8:00 a.m. in the conference room of the Public Works/Public Utilities Service Center at 500 SE 4th Street.**

**The next Regular Meeting of the Commission is Wednesday, March 17, 2021 at 4:00 p.m. in the conference room of the Public Works/Public Utilities Service Center at 500 SE 4th Street.**

*By call of the chair, the regular meeting was declared adjourned at 4:54 PM.*

*Respectfully submitted: Christine Flannigan, Administrative/HR Assistant.*

**Public Utilities Commission**  
**Accounts Payable**  
**January 2021**  
**(Meeting Date: 02/17/21)**

NAME	AMOUNT	NAME	AMOUNT
Acheson Tire	170.00	Minnesota Power	1,033,429.15
Amaril Uniform	1,564.82	Minuteman Press	775.60
Aramark	137.68	NEMMPA	2,000.00
Arrow Embroidery	94.05	Nextera	1,232.13
Baker Tilly	3,250.00	North Central Laboratories	454.13
Border States	467.64	Northern Business Products	1,586.04
Burggrafs Ace Hardware	19.99	Norhern Drug Screening, Inc	240.00
The Busy Bees QCS	1,991.64	Northwest Gas	123.36
CarQuest	51.78	NOS Automation LLC	1,631.60
City of Grand Rapids	851.31	Novaspect	12,666.97
Coles	262.33	Pace Analytical	960.18
Compass Minerals	7,568.16	Polydyne Inc	53,920.59
Cooperative Response Center	1,800.73	Power Process Equipment	1,323.85
Core & Main	3,266.21	Public Utilities Commission	8,571.73
CW Technology	8,711.20	RMB Environmental Lab	522.00
Davis Oil	1,110.31	James Radtke	4,464.48
Dig-Smart LLC	4,000.00	Rapids Welding	191.76
Fastenal	3,772.46	Sandstroms	653.80
Ferguson	296.94	Sherwin-Williams	232.72
Gopher State One Call	75.65	Solenis	19,598.00
Grainger	2,138.08	Stuart Irby	5,045.31
Graybar	1,675.67	Team Marinucci	44.00
Great Northern Equipment	835.62	Telcologix	139.00
Hach	371.95	Treasure Bay Printing	555.00
Hawkins	14,627.42	United Rentals	1,103.21
Herc-U-Lift	320.53	US Bank Equipment	315.73
Itasca Computer Resources	921.00	Viking Electric	2,055.60
Itasca County Treasurer	1,144.91	Waste Management	661.26
Kaman Industrial Technologies	1,216.05	Wells Fargo Business - Goodell	323.65
KOZY	1,342.50	Wells Fargo Business - Kennedy	609.50
L & M Supply	65.62	Wesco	8,296.85
Lano, Nelson & Bengtson	396.00	Xerox	123.61
Latvala Lumber Co	1,656.18		
League of Minnesota Cities	900.00	Appliance Rebates	
Steve Mattson	41.44	Brett & Karen Denzel	100.00
McMaster-Carr	6,273.94	Dave & Kathy Kooda	30.00
Mielke Electric Works	1,812.85	Michael Gaede	50.00
Minnesota Energy	18.00		
Minnesota Municipal Utilities Association	35,926.00		

TOTAL	1,275,177.47
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**January 2021 MANUAL CHECK REGISTER**

<u>Date</u>	<u>Check #</u>	<u>Vendor Name</u>	<u>Amount</u>
1/5/2021	4305	Invoice Cloud	2,386.70
1/7/2021	4306	Further	144,200.00
1/15/2021	4307	Public Employees Retirement Association	14,654.34
1/15/2021	4308	Minnesota Dept. of Revenue	4,070.90
1/15/2021	4309	Wells Fargo Bank	24,342.69
1/15/2021	4310	Empower Retirement	8,664.17
1/20/2021	4311	Minnesota Department of Revenue	57,747.00
1/20/2021	4312	Further	138.45
1/20/2021	4313	Minnesota Department of Revenue	132.00
1/19/2021	4314	Further	2,030.94
1/22/2021	4315	Public Employees Retirement Association	519.12
1/22/2021	4316	Minnesota Dept. of Revenue	379.94
1/22/2021	4317	Empower Retirement	222.48
1/22/2021	4318	Wells Fargo Bank	2,321.39
1/29/2021	4321	Public Employees Retirement Association	14,694.18
1/29/2021	4322	Minnesota Dept. of Revenue	4,227.60
1/29/2021	4323	Wells Fargo Bank	25,013.41
1/29/2021	4324	Empower Retirement	8,776.93
1/4/2021	4325	Northeast Service Cooperative	3,636.00
1/27/2021	4326	Northeast Service Cooperative	57,226.50
1/7/2021	77557	RCB Collections, Inc	50.39
1/8/2021	77558	United Parcel Service	28.75
1/8/2021	77559	Minnesota Energy Resources Corp.	19.34
1/8/2021	77560	Grand Rapids Area Chamber of Commerce	3,700.00
1/14/2021	77561	Customer Refunds- Richard M Steele	17.36
1/14/2021	77562	Customer Refunds- Sharon Harrison	71.59
1/14/2021	77563	Customer Refunds- Nicolle E Scheper	9.96
1/14/2021	77564	Customer Refunds- Anthony R Carlson	133.84
1/14/2021	77565	Customer Refunds- Jonathan P Tracey	109.14
1/14/2021	77566	Customer Refunds- Pennymac Loan Services	107.43
1/14/2021	77567	Customer Refunds- Dylan C McManus	55.17
1/14/2021	77568	Customer Refunds- Nathasa L Maninga	101.31
1/15/2021	77645	NCPERS Group Life Ins	128.00
1/15/2021	77646	Casper Construction, Inc.	16,975.09 **
1/15/2021	77647	US Bank, N.A.	176,343.75
1/20/2021	77648	United Parcel Service	24.18
1/20/2021	77649	Minnesota Energy Resources Corp.	608.58
1/20/2021	77650	Grand Rapids Area Community Foundation	215.62
1/20/2021	77651	UNUM Life Insurance Co of America	2,604.89
1/25/2021	77652	Postage By Phone System	3,000.00
1/25/2021	77653	Wells Fargo Business Card -SM	124.45

1/25/2021	77654	Wells Fargo Business Card - JK	1,290.00
1/25/2021	77655	Customer Refunds- Utility Accounts	76.78
1/26/2021	77656	Customer Refunds- Utility Accounts	94.50
1/26/2021	77657	Customer Refunds- Utility Accounts	66.70
1/26/2021	77658	City of LaPrairie	13,268.25
1/27/2021	77659	City of Grand Rapids	8,345.93
1/28/2021	77660	City of Grand Rapids	273.00
1/28/2021	77661	City of Grand Rapids	64,778.63
1/28/2021	77664	NOS Automation	4,813.33 **
1/28/2021	77665	U S Bank Equipment Finance	315.73
1/29/2021	77666	City of Grand Rapids	72,333.37
1/29/2021	77667	Minnesota Council 65	1,731.00
1/29/2021	77668	AFSCME PEOPLE	20.00

Checks Previously Approved	<u>21,788.42</u> **
Manual Checks to be approved	<u>725,432.38</u>
<b>Total Manual Checks</b>	<b>747,220.80</b>



# CITY OF GRAND RAPIDS

## Legislative Master

**File Number: 20-1497**

**File ID:** 20-1497

**Type:** Agenda Item

**Status:** Administration

**Version:** 1

**Reference:**

**In Control:** Public Utilities  
Commission

**File Created:** 11/22/2020

**File Name:** 2021 Election of Officers

**Final Action:**

**Title:** Consider the election of the 2021 GRPU Commission Officers:  
- GRPUC President  
- GRPUC Secretary

**Notes:**

**Sponsors:**

**Enactment Date:**

**Attachments:**

**Enactment Number:**

**Contact:**

**Hearing Date:**

**Drafter:**

**Effective Date:**

**Related Files:**

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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### Text of Legislative File 20-1497

Consider the election of the 2021 GRPU Commission Officers:  
- GRPUC President  
- GRPUC Secretary



# CITY OF GRAND RAPIDS

## Legislative Master

**File Number: 21-1735**

**File ID:** 21-1735

**Type:** Agenda Item

**Status:** Consent Agenda

**Version:** 1

**Reference:**

**In Control:** Public Utilities  
Commission

**File Created:** 03/11/2021

**File Name:** City Treasurer and Investment Activity 2021 Feb

**Final Action:**

**Title:** Consider a motion to approve the City Treasurer's Report and the Investment Activity Report for February 2021.

**Notes:**

**Sponsors:**

**Enactment Date:**

**Attachments:** 2021-02 City Treasurer Report and Investment Activity Report

**Enactment Number:**

**Contact:**

**Hearing Date:**

**Drafter:** Tyanne Betts

**Effective Date:**

**Related Files:**

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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### Text of Legislative File 21-1735

Consider a motion to approve the City Treasurer's Report and the Investment Activity Report for February 2021.

**Background Information:**

See attached reports.

**Requested Action:**

Consider a motion to approve the City Treasurer's Report and the Investment Activity Report for February 2021.



**CITY OF GRAND RAPIDS**  
**PUBLIC UTILITIES COMMISSION**  
**CASH RECEIPTS AND DISBURSEMENTS FOR THE MONTH OF FEBRUARY 2021**

TREASURER'S BALANCE JANUARY 31, 2021 \$ 4,044,547.77

Deposits	1,719,692.58	
Redeposits-Checks	-	
Redeposits-ACH	-	
Bank Adjustments	<u>                    </u>	
		1,719,692.58
Less Disbursements	(2,174,136.14)	
NSF Checks	-	
ACH Returns	(179.85)	
Bank Adjustments	<u>                    </u>	
		<u>(2,174,315.99)</u>

TREASURER'S BALANCE FEBRUARY 28, 2021 \$ 3,589,924.36

VERIFICATION OF TREASURER'S BALANCE

WELLS FARGO BANK BALANCE FEBRUARY 28, 2021 \$ 3,784,060.19

Add: Deposits in Transit		81,202.31
Less: Outstanding Checks		<u>(275,338.14)</u>

TREASURER'S BALANCE FEBRUARY 28, 2021 \$ 3,589,924.36

<b>Electric Department</b>		<b>February 2021</b>
City		1,198,004
Rural		169,888
Load Management		<u>67,143</u>
Subtotal Electric Retail Sales		1,435,034
Windsense		
Security Lighting		<u>5,072</u>
Total Sales		1,440,106
Purchased Power Pass-thru		<u>89,597</u>
Total Electric		1,529,703

<b>Water Department</b>		
City		121,901
Rural		0
Public Authorities		<u>2,863</u>
Total Water		124,764

<b>Wastewater Collection Dept</b>		
City		121,207
Rural		398
Public Authorities		<u>13,541</u>
Total Wastewater Collection		135,146
City Storm Water		70,137
Sales Tax		<u>62,297</u>
<b>Total Amount Billed</b>		1,922,047

**Grand Rapids Public Utilities Commission**  
**Investment Activity**  
**February 2021**

**Beginning Balance Cash and Investments** \$ 6,488,358.13

**Redeemed:**

None -

**Invested:**

None -

Change in checking account balance (454,623.41)

**Total Cash and Investments** \$ 6,033,734.72

**Less: Restricted and Designated Funds**

**Restricted Funds:**

Sanitary Sewer Collection/Treatment Infrastructure Fund:		
Wastewater Treatment Plant	\$	1,530.25
Trunk Main		69,572.84
Customer Deposits		361,545.08
Customer Deposits - Antenna Fees		42,332.10
Water Main Replacement Fund		980,095.09
Sewer Main Replacement Fund		596,744.56
		*
		*

**Designated Funds:**

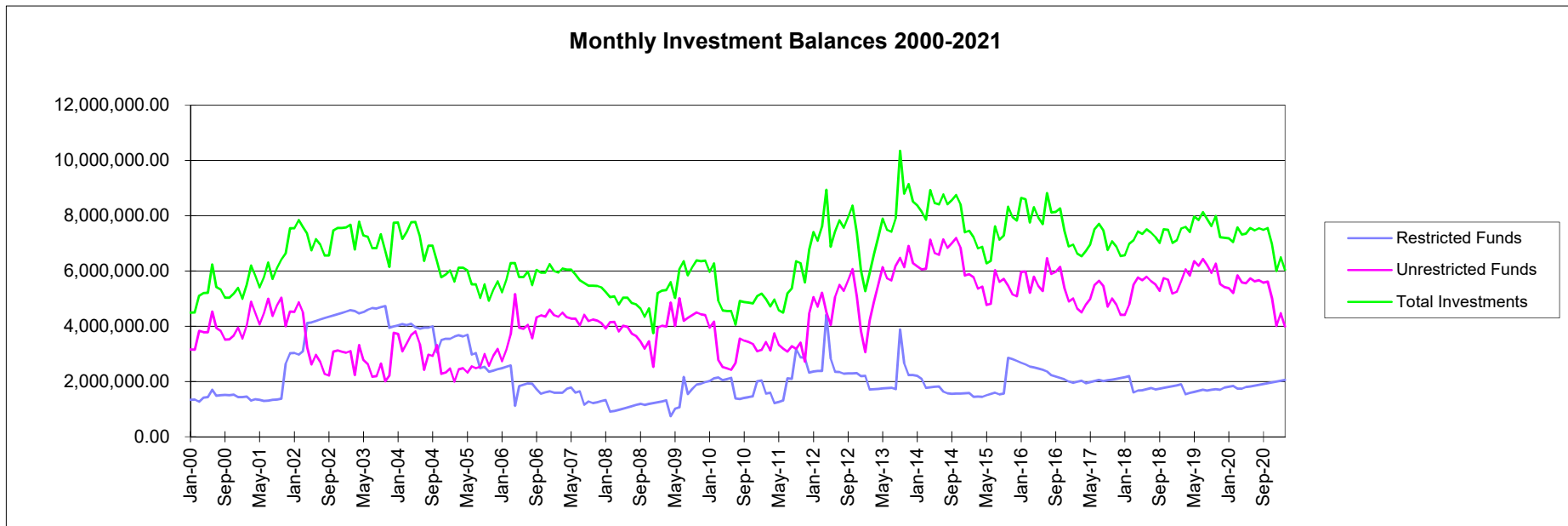
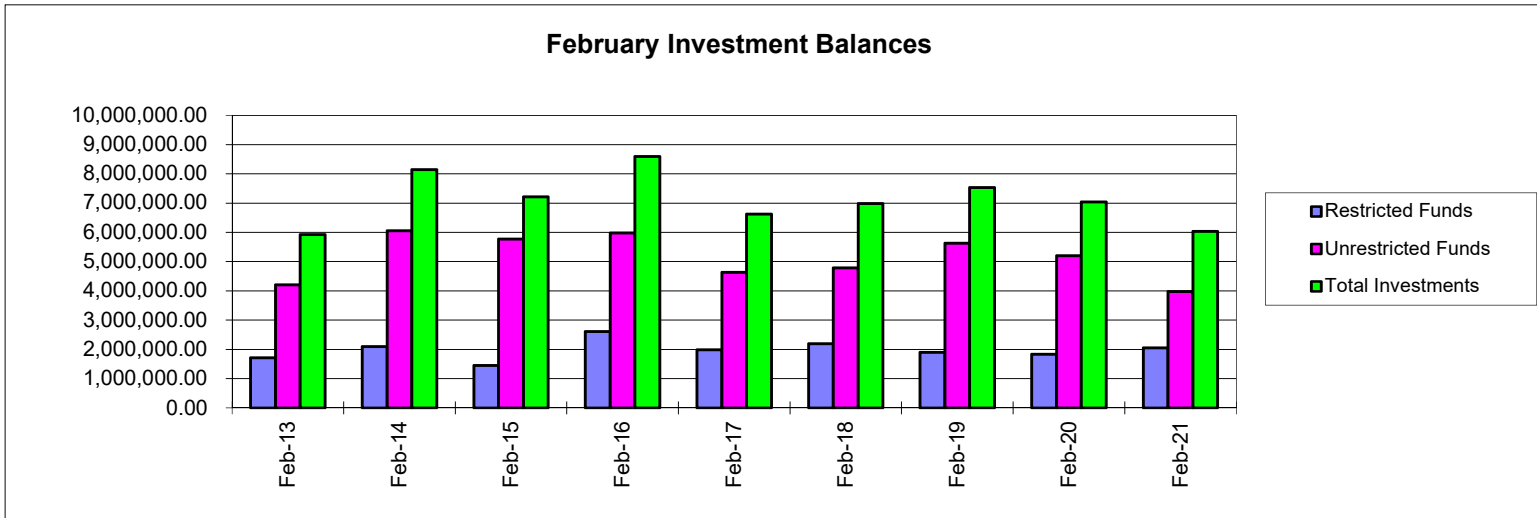
Disaster Recovery Fund	1,500,000.00
------------------------	--------------

<b>Total Restricted and Designated Funds</b>	<u>\$ 3,551,819.92</u>
--	------------------------

**Net Cash and Investments** \$ 2,481,914.80

\* not adjusted for 2020

	Feb-13	Feb-14	Feb-15	Feb-16	Feb-17	Feb-18	Feb-19	Feb-20	Feb-21
Restricted Funds	1,712,204.76	2,093,263.78	1,447,332.08	2,613,436.79	1,987,065.38	2,195,147.73	1,897,868.01	1,837,825.60	2,051,819.92
Unrestricted Funds	4,207,537.75	6,054,118.09	5,767,010.96	5,975,061.16	4,636,802.92	4,786,305.09	5,631,999.35	5,197,829.90	3,981,914.80
Total Investments	5,919,742.51	8,147,381.87	7,214,343.04	8,588,497.95	6,623,868.30	6,981,452.82	7,529,867.36	7,035,655.50	6,033,734.72
Minimum cash reserve			4,542,427.00	4,828,355.00	4,707,627.00	4,719,921.00	4,887,919.00	4,901,155.00	4,901,155.00





# CITY OF GRAND RAPIDS

## Legislative Master

**File Number: 21-1737**

**File ID:** 21-1737

**Type:** Agenda Item

**Status:** Consent Agenda

**Version:** 1

**Reference:**

**In Control:** Public Utilities  
Commission

**File Created:** 03/11/2021

**File Name:** Uncollectible Accounts 2021 Feb

**Final Action:**

**Title:** Consider a motion to approve the write off of February uncollectible accounts in the amount of \$431.88.

**Notes:**

**Sponsors:**

**Enactment Date:**

**Attachments:** Uncollectible Accounts 2021 Feb

**Enactment Number:**

**Contact:**

**Hearing Date:**

**Drafter:** Tyanne Betts

**Effective Date:**

**Related Files:**

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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### Text of Legislative File 21-1737

Consider a motion to approve the write off of February uncollectible accounts in the amount of \$431.88.

#### Background Information:

The attached list, with the redacted customer information for privacy, shows the amounts of the requested write offs.

#### Requested Commission Action:

Consider a motion to approve the write off of February uncollectible accounts in the amount of \$431.88.

## For Commission to Approve Write-off

Location	Customer Name	Address	Reason	March 2021 Meeting	
				Closed	Amount
			Deceased	10/7/2020	431.88
			Total- Write off (Deceased)		\$ 431.88



# CITY OF GRAND RAPIDS

## Legislative Master

**File Number: 21-1734**

**File ID:** 21-1734

**Type:** Agenda Item

**Status:** Consent Agenda

**Version:** 1

**Reference:**

**In Control:** Public Utilities  
Commission

**File Created:** 03/11/2021

**File Name:**

**Final Action:**

**Title:** Consider a motion to approve the purchase of 400 cubic feet of 3.5 inch tripack packing from KemFlo Companies for the Water Treatment Plant Aerator in the amount of \$5,840.00.

**Notes:**

**Sponsors:**

**Enactment Date:**

**Attachments:** March 2021 - Quote - Kemflo, March 2021 - Quote -  
Controlled Air design

**Enactment Number:**

**Contact:**

**Hearing Date:**

**Drafter:** Steve Mattson

**Effective Date:**

**Related Files:**

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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### Text of Legislative File 21-1734

Consider a motion to approve the purchase of 400 cubic feet of 3.5 inch tripack packing from KemFlo Companies for the Water Treatment Plant Aerator in the amount of \$5,840.00.

#### **Background Information:**

This is a request to change an operations and maintenance (O&M) expense to an un-budgeted capital project expense. There is \$6000 labor approved in the O&M budget to remove and clean the existing aerator packing this year. Unfortunately, after starting this project with an in-depth inspection of the aerator, it was determined that we need to replace, rather than clean, the existing packing.

We have a separately approved WTP Security capital project and based on current quotes

it appears we will be significantly under budget for this project. The approved budget is \$20,000 and we estimate we will spend less than \$12,000 for that project. We request using the remaining \$8,000 from the Security Project for an Aerator Packing Replacement capital project. This \$8,000 project would include the labor to remove the existing packing and the purchase and installation of the new packing. Most of the \$6000 budgeted for O&M will not be spent.

Two quotes were received for the aerator packing. One from KemFlo companies for \$12.10 per cubic foot and one from Controlled Air Design for \$18.50 per cubic foot. We recommend approval of the KemFlo Companies quote for the aerator packing for \$12.10 per cubic foot for 400 cubic feet plus \$1000 transportation for a total of \$5,840.

**Requested Commission Action:**

Consider a motion to approve the purchase of 400 cubic feet of 3.5 inch tripack packing from KemFlo Companies for the Water Treatment Plant Aerator in the amount of \$5,840.00.



## Quotation

500 Edward Ave  
Richmond Hill, ON  
L4C 4Y9  
Phone 905-832-1217

<b>Quote #</b>	20210304001	<b>Date</b>	03/04/2021
<b>Customer</b>	899998	<b>FOB</b>	PREPAID AND CHARGE
<b>Customer Name</b>	CASH ACCOUNT (US)	<b>Terms</b>	COD
<b>Attention</b>	Steve R Mattson	<b>Sales Representative</b>	Jason Joseph jj@kempac-packing.com

Quote Revision March 8, 2021  
Payment terms: COD  
Freight:  
Prepaid and charged from Canadian location \$1,000.00  
Lead time: next week

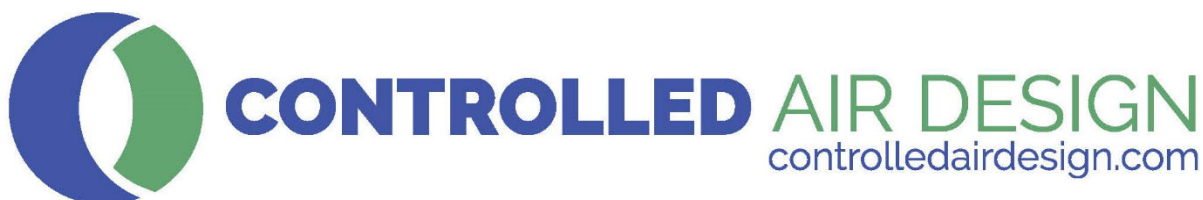
Product	Description	Quantity	Price	Total
1 901040	3-1/2IN PP/NAT TRIPACKS PLASTIC SPHERICAL PACKING	400.00 cu	12.10000	4,840.00
2 TRANSPORT	TRANSPORT	1.00 Pcs	1,000.00000	1,000.00

Customer Fax:

Quote valid for 30 days

<b>Subtotal</b>	5,840.00
<b>Total</b>	<b>\$5,840.00</b>





March 4, 2021  
Quote # ES-0304-01

**Grand Rapids Public Utility**  
**Attn: Steve Mattson**  
**(213 326 7195)**

Steve,

Here is your formal quote for 3.5: Polypro NSF spherical packing media. If you have any questions, please do not hesitate to contact us.

3.5" Globe-Pac NSF Polypro Spherical Tower Packing Media:.....\$18.50 per ft  
600 cu ft:.....\$11,100.00

Optional Palleting Charge:.....\$500.00

Shipping without pallets:.....\$2,750.00

Shipping with pallets:.....\$3,250.00

Lead time: Can usually ship within 1-3 days. Currently can ship from Houston, TX this Monday if order is in today.  
Terms: Checks, credit cards, wire transfer

We appreciate the opportunity to quote quality dust collection equipment for your review. We look forward to assisting you with all your air, coolant purification and vacuum needs. We hope to be awarded with your order.

Respectfully,  
Éamonn M. Shanahan  
Controlled Air Design  
PO Box 90192  
Raleigh, NC 27675  
C: (919) 607-6765 O:(800) 635-0298 F:(984)204-7755  
<https://www.controlledairdesign.com/>





# CITY OF GRAND RAPIDS

## Legislative Master

**File Number: 21-1739**

**File ID:** 21-1739

**Type:** Agenda Item

**Status:** Consent Agenda

**Version:** 1

**Reference:**

**In Control:** Public Utilities  
Commission

**File Created:** 03/12/2021

**File Name:**

**Final Action:**

**Title:** Consider a motion to approve the purchase of a Radiodetection RD8100  
Locator Kit from Sub Surface Solutions for \$6959.

**Notes:**

**Sponsors:**

**Enactment Date:**

**Attachments:** Subsurface Solutions RD8100 Locator Kit, Advanced  
Tool & Equipment RD8100 Locator Kit

**Enactment Number:**

**Contact:**

**Hearing Date:**

**Drafter:**

**Effective Date:**

**Related Files:**

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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### Text of Legislative File 21-1739

Consider a motion to approve the purchase of a Radiodetection RD8100 Locator Kit from Sub Surface Solutions for \$6959.

### Background Information:

This new radio locator will be used by our in house locator for GRPU electric, water, sewer, and fiber lines as well as City street lighting and stormwater infrastructure. The cost for locator equipment is part of the approved 2021 GIS-Locator budget shared with the City.

Two quotes were received. One from Advanced Toll & Equipment in the amount of \$6952 and one from Subsurface Solutions in the amount of \$6959. Subsurface Solutions offers on-site training and support for this equipment therefore we request purchasing the locator kit from the vendor with a \$7 higher cost.

**Requested Commission Action:**

Consider a motion to approve the purchase of a Radiodetection RD8100 Locator Kit from Sub Surface Solutions for \$6959.



Home	Products	Accessories	Training	Blog	Contact Us	SubsurfaceMaps
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Home / RD8100 Locator Kit



Subsurface Solutions



## RD8100 Locator Kit

\$6,959.00

The RD8100 is the most advanced locator with on-board GPS, data logging, 5 diamond precision cut antennas and much more

Receiver Style

PTL

▼

Transmitter Style

10 Watt

▼

Carry Case

Soft Bag

▼

Marker Ball Antenna

None

▼

Quantity


1

Add to Cart



- Description
- Videos
- Specs
- Documents

5 Diamond Cut Precision Antenna's



# Subsurface Solutions

Unique arrangement of 5 diamond cut precision antennas with ground shields deliver superior locate accuracy. Radiodetection patented software and Dynamic Overload Protection deliver clear locates in electric substations or under power

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[Accessories](#)
[Training](#)
[Blog](#)
[Contact Us](#)
[SubsurfaceMaps](#)

- 5 Earth Grounded Antennas
- Directional Compass
- 6 Antenna Configurations with new Guidance Mode and Peak+
- Directional Compass
- Auto Depth and Current Measurement

### Internal GPS with SBAS

When equipped with GPS, RD8100 locators can be used to map utilities and export them to GIS maps using CSV and Excel, or straight to Google Earth. GPS with SBAS is 1-3 meters accurate. Each unit can utilize external GPS units for greater accuracy.

#### Usage Logging

Each unit also automatically logs each locate for over 500 days, providing a comprehensive picture of individual locates and allowing you to assess usage patterns. Usage logs give proof of locate responses, training aids, or in-house quality and safety audits.

- **Store up to 1000 GPS map point with locate data (depth, current, frequency, etc)**
- **Usage-logging of over 500 days of locates**
- **Export to Google Earth, Excel or other GIS platforms**
- **Tag your KML file to each 1-Call ticket**

### Bluetooth over 1400 feet

Each 8100G series receiver includes an advanced Bluetooth link to your transmitter from up to 1400 feet. Switch power levels and frequencies from the receiver and spend less time walking and more time locating. The Sidestep feature enables an operator to move the transmitter frequency slightly when multiple operators are locating.

#### Bluetooth Transfer Data

Save 1000 GPS locations and export using Bluetooth or USB. Connect external GNSS enabled devices to combine survey measurements with that device's GNSS data on the external device.


- **iLoc Remote control over your transmitter up to 1400+ feet**
- **Send locate data to a laptop**
- **Sync GNSS data from external GPS units**

### Remote Calibration and Customization

Using RD Manager software you can remotely certify your unit is calibrated, customize frequencies and options, review locate logs, download GPS data, and download software updates. Choose to automatically schedule calibration and provide the user with a warning when his receiver is within 30 days from the selected service date. All calibration certificates are stored within the locator and can be printed anytime.

- Over 30 frequencies with custom frequency select up to 5 more
- **Self Calibration Checks**
- Free software updates
- 50 software and hardware patents
- 3 Year warranty
- Ergonomically Sexy!!!

### Li-Ion Battery Pack



Like 27

YouTube 2K

0

# Subsurface Solutions

Damage Prevention Experts

Lithium-Ion rechargeable battery options for both the receiver and transmitter provide extended 35+ hours runtime and reduced running costs. The locator allows the original alkaline pack to be used for another 13+ hours.

10 Watt, 5 Watt, 6 D-cell with 90 Volt Kit

Home	Products	Accessories	Training	Blog	Contact Us	SubsurfaceMaps
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- Recharge on the fly using AC or your Auto DC outlet

## TRANSMITTERS

The RD8100 can be ordered with a 5 Watt or 10 Watt transmitter. Only the 10 Watt transmitter comes with additional Current Direction frequencies but both units come with Fault Find mode. A large, high contrast, backlit LCD screen provides the user with clear information. The interface is intuitive and responsive, allowing the operator to access any feature with ease. Each transmitter is capable of 90 Volts, which helps on really high impedance locates. The transmitters use 8 D-cell batteries and can be powered from the optional Lilon recharge kit or external AC plug.



### Contact Us

Tel: 402-577-0227  
admin@subsurfacesolutions.com

### Customer Service

[Contact Us >](#) / [Shipping >](#)  
[Returns >](#) / [Payment & Warranty >](#)

### We Accept



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Surveying

Construction

Locating

Testing

Accessories

Cases



## Radiodetection RD8100

\$3,957.00

RD8100® cable locator is engineered for damage prevention when locating buried utilities. It features an advanced range of underground utility detection, integrated GPS and usage logging, and a rugged design.

RD8100 is our most advanced range-finding tool and builds on over 40 years of pedigree and durability. Containing a uniquely manufactured, precision-ground antenna, it is the best method to locate specific pipes and conduits.

With utility infrastructures becoming more complex, professionals require more powerful tools. Current Direction and iLOC on the RD8100 provide a versatile Tx Transmitter range to detect utilities in tough conditions.

Integrated GPS and usage-logging capabilities allow for customer reports, or in-house quality control and best working practices.

[Radiodetection RD8100 Accessories](#)

[Radiodetection RD8100 Operation Manual](#)

We carry all 8100 models – RD8100I

In stock

1

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SKU: 10/81PTL-1

Information

We are your authorized dealer supplying the Carribean, Bahamas, Central & South America only from Miami, FL

Related products

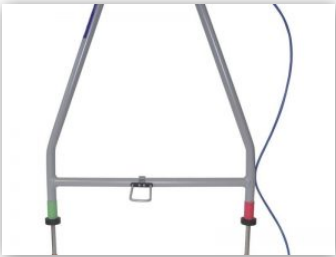


Radiodetection Clamp 2" 50mm for RD 7000 8000 8100 Locator

Free Shipping

\$462.00

Add to cart 🛒



Radiodetection Locator A-Frame 10/RX-AFRAME for RD7000 RD8000 RD7100 RD8100

Free Shipping

\$589.99

Add to cart 🛒



Radiodetection Locator Small Stethoscope 10/RX-STETHOSCOPE-S

Free Shipping

\$319.99

Add to cart 🛒





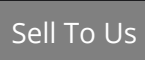

Radiodetection NIMH CHARGER for RD 7000 8000 8100 Marker Loc Wand

Free Shipping

\$229.99

Add to cart 🛒





Advanced Tool & Equipment  
[5951 NW 151 Street #37](#)  
[Miami Lakes, FL 33014](#)



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**Fax:** 305-675-8015

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## Radiodetection Multifunction Transmitter TX-10

\$2,994.99 – \$3,209.00

Based on a fully digital platform, the Tx-10 has been designed to complement Radiodetection's precision cable and pipe locators in Locating ranges.

The Tx range is designed to meet the demands of today's complex underground power transmitter. The Tx-5 has a Fault-Find as well as Fault-Find. The Tx-10 has both Fault-Find and CD modes as standard.

The transmitter range features local locators across the Radiodetection product line, easily customized to match your choice of feature.

All transmitters feature constant current in all modes (direct connect, clamp-on) for convenience on-site with an IP65 ingress protection accessory tray and a large, high-contrast display.



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Contact us if you have question

Bluetooth

Without Bluetooth

\$2,994.99

In stock

1

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SKU: 10/TX-10

## Information

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## Related products



**Radiodetection Clamp 4"  
100mm for TX-1 TX-5 TX-10  
Transmitter**

Free Shipping

\$462.00

Add to cart

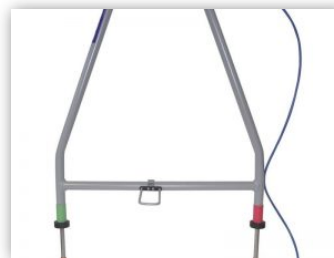


**Radiodetection TX-1 TX-5 TX-10  
Transmitter Rechargeable  
Battery Pack**

Free Shipping

\$429.99

Add to cart



**Radiodetection Locator A-Frame  
10/RX-AFRAME for RD7000  
RD8000 RD7100 RD8100**

Free Shipping

\$589.99

Add to cart



**Radiodetection Soft Carry  
Bag for RD 5000 7000  
8000 8100 Locator**

Free Shipping

\$229.99

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Location

Information

Payment Info

3/12/2021

Radiodetection Multifunction Signal Transmitter TX-10 | Advanced Tool & Equipment

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https://advancedtoolcorp.com/product/radiodetection-multifunction-signal-transmitter-tx-10/

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# CITY OF GRAND RAPIDS

## Legislative Master

**File Number: 21-1742**

**File ID:** 21-1742

**Type:** Agenda Item

**Status:** Administration

**Version:** 1

**Reference:**

**In Control:** Public Utilities  
Commission

**File Created:** 03/12/2021

**File Name:** Admin Dept Report

**Final Action:**

**Title:** Review the March Administration Department Report.

**Notes:**

**Sponsors:**

**Enactment Date:**

**Attachments:** 2021-0317 Administrative Report.pdf

**Enactment Number:**

**Contact:**

**Hearing Date:**

**Drafter:**

**Effective Date:**

**Related Files:**

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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### Text of Legislative File 21-1742

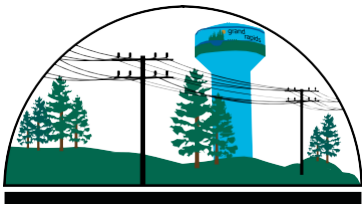
Review the March Administration Department Report.

#### Background Information:

See attached report.

#### Requested Commission Action:

No action needed - for review only.



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## **ADMINISTRATION DEPARTMENT MONTHLY REPORT March 2021 Commission Meeting**

### **Safety**

There were no OSHA recordable accidents in the Administration Department in February.

### **Staffing**

- Recognized monthly peer-to-peer employee appreciation awards (Shannon, Kari, & Troy)

### **Community Involvement**

- Presented on Solar plus Storage Project at the GR Area Business & Tourism Committee meeting
- Four employees participating this month in employee leadership volunteering efforts at Second Harvest

### **Projects Performed Last Month**

- Conducted new employee and on-boarding for Business Services Manager
- Assisted staff with development of the revised customer rebate program
- Attended part 1 of 2 virtual forums on the future of energy storage in Minnesota
- Participated as part of MMUA Executive Committee in search for President Jack Kegel's successor

### **Projects Scheduled for This Month**

- Attend legislative conferences and individual meetings with legislators
- Prepare the process and draft documents for 2021 Policy Governance work
- Develop the organization and format for GRPU intranet
- Coordinate virtual safety trainings for employees



# CITY OF GRAND RAPIDS

## Legislative Master

**File Number: 21-1736**

**File ID:** 21-1736

**Type:** Agenda Item

**Status:** Business Services  
Department

**Version:** 1

**Reference:**

**In Control:** Public Utilities  
Commission

**File Created:** 03/11/2021

**File Name:** Business Services Dept Report 2021 Feb

**Final Action:**

**Title:** Review the March Business Services Department Report.

**Notes:**

**Sponsors:**

**Enactment Date:**

**Attachments:** 2021-02 Business Services Monthly Report

**Enactment Number:**

**Contact:**

**Hearing Date:**

**Drafter:** Tyanne Betts

**Effective Date:**

**Related Files:**

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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### Text of Legislative File 21-1736

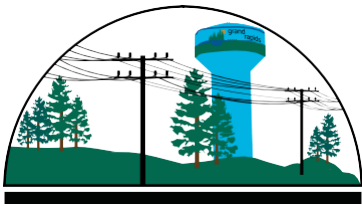
Review the March Business Services Department Report.

#### Background Information:

None.

#### Requested Commission Action:

No action needed - for review only.



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## **BUSINESS SERVICES DEPARTMENT MONTHLY REPORT March 2021 Commission Meeting**

### **Safety**

There were no OSHA recordable accidents in February.

### **Revenue Report Last Month**

The attached table shows the monthly revenue report for last month.

### **Effective Wholesale Electric Rate Last Month**

The attached graph shows the effective wholesale electric rate for last month.

### **Projects Performed Last Month**

- Preparing for the financial statement audit.
- Continue training new customer service and accounting personnel.
- Cybersecurity awareness training (Knowbe4) – ‘Review and Assessment of Past Year.’

### **Projects Scheduled for This Month**

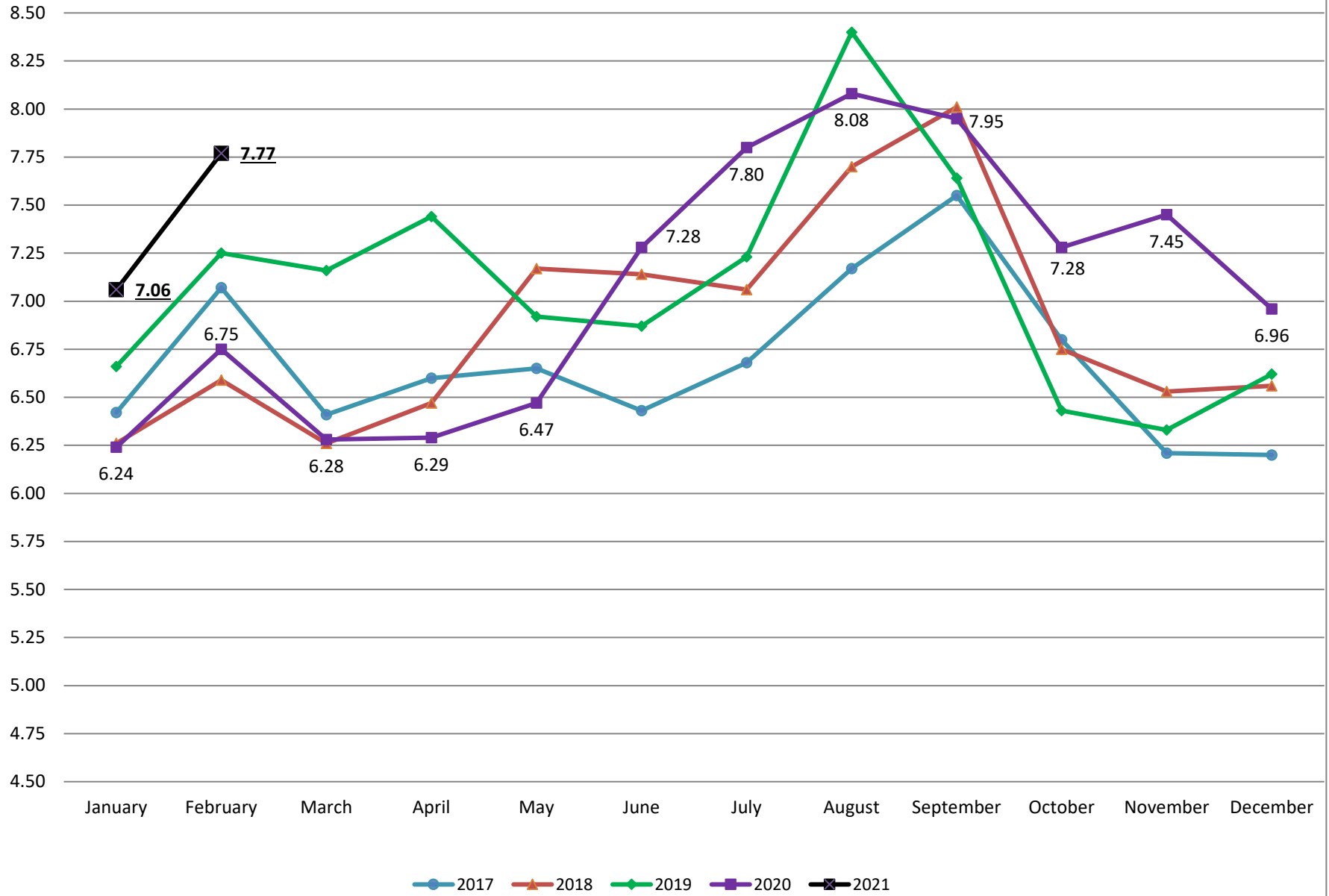
- Preparing for the financial statement audit and audit field work the week of March 22.
- Continue training new customer service staff; focusing on preparing for May rate changes.
- Knowledge transfer and transitioning of the new Business Services Manager.
- Evaluating options related to upgrading the business application software.
- Cybersecurity awareness training (Knowbe4) – ‘Analysis of Past Years’ Data.’



## Monthly Revenue Report

	2018 YTD February	2019 YTD February	2020 YTD February	2021 YTD February	2021 YTD February Budget	% of Budget
<b>Electric Department</b>						
City Residential	763,142	753,431	727,927	832,507	778,910	106.88%
Rural Residential	207,730	202,252	191,555	225,295	205,435	109.67%
City Commercial	473,188	469,575	496,799	449,703	455,438	98.74%
Rural Commercial	62,610	66,176	66,774	71,301	58,327	122.24%
City Demand & Energy	847,744	871,482	825,201	835,116	861,491	96.94%
Rural Demand & Energy	32,462	36,821	33,231	32,170	29,204	110.16%
City Industrial	249,853	249,358	236,045	241,137	254,700	94.67%
City Commercial- EVC Sales				144	0	
City Load Management	79,332	75,781	66,884	74,934	76,734	97.65%
Rural Load Management	57,538	50,796	42,954	48,246	55,428	87.04%
Total Electric Retail Sales	2,773,600	2,775,671	2,687,371	2,810,553	2,775,667	101.26%
Windsense Program	0	0	0	0	0	
Security Lighting	9,385	9,300	9,960	10,195	10,026	101.69%
Total Sales	2,782,984	2,784,972	2,697,331	2,820,749	2,785,693	101.26%
Purchased Power Pass-thru	104,905	113,596	3,665	185,394	121,649	-
Total Electric	2,887,889	2,898,568	2,700,996	3,006,143	2,907,342	103.40%
% Change from previous year		0.37%	-6.82%	11.30%		
Electric rate increase - average					0	
Total Power Expense	2,014,928	2,064,112	1,852,215	2,131,763	2,128,893	100.13%
Gross Margin		29%	31%	29%		
<b>Water Department</b>						
City Residential	91,005	101,240	97,190	103,419	97,510	106.06%
City Commercial / Industrial	100,279	101,011	98,272	97,654	95,696	102.05%
City Multi-Family	32,671	41,329	39,034	39,832	35,520	112.14%
Rural Residential	0	0	0	0	0	
Rural Commercial	0	0	0	0	0	
Public Authorities	5,042	5,708	5,690	5,872	5,100	115.14%
Total Water	228,997	249,289	240,187	246,777	233,826	105.54%
% Change from previous year		8.86%	-3.65%	2.74%		
Water rate increase - average						
<b>Wastewater Collection Department</b>						
City Residential	106,014	119,871	114,487	122,055	117,000	104.32%
City Commercial	126,621	130,553	124,589	117,883	124,490	94.69%
City Multi-Family	0	0	0	0	0	0.00%
Rural Residential	122	142	142	128	140	91.43%
Rural Commercial	483	648	638	716	640	111.94%
Public Authorities	25,614	20,742	21,549	31,134	20,000	155.67%
Septage Haulers	16,610	2,903	8,858	18,146	3,010	602.87%
Total Wastewater Collection	275,464	274,860	265,703	290,063	265,280	109.34%
% Change from previous year		-0.22%	-3.33%	9.17%		
Wastewater Collect rate increase - average					0	

## Effective Electric Rate (¢/kWh)



	January	February	March	April	May	June	July	August	September	October	November	December	
<u>2017</u>	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Total
<b>Billing Units</b>													
Demand (kW) (15 minute)	29,024	26,296	25,092	22,680	21,796	24,072	28,864	27,880	25,552	22,496	24,816	27,952	306,520
Coincident Peak (60 Minute) prior month	27,297	28,099	25,377	24,728	21,282	19,704	21,949	26,232	27,386	25,203	21,332	23,174	291,763
Energy (kWh)	16,128,880	13,698,800	14,661,080	12,579,120	12,332,320	12,691,160	14,230,240	13,495,160	12,488,000	12,602,640	13,996,160	16,072,480	164,976,040
<b>Subtotal Monthly Electric Billing</b>	<b>\$1,058,994.84</b>	<b>\$968,046.45</b>	<b>\$939,499.78</b>	<b>\$857,021.91</b>	<b>\$819,654.10</b>	<b>\$815,694.09</b>	<b>\$968,327.50</b>	<b>\$967,659.02</b>	<b>\$990,570.79</b>	<b>\$856,934.73</b>	<b>\$868,626.70</b>	<b>\$996,109.80</b>	<b>\$11,107,139.71</b>
<b>Allocation of MP contract extension lump sum payment \$1,440,125 (3.42xkW)</b>	<b>(\$23,725.16)</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>(\$23,725.16)</b>
<b>Coincident Peak Corrections (Sept 2016, Oct 2016, Jan 2017, Feb 2017)</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>(\$27,219.58)</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>(\$27,219.58)</b>
<b>2016 non-fuel energy true-up</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>(\$17,264.89)</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>(\$17,264.89)</b>
<b>FERC ROE Adjustment</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>(\$47,348.89)</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>(\$47,348.89)</b>
<b>Total Electric billing</b>	<b>\$1,035,269.68</b>	<b>\$968,046.45</b>	<b>\$939,499.78</b>	<b>\$829,802.33</b>	<b>\$819,654.10</b>	<b>\$815,694.09</b>	<b>\$951,062.61</b>	<b>\$967,659.02</b>	<b>\$943,221.90</b>	<b>\$856,934.73</b>	<b>\$868,626.70</b>	<b>\$996,109.80</b>	<b>\$10,991,581.19</b>
<b>Effective Electric Rate (¢/kWh)-2017</b>	<b>6.42</b>	<b>7.07</b>	<b>6.41</b>	<b>6.60</b>	<b>6.65</b>	<b>6.43</b>	<b>6.68</b>	<b>7.17</b>	<b>7.55</b>	<b>6.80</b>	<b>6.21</b>	<b>6.20</b>	<b>6.66</b>
<u>2018</u>	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Total
<b>Billing Units</b>													
Demand (kW) (15 minute)	28,000	26,324	23,284	23,040	28,464	26,732	27,988	29,960	24,428	21,484	24,260	25,248	309,212
Coincident Peak (60 Minute) prior month	27,362	26,325	25,465	20,956	22,708	24,906	26,545	27,011	29,583	22,146	19,646	22,417	295,070
Energy (kWh)	16,104,840	14,088,000	13,698,400	12,598,560	12,377,840	12,671,200	14,388,280	14,053,240	12,089,880	12,669,920	13,683,680	14,494,720	162,918,560
<b>Subtotal Monthly Electric Billing</b>	<b>\$1,008,276.39</b>	<b>\$929,069.32</b>	<b>\$857,969.31</b>	<b>\$815,103.88</b>	<b>\$887,512.86</b>	<b>\$905,085.72</b>	<b>\$1,015,563.63</b>	<b>\$1,082,068.24</b>	<b>\$968,467.12</b>	<b>\$855,712.32</b>	<b>\$893,553.43</b>	<b>\$950,411.28</b>	<b>\$11,168,793.50</b>
<b>Total Electric billing</b>	<b>\$1,008,276.39</b>	<b>\$929,069.32</b>	<b>\$857,969.31</b>	<b>\$815,103.88</b>	<b>\$887,512.86</b>	<b>\$905,085.72</b>	<b>\$1,015,563.63</b>	<b>\$1,082,068.24</b>	<b>\$968,467.12</b>	<b>\$855,712.32</b>	<b>\$893,553.43</b>	<b>\$950,411.28</b>	<b>\$11,168,793.50</b>
<b>Effective Electric Rate (¢/kWh)-2018</b>	<b>6.26</b>	<b>6.59</b>	<b>6.26</b>	<b>6.47</b>	<b>7.17</b>	<b>7.14</b>	<b>7.06</b>	<b>7.70</b>	<b>8.01</b>	<b>6.75</b>	<b>6.53</b>	<b>6.56</b>	<b>6.86</b>
<u>2019</u>	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Jul-19	Aug-19	Sep-19	Oct-19	Nov-19	Dec-19	Total
<b>Billing Units</b>													
Demand (kW) (15 minute)	28,452	26,204	24,420	21,872	21,656	24,392	29,488	27,460	23,224	21,744	24,352	26,296	299,560
Coincident Peak (60 Minute) prior month	23,154	27,522	24,462	24,218	21,047	16,833	20,816	27,001	26,166	20,057	20,208	24,268	275,752
Energy (kWh)	15,812,960	13,941,120	13,717,120	11,958,440	11,673,240	11,762,160	14,229,320	13,165,240	11,707,120	12,512,280	13,385,120	14,791,920	158,656,040
<b>Subtotal Monthly Electric Billing</b>	<b>\$1,053,751.23</b>	<b>\$1,010,360.57</b>	<b>\$981,822.62</b>	<b>\$889,235.62</b>	<b>\$808,349.83</b>	<b>\$807,740.69</b>	<b>\$1,029,100.82</b>	<b>\$1,105,540.11</b>	<b>\$894,440.27</b>	<b>\$804,293.15</b>	<b>\$846,922.55</b>	<b>\$979,651.63</b>	<b>\$11,211,209.09</b>
<b>Total Electric billing</b>	<b>\$1,053,751.23</b>	<b>\$1,010,360.57</b>	<b>\$981,822.62</b>	<b>\$889,235.62</b>	<b>\$808,349.83</b>	<b>\$807,740.69</b>	<b>\$1,029,100.82</b>	<b>\$1,105,540.11</b>	<b>\$894,440.27</b>	<b>\$804,293.15</b>	<b>\$846,922.55</b>	<b>\$979,651.63</b>	<b>\$11,211,209.09</b>
<b>Effective Electric Rate (¢/kWh)-2019</b>	<b>6.66</b>	<b>7.25</b>	<b>7.16</b>	<b>7.44</b>	<b>6.92</b>	<b>6.87</b>	<b>7.23</b>	<b>8.40</b>	<b>7.64</b>	<b>6.43</b>	<b>6.33</b>	<b>6.62</b>	<b>7.07</b>
<u>2020</u>	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Total
<b>Billing Units</b>													
Demand (kW) (15 minute)	25,820	26,084	22,276	20,208	21,304	28,076	30,004	27,396	22,248	22,120	23,148	24,920	293,604
Coincident Peak (60 Minute) prior month	21,256	25,165	24,794	20,160	19,622	16,126	25,732	26,890	23,642	21,458	20,745	22,348	267,938
Energy (kWh)	14,953,360	13,748,200	13,045,600	11,386,520	10,930,160	12,166,160	14,493,320	13,814,240	11,815,720	12,889,520	12,731,240	14,505,080	156,479,120
<b>Subtotal Monthly Electric Billing</b>	<b>\$932,922.78</b>	<b>\$927,593.49</b>	<b>\$818,790.19</b>	<b>\$715,990.86</b>	<b>\$707,281.69</b>	<b>\$886,022.04</b>	<b>\$1,130,010.36</b>	<b>\$1,116,334.81</b>	<b>\$939,205.78</b>	<b>\$938,660.49</b>	<b>\$948,252.06</b>	<b>\$1,009,194.27</b>	<b>\$11,070,258.82</b>
<b>Total Electric billing</b>	<b>\$932,922.78</b>	<b>\$927,593.49</b>	<b>\$818,790.19</b>	<b>\$715,990.86</b>	<b>\$707,281.69</b>	<b>\$886,022.04</b>	<b>\$1,130,010.36</b>	<b>\$1,116,334.81</b>	<b>\$939,205.78</b>	<b>\$938,660.49</b>	<b>\$948,252.06</b>	<b>\$1,009,194.27</b>	<b>\$11,070,258.82</b>
<b>Effective Electric Rate (¢/kWh)-2020</b>	<b>6.24</b>	<b>6.75</b>	<b>6.28</b>	<b>6.29</b>	<b>6.47</b>	<b>7.28</b>	<b>7.80</b>	<b>8.08</b>	<b>7.95</b>	<b>7.28</b>	<b>7.45</b>	<b>6.96</b>	<b>7.07</b>
<u>2021</u>	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Total
<b>Billing Units</b>													
Demand (kW) (15 minute)	25,636	26,356	0	0	0	0	0	0	0	0	0	0	51,992
Coincident Peak (60 Minute) prior month	24,253	23,581	0	0	0	0	0	0	0	0	0	0	47,834
Energy (kWh)	14,643,440	14,049,560	0	0	0	0	0	0	0	0	0	0	28,693,000
<b>Subtotal Monthly Electric Billing</b>	<b>\$1,033,429.16</b>	<b>\$1,091,838.91</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$2,137,018.07</b>
<b>Total Electric billing</b>	<b>\$1,033,429.16</b>	<b>\$1,091,838.91</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$2,137,018.07</b>
<b>Effective Electric Rate (¢/kWh)-2020</b>	<b>7.06</b>	<b>7.77</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>7.45</b>

**Grand Rapids Public Utilities**  
**Electric Service Billing Summary 2021 -Municipal rate**

Unofficial billings													Total
	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	
<b>Billing Units</b>													
Demand (kW) (15 minute)	25,636	26,356											51,992
Coincident Peak (60 Minute) prior month	24,253	23,581											47,834
Energy (kWh)	14,643,440	14,049,560											28,693,000
Excess Reactive Kvar													
Billing month (days)	31												31
Load Factor (%)	76.8%	2221.1%	4.2%	4.2%	4.2%	4.2%	4.2%	4.2%	4.2%	4.2%	4.2%	4.2%	
<b>Demand Charge</b>													
Service Charge	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	
Generation Capacity Charge	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10	\$19.10	
Excess Reactive Demand chg	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	0.155	
Generation Cap Charge less than 115 kV	0	0	0		0	0	0	0	0	0	0	0	
<b>Energy Charge</b>													
All kWh (\$/kWh)	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075	\$0.02075	
<b>Adjustment Charges</b>													
Monthly Energy Adj (\$/kWh)													
Monthly Energy Tru Up ( Prior Month)													
Resale Energy Adjustment	\$0.004072	\$0.006561	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	
<b>MISO Charges (\$/kW)</b>													
Sch 1 - Sched system control & dispatch	\$0.029	\$0.231	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	
Sch 7 - HVDC firm transmission charge	\$0.655	\$0.642	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	
Sch 8 - HVDC non-firm transm charge	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	
Sch 9 - AC zonal transmission charge	\$3.905	\$4.555	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	
Sch 10 - AC administrative charge	\$0.172	\$0.153	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	
Sch 35 - HVDC administrative charge	\$0.021	\$0.018	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	
Sch 26 - Network upgrade / transm planning	\$0.807	\$0.980	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	
Sch 26A - Multi-value project cost recovery	\$1.221	\$1.251	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	
Sch 45 - NERC ALERT	\$0.437	\$0.456	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	
<b>Sub total</b>	<b>\$7.247</b>	<b>\$8.286</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.000</b>	
<b>Ancillary- reactive supply,voltage control sch 2</b>	0.1620	0.1810	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Regulation & Frequency schedule 3	0.00	0	0	0	0	0	0	0	0	0	0	0	
Operating reserve Schedule 5	0.00	0	0	0	0	0	0	0	0	0	0	0	
Operating Reserve Schedule 6	0.00	0	0	0	0	0	0	0	0	0	0	0	
<b>Sub total</b>	<b>\$0.162</b>	<b>\$0.181</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.000</b>	<b>\$0.000</b>	
<b>Electric Service Billing</b>													
Service Charge	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	\$1,175.00	
Excess Reactive Demand Chg	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Demand charge	\$489,647.60	\$503,399.60	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$993,047.20
													\$0.00
<b>Total Demand Cost</b>	<b>\$490,822.60</b>	<b>\$504,574.60</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$993,047.20</b>
<b>Energy Cost</b>	<b>\$303,851.38</b>	<b>\$291,528.37</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$595,379.75</b>
													\$0.00
<b>Total Energy Cost</b>	<b>\$303,851.38</b>	<b>\$291,528.37</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$595,379.75</b>
<b>MISO Charges</b>													
Zonal Schedules 7-8-9	\$703.34	\$5,447.21	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$6,150.55
DC Schedule 7	\$15,885.72	\$15,139.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$31,024.72
DC Schedule 8	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Scheduling, Control, dispatch schedule 1	\$94,707.97	\$107,411.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$202,119.43
Administrative schedule 10	\$4,171.52	\$3,607.89	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$7,779.41
DC Administrative Schedule 35	\$509.31	\$424.46	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$933.77
Transmission Schedule 26	\$19,572.17	\$23,109.38	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$42,681.55
MVP- Schedule 26A	\$29,612.91	\$29,499.83	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$59,112.74
NERC ALERT - Sch 45	\$10,598.56	\$10,752.94	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$21,351.50
<b>Total MISO Cost</b>	<b>\$175,761.50</b>	<b>\$195,392.17</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$371,153.67</b>
<b>Ancillary Charges</b>													
reactive supply,volt control sch 2	\$3,928.99	\$4,268.16	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8,197.15
Regulation & Frequency schedule 3	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operating reserve Schedule 5	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Operating Reserve Schedule 6	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
<b>Total Ancillary Cost</b>	<b>\$3,928.99</b>	<b>\$4,268.16</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$8,197.15</b>
Monthly Energy Adj (Budget)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Monthly Energy Adj Tru-UP Prior month	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Resale Energy Adjustment	\$59,064.69	\$96,075.61	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$155,140.30
													\$0.00
<b>Total Monthly Energy Tru -Up Cost</b>	<b>\$59,064.69</b>	<b>\$96,075.61</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$155,140.30</b>
<b>Subtotal Electric Billing</b>	<b>\$1,033,429.16</b>	<b>\$1,091,838.91</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$2,137,018.07</b>
	<b>\$1,033,429.16</b>	<b>\$1,091,838.91</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$1,175.00</b>	<b>\$2,137,018.07</b>
<b>Effective ELECT Rate (¢/kWh)</b>	<b>7.06</b>	<b>7.77</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>#DIV/0!</b>	<b>7.45</b>



# CITY OF GRAND RAPIDS

## Legislative Master

**File Number: 21-1740**

**File ID:** 21-1740

**Type:** Agenda Item

**Status:** Electric

**Version:** 1

**Reference:**

**In Control:** Public Utilities  
Commission

**File Created:** 03/12/2021

**File Name:**

**Final Action:**

**Title:** Review the March Electric Department Report.

**Notes:**

**Sponsors:**

**Enactment Date:**

**Attachments:** 2021-0317 Electric Report

**Enactment Number:**

**Contact:**

**Hearing Date:**

**Drafter:**

**Effective Date:**

**Related Files:**

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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### Text of Legislative File 21-1740

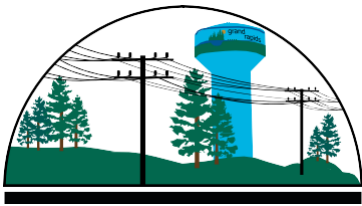
Review the March Electric Department Report.

#### Background Information:

See attached report.

#### Requested Commission Action:

No action needed - for review only.



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## **ELECTRIC DEPARTMENT MONTHLY REPORT March 2021 Commission Meeting**

### **Safety**

There were no OSHA recordable accidents this month.

### **Topic of the Month**

- Texas Winter Storm
  - Timeline for February Texas storm and cold weather
  - Effects of cold weather and storms on ERCOT electrical grid
  - Grid operator response
  - MISO effects and response during cold weather
  - Immediate effects of power costs

### **Demand Threshold and Power Usage for past month**

- The attached graph shows the system load with demand threshold for the past month.

### **Reliability Last Month**

- The attached eReliability report shows that we had 2 outages during the month.

### **Projects Performed Last Month**

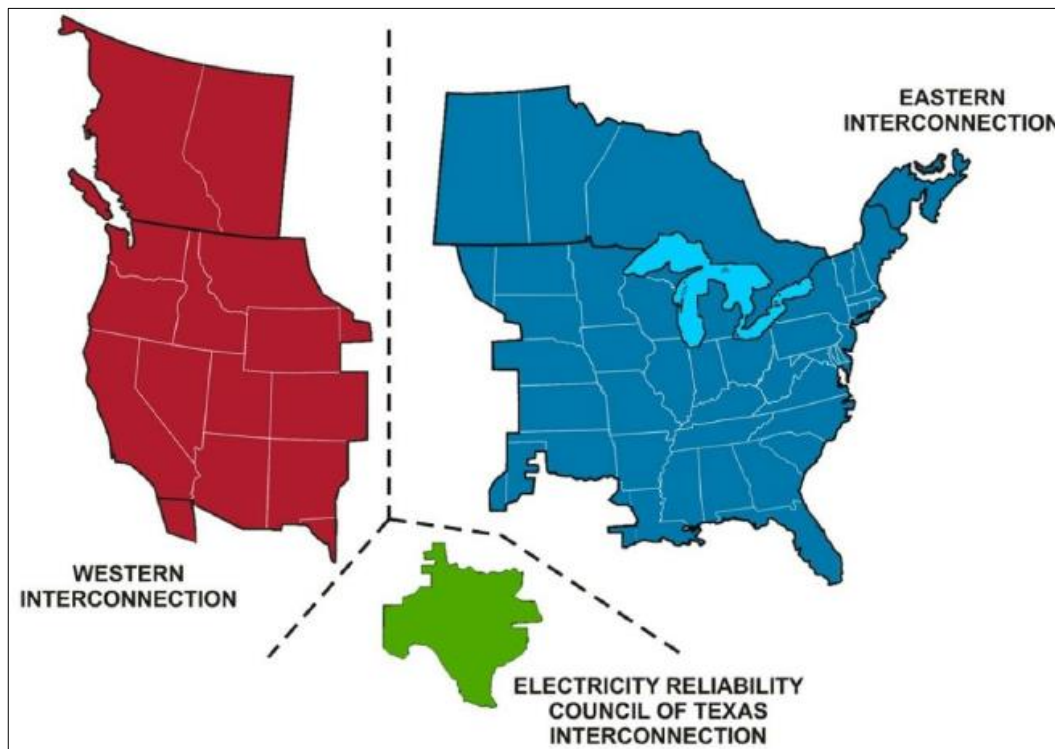
- 2021 project planning
- Solar garden – interconnection and impact study
- Annual Distributed Generation report

### **Projects Scheduled for This Month**

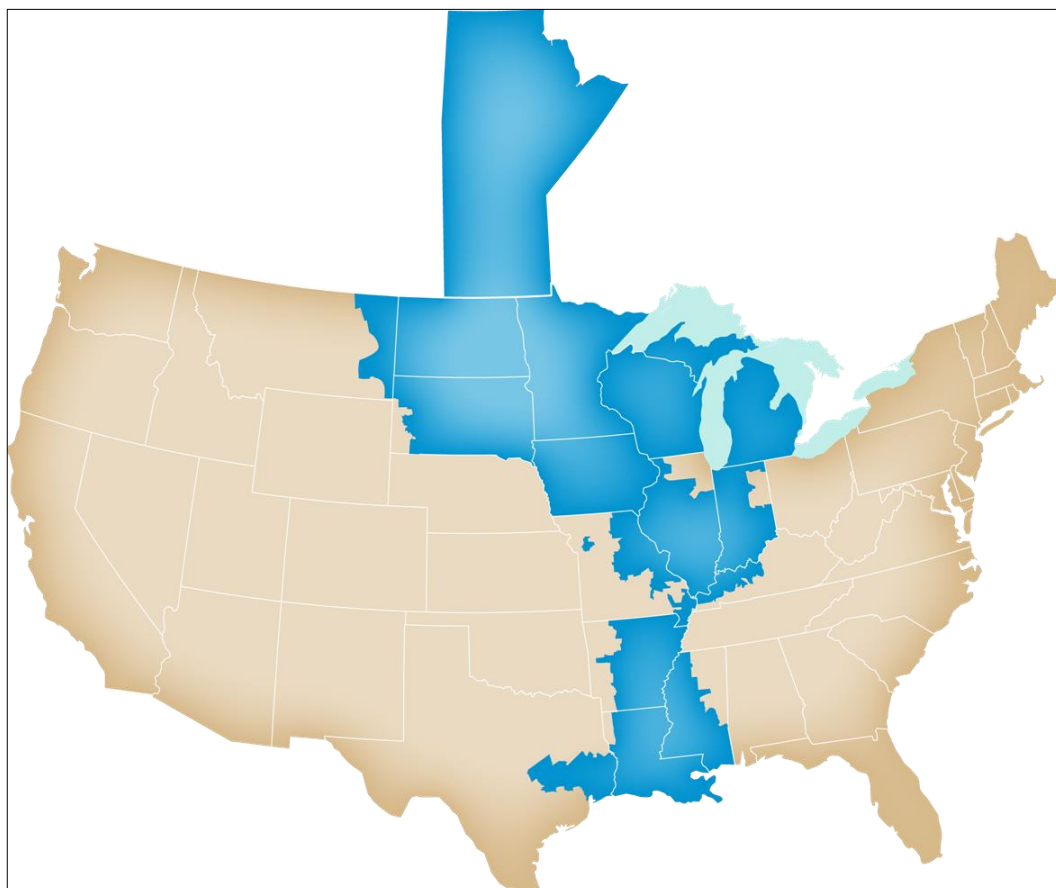
- Automated Meter Reading – Eaton's Yukon software optimization
- Distribution system planned maintenance
- Security light LED changeover



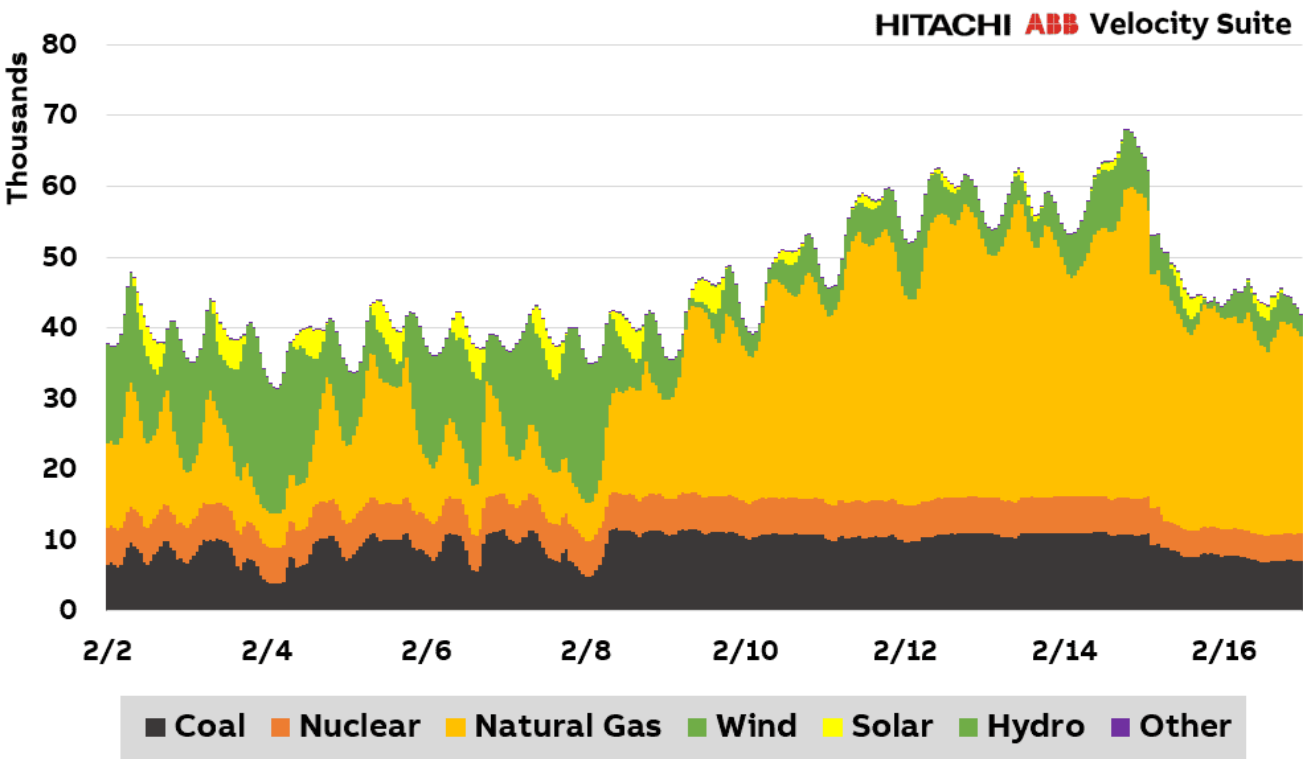
## North American Electrical Interconnections



## Midcontinent Independent System Operator (MISO)



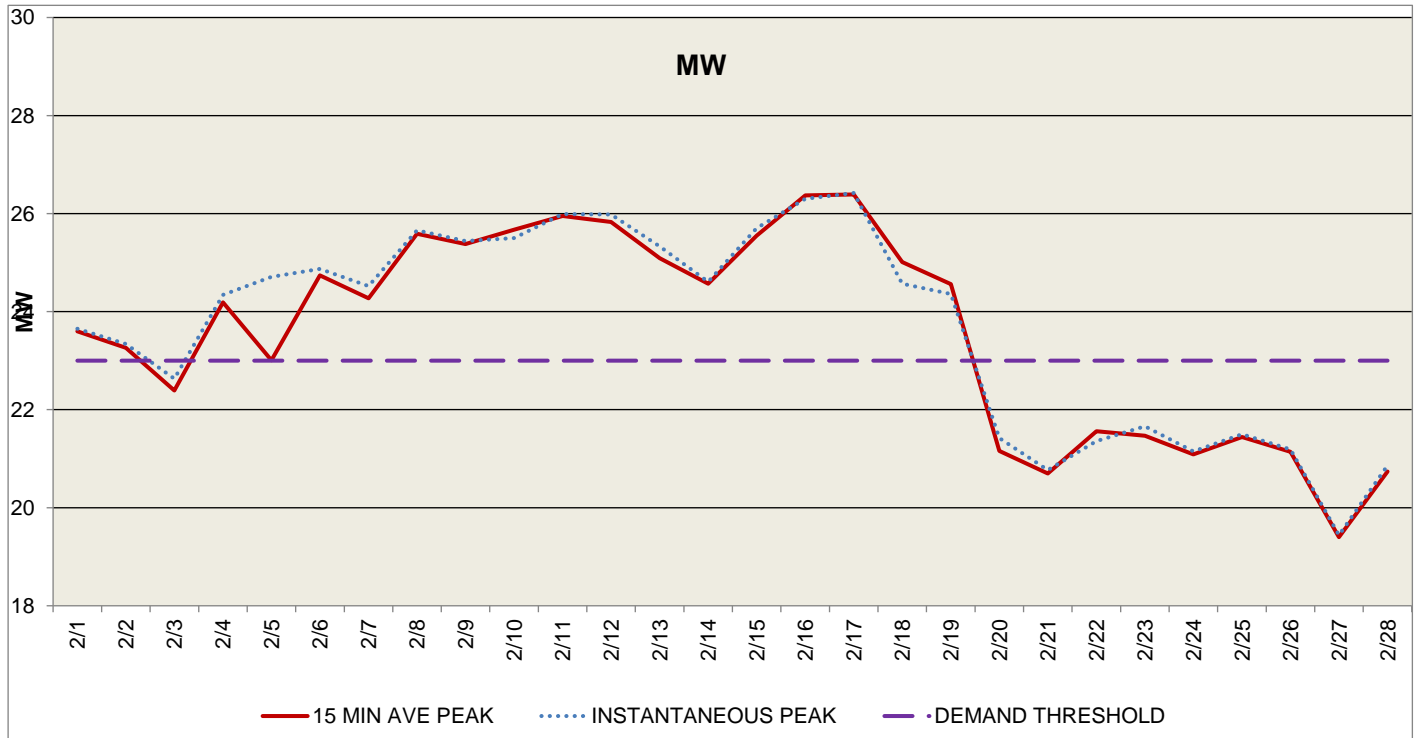
ERCOT Hourly Electrical Production (MWh)





GRAND RAPIDS PUBLIC UTILITIES COMMISSION				
FEBRUARY 2021 LOAD MANAGEMENT SYSTEM REPORT				
Feb-21	INST PK MW	15 MIN AVE PK MW	MW DEMAND THRESHOLD	CONTROLLED DAYS
Minimum	19.44	19.40	23.00	
Maximum	26.42	26.39	23.00	
Average	23.69	23.58	23.00	
Total				4

Savings due to active load management system for month of February 2021 estimated at \$22,920



# GRAND RAPIDS PUBLIC UTILITIES COMMISSION

## DAILY POWER USAGE

Feb-21	INST PK MW	15 MIN AVE PK MW	MW DEMAND THRESHOLD	CONTROLLED DAYS
2/1	23.65	23.60	23.00	0.6
2/2	23.34	23.26	23.00	0.3
2/3	22.63	22.39	23.00	-0.6
2/4	24.34	24.19	23.00	1.2
2/5	24.71	23.01	23.00	0.0
2/6	24.87	24.74	23.00	1.7
2/7	24.52	24.27	23.00	1.3
2/8	25.66	25.59	23.00	2.6
2/9	25.44	25.38	23.00	2.4
2/10	25.50	25.67	23.00	2.7
2/11	25.99	25.95	23.00	3.0
2/12	25.98	25.83	23.00	2.8
2/13	25.33	25.09	23.00	2.1
2/14	24.61	24.57	23.00	1.6
2/15	25.70	25.55	23.00	2.6
2/16	26.30	26.37	23.00	3.4
2/17	26.42	26.39	23.00	3.4
2/18	24.57	25.01	23.00	2.0
2/19	24.36	24.56	23.00	1.6
2/20	21.42	21.16	23.00	-1.8
2/21	20.77	20.70	23.00	-2.3
2/22	21.36	21.56	23.00	-1.4
2/23	21.66	21.47	23.00	-1.5
2/24	21.15	21.09	23.00	-1.9
2/25	21.50	21.44	23.00	-1.6
2/26	21.19	21.14	23.00	-1.9
2/27	19.44	19.40	23.00	-3.6
2/28	20.86	20.74	23.00	-2.3
Minimum	19.44	19.40	23.00	
Maximum	26.42	26.39	23.00	
Average	23.69	23.58	23.00	
Total				4
		Peak Demand Day		Controlled Day

Monthly Report -  
Grand Rapids  
Public Utilities  
Commission

Grand Rapids  
Public Utilities  
Commission

<b>Year</b>	<b>Minimum duration</b>	<b>Substation</b>
<div>2021</div>	<div></div>	<div>-----</div>
<b>Month</b>	<b>Maximum duration</b>	<b>Circuit</b>
<div>02 - February</div>	<div></div>	<div>-----</div>
<b>Annual Report?</b>	<b>Top-level Cause</b>	<b>Remove Major Events?</b>
<div><input type="radio"/> Yes</div> <div><input checked="" type="radio"/> No</div>	<div>-----</div>	<div>-----</div>

## IEEE 1366 Statistics

Metric	Feb 2021	Feb 2020
SAIDI	0.387	3.332
SAIFI	0.00426	0.0475
CAIDI	90.843	70.114
ASAI	99.999%	99.9917%
Momentary Interruptions	0	0
Sustained Interruptions	2	4

## Circuit Ranking - Worst Performing

## Ranked by Outage Count

Circuit	Substation	Number of Outages
Feeder 320	Main Substation	2

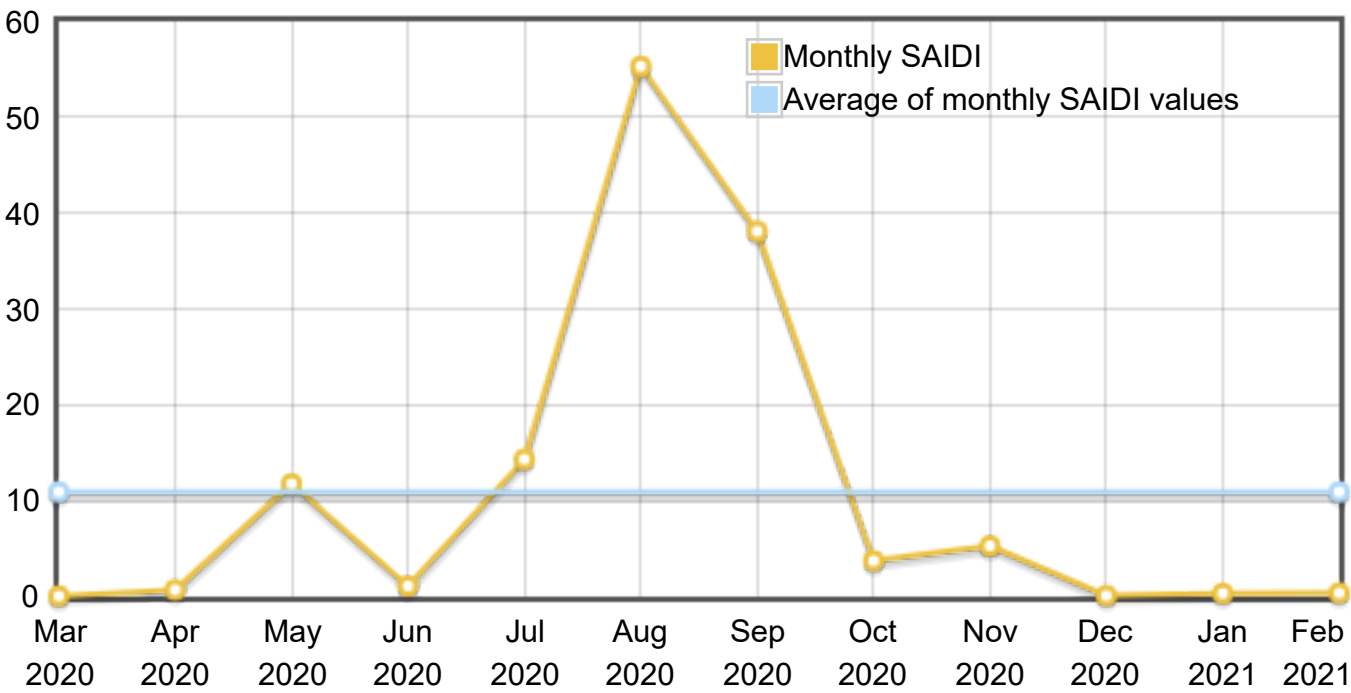
## Ranked by Customer Interruptions

Circuit	Substation	Customer Interruptions
Feeder 320	Main Substation	32

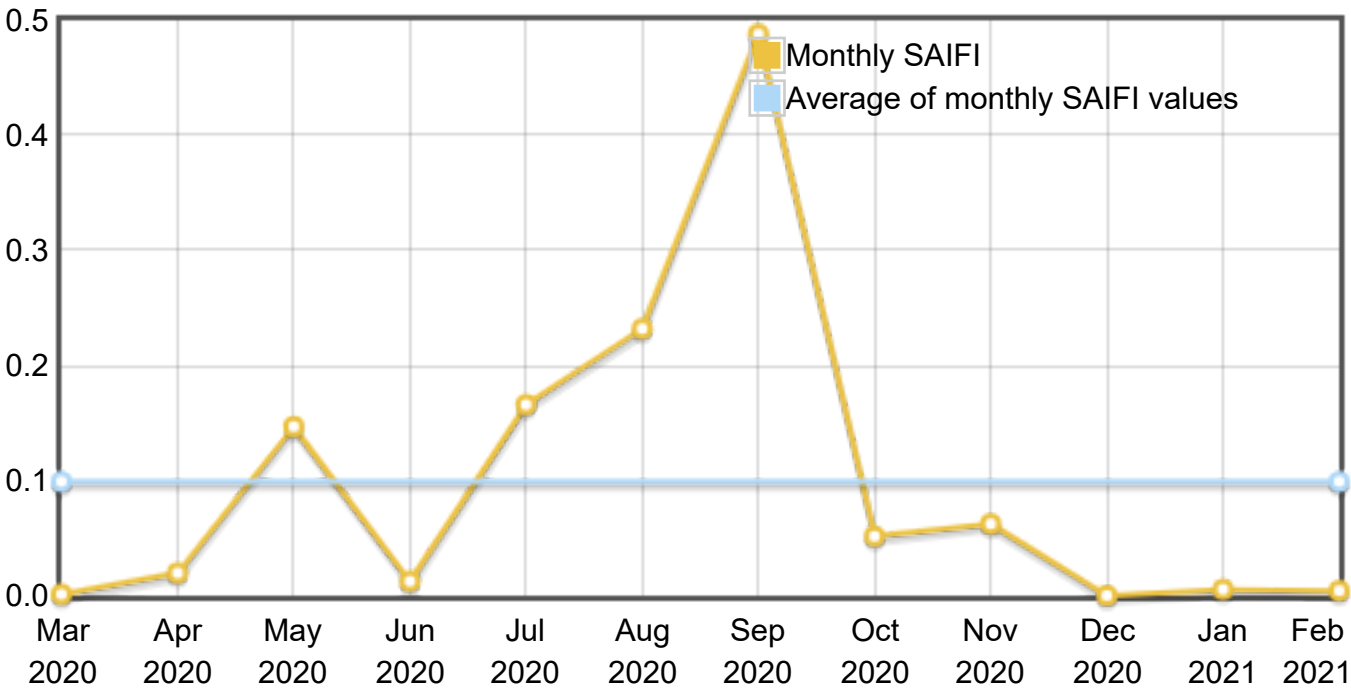
## Ranked by Customer Minutes of Duration

Circuit	Substation	Customer Minutes of Duration
Feeder 320	Main Substation	2,907

Historical Monthly SAIDI Chart



Historical Monthly SAIFI Chart



Causes Ranked by Count



Cause	Count
Unknown	1
Electrical Failure	1

Causes Ranked by Duration



Cause	Duration
Unknown	2,052
Electrical Failure	855

## Top 2 Outages for the Month

Address	Customers Interrupted	Duration	Customer Minutes of Interruption	Cause	Start Date
Sunny Beach Road	27	76	2,052	Unknown	02/27/2021
Sunny Beach Road	5	171	855	Bad underground cable	02/16/2021

Total Customers Affected for the Month:	<b>32</b>
---	-----------

Average Customers Affected per Outage:	<b>16</b>
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# CITY OF GRAND RAPIDS

## Legislative Master

File Number: 21-1733

File ID: 21-1733

Type: Agenda Item

Status: Water and  
Wastewater  
Department

Version: 1

Reference:

In Control: Public Utilities  
Commission

File Created: 03/11/2021

File Name:

Final Action:

Title: Review the March Water-Wastewater Department Report.

Notes:

Sponsors:

Enactment Date:

Attachments: Water & Wastewater March 2021

Enactment Number:

Contact:

Hearing Date:

Drafter: Steve Mattson

Effective Date:

Related Files:

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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### Text of Legislative File 21-1733

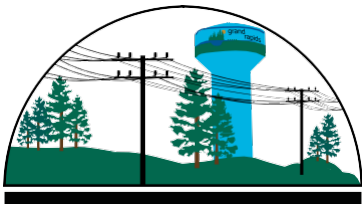
Review the March Water-Wastewater Department Report.

#### Background Information:

See attached report.

#### Requested Commission Action:

No action needed - for review only.



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## WATER & WASTEWATER DEPARTMENT MONTHLY REPORT March 2021 Commission Meeting

### Safety

There were no OSHA recordable accidents last month.

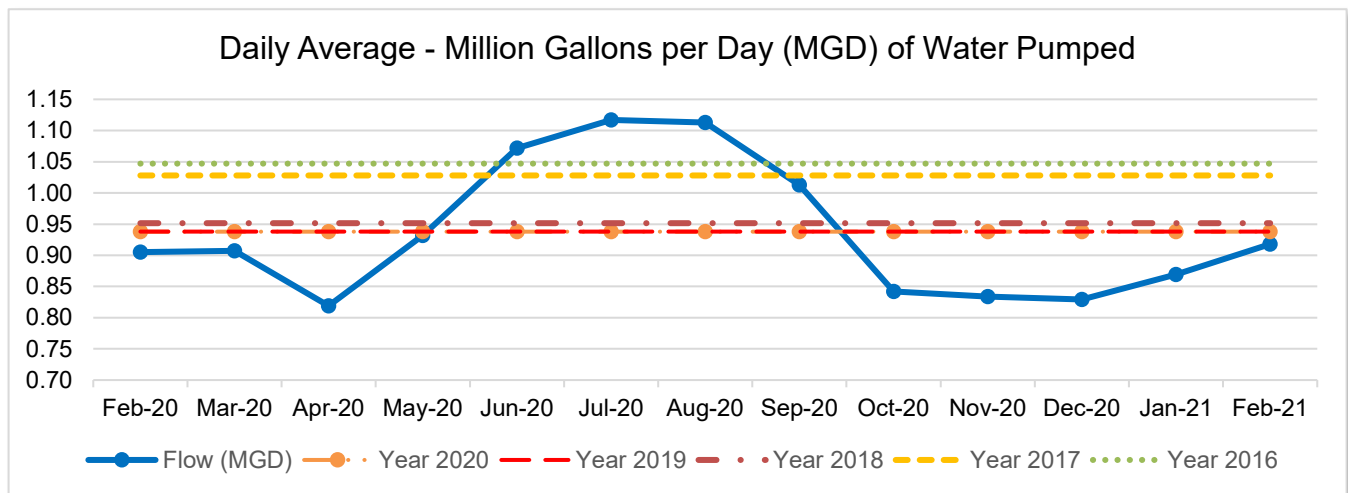
### Topic of the Month

The MPCA verbally explained their ruling on the alleged violations that were presented at the previous commission meeting pertaining to the two releases due to excess rags in the collection system (written ruling to follow).

Enforcement actions may include warnings, field citations, administrative penalty orders (APOs), stipulation agreements (STIPs), and consent decrees.

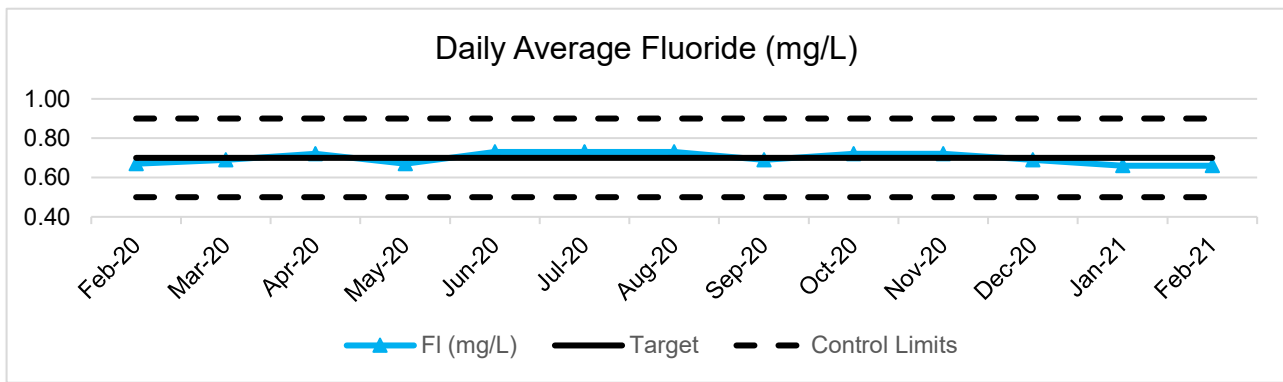
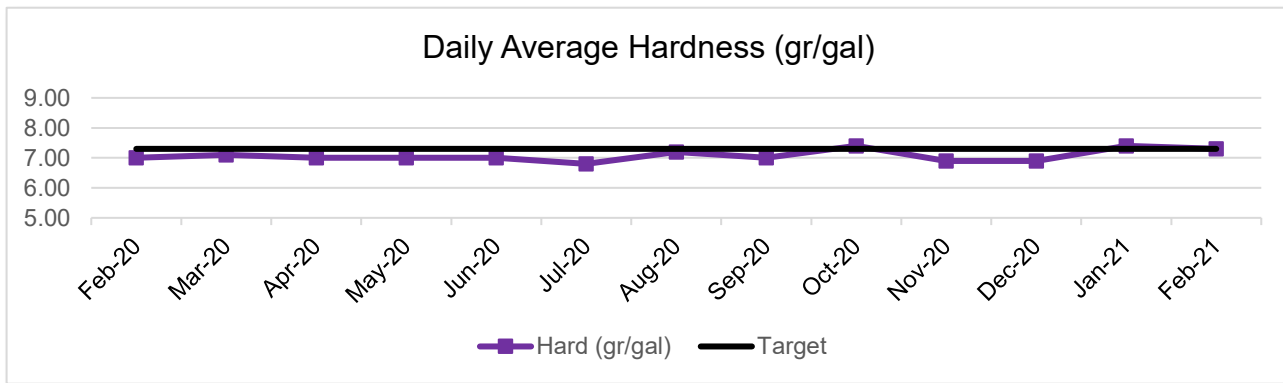
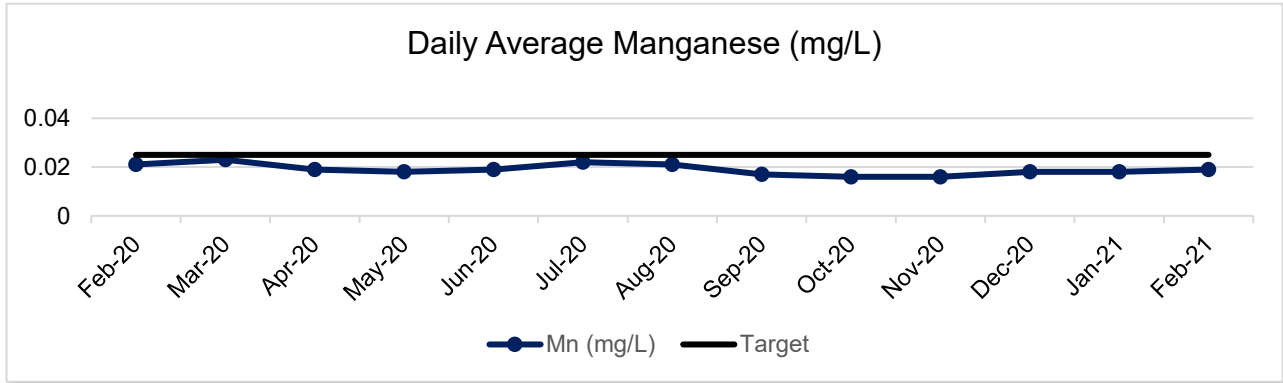
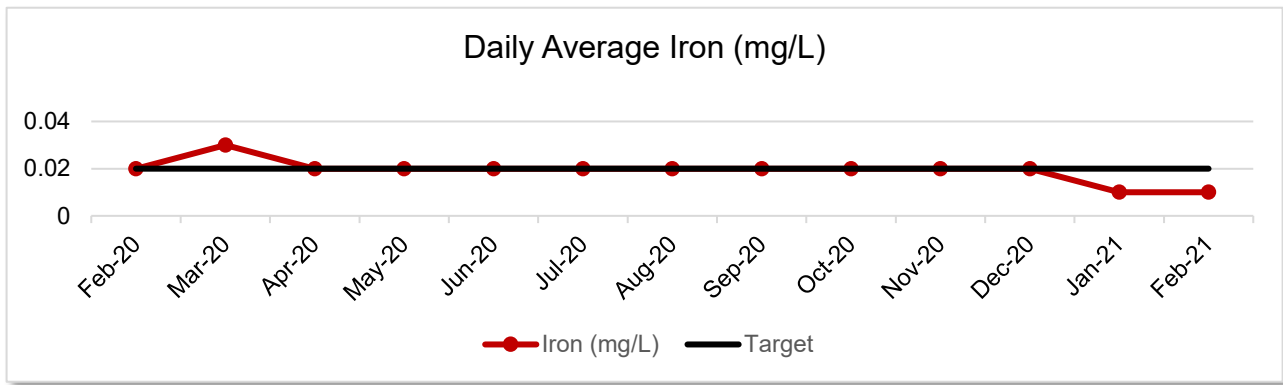
### WTP Operations

The water plant pumped an average of 0.92 million gallons of water per day (MGD) with a peak of 1.13 million gallons during last month.



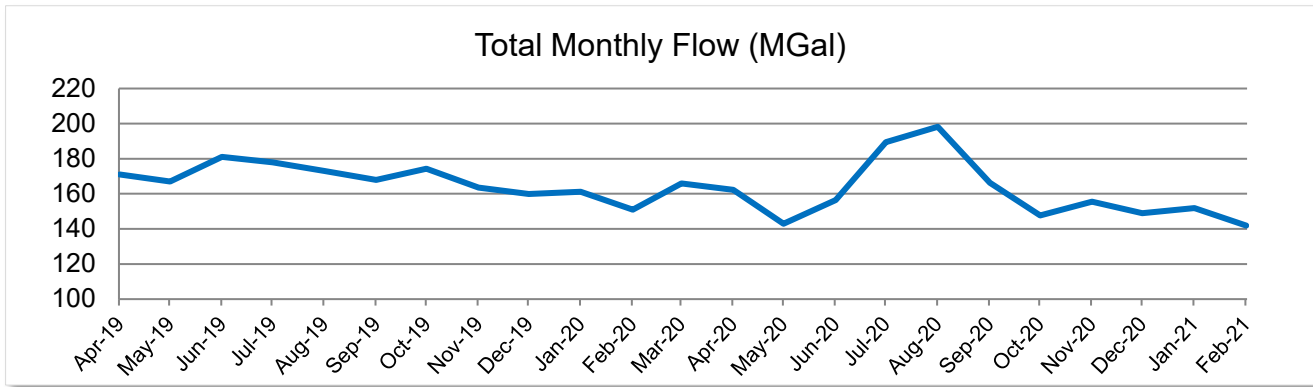
Emergency water main repair on 2/6 in NW 5<sup>th</sup> St and 4<sup>th</sup> Ave.

Mid-Tower overflowed 220,000 gallons on 2/23 due to a valve failing to close.



## **WWTP Operations**

The Wastewater Treatment Plant (WWTP) met all National Pollutant Discharge Elimination System (NPDES) permit requirements last month. We treated 142 million gallons of water removing 99.8% of the Total Suspended Solids (TSS) and 99.1% Biochemical Oxygen Demand (cBOD).

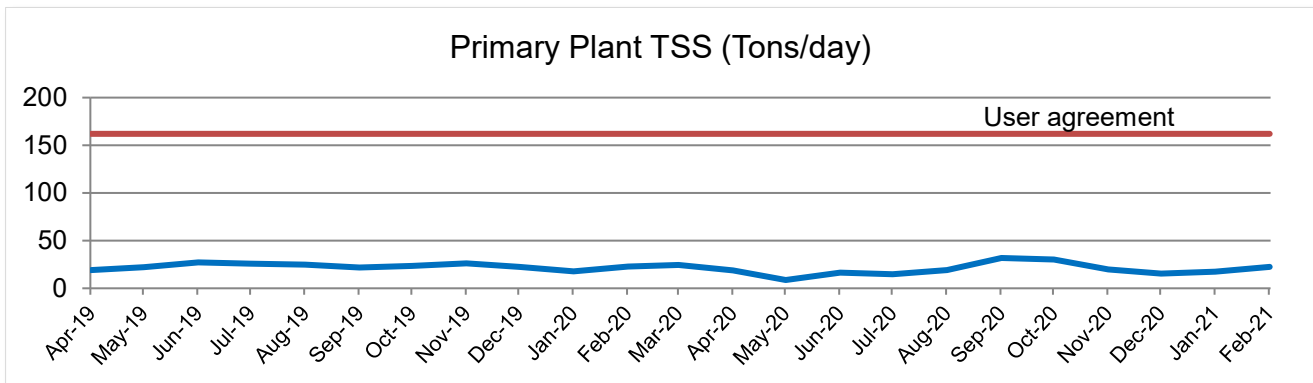


Design Limits  
(monthly AVG)

Actual Results

Primary Plant

Flow (MGD)	13.25	3.9
TSS (Tons/day)	162	22.6
TSS Peak (Tons/Day)	284	55.3

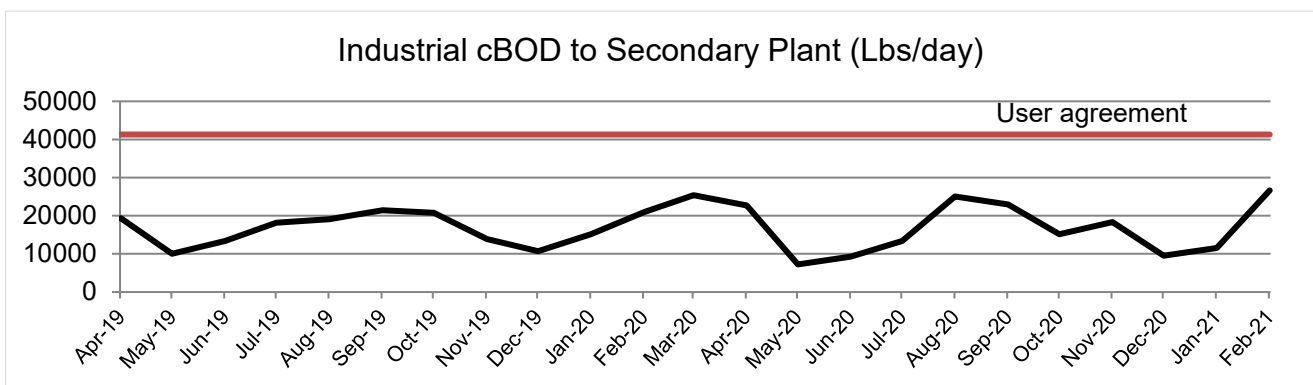


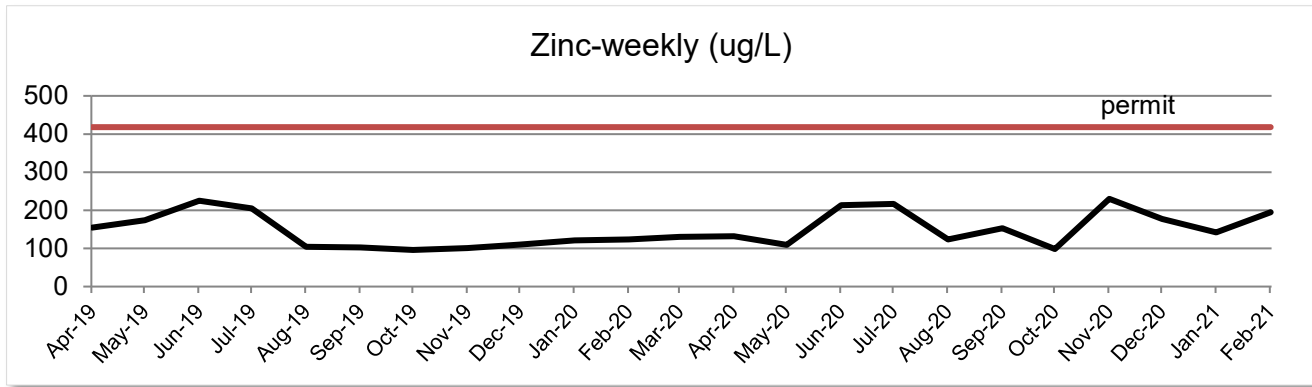
Design Limits  
(monthly AVG)

Actual Results

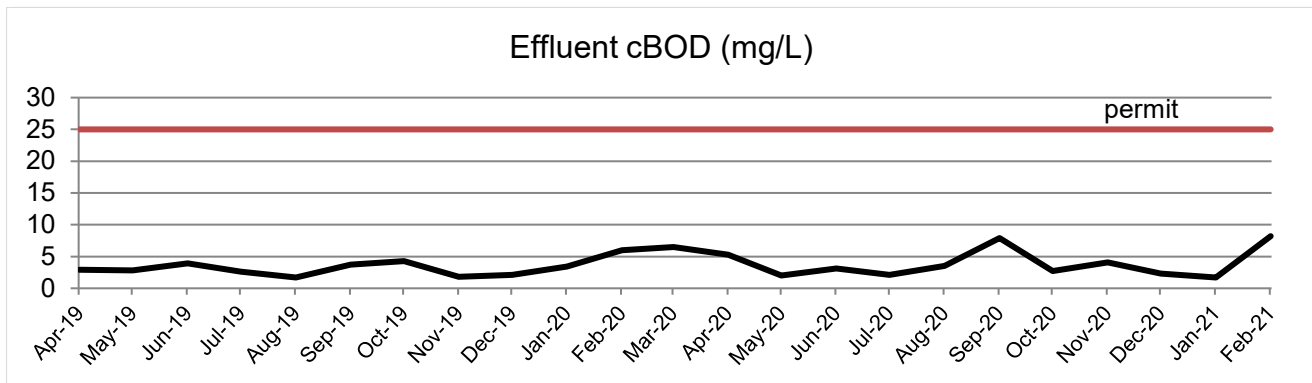
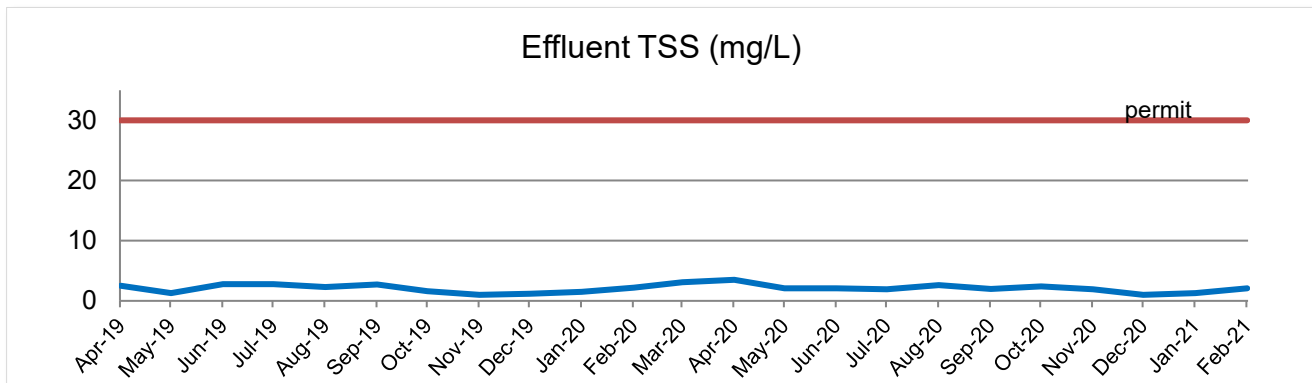
Secondary Plant

Flow (MGD)	15.25	5.1
cBOD (lbs/Day)	41,300	28,613
Peak cBOD (lbs/Day)	57,350	46,777
Zinc-weekly (ug/L)	418	195
% GRPUC		28.9%



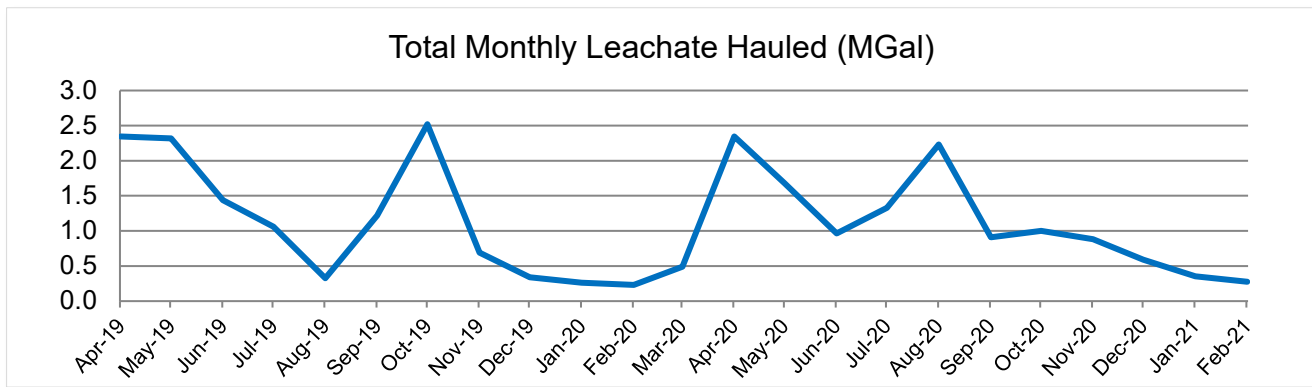


	Permit Limits (monthly AVG)	Actual Results
<b>Effluent</b>		
TSS (mg/L) – monthly average	30	2.1
cBOD (mg/L) – monthly average	25	8.2
Dissolved Oxygen (mg/L)	>1.0	8.3



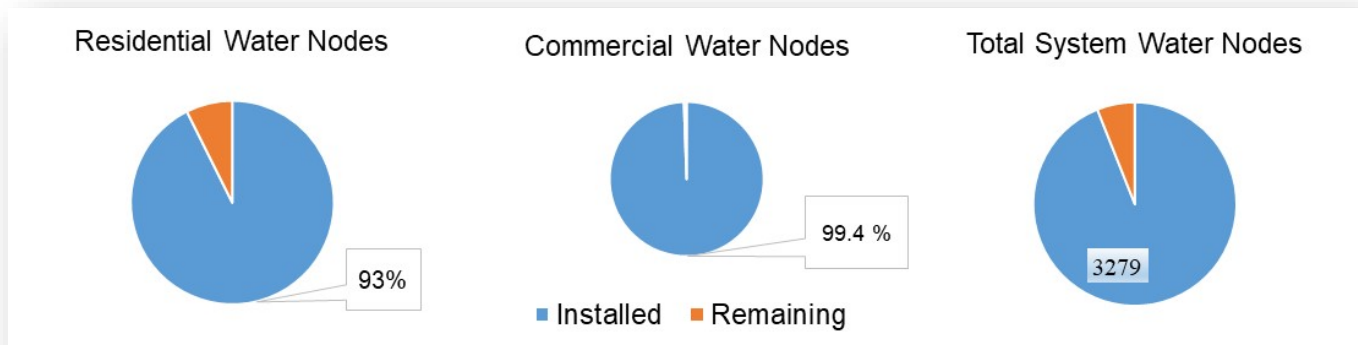
## **Sludge Landfill Operations**

- 0.277 million gallons of leachate were hauled last month
- 3,636 cubic yards of sludge solids were hauled to the landfill



## **AMI Water Install Last Month**

We installed 54 water nodes and/or meters in residential routes. We currently have 3279 (94%) active water nodes installed in the system.



## **Projects Performed Last Month**

- Super-Oxygenation start-up
- Quarterly screw press cleaning
- Well house annual maintenance

## **Projects Scheduled for This Month**

- Replacing media packing in WTP aerator.
- West valve pit project
- Installation of nodes in residential routes.



# CITY OF GRAND RAPIDS

## Legislative Master

**File Number: 21-1741**

**File ID:** 21-1741

**Type:** Agenda Item

**Status:** Safety

**Version:** 1

**Reference:**

**In Control:** Public Utilities  
Commission

**File Created:** 03/12/2021

**File Name:** Safety Report

**Final Action:**

**Title:** Review the March Safety Report.

**Notes:**

**Sponsors:**

**Enactment Date:**

**Attachments:** 2021-0317 Safety Report.pdf

**Enactment Number:**

**Contact:**

**Hearing Date:**

**Drafter:**

**Effective Date:**

**Related Files:**

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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### Text of Legislative File 21-1741

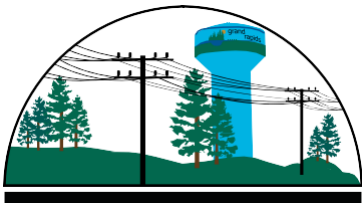
Review the March Safety Report.

#### Background Information:

See attached report.

#### Requested Commission Action:

No action needed - for review only.



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## **SAFETY REPORT**

### **March 2021 Commission Meeting**

#### **Safety Topic Last Month**

Employee Right to Know, Hazard Communication, and Global Harmonizing System Training for all staff was conducted virtually in late February/early March.

#### **Safety Topic This Month**

Testing of electric equipment; hot sticks and grounding equipment, will be conducted by Dave Lundberg of MMUA on March 18. Back Injury Prevention Training for all staff will be conducted virtually on March 23 & 30.

#### **Accidents Reported this Month by Department**

Administration: None                      Electric: None  
Business Services: None                  Water-Wastewater: None

#### **Cumulative Accidents for 2021**

Recordable Accidents	0
Lost Time Days 2021	0
Restricted Days 2021	0
First Aid Only (not recordable)	0

Total FROI      0

#### **Recordable Accident 5-year History**

	2017	2018	2019	2020	2021
ADMIN	0	0	0	0	0
BUS SVCS	1	1	4	0	0
ELEC	3	1	1	0	0
W-WW	4	3	5	3	0
TOTAL	8	5	10	3	0





# CITY OF GRAND RAPIDS

## Legislative Master

**File Number: 21-1738**

**File ID:** 21-1738

**Type:** Agenda Item

**Status:** Verified Claims

**Version:** 1

**Reference:**

**In Control:** Public Utilities  
Commission

**File Created:** 03/11/2021

**File Name:** Verified Claims 2021 Feb

**Final Action:**

**Title:** Consider a motion to approve the verified claims for February in the amount of \$1,892,951.20.  
Computer Check Register \$1,346,228.05  
Manual Check Register \$546,723.15

**Notes:**

**Sponsors:**

**Enactment Date:**

**Attachments:** AP List 2021.02.28 #1, Check Register Manual  
2021.02.28

**Enactment Number:**

**Contact:**

**Hearing Date:**

**Drafter:** Tyanne Betts

**Effective Date:**

**Related Files:**

### History of Legislative File

Ver- sion:	Acting Body:	Date:	Action:	Sent To:	Due Date:	Return Date:	Result:
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### Text of Legislative File 21-1738

Consider a motion to approve the verified claims for February in the amount of \$1,892,951.20.  
Computer Check Register \$1,346,228.05  
Manual Check Register \$546,723.15

#### Background Information:

See attached check registers.

#### Requested Commission Action:

Consider a motion to approve the verified claims for February in the amount of \$1,892,951.20.

Computer Check Register \$1,346,228.05

Manual Check Register \$546,723.15

**Public Utilities Commission**  
**Accounts Payable**  
**February 2021**  
**(Meeting Date: 3/17/21)**

NAME	AMOUNT	NAME	AMOUNT
Acheson Tire	140.00	Personnel Dynamics LLC	1,471.93
Advantage Systems Group	3,202.35	Pitney Bowes	2,274.96
Aramark	158.34	Polydyne Inc	53,301.63
Burggfrafs Ace Hardware	337.37	Public Utilities Commission	9,755.78
The Busy Bees QCS	1,991.64	James Radtke	5,163.12
CarQuest	52.14	Railroad Management Company	284.85
Central McGowan	4,702.39	Rapid Pest Control	101.75
City of Grand Rapids	4,500.28	RMB Environmental Lab	586.00
Cogsdale	1,500.00	Sammy's Pizze	3,092.28
Coles	547.51	Sandstroms	1,353.31
Cooperative Response Center	1,847.35	Scooter's Septic Service	250.00
CW Technology	5,721.60	Sherwin-Williams	16.17
Dakota Supply Group	688.89	Solenis	19,753.80
Davis Petroleum	1,236.47	Stuart Irby	3,362.05
Eco Oxygen Technologies	35,600.00	Team Marinucci	44.00
ERA	581.20	Telcologix	139.00
Fastenal	11,695.43	TNT Aggregates LLC	13,186.44
Ferguson	2,083.44	United Rentals	1,103.21
Figgins Truck & Trailer Repair	777.52	UpKeep	2,879.69
Frontier Energy	6,748.92	US Bank Equipment	315.73
Gopher State One Call	8.10	Utility Logic	315.27
Grainger	2,121.98	Vega	347.16
Great Clips	431.66	Viking Electric	5,353.25
Great Northern Equipment	161.82	Waste Management	671.31
Hach	941.39	Wells Fargo Business - Goodell	116.54
Hawkins	12,720.21	Wells Fargo Business - Mattson	205.26
Itasca County Treasurer	1,192.94	Wesco	1,880.55
KOZY	1,122.00	Xerox	132.14
L & M Supply	5,454.14		
Lano, Nelson & Bengtson	270.00		
Latvala Lumber Co	1,962.28	Appliance Rebates	
Steve Mattson	48.16	Lori Chrape	150.00
McMaster-Carr	978.39	Mackenzie Jore	80.00
Metro Sales	1,006.70	Gary & Karen Partlow	80.00
Minnesota Municipal Utilities Association	180.50	Mark & Michelle Heikkila	130.00
Minnesota Power	1,098,333.76	Jeffrey Bishop	80.00
Nalco Water	136.25	Phil LaFrenier	50.00
Nextera	625.56		
Norland Enviromental Service	319.92		
North Central Laboratories	495.34		
Northern Business Products	381.89		
NOS Automation LLC	1,086.84		
Otis Elevator Company	2,037.00		
Pace Analytical	2,071.20		
		TOTAL	1,346,228.05

## February 2021 MANUAL CHECK REGISTER

<u>Date</u>	<u>Check #</u>	<u>Vendor Name</u>	<u>Amount</u>
2/1/2021	4327	Northeast Service Cooperative	3,956.00
2/1/2021	4328	Further	1,951.26
2/3/2021	4329	Further	2,200.00
2/12/2021	4330	Further	1,951.26
2/12/2021	4331	Public Employees Retirement Association	14,426.53
2/12/2021	4332	Minnesota Dept. of Revenue	4,106.18
2/12/2021	4333	Wells Fargo Bank	24,303.88
2/12/2021	4334	Empower Retirement	8,592.29
2/12/2021	4335	Wells Fargo Corporate Trust	16,385.51
2/19/2021	4336	Minnesota Department of Revenue	62,039.00
2/17/2021	4337	Further	25.25
2/22/2021	4338	Northeast Service Cooperative	50,665.50
2/26/2021	4339	Public Employees Retirement Association	15,168.98
2/26/2021	4340	Minnesota Dept. of Revenue	4,406.02
2/26/2021	4341	Wells Fargo Bank	25,900.66
2/26/2021	4342	Empower Retirement	8,969.44
2/9/2021	4343	Invoice Cloud	2,333.30
2/1/2021	4344	Wells Fargo Corporate Trust	118,218.75
2/5/2021	77692	Customer Refunds- Derrick & Ginna Faber	108.10
2/5/2021	77693	Customer Refunds- Krystyna Speer	103.33
2/5/2021	77694	Customer Refunds- Betty & Eugene Stone	24.73
2/5/2021	77695	Customer Refunds- Lakeview Behavioral Hea	49.08
2/5/2021	77696	Customer Refunds- Richard Hogan	44.47
2/5/2021	77697	Minnesota Department of Natural Resource	3,868.37
2/5/2021	77698	First Net / AT & T Mobility	362.72
2/5/2021	77699	Verizon Wireless	1,905.82
2/12/2021	77700	NCPERS Group Life Ins	128.00
2/12/2021	77701	Postage By Phone System	3,000.00
2/16/2021	77702	United Parcel Service	77.37
2/16/2021	77703	Minnesota Energy Resources Corp.	532.59
2/16/2021	77704	UNUM Life Insurance Co of America	2,534.66
2/16/2021	77705	Minnesota Dept. of Health	7,997.00
2/22/2021	77777	Minnesota Pollution Control Agency	15.00
2/22/2021	77778	City of LaPrairie	13,279.37
2/26/2021	77780	City of Grand Rapids	72,333.33
2/26/2021	77781	City of Grand Rapids	253.50
2/26/2021	77783	Minnesota Dept. of Public Safety	125.00
2/26/2021	77784	United Parcel Service	14.72
2/26/2021	77785	First Net / AT & T Mobility	287.70

2/26/2021 77786	Verizon Wireless	1,414.72
2/26/2021 77787	City of Grand Rapids	70,912.76
2/26/2021 77788	Minnesota Council 65	1,731.00
2/26/2021 77789	AFSCME PEOPLE	20.00

Checks Previously Approved	<u>0.00</u>
Manual Checks to be approved	<u>546,723.15</u>
<b>Total Manual Checks</b>	<b>546,723.15</b>