

**CITY OF FAIRMONT  
PUBLIC UTILITIES COMMISSION  
AGENDA**

**Tuesday, May 21, 2024**

- 1 Call to Order
  - 7:30 AM City Hall Conference Room ( Second Floor )
  
- 2 Roll Call
  - Chair Werre \_\_\_\_\_
  - Commissioner Struss \_\_\_\_\_
  - Commissioner Christ \_\_\_\_\_
  - Commissioner Sharp \_\_\_\_\_
  - Commissioner Zoch \_\_\_\_\_
  
- 3 Public Discussion/Comments (Individual comments are limited to 3 minutes)
  
- 4 Approval of Minutes ( 1 - 2 )
  - Regular Meeting, May 7, 2024
  
- 5 Financials & Productions Stats for April 2024 ( 3 - 11 )
  
- 6 Approval of Disbursements for April 2024 ( 12 - 29 )
  
- 7 Old Business
  
- 8 New Business ( 30 - 38 )
  - 8.1 - Approve DER2024-0001 Interconnection Application
  
- 9 Staff Updates
  - 9.1 - Water/Wastewater Departments
  - 9.2 - Line Departments
  
- 10 Date and Time of Next Meetings:
  - Work Session - Tuesday, June 4, 2024
  - Regular Meeting - Tuesday, June 18, 2024
  
- 11 Adjournment



Fairmont Public Utilities Commission  
May 21, 2024

Agenda Item: 4

**From:** Julie Zarling, Assistant Finance Director  
**To:** Public Utilities Commission

**Subject:** PUC Minutes from Regular meeting on May 7, 2024

**Policy/Action Requested:**

**Vote Required:**  Simple Majority  Roll Call

**Recommendation:** Approval

**Overview:**

**Budget Impact:** N/A

**Attachments:** PUC Minutes Regular Meeting, May 7, 2024

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PUC Action: \_\_\_\_\_ Date: \_\_\_\_\_

**PUBLIC UTILITIES COMMISSION**  
**REGULAR MEETING**

Tuesday, May 7, 2024  
7:30 AM  
City Hall Conference Room  
Meeting held in person

**IN ATTENDANCE:** Commissioners Werre, Sharp, Christ, Zoch and Struss

**ALSO IN ATTENDANCE:** Public Works/Utilities Director York, Electric Superintendent Heide,  
Assistant Finance Director Zarling, Councilman Hasek

**ABSENT:**

Chair Werre called the meeting to order at 7:30 AM.

Chair Werre called for Public Discussion and Comments. No individuals were present for public comment at the meeting.

A motion was made by Mr. Christ, seconded by Mr. Struss, and carried to approve the March 19, 2024, regular meeting minutes.

Assistant Finance Director Zarling presented the financial and capital expense report and production stats for March 2024. Discussion with no action taken.

Assistant Finance Director Zarling presented the disbursements for March 2024. Discussion was held. A motion was made by Mr. Christ, seconded by Mr. Sharp, and carried to approve the March 2024 disbursements.

In new business, Electric Superintendent Heide asked for approval of purchase order 15079 for the electric department. This equipment is part of the 2024 CIP budget-Replace High Voltage Switches. It is slated for the downtown feeder to replace an aging switch, improve feeder resiliency, circuit isolation and service interruptions. A motion was made by Mr. Christ, seconded by Mr. Werre, and carried to approve the purchase of the PO thru Wesco.

There was no other business; it was moved by Mr. Struss, seconded by Mr. Christ, and approved to adjourn the meeting at 8:20 AM.

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Perry Struss, Secretary



Fairmont Public Utilities Commission  
May 21, 2024

Agenda Item: 5

**From:** Julie Zarling, Assistant Finance Director  
**To:** Public Utilities Commission

**Subject:** Financial Report & Production Stats: April 2024

**Policy/Action Requested:**

**Vote Required:** \_\_\_\_ Simple Majority      \_\_\_\_ Roll Call

**Recommendation:** Informational

**Overview:**

Financial Reports, Stats, and the Capital Expenditure Summary for April 2024 are included for review.

**Budget Impact:** N/A

**Attachments:** April Financial Report, Capital Expenditures Summary, & Production Statistics

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PUC Action: \_\_\_\_\_ Date: \_\_\_\_\_

# FAIRMONT PUBLIC UTILITIES COMMISSION

## INCOME STATEMENT SUMMARY: 2024 & 2023

WATER DEPARTMENT	2024				2023			
	APR	YTD	BUDGET	% BUDGET	APR	YTD	BUDGET	% BUDGET
WATER DEPT REVENUE	\$530,057.75	\$2,155,756.01	\$5,978,199.00	36.06%	\$505,844.35	\$1,900,271.23	\$5,609,556.00	33.88%
FILTRATION PLANT EXPENSE	\$111,645.36	\$453,093.67	\$1,757,948.00	25.77%	\$129,929.09	\$469,905.05	\$1,986,653.00	23.65%
DISTRIBUTION EXPENSE	\$43,827.82	\$218,628.07	\$865,675.00	25.26%	\$45,889.82	\$216,125.80	\$802,707.00	26.92%
ADMINISTRATION EXPENSE	\$12,347.09	\$66,220.34	\$219,368.00	30.19%	\$13,940.15	\$67,194.18	\$211,875.00	31.71%
MISCELLANEOUS EXPENSE	\$89,208.21	\$582,622.47	\$1,539,620.00	37.84%	\$89,248.46	\$591,128.76	\$1,477,042.00	40.02%
TRANSFER OUT TO OTHER FUNDS	\$15,784.72	\$63,138.88	\$189,417.00	33.33%	\$14,277.50	\$57,110.00	\$171,330.00	33.33%
TOTAL WATER DEPT EXPENSE	\$272,813.20	\$1,383,703.43	\$4,572,028.00	30.26%	\$293,285.02	\$1,401,463.79	\$4,649,607.00	30.14%
WATER DEPT NET INCOME (LOSS)	\$257,244.55	\$772,052.58	\$1,406,171.00	54.90%	\$212,559.33	\$498,807.44	\$959,949.00	51.96%

WASTEWATER DEPARTMENT	2024				2023			
	APR	YTD	BUDGET	% BUDGET	APR	YTD	BUDGET	% BUDGET
WASTEWATER DEPT REVENUE	\$290,730.93	\$1,154,965.40	\$4,919,780.00	23.48%	\$285,148.35	\$1,308,168.38	\$3,434,521.00	38.09%
TREATMENT PLANT EXPENSE	\$93,588.86	\$398,699.86	\$1,279,511.00	31.16%	\$75,780.19	\$376,395.81	\$1,194,880.00	31.50%
COLLECTION EXPENSE	\$26,637.96	\$106,376.99	\$514,223.00	20.69%	\$29,470.33	\$115,936.78	\$476,573.00	24.33%
ADMINISTRATION EXPENSE	\$7,577.95	\$40,893.96	\$141,611.00	28.88%	\$8,329.77	\$42,200.99	\$136,187.00	30.99%
MISCELLANEOUS EXPENSE	\$63,962.22	\$263,440.84	\$766,728.00	34.36%	\$61,320.19	\$259,405.95	\$690,482.00	37.57%
TRANSFER OUT TO OTHER FUNDS	\$9,633.51	\$38,534.04	\$115,602.00	33.33%	\$8,691.01	\$34,764.04	\$104,292.00	33.33%
TOTAL WASTEWATER DEPT EXPENSE	\$201,400.50	\$847,945.69	\$2,817,675.00	30.09%	\$183,591.49	\$828,703.57	\$2,602,414.00	31.84%
WASTEWATER DEPT NET INCOME (LOSS)	\$89,330.43	\$307,019.71	\$2,102,105.00	14.61%	\$101,556.86	\$479,464.81	\$832,107.00	57.62%

ELECTRIC DEPARTMENT	2024				2023			
	APR	YTD	BUDGET	% BUDGET	APR	YTD	BUDGET	% BUDGET
ELECTRIC DEPT REVENUE	\$1,367,865.20	\$5,432,302.67	\$17,920,234.00	30.31%	\$1,289,772.44	\$5,133,043.45	\$17,082,910.00	30.05%
PURCHASED POWER EXPENSE	\$1,005,623.55	\$4,023,764.84	\$13,165,500.00	30.56%	\$980,579.32	\$4,047,609.02	\$12,869,582.00	31.45%
DISTRIBUTION EXPENSE	\$134,156.22	\$489,489.12	\$1,784,683.00	27.43%	\$110,265.30	\$520,245.15	\$1,752,138.00	29.69%
ADMINISTRATION EXPENSE	\$50,914.82	\$218,317.36	\$735,510.00	29.68%	\$53,861.14	\$224,972.76	\$719,070.00	31.29%
MISCELLANEOUS EXPENSE	\$42,177.29	\$200,670.39	\$699,236.00	28.70%	\$43,265.14	\$192,441.74	\$687,039.00	28.01%
TRANSFER OUT TO OTHER FUNDS	\$52,915.10	\$211,660.40	\$634,981.00	33.33%	\$55,364.82	\$221,459.29	\$664,378.00	33.33%
TOTAL ELECTRIC DEPT EXPENSE	\$1,285,786.98	\$5,143,902.11	\$17,019,910.00	30.22%	\$1,243,335.72	\$5,206,727.96	\$16,692,207.00	31.19%
ELECTRIC DEPT NET INCOME (LOSS)	\$82,078.22	\$288,400.56	\$900,324.00	32.03%	\$46,436.72	(\$73,684.51)	\$390,703.00	-18.86%

**FAIRMONT PUBLIC UTILITIES COMMISSION  
CAPITAL EXPENDITURE SUMMARY**

Acct #	ELECTRIC DISTRIBUTION	2021 Budget			2022 Budget			2023 Budget			2024 Budget			Total Projects		
		Bud Amt	YTD Exp	Budget Bal	Bud Amt	YTD Exp	Budget Bal	Bud Amt	YTD Exp	Budget Bal	Bud Amt	YTD Exp	Budget Bal	Bud Amt	YTD Exp	Budget Bal
604-00000-16500	AMI - 2023	\$1,100,000	\$1,375,009	(\$275,009)	\$300,000	\$682,313	(\$382,313)	\$0	\$42,936	(\$42,936)	\$0	\$313	(\$313)	\$1,400,000	\$2,100,571	(\$700,571)
604-00000-16300	New Transformers	\$0	\$85,000	\$85,000	\$68,871	\$16,129	\$125,000	\$97,823	\$27,177	\$210,000	\$8,070	\$201,930	\$420,000	\$174,764	\$245,236	
604-00000-16300	Underground Conductors	\$0	\$0	\$0	\$0	\$0	\$130,000	\$18,107	\$111,893	\$130,000	\$18,107	\$111,893	\$130,000	\$18,107	\$111,893	
604-00000-16300	Replace High Voltage Switches	\$0	\$0	\$0	\$120,000	\$15,350	\$104,650	\$280,000	\$280,000	\$400,000	\$15,350	\$384,650	\$280,000	\$15,350	\$384,650	
604-00000-16300	Downtown Lighting/Bollard/sign Replac	\$0	\$0	\$0	\$0	\$0	\$230,000	\$230,000	\$230,000	\$230,000	\$0	\$230,000	\$230,000	\$0	\$230,000	
604-00000-16300	Workorder Software/Outage Mangement	\$0	\$0	\$0	\$0	\$0	\$80,000	\$7,381	\$72,619	\$80,000	\$7,381	\$72,619	\$80,000	\$7,381	\$72,619	
604-00000-16500	10th Street SUB Modifications/Breakers*	\$0	\$0	\$0	\$975,000	\$112,188	\$862,812	\$100,000	\$20,561	\$79,439	\$1,075,000	\$132,749	\$942,251	\$132,749	\$942,251	
604-00000-16500	FES Substation Transformer Replace.	\$0	\$0	\$0	\$352,500	\$19,375	\$333,125	\$600,000	\$20,930	\$579,070	\$952,500	\$40,305	\$912,195	\$40,305	\$912,195	
604-00000-16500	West Industrial Park Substation	\$0	\$0	\$0	\$632,850	\$18,628	\$614,223	\$100,000	\$100,000	\$732,850	\$18,628	\$714,223	\$100,000	\$18,628	\$714,223	
604-00000-16420	GIS Software	\$0	\$0	\$0	\$0	\$0	\$30,000	\$30,000	\$30,000	\$30,000	\$0	\$30,000	\$30,000	\$0	\$30,000	
604-00000-16400	Replace Boring Machine	\$0	\$0	\$0	\$0	\$0	\$260,000	\$218,641	\$41,359	\$260,000	\$218,641	\$41,359	\$260,000	\$218,641	\$41,359	
604-0000016440	Flat Bed/Dump Box Truck #228	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$10,000	\$10,000	\$0	\$10,000	
604-00000-16200	Repair Damaged Buildings	\$0	\$0	\$0	\$0	\$0	\$43,000	\$43,000	\$43,000	\$43,000	\$0	\$43,000	\$43,000	\$0	\$43,000	
604-00000-16500	Street Improvement Projects	\$0	\$0	\$0	\$0	\$0	\$20,000	\$20,000	\$20,000	\$20,000	\$0	\$20,000	\$20,000	\$0	\$20,000	
604-00000-16400	Skid Loader Attach/Trencher/Snow Pusher	\$0	\$0	\$0	\$0	\$0	\$50,000	\$11,627	\$38,374	\$50,000	\$11,627	\$38,374	\$50,000	\$11,627	\$38,374	
604-00000-16420	GIS/RAM/I-PADS (for locating, mapping)	\$0	\$0	\$0	\$0	\$0	\$10,000	\$10,000	\$10,000	\$10,000	\$0	\$10,000	\$10,000	\$0	\$10,000	
	Contingency	\$0	\$0	\$0	\$0	\$0	\$20,000	\$20,000	\$20,000	\$20,000	\$0	\$20,000	\$20,000	\$0	\$20,000	
	<b>TOTAL CAPITAL EXPENDITURES</b>	<b>\$1,100,000</b>	<b>\$1,375,009</b>	<b>(\$275,009)</b>	<b>\$385,000</b>	<b>\$751,183</b>	<b>(\$366,183)</b>	<b>\$2,205,350</b>	<b>\$306,300</b>	<b>\$1,899,050</b>	<b>\$2,173,000</b>	<b>\$305,630</b>	<b>\$1,867,370</b>	<b>\$5,863,350</b>	<b>\$2,738,122</b>	<b>\$3,125,228</b>

\* Total of 10th St. Sub Design, Relay, and breaker lines from 2023 budget

**FAIRMONT PUBLIC UTILITIES COMMISSION  
CAPITAL EXPENDITURE SUMMARY**

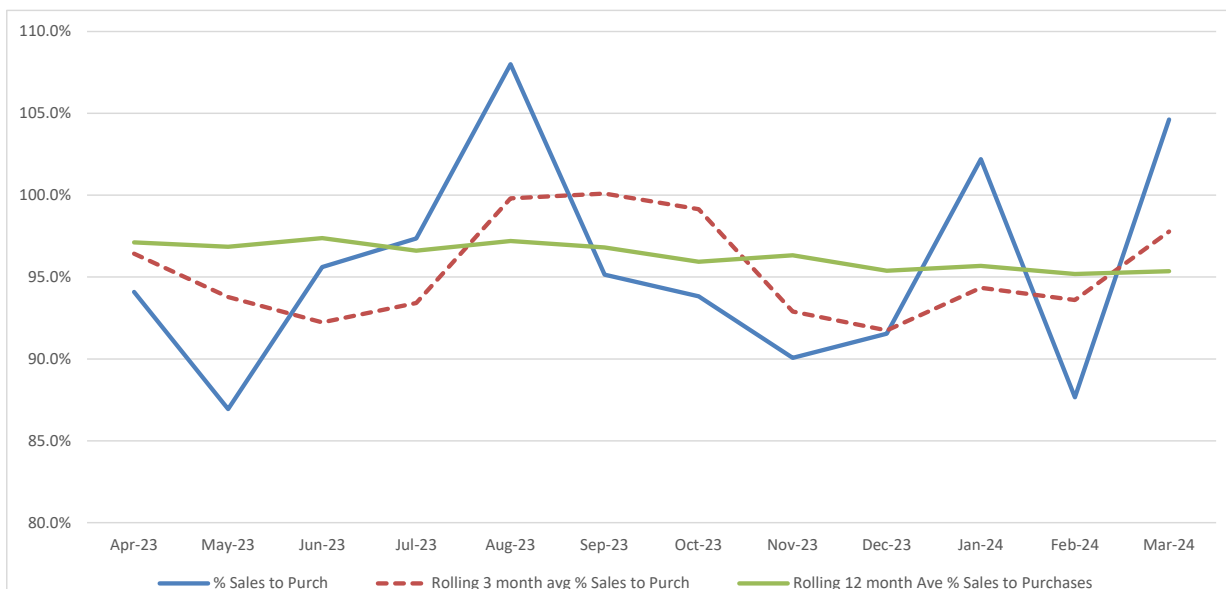
Acct #	WATER DEPARTMENT	2021 Budget			2022 Budget			2023 Budget			2024 Budget			Total Projects		
		Bud Amt	YTD Exp	Budget Bal	Bud Amt	YTD Exp	Budget Bal	Bud Amt	YTD Exp	Budget Bal	Bud Amt	YTD Exp	Budget Bal	Bud Amt	YTD Exp	Budget Bal
601-00000-16440	Purchase used Dump truck - Double Axel			\$0		\$0	\$75,000		\$75,000		\$80,188	(\$80,188)	\$75,000	\$80,188	(\$5,188)	
601-00000-16500	Ground storage tank (Industrial Tank)			\$0		\$0	\$40,000	\$1,914	\$38,086	\$4,500,000	\$128,062	\$4,371,938	\$4,540,000	\$129,976	\$4,410,024	
601-00000-16500	AMI - Water meter upgrades	\$1,000,000	\$4,117	\$995,883	\$600,000	\$699,633	(\$99,633)	\$0	\$430,406	(\$430,406)	\$150,000	\$36,625	\$113,375	\$1,750,000	\$1,170,781	\$579,219
601-00000-16400	Water Plant PLC upgrades			\$0		\$0			\$0	\$80,000	\$64,423	\$15,577	\$80,000	\$64,423	\$15,577	
601-00000-16400	Safety shoring			\$0		\$0			\$0	\$15,000		\$15,000	\$15,000	\$0	\$15,000	
601-00000-16400	Skid Loader update			\$0		\$0			\$0	\$65,000	\$299	\$64,701	\$65,000	\$299	\$64,701	
601-00000-16400	Replace backhoe			\$0		\$0			\$0	\$175,000	\$170,836	\$4,164	\$175,000	\$170,836	\$4,164	
601-00000-16200	Relocate AC units at Water Plant (3)			\$0		\$0			\$0	\$25,000		\$25,000	\$25,000	\$0	\$25,000	
	Contingency			\$0		\$0			\$0	\$20,000		\$20,000	\$20,000	\$0	\$20,000	
	Miscellaneous capital items (<\$5,000 ea.)			\$0		\$0			\$0	\$5,000		\$5,000	\$5,000	\$0	\$5,000	
601-00000-16500	2024 Improvement Project			\$0		\$0			\$0	\$225,000		\$225,000	\$225,000	\$0	\$225,000	
	<b>TOTAL CAPITAL EXPENDITURES</b>	\$1,000,000	\$4,117	\$995,883	\$600,000	\$699,633	(\$99,633)	\$115,000	\$432,320	(\$317,320)	\$5,260,000	\$480,433	\$4,779,567	\$6,975,000	\$1,616,503	\$5,358,497

Acct #	WASTEWATER DEPARTMENT	2021 Budget			2022 Budget			2023 Budget			2024 Budget			Total Projects		
		Bud Amt	YTD Exp	Budget Bal	Bud Amt	YTD Exp	Budget Bal	Bud Amt	YTD Exp	Budget Bal	Bud Amt	YTD Exp	Budget Bal	Bud Amt	YTD Exp	Budget Bal
602-00000-16440	Vactor replacment(using this for Dump Truck)			\$0		\$0	\$550,000	\$509,653	\$40,347	\$0	\$42,794	(\$42,794)	\$550,000	\$552,446	(\$2,446)	
602-00000-16500	Bar Screen Replacement Project (2022)			\$0	\$750,000	\$46,225	\$703,775	\$0	\$666,889	(\$666,889)	\$0	\$9,338	(\$9,338)	\$750,000	\$722,452	\$27,549
602-00000-16500	Lift Station rehab/repair/monitoring			\$0		\$0			\$0	\$150,000	\$116,706	\$33,294	\$150,000	\$116,706	\$33,294	
	Lift Station Panel Updates			\$0		\$0			\$0	\$0		\$0	\$0	\$0	\$0	
602-00000-16500	Eastside lift station pump improvements			\$0		\$0			\$0	\$185,000		\$185,000	\$185,000	\$0	\$185,000	
602-00000-16200	Lab/Office Updates			\$0		\$0			\$0	\$25,000	\$10,560	\$14,440	\$25,000	\$10,560	\$14,440	
602-00000-16440	Service Truck - Collections			\$0		\$0			\$0	\$95,000	\$101,682	(\$6,682)	\$95,000	\$101,682	(\$6,682)	
	Diffuser Replace / Aeration Basin Cleaning			\$0		\$0			\$0	\$0		\$0	\$0	\$0	\$0	
602-00000-16500	Digester Improvements			\$0		\$0	\$500,000	\$169,253	\$330,747	\$825,000	\$259,110	\$565,890	\$1,325,000	\$428,363	\$896,637	
602-00000-16500	UV/Solids handling upgrade project			\$0		\$0	\$4,000,000	\$8,454	\$3,991,546	\$14,000,000		\$14,000,000	\$18,000,000	\$8,454	\$17,991,546	
602-00000-16400	Grit Pump/RAS/WAS Replacement Pumps			\$0		\$0			\$0	\$50,000		\$50,000	\$50,000	\$0	\$50,000	
	Secondary Clarifier Updates			\$0		\$0			\$0	\$0		\$0	\$0	\$0	\$0	
	Contingency (2024 60x10 Dump Trailer)			\$0		\$0			\$0	\$20,000	\$7,952	\$12,048	\$20,000	\$7,952	\$12,048	
	Misc Capital items			\$0		\$0			\$0	\$5,000		\$5,000	\$5,000	\$0	\$5,000	
602-00000-16500	2024 Improvement Project			\$0		\$0			\$0	\$200,000		\$200,000	\$200,000	\$0	\$200,000	
	<b>TOTAL CAPITAL EXPENDITURES</b>	\$0	\$0	\$0	\$750,000	\$46,225	\$703,775	\$5,050,000	\$1,354,248	\$3,695,752	\$15,555,000	\$548,141	\$15,006,859	\$21,355,000	\$1,948,614	\$19,406,386

## FAIRMONT PUBLIC UTILITIES

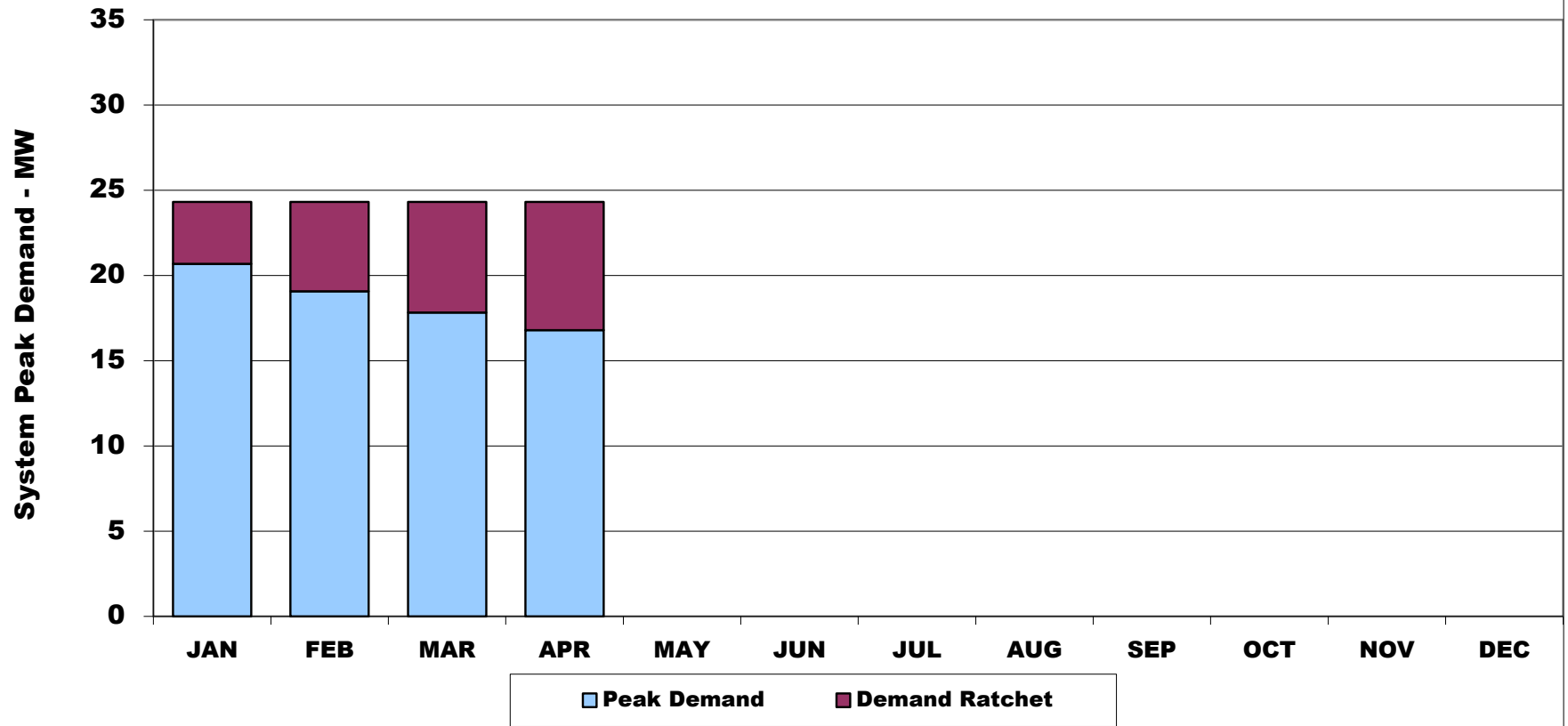
### ELECTRIC DEPT STATISTICAL COMPARISON - APRIL

ACCOUNT #	DESCRIPTION	APR KWH	APR KWH	APR REVENUE	APR REVENUE
		2024	2023	2024	2023
604-37400-37411	Residential Light Sales	1,853,988	2,004,268	\$247,753.62	\$230,714.11
604-37400-37412	Residential Heat Sales	659,778	739,444	\$80,732.76	\$77,345.44
604-37400-37413	Commercial Service Sales	1,704,031	1,698,386	\$210,819.07	\$182,567.66
604-37400-37414	Seasonal Commercial Heat Sales	90,651	129,153	\$7,956.80	\$9,179.86
604-37400-37415	General Service Sales	1,072,988	1,103,996	\$118,666.73	\$103,842.79
604-37400-37416	Industrial Sales	4,007,883	4,333,093	\$433,840.10	\$388,177.99
604-37400-37417	All Electric Sales	625,259	678,683	\$62,772.18	\$61,271.85
604-37400-37418	Rural Electric Sales	244,343	275,397	\$31,423.87	\$30,771.74
604-37400-37420	Filter Plant Power	106,016	115,104	\$8,756.92	\$7,654.42
604-37400-37421	WW Treatment Plant Power	114,518	111,430	\$9,459.19	\$7,410.10
604-37400-37423	Municipal Street Lighting	40,447	38,611	\$3,696.84	\$2,895.87
604-37400-37422	EV Charging Stations		0	\$86.96	\$55.65
604-37400-37426	Security & Street Lighting	3,808	3,635	\$905.44	\$879.98
604-37400-37419	Energy Cost Adjustment			\$140,987.17	\$152,144.90
<b>TOTAL SALES</b>		<b>10,523,710</b>	<b>11,231,200</b>	<b>\$1,357,857.65</b>	<b>\$1,254,912.36</b>
				<b>0.12903</b>	<b>0.11173</b>
<b>ELECTRIC PURCHASES</b>		<b>2024</b>	<b>2023</b>		
<b>TIE LINE - SMMPA 69 KV (BILLED)</b>		<b>10,377,232</b>	<b>10,578,492</b>		
<b>TIE LINE - WAPA 69 KV (BILLED)</b>		<b>358,000</b>	<b>358,000</b>		
<b>TOTAL PURCHASES (69 KV)</b>		<b>10,735,232</b>	<b>10,936,492</b>		
<b>SALES TO PURCHASES DIFFERENTIAL</b>		<b>211,522</b>	<b>(294,708)</b>	<b>2024</b>	<b>2023</b>
				<b>98.03%</b>	<b>102.69%</b>





## City of Fairmont Demand Ratchet Costs - 2024



	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PEAK DEMAND	20,689	19,074	17,829	16,787								
RATCHET DEMAND	24,313	24,313	24,313	24,313								
DIFFERENCE	3,624	5,239	6,484	7,526	0					0	0	0
RATCHET COST	\$39,683	\$57,367	\$71,000	\$82,410	\$0					\$0	\$0	\$0

**TOTAL RATCHET COSTS**

**\$250,460**

JAN - MAY: RATCHET BASED ON SYSTEM PEAK OF 32,856 SET ON AUGUST 23, 2023

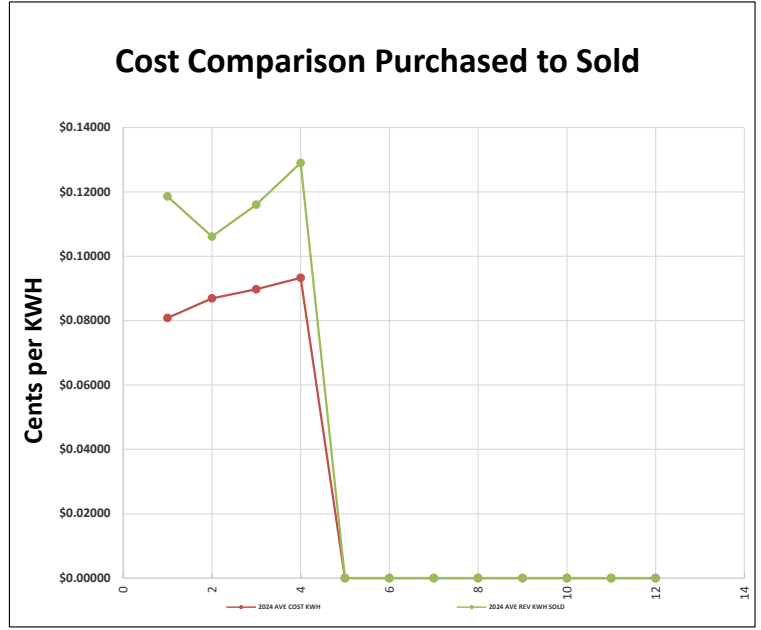
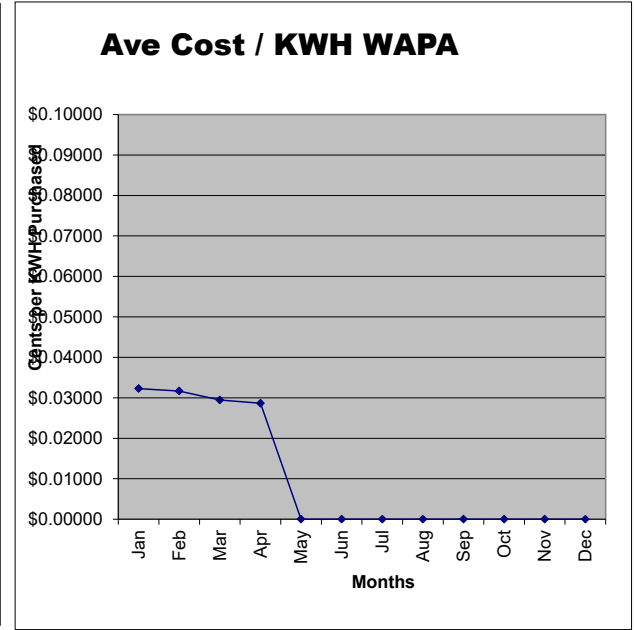
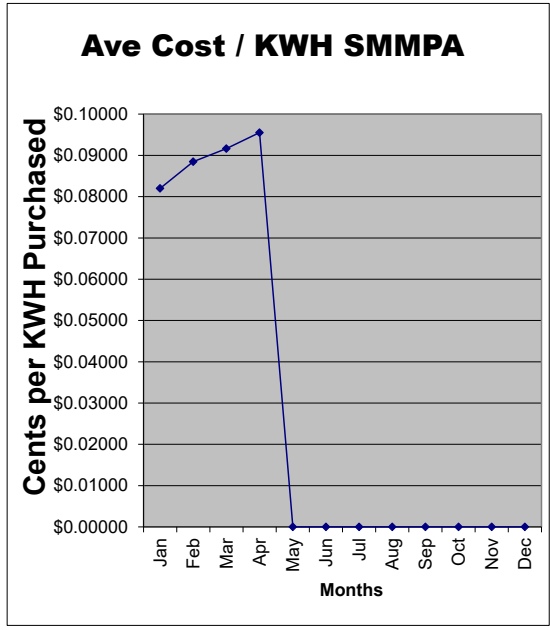
JUN - SEP: ANNUAL PEAK MEASUREMENT PERIOD.

OCT-DEC: RATCHET BASED ON SYSTEM PEAK SET SUMMER OF 2024 - TBD

Ratchet is 74% of peak demand.

## FAIRMONT PUBLIC UTILITIES - COMPARISON OF PURCHASE POWER TO SALES FOR YEAR 2024

	SMMPA									WAPA				TOTAL KWH PURCHASED	TOTAL PURCHASED POWER COST	2024 AVE COST KWH	TOTAL KWH SOLD TO CUSTOMERS	TOTAL REVENUE	2024 AVE REV KWH SOLD
	ACTUAL DEMAND	BILLED DEMAND	KWH	DEMAND \$\$	ENERGY \$\$	ECA \$\$	WHEELING	TOTAL BILL	AVERAGE COST/KWH	BILLED DEMAND	KWH	TOTAL BILL	AVERAGE COST/KWH						
JAN	20,689	24,313	12,327,128	\$356,252.79	\$683,522.17	(\$29,091.95)	\$0.00	\$1,010,683.01	\$0.08199	784	286,000	\$9,228.02	\$0.03227	12,613,128	\$1,019,911.03	\$0.08086	11,416,223	\$1,353,596.98	\$0.11857
FEB	19,074	24,313	10,696,985	\$354,091.54	\$595,059.41	(\$2,810.59)	\$0.00	\$946,340.36	\$0.08847	785	297,000	\$9,402.19	\$0.03166	10,993,985	\$955,742.55	\$0.08693	13,368,462	\$1,418,668.11	\$0.10612
MAR	17,829	24,313	10,917,771	\$354,091.54	\$603,366.84	\$42,991.18	\$0.00	\$1,000,449.56	\$0.09163	782	342,000	\$10,070.74	\$0.02945	11,259,771	\$1,010,520.30	\$0.08975	10,235,151	\$1,187,663.58	\$0.11604
APR	16,787	24,313	10,377,232	\$354,091.54	\$579,856.45	\$57,307.38	\$0.00	\$991,255.37	\$0.09552	774	358,000	\$10,265.46	\$0.02867	10,735,232	\$1,001,520.83	\$0.09329	10,523,710	\$1,357,857.65	\$0.12903
MAY							\$0.00	\$0.00	#DIV/0!				#DIV/0!	0	\$0.00	#DIV/0!			#DIV/0!
JUN							\$0.00	\$0.00	#DIV/0!				#DIV/0!	0	\$0.00	#DIV/0!			#DIV/0!
JUL							\$0.00	\$0.00	#DIV/0!				#DIV/0!	0	\$0.00	#DIV/0!			#DIV/0!
AUG							\$0.00	\$0.00	#DIV/0!				#DIV/0!	0	\$0.00	#DIV/0!			#DIV/0!
SEP							\$0.00	\$0.00	#DIV/0!				#DIV/0!	0	\$0.00	#DIV/0!			#DIV/0!
OCT							\$0.00	\$0.00	#DIV/0!				#DIV/0!	0	\$0.00	#DIV/0!			#DIV/0!
NOV							\$0.00	\$0.00	#DIV/0!				#DIV/0!	0	\$0.00	#DIV/0!			#DIV/0!
DEC							\$0.00	\$0.00	#DIV/0!				#DIV/0!	0	\$0.00	#DIV/0!			#DIV/0!
TOT			44,319,116	\$1,418,527.41	\$2,461,804.87	\$68,396.02	\$0.00	\$3,948,728.30	\$0.08910	3,125	1,283,000	\$38,966.41	\$0.03037	45,602,116	\$3,987,694.71	\$0.08745	45,543,546	\$5,317,786.32	\$0.1168
																			AVE KWH COST \$0.0875
																			KWH SOLD \$0.0876
																			KWH MARGIN \$0.0292



**PUBLIC UTILITIES COMMISSION WATER DEPARTMENT STATISTICS FOR 2024**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
RAW WATER	41,555,280	39,324,370	42,705,320	40,986,120								
FINISHED WATER	40,642,050	38,442,680	41,367,380	39,883,860								
<b>TOTAL PLANT LOSS</b>	<b>913,230</b>	<b>881,690</b>	<b>1,337,940</b>	<b>1,102,260</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
RESIDENTIAL SALES	14,064,337	13,578,137	10,984,741	12,169,206								
COMMERCIAL SALES	7,270,057	8,332,125	7,516,391	8,503,944								
INDUSTRIAL SALES	14,452,326	14,429,885	13,816,484	14,811,390								
<b>TOTAL WATER SALES</b>	<b>35,786,720</b>	<b>36,340,147</b>	<b>32,317,616</b>	<b>35,484,540</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
ACCOUNTED LOSS	1,064,326	1,496,660	1,481,770	1,375,820								
UNACCOUNTED LOSS	3,791,004	605,873	7,567,994	3,023,500	0	0	0	0	0	0	0	0
% OF NET FINISHED WATER	9.33%	1.58%	18.29%	7.58%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
PEAK DAY VOL	1,451,900	1,560,400	1,546,700	1,523,300								
PEAK DATE	01/20/24	01/22/24	03/15/24	04/15/24								
AVERAGE DAY VOL	1,311,000	1,325,600	1,334,400	1,329,500								
RESIDENTIAL SALES \$\$	\$291,043.80	\$287,474.80	\$267,441.43	\$275,761.72								
COMMERCIAL SALES \$\$	\$97,694.60	\$106,550.06	\$99,353.24	\$108,341.42								
INDUSTRIAL SALES \$\$	\$101,670.40	\$101,498.80	\$96,808.40	\$104,416.00								
<b>TOTAL SALES \$\$\$</b>	<b>\$490,408.80</b>	<b>\$495,523.66</b>	<b>\$463,603.07</b>	<b>\$488,519.14</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>

**WATER DEPARTMENT TOTALS YEAR TO DATE**

	2024	2023	
RAW WATER	164,571,090	152,773,904	GAL
FINISHED WATER	160,335,970	150,004,247	GAL
TOTAL PLANT LOSS	4,235,120	2,769,657	
RESIDENTIAL SALES	50,796,421	52,233,234	GAL
COMMERCIAL SALES	31,622,517	35,041,281	GAL
INDUSTRIAL SALES	57,510,085	47,620,864	GAL
TOTAL WATER SALES	139,929,023	134,895,379	GAL
ACCOUNTED LOSSES	5,418,576	3,661,550	GAL
UNACCOUNTED LOSSES	14,988,371	11,447,318	GAL
% OF NET FINISHED WATER	9.35%	7.63%	
YTD RESIDENTIAL SALES \$\$	\$1,121,721.75	\$904,452.05	
YTD COMMERCIAL SALES \$\$	\$411,939.32	\$366,924.68	
YTD INDUSTRIAL SALES \$\$	\$404,393.60	\$277,153.20	
YTD WATER SALES TOTAL \$	\$1,938,054.67	\$1,548,529.93	
REVENUE PER GALLON SOLI	\$0.013850	\$0.011479	
	1.20652	1.03457	

**PUBLIC UTILITIES COMMISSION WASTEWATER DEPARTMENT STATISTICS FOR THE YEAR 2024**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
TOTAL FLOW	40,440,000	36,800,000	42,950,000	59,100,000								
DAILY FLOW	1,300,000	1,270,000	1,390,000	1,970,000								
MAXIMUM FLOW	1,430,000	1,390,000	2,280,000	3,020,000								
MINIMUM FLOW	1,220,000	1,230,000	1,170,000	1,590,000								
I & I % OF TOTAL FLOW	29.06%	19.21%	38.82%	50.74%								
<b><u>INFLUENT AVERAGE:</u></b>												
LBS / DAY BOD	2,696	2,852	2,355	3,293								
LBS / DAY TSS	4,615	5,000	3,869	2,176								
<b><u>EFFLUENT BOD:</u></b>												
AVERAGE BOD	2.8	3.4	2.8	2.5								
MAXIMUM BOD	4.0	4.5	5.3	3.1								
MINIMUM BOD	1.0	1.9	1.6	1.8								
<b><u>EFFLUENT TSS:</u></b>												
AVERAGE TSS	17	17	12	7								
MAXIMUM TSS	19	23	25	13								
MINIMUM TSS	5	13	7	4								
<b># OF DAYS OVER</b>												
PERMIT LIMITS	0	0	0	0								
ELECTRIC USE - KWH	110,728	108,592	89,600	114,518								
ELECTRIC USE - COST	\$8,830.20	\$8,942.66	\$7,085.03	\$11,007.36								
<b><u>REVENUE:</u></b>												
RESIDENTIAL	\$117,874.58	\$116,425.79	\$109,287.30	\$112,674.71								
COMMERCIAL	\$31,486.23	\$37,367.94	\$34,848.09	\$35,076.41								
INDUSTRIAL	\$38,326.82	\$42,628.76	\$67,813.95	\$59,719.19								
<b>TOTAL REVENUE</b>	<b>\$187,687.63</b>	<b>\$196,422.49</b>	<b>\$211,949.34</b>	<b>\$207,470.31</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>

**WASTEWATER DEPARTMENT TOTALS YEAR TO DATE**

	YEAR	
	2024	2023
TOTAL FLOW TO PLANT, GALLONS	179,290,000	152,120,000
I & I % OF TOTAL FLOW	34.46%	13.35%
DAYS EXCEEDING PERMIT LIMITS	0	0
TOTAL ELECTRIC - KWH	423,438	405,452
TOTAL ELECTRIC - COST	\$35,865.25	\$ 29,668.94
TOTAL RESIDENTIAL REVENUE	\$456,262.38	\$412,349.06
TOTAL COMMERCIAL REVENUE	\$138,778.67	\$128,636.19
TOTAL INDUSTRIAL REVENUE	\$208,488.72	\$140,333.19
<b>TOTAL REVENUE</b>	<b>\$803,529.77</b>	<b>\$681,318.44</b>

BOD = Biodegradable Oxygen Demand  
TSS= Total Suspended Solids



Fairmont Public Utilities Commission  
May 21, 2024

Agenda Item: 6

**From:** Julie Zarling, Assistant Finance Director  
**To:** Public Utilities Commission

**Subject:** Record of Disbursements- April 2024

**Policy/Action Requested:**

**Vote Required:**  X  Simple Majority      \_\_\_\_\_ Roll Call

**Recommendation:** Approval

**Overview:**

Approval is requested for the Commissioners' Record of Disbursements for April 2024

**Budget Impact:**

**Attachments:** PUC Check Listing for April 2024

\*\*\*\*\*  
PUC Action: \_\_\_\_\_ Date: \_\_\_\_\_

AP  
PUC CHECKS



User: juliezar  
Printed: 5/16/2024 11:02:51 AM

Last Name	Acct 1	Amount	Check Date	Check Num	Description
Abel Charlie	602-49450-31400	1,976.00	5/13/2024	0	dry biosolid hauling
Abel Charlie		1,976.00			
Abel Eva	604-49595-43985	25.00	4/26/2024	164358	residential refrigerator rebate
Abel Eva		25.00			
Advanced Engineering & Environmental Services, LLC	601-00000-16400	64,422.77	4/15/2024	164267	professional services 3/2/24-3/29/24 - CIP - PLC upgrades
Advanced Engineering & Environmental Services, LLC	602-49450-31200	654.00	4/26/2024	164360	professional services 1/1/24-2/2/24 I&C system services
Advanced Engineering & Environmental Services, LLC	602-49450-31200	218.00	4/15/2024	164267	professional services 3/2/24-3/29/24 digester valves programming
Advanced Engineering & Environmental Services, LLC		65,294.77			
Alpha Wireless Communications Co.	604-49570-40400	10,068.60	4/15/2024	164268	(4) APX 900 Model 2 Portable
Alpha Wireless Communications Co.		10,068.60			
Amazon Capital Services	602-00000-16200	299.66	4/11/2024	164212	Big & Tall Office Chair WW
Amazon Capital Services	601-49440-20120	2.83	4/15/2024	164289	Office Supplies
Amazon Capital Services	604-49570-40400	24.96	5/13/2024	164532	jumping jack bellows boot
Amazon Capital Services	602-49490-20120	1.73	4/15/2024	164289	Office Supplies
Amazon Capital Services	604-49590-20120	9.48	4/15/2024	164289	Office Supplies
Amazon Capital Services	604-49570-43900	534.95	5/13/2024	164532	safety boots-leach
Amazon Capital Services		873.61			
American Welding & Gas, Inc.	601-49430-40200	131.10	5/13/2024	164533	cylinder rental
American Welding & Gas, Inc.		131.10			
AMG Plumbing & Heating	601-49400-40300	11,599.78	5/13/2024	164534	replace drinking water RPZ and fire hydrant

Last Name	Acct 1	Amount	Check Date	Check Num	Description
AMG Plumbing & Heating		11,599.78			
Anderson Brad	604-49595-43990	50.00	4/26/2024	164361	residential furnace rebate
Anderson Brad		50.00			
Aramark Uniform Services	601-49400-31200	183.95	4/15/2024	164269	laundrying services
Aramark Uniform Services		183.95			
Barnes Troy	604-49595-43982	90.00	4/26/2024	164362	residential heat pump water heater rebate
Barnes Troy		90.00			
Bock Randall	601-49440-32100	46.44	4/4/2024	0	April 2024 Cell Phone Reimbursement
Bock Randall		46.44			
Bolton & Menk, Inc.	602-00000-16500	4,720.50	4/11/2024	164221	Screen Improvement Project 02/17 to 03/15/2024 Waste Water
Bolton & Menk, Inc.	601-00000-16500	60,000.00	4/11/2024	164221	Ground Storage Reservoir Improvements 02/17 to 03/15/2024
Bolton & Menk, Inc.		64,720.50			
Bomgaars Supply	602-49470-40200	158.90	4/26/2024	164363	misc tools for new truck
Bomgaars Supply	601-49400-43900	6.49	4/26/2024	164363	weld tips
Bomgaars Supply	604-00000-16400	543.94	4/26/2024	164363	tools for new boring machine - CIP - replace boring machine
Bomgaars Supply	604-49570-43900	4.99	4/26/2024	164363	watering can
Bomgaars Supply	601-49430-40200	7.18	4/26/2024	164363	hole straps and bushing
Bomgaars Supply	601-49400-43900	8.48	4/26/2024	164363	sponges
Bomgaars Supply	604-49570-43900	34.58	4/26/2024	164363	hole saws
Bomgaars Supply	602-49470-40200	23.98	4/26/2024	164363	shop towels
Bomgaars Supply		788.54			
Carquest Auto Parts Stores	604-49570-40500	9.42	5/13/2024	164535	#229 toggle switch
Carquest Auto Parts Stores	602-49450-40500	44.19	5/13/2024	164535	#453 brake pads
Carquest Auto Parts Stores	604-49570-40500	26.78	5/13/2024	164535	#229 wiper blades
Carquest Auto Parts Stores	602-49450-40200	21.76	5/13/2024	164535	multi pack mini fuses
Carquest Auto Parts Stores	604-49570-40500	291.80	5/13/2024	164535	assembly hoses, hydraulic fittings
Carquest Auto Parts Stores	602-49450-40500	22.09	5/13/2024	164535	#453 triangle kit

Last Name	Acct 1	Amount	Check Date	Check Num	Description
Carquest Auto Parts Stores		416.04			
Cemstone Concrete Materials LLC	602-49470-40200	48.42	5/13/2024	164536	#4 rebar
Cemstone Concrete Materials LLC		48.42			
Cintas Corporation	604-49570-43760	2,151.77	5/13/2024	164537	laundry services
Cintas Corporation	604-49570-31200	114.92	5/13/2024	164537	disinfectants
Cintas Corporation		2,266.69			
Colonial Life	604-00000-21812	11.00	4/10/2024	164153	PR Batch 00001.04.2024 Colonial GroupSpecifiedDisease
Colonial Life	602-00000-21812	18.69	4/10/2024	164153	PR Batch 00001.04.2024 Colonial Cancer
Colonial Life	604-00000-21812	62.12	4/24/2024	164353	PR Batch 00002.04.2024 Colonial Cancer
Colonial Life	601-00000-21812	144.33	4/10/2024	164153	PR Batch 00001.04.2024 Colonial Life Insurance
Colonial Life	602-00000-21812	98.09	4/10/2024	164153	PR Batch 00001.04.2024 Colonial Life Insurance
Colonial Life	604-00000-21812	11.00	4/24/2024	164353	PR Batch 00002.04.2024 Colonial GroupSpecifiedDisease
Colonial Life	604-00000-21812	245.94	4/10/2024	164153	PR Batch 00001.04.2024 Colonial Disability
Colonial Life	602-00000-21812	135.22	4/10/2024	164153	PR Batch 00001.04.2024 Colonial Disability
Colonial Life	601-00000-21812	144.31	4/24/2024	164353	PR Batch 00002.04.2024 Colonial Life Insurance
Colonial Life	602-00000-21812	14.41	4/10/2024	164153	PR Batch 00001.04.2024 Colonial GroupSpecifiedDisease
Colonial Life	602-00000-21812	135.26	4/24/2024	164353	PR Batch 00002.04.2024 Colonial Disability
Colonial Life	604-00000-21812	62.12	4/10/2024	164153	PR Batch 00001.04.2024 Colonial Cancer
Colonial Life	604-00000-21812	192.56	4/24/2024	164353	PR Batch 00002.04.2024 Colonial Life Insurance
Colonial Life	604-00000-21812	192.56	4/10/2024	164153	PR Batch 00001.04.2024 Colonial Life Insurance
Colonial Life	601-00000-21812	53.73	4/24/2024	164353	PR Batch 00002.04.2024 Colonial Group Accident
Colonial Life	602-00000-21812	98.09	4/24/2024	164353	PR Batch 00002.04.2024 Colonial Life Insurance
Colonial Life	601-00000-21812	53.70	4/10/2024	164153	PR Batch 00001.04.2024 Colonial Group Accident
Colonial Life	601-00000-21812	18.95	4/10/2024	164153	PR Batch 00001.04.2024 Colonial GroupSpecifiedDisease
Colonial Life	601-00000-21812	59.45	4/10/2024	164153	PR Batch 00001.04.2024 Colonial Cancer
Colonial Life	602-00000-21812	14.41	4/24/2024	164353	PR Batch 00002.04.2024 Colonial GroupSpecifiedDisease
Colonial Life	604-00000-21812	51.10	4/24/2024	164353	PR Batch 00002.04.2024 Colonial Group Accident
Colonial Life	602-00000-21812	52.47	4/10/2024	164153	PR Batch 00001.04.2024 Colonial Group Accident
Colonial Life	602-00000-21812	18.67	4/24/2024	164353	PR Batch 00002.04.2024 Colonial Cancer
Colonial Life	601-00000-21812	59.49	4/24/2024	164353	PR Batch 00002.04.2024 Colonial Cancer
Colonial Life	601-00000-21812	216.44	4/24/2024	164353	PR Batch 00002.04.2024 Colonial Disability
Colonial Life	604-00000-21812	51.10	4/10/2024	164153	PR Batch 00001.04.2024 Colonial Group Accident
Colonial Life	601-00000-21812	18.95	4/24/2024	164353	PR Batch 00002.04.2024 Colonial GroupSpecifiedDisease
Colonial Life	604-00000-21812	246.19	4/24/2024	164353	PR Batch 00002.04.2024 Colonial Disability
Colonial Life	601-00000-21812	216.36	4/10/2024	164153	PR Batch 00001.04.2024 Colonial Disability
Colonial Life	602-00000-21812	52.47	4/24/2024	164353	PR Batch 00002.04.2024 Colonial Group Accident



Last Name	Acct 1	Amount	Check Date	Check Num	Description
Colonial Life		2,749.18			
Culligan Water of Fairmont	601-49400-40200	64.20	4/15/2024	164270	6 o-rings
Culligan Water of Fairmont		64.20			
Day Plumbing Heating & Cooling, Inc.	601-00000-16500	1,736.29	4/26/2024	164364	materials and labor to get new water meter in - CIP - AMI
Day Plumbing Heating & Cooling, Inc.	601-49430-40200	57.52	4/26/2024	164364	hose clamp, brass barbs
Day Plumbing Heating & Cooling, Inc.	601-49430-40200	13.79	4/26/2024	164364	3" sch 80 pvc
Day Plumbing Heating & Cooling, Inc.		1,807.60			
DGR Engineering	604-00000-16500	494.00	4/26/2024	164365	services through 3/31/24 - CIP - FES Sub transf replace
DGR Engineering	604-00000-16500	4,872.00	4/26/2024	164365	services thru 3/31/24 grant devel - CIP - FES Sub transf replace
DGR Engineering		5,366.00			
Diaz Tammy	601-00000-20200	1.51	4/1/2024	164095	Refund Check 012877-005, 600 Burton Lane 212
Diaz Tammy	604-00000-20200	121.51	4/1/2024	164095	Refund Check 012877-005, 600 Burton Lane 212
Diaz Tammy	602-00000-20200	1.35	4/1/2024	164095	Refund Check 012877-005, 600 Burton Lane 212
Diaz Tammy	604-00000-20200	0.05	4/1/2024	164095	Refund Check 012877-005, 600 Burton Lane 212
Diaz Tammy	602-00000-20200	2.54	4/1/2024	164095	Refund Check 012877-005, 600 Burton Lane 212
Diaz Tammy	604-00000-20200	8.98	4/1/2024	164095	Refund Check 012877-005, 600 Burton Lane 212
Diaz Tammy		135.94			
Ditch Witch Of Minnesota, Inc.	604-49570-22300	638.40	5/13/2024	164538	boring gel
Ditch Witch Of Minnesota, Inc.		638.40			
East Chain Ev. Free Church	604-49595-43981	1,605.00	4/26/2024	164366	residential ASHP rebate 2746 50th St Granada
East Chain Ev. Free Church		1,605.00			
EFTPS	601-00000-21803	2,326.28	4/10/2024	0	PR Batch 00001.04.2024 FICA Employer Portion
EFTPS	601-00000-21803	2,326.28	4/10/2024	0	PR Batch 00001.04.2024 FICA Employee Portion
EFTPS	604-00000-21803	2,864.56	4/10/2024	0	PR Batch 00001.04.2024 FICA Employee Portion
EFTPS	602-00000-21803	1,267.90	4/24/2024	0	PR Batch 00002.04.2024 FICA Employer Portion
EFTPS	604-00000-21803	2,864.56	4/10/2024	0	PR Batch 00001.04.2024 FICA Employer Portion
EFTPS	602-00000-21809	296.54	4/24/2024	0	PR Batch 00002.04.2024 Medicare Employer Portion
EFTPS	604-00000-21809	694.30	4/24/2024	0	PR Batch 00002.04.2024 Medicare Employer Portion
EFTPS	604-00000-21809	669.93	4/10/2024	0	PR Batch 00001.04.2024 Medicare Employee Portion

Last Name	Acct 1	Amount	Check Date	Check Num	Description
EFTPS	601-00000-21803	2,348.12	4/24/2024	0	PR Batch 00002.04.2024 FICA Employee Portion
EFTPS	602-00000-21803	1,396.29	4/10/2024	0	PR Batch 00001.04.2024 FICA Employee Portion
EFTPS	602-00000-21803	1,396.29	4/10/2024	0	PR Batch 00001.04.2024 FICA Employer Portion
EFTPS	601-00000-21803	2,348.12	4/24/2024	0	PR Batch 00002.04.2024 FICA Employer Portion
EFTPS	604-00000-21801	5,131.18	4/24/2024	0	PR Batch 00002.04.2024 Federal Income Tax
EFTPS	602-00000-21803	1,267.90	4/24/2024	0	PR Batch 00002.04.2024 FICA Employee Portion
EFTPS	604-00000-21801	4,935.80	4/10/2024	0	PR Batch 00001.04.2024 Federal Income Tax
EFTPS	601-00000-21809	549.14	4/24/2024	0	PR Batch 00002.04.2024 Medicare Employee Portion
EFTPS	602-00000-21801	2,040.79	4/24/2024	0	PR Batch 00002.04.2024 Federal Income Tax
EFTPS	604-00000-21809	694.30	4/24/2024	0	PR Batch 00002.04.2024 Medicare Employee Portion
EFTPS	601-00000-21809	549.14	4/24/2024	0	PR Batch 00002.04.2024 Medicare Employer Portion
EFTPS	601-00000-21801	3,742.82	4/24/2024	0	PR Batch 00002.04.2024 Federal Income Tax
EFTPS	602-00000-21809	296.54	4/24/2024	0	PR Batch 00002.04.2024 Medicare Employee Portion
EFTPS	604-00000-21803	2,968.70	4/24/2024	0	PR Batch 00002.04.2024 FICA Employee Portion
EFTPS	601-00000-21801	3,619.71	4/10/2024	0	PR Batch 00001.04.2024 Federal Income Tax
EFTPS	604-00000-21809	669.93	4/10/2024	0	PR Batch 00001.04.2024 Medicare Employer Portion
EFTPS	602-00000-21809	326.57	4/10/2024	0	PR Batch 00001.04.2024 Medicare Employer Portion
EFTPS	601-00000-21809	544.02	4/10/2024	0	PR Batch 00001.04.2024 Medicare Employee Portion
EFTPS	604-00000-21803	2,968.70	4/24/2024	0	PR Batch 00002.04.2024 FICA Employer Portion
EFTPS	601-00000-21809	544.02	4/10/2024	0	PR Batch 00001.04.2024 Medicare Employer Portion
EFTPS	602-00000-21801	2,005.31	4/10/2024	0	PR Batch 00001.04.2024 Federal Income Tax
EFTPS	602-00000-21809	326.57	4/10/2024	0	PR Batch 00001.04.2024 Medicare Employee Portion
EFTPS		53,980.31			
Elan Financial Services	604-49570-33100	667.60	4/11/2024	164227	Training 02/21 to 02/23/24 Red Wing
Elan Financial Services	604-49590-20120	75.00	4/11/2024	164227	Flowers for Mile's Brother's Funeral
Elan Financial Services	602-49470-21200	85.00	4/11/2024	164227	Fill up New F550 WW Service Truck to Bring Back to Fmt
Elan Financial Services	604-49570-22300	1,496.76	4/11/2024	164227	Meter Equipment
Elan Financial Services	602-49470-43900	32.35	4/11/2024	164227	GB PNP 5+ Gal Diesel
Elan Financial Services	601-49440-33100	376.44	4/11/2024	164227	Shawn Schaefer Training Rochester 03/11 to 03/15/24
Elan Financial Services	604-49570-22300	-199.71	4/11/2024	164227	Meter Supplies
Elan Financial Services	604-49570-33100	215.26	4/11/2024	164227	2024 Midwest ESRI Utility Sponsorship
Elan Financial Services		2,748.70			
Elizabeth Chevrolet, Inc.	602-49450-40500	233.00	4/17/2024	164329	Tail Light Repair 2023 Chev Silverado 2500H
Elizabeth Chevrolet, Inc.	602-49450-40500	159.62	4/26/2024	164367	#442 right turn signal fix
Elizabeth Chevrolet, Inc.		392.62			
Fairmont Body Shop Inc.	602-49450-40500	4,690.76	4/26/2024	164368	fix truck #442 after accident

Last Name	Acct 1	Amount	Check Date	Check Num	Description
Fairmont Body Shop Inc.		4,690.76			
Fairmont Ford	602-49470-40500	2,941.01	4/26/2024	164369	fix truck #441 after accident
Fairmont Ford		2,941.01			
Fastenal Company	601-49400-40400	66.87	4/26/2024	164370	#677 4 weld on hooks
Fastenal Company		66.87			
Federated Rural Electric Association	602-49470-38100	64.90	5/13/2024	164539	electric service-wwtp
Federated Rural Electric Association		64.90			
Ferguson Enterprises # 3326	601-49430-40200	204.89	4/26/2024	164371	pvc s80 sxs coup
Ferguson Enterprises # 3326		204.89			
Fleet & Farm Supply	602-49450-40400	68.98	5/13/2024	164540	grease,plastic wrap
Fleet & Farm Supply	602-49450-43900	10.99	5/13/2024	164540	batteries
Fleet & Farm Supply	602-49470-43900	49.99	5/13/2024	164540	round up
Fleet & Farm Supply	602-49450-43900	41.44	5/13/2024	164540	simple green, glass cleaner, fittings
Fleet & Farm Supply	602-49470-40200	53.98	5/13/2024	164540	batteries wal-mart lift
Fleet & Farm Supply	602-49470-40200	14.99	5/13/2024	164540	sump check
Fleet & Farm Supply	601-49430-40200	5.99	5/13/2024	164540	utility knife
Fleet & Farm Supply	604-49570-22300	47.97	5/13/2024	164540	leather gloves
Fleet & Farm Supply	602-49470-43900	14.99	5/13/2024	164540	leather gloves
Fleet & Farm Supply	602-49470-40200	21.99	5/13/2024	164540	power supply wal-mart lift
Fleet & Farm Supply	604-49570-43900	38.76	5/13/2024	164540	spray paint
Fleet & Farm Supply		370.07			
Frontier Communications	604-49570-32100	58.76	4/15/2024	164271	507-238-1928-april
Frontier Communications	604-49570-32100	42.52	4/15/2024	164271	507-235-6081-april
Frontier Communications		101.28			
Further	604-00000-21811	343.87	4/10/2024	0	PR Batch 00001.04.2024 Health Savings Account
Further	602-00000-21811	460.59	4/10/2024	0	PR Batch 00001.04.2024 Health Savings Account
Further	604-00000-21811	343.87	4/24/2024	0	PR Batch 00002.04.2024 Health Savings Account
Further	602-00000-21811	460.58	4/24/2024	0	PR Batch 00002.04.2024 Health Savings Account
Further	601-00000-21811	937.07	4/24/2024	0	PR Batch 00002.04.2024 Health Savings Account

Last Name	Acct 1	Amount	Check Date	Check Num	Description
Further	601-00000-21811	937.06	4/10/2024	0	PR Batch 00001.04.2024 Health Savings Account
Further		3,483.04			
Geotek Engineering & Testing Services, Inc	601-00000-16500	8,062.00	4/4/2024	164131	Geotechnical Exploration Proposed Ground Storage Tank N Bixby Rd
Geotek Engineering & Testing Services, Inc		8,062.00			
Gopher State One Call, Inc.	601-49430-31200	78.41	5/13/2024	164541	Locating Expense-april
Gopher State One Call, Inc.	602-49470-31200	78.41	5/13/2024	164541	Locating Expense-april
Gopher State One Call, Inc.	604-49570-31200	80.78	5/13/2024	164541	Locating Expense-april
Gopher State One Call, Inc.		237.60			
Grainger	601-49400-40400	135.11	4/26/2024	164372	differential pressure switch
Grainger		135.11			
Graymont (WI) LLC	601-49400-21620	7,899.70	4/26/2024	164373	high calcium quicklime
Graymont (WI) LLC		7,899.70			
Great Northern Environmental, LLC	602-00000-16500	5,964.80	4/15/2024	164272	4" flame arrestor kit, beather valves
Great Northern Environmental, LLC		5,964.80			
Guido/Julio Najarro Cynthia	602-00000-20200	1.57	4/1/2024	164096	Refund Check 016633-000, 16 E Ken Rue Lane
Guido/Julio Najarro Cynthia	604-00000-20200	2.23	4/1/2024	164096	Refund Check 016633-000, 16 E Ken Rue Lane
Guido/Julio Najarro Cynthia	604-00000-20200	30.32	4/1/2024	164096	Refund Check 016633-000, 16 E Ken Rue Lane
Guido/Julio Najarro Cynthia	604-00000-20200	0.18	4/1/2024	164096	Refund Check 016633-000, 16 E Ken Rue Lane
Guido/Julio Najarro Cynthia	601-00000-20200	1.74	4/1/2024	164096	Refund Check 016633-000, 16 E Ken Rue Lane
Guido/Julio Najarro Cynthia	602-00000-20200	2.94	4/1/2024	164096	Refund Check 016633-000, 16 E Ken Rue Lane
Guido/Julio Najarro Cynthia		38.98			
Gustafson Bruce	604-49595-43988	25.00	4/15/2024	164273	residential dishwasher rebate
Gustafson Bruce		25.00			
Hach Company	601-49400-31200	7,889.00	4/15/2024	164274	chlrn anlzr-2v, nitratax sensor, benchplus
Hach Company		7,889.00			

Last Name	Acct 1	Amount	Check Date	Check Num	Description
Heide Miles	604-49570-33100	108.00	4/15/2024	164275	meal per diem for ESRI Group Utility Conference
Heide Miles		108.00			
Hometown Sanitation Services, LLC	602-49450-31200	77.97	5/13/2024	164542	65gal recycling container 5/1/24-7/31/24
Hometown Sanitation Services, LLC		77.97			
IBEW, Local Union 949	602-00000-21807	260.21	4/10/2024	164155	PR Batch 00001.04.2024 Union Dues
IBEW, Local Union 949	601-00000-21807	769.95	4/10/2024	164155	PR Batch 00001.04.2024 Union Dues
IBEW, Local Union 949	604-00000-21807	805.21	4/10/2024	164155	PR Batch 00001.04.2024 Union Dues
IBEW, Local Union 949		1,835.37			
Impact Proven Solutions	602-49490-31200	418.22	4/26/2024	164374	Monthly Utility Billing-April
Impact Proven Solutions	601-49440-31200	685.27	4/26/2024	164374	Monthly Utility Billing-April
Impact Proven Solutions	604-49590-31200	2,297.21	4/26/2024	164374	Monthly Utility Billing-April
Impact Proven Solutions		3,400.70			
Industrial Chem Labs & Services Inc	602-49470-40200	290.68	5/13/2024	164543	lift station degreaser
Industrial Chem Labs & Services Inc		290.68			
Interstate All Battery Center #9129	604-49570-22300	59.70	5/13/2024	164544	Account# C91290000003107
Interstate All Battery Center #9129		59.70			
J. H. Larson	602-49450-40200	435.08	5/13/2024	164545	115W 120/277 LED Lamp
J. H. Larson	602-49450-40400	57.61	5/13/2024	164545	gang pvs fs cover
J. H. Larson	604-00000-16300	18,107.28	5/13/2024	164545	8000 URD 4000ft - CIP - underground conductors
J. H. Larson	602-49450-40200	54.98	5/13/2024	164545	thermostat wire white
J. H. Larson	602-49450-40400	40.86	5/13/2024	164545	120v plug in circuit breakers
J. H. Larson	602-49450-40400	-213.54	5/13/2024	164545	LED HID high bay 115W
J. H. Larson		18,482.27			
John Deere Financial	602-49450-40400	176.57	4/26/2024	164375	AT182389 switch
John Deere Financial		176.57			
JT Services of Minnesota	604-00000-14207	6,000.00	5/13/2024	164546	4k ft or conduit

Last Name	Acct 1	Amount	Check Date	Check Num	Description
JT Services of Minnesota		6,000.00			
Kodru Equipment Inc.	601-49400-40400	807.60	4/26/2024	164376	parts kit for 4" 601N plug valve
Kodru Equipment Inc.		807.60			
License Bureau	604-00000-16400	1,562.59	4/15/2024	164276	registration boring machine trailer - CIP - replace boring machi
License Bureau		1,562.59			
Lloyd Jessie	604-49570-33100	174.14	5/13/2024	164547	hotel and perdiem reimbursement MMUA Training
Lloyd Jessie	604-49570-33100	108.00	4/15/2024	164277	per diem meal for ESRI Group Utility Conference
Lloyd Jessie		282.14			
MacQueen Equipment LLC	601-49400-40400	1,285.60	4/15/2024	164278	#642 elbow weldment and gaskets
MacQueen Equipment LLC		1,285.60			
Marco Technologies, LLC	601-49440-20120	8.16	4/11/2024	164245	Contract Base Rate 03/22 to 04/21/2024 City Hall
Marco Technologies, LLC	604-49590-20220	37.15	4/23/2024	164347	Contract Base Rate 4/14 to 05/13/2024 Various Printers
Marco Technologies, LLC	601-49440-20220	37.16	4/23/2024	164347	Contract Base Rate 4/14 to 05/13/2024 Various Printers
Marco Technologies, LLC	604-49590-20120	27.36	4/11/2024	164245	Contract Base Rate 03/22 to 04/21/2024 City Hall
Marco Technologies, LLC	602-49490-20220	24.76	4/23/2024	164347	Contract Base Rate 4/14 to 05/13/2024 Various Printers
Marco Technologies, LLC	602-49490-20120	14.87	4/15/2024	164298	Contract Base Rate 04/02/24 to 05/01/24. Usage 03/02 to 04/01/24
Marco Technologies, LLC	601-49440-20120	24.36	4/15/2024	164298	Contract Base Rate 04/02/24 to 05/01/24. Usage 03/02 to 04/01/24
Marco Technologies, LLC	602-49490-20120	5.01	4/11/2024	164245	Contract Base Rate 03/22 to 04/21/2024 City Hall
Marco Technologies, LLC	604-49590-20120	81.65	4/15/2024	164298	Contract Base Rate 04/02/24 to 05/01/24. Usage 03/02 to 04/01/24
Marco Technologies, LLC		260.48			
Martin County Auditor	601-49400-43905	1,358.00	4/15/2024	164299	601 S State St Property Taxes
Martin County Auditor		1,358.00			
Martin County Highway Dept	601-49430-21200	991.04	5/13/2024	164548	gas usage-april
Martin County Highway Dept	602-49450-21200	235.75	5/13/2024	164548	gas usage-april
Martin County Highway Dept	602-49470-21200	1,080.70	5/13/2024	164548	gas usage-april
Martin County Highway Dept	604-49570-21200	1,199.96	5/13/2024	164548	gas usage-april
Martin County Highway Dept		3,507.45			

Last Name	Acct 1	Amount	Check Date	Check Num	Description
Martin County Mechanical	604-49570-40100	149.43	4/26/2024	164377	fix stool in mens bathroom
Martin County Mechanical		149.43			
Matt's Carpet Service	602-00000-16200	4,020.00	4/15/2024	164279	install carpet and vinyl tile - CIP - lab/office updates
Matt's Carpet Service		4,020.00			
Metering & Technology Solutions	601-00000-16500	26,095.42	5/13/2024	164549	meters, plugs, splice kit - CIP - AMI
Metering & Technology Solutions	601-49430-40200	29.83	5/13/2024	164549	rubber gasket
Metering & Technology Solutions	601-00000-16500	3,179.82	4/15/2024	164280	e-series meter - CIP - AMI
Metering & Technology Solutions	601-49430-40200	806.78	4/15/2024	164280	elliptical brass flange
Metering & Technology Solutions		30,111.85			
Midco	604-49570-32100	298.74	4/15/2024	164300	April 2024 Telephone Electric Dept
Midco	602-49450-32100	365.58	4/15/2024	164300	April 2024 Telephone Waste Water
Midco	602-49490-32100	36.93	4/15/2024	164300	April 2024 Telephone City Hall
Midco	604-49590-32100	202.84	4/15/2024	164300	April 2024 Telephone City Hall
Midco	601-49440-32100	60.51	4/15/2024	164300	April 2024 Telephone City Hall
Midco	601-49400-32100	365.49	4/15/2024	164300	April 2024 Telephone Water Plant
Midco		1,330.09			
Minn Municipal Utilities Association	604-49570-33100	1,070.00	4/15/2024	164281	underground school-fraser and TBD
Minn Municipal Utilities Association	604-49570-22300	89.00	4/26/2024	164378	lineman college change from e-workbook to bundle-fraser
Minn Municipal Utilities Association	604-49570-33100	630.00	5/13/2024	164550	New Ulm Workshp-miles and jesse
Minn Municipal Utilities Association		1,789.00			
Minnesota State Retirement System	602-00000-21811	2.09	4/24/2024	0	PR Batch 00002.04.2024 Health Savings Plan AFSCME
Minnesota State Retirement System	601-00000-21811	2.18	4/10/2024	0	PR Batch 00001.04.2024 Health Savings Plan AFSCME
Minnesota State Retirement System	602-00000-21811	2.08	4/10/2024	0	PR Batch 00001.04.2024 Health Savings Plan AFSCME
Minnesota State Retirement System	601-00000-21811	2.18	4/24/2024	0	PR Batch 00002.04.2024 Health Savings Plan AFSCME
Minnesota State Retirement System	604-00000-21811	3.23	4/24/2024	0	PR Batch 00002.04.2024 Health Savings Plan AFSCME
Minnesota State Retirement System	604-00000-21811	3.24	4/10/2024	0	PR Batch 00001.04.2024 Health Savings Plan AFSCME
Minnesota State Retirement System		15.00			
Mn Child Support Payment	604-00000-21720	314.72	4/10/2024	164157	PR Batch 00001.04.2024 HR
Mn Child Support Payment	604-00000-21720	352.09	4/24/2024	164355	PR Batch 00002.04.2024 HR

Last Name	Acct 1	Amount	Check Date	Check Num	Description
Mn Child Support Payment		666.81			
MN Council 65 AFSCME	604-00000-21807	15.55	4/10/2024	164158	PR Batch 00001.04.2024 Union Dues
MN Council 65 AFSCME	601-00000-21807	10.56	4/10/2024	164158	PR Batch 00001.04.2024 Union Dues
MN Council 65 AFSCME	602-00000-21807	10.00	4/10/2024	164158	PR Batch 00001.04.2024 Union Dues
MN Council 65 AFSCME		36.11			
MN Dept Of Revenue	601-00000-21802	1,656.58	4/24/2024	0	PR Batch 00002.04.2024 State Income Tax
MN Dept Of Revenue	604-00000-21802	2,093.76	4/10/2024	0	PR Batch 00001.04.2024 State Income Tax
MN Dept Of Revenue	604-00000-21802	2,181.62	4/24/2024	0	PR Batch 00002.04.2024 State Income Tax
MN Dept Of Revenue	602-00000-21802	884.43	4/24/2024	0	PR Batch 00002.04.2024 State Income Tax
MN Dept Of Revenue	601-00000-21802	1,647.14	4/10/2024	0	PR Batch 00001.04.2024 State Income Tax
MN Dept Of Revenue	602-00000-21802	855.35	4/10/2024	0	PR Batch 00001.04.2024 State Income Tax
MN Dept Of Revenue		9,318.88			
MN Energy Resources Corp.	602-49470-38300	565.43	4/26/2024	164379	gas utilities-indus
MN Energy Resources Corp.	601-49400-38300	2,298.79	4/26/2024	164379	gas utilities-warehouse
MN Energy Resources Corp.	602-49450-38300	5,360.60	4/26/2024	164379	gas utilities-solids
MN Energy Resources Corp.	604-49570-31200	1,082.18	5/2/2024	164427	Gas Utilities 03/18 to 04/15/2024 1120 Marcus St
MN Energy Resources Corp.	602-49450-38300	278.37	4/26/2024	164379	gas utilities-maintenance
MN Energy Resources Corp.	602-49450-38300	486.30	4/26/2024	164379	gas utilities-disposal
MN Energy Resources Corp.	602-49450-38300	641.08	4/26/2024	164379	gas utilities-headwork
MN Energy Resources Corp.	602-49450-38300	270.80	4/26/2024	164379	gas utilities-burner
MN Energy Resources Corp.		10,983.55			
Mn NCPERS Life Insurance	602-00000-21810	16.00	4/24/2024	164356	PR Batch 00002.04.2024 PERA Term Life
Mn NCPERS Life Insurance	604-00000-21810	48.00	4/24/2024	164356	PR Batch 00002.04.2024 PERA Term Life
Mn NCPERS Life Insurance	601-00000-21810	32.00	4/24/2024	164356	PR Batch 00002.04.2024 PERA Term Life
Mn NCPERS Life Insurance		96.00			
MN Pollution Control Agency	601-49400-31500	25.00	4/26/2024	164380	AQ annual fee 300 day st
MN Pollution Control Agency		25.00			
MN Valley Action Council	604-49595-43992	1,911.24	4/15/2024	164282	low income refrigerator and clothes washer rebate-GM
MN Valley Action Council		1,911.24			



Last Name	Acct 1	Amount	Check Date	Check Num	Description
MN Valley Testing Lab	602-49450-31400	73.38	4/26/2024	164381	bod cabonaceous tests
MN Valley Testing Lab	602-49450-31400	48.38	4/26/2024	164381	bod cabonaceous tests
MN Valley Testing Lab	602-49450-31400	73.38	4/26/2024	164381	bod cabonaceous tests
MN Valley Testing Lab	602-49450-31400	405.00	4/26/2024	164381	mercury tests
MN Valley Testing Lab	602-49450-31400	766.91	4/26/2024	164381	class A, EQ Biosolids tests
MN Valley Testing Lab	602-49450-31400	107.50	4/26/2024	164381	nitrogen tests
		<hr/>			
MN Valley Testing Lab		1,474.55			
MWOA	602-49490-33100	60.00	4/26/2024	164382	new ulm section meeting-aukes, young, powers
		<hr/>			
MWOA		60.00			
Napa Auto Fairmont Star Group LLC	604-49570-40500	3.37	5/13/2024	164551	#235 oil filter
Napa Auto Fairmont Star Group LLC	604-49570-40500	3.37	5/13/2024	164551	#222 oil filters
Napa Auto Fairmont Star Group LLC	604-49570-40500	10.11	5/13/2024	164551	#220, 221, 228 oil filters
		<hr/>			
Napa Auto Fairmont Star Group LLC		16.85			
National Industrial & Safety Supply	604-49570-22300	2,772.00	4/15/2024	164283	lime safety vests
National Industrial & Safety Supply	604-49570-22300	311.76	4/26/2024	164383	shop towel
		<hr/>			
National Industrial & Safety Supply		3,083.76			
Nelson Scott	604-49595-43987	25.00	4/15/2024	164284	residential clothes washer rebate
		<hr/>			
Nelson Scott		25.00			
Nemmers Troy	604-49595-43981	226.00	4/26/2024	0	residential AC rebate
Nemmers Troy	604-49595-43990	50.00	4/26/2024	0	residential furnace rebate
		<hr/>			
Nemmers Troy		276.00			
NeonLink LLC	604-49570-31200	631.87	5/13/2024	164552	Enerlyte Payment Services-april
NeonLink LLC	601-49400-31200	188.49	5/13/2024	164552	Enerlyte Payment Services-april
NeonLink LLC	602-49450-31200	115.04	5/13/2024	164552	Enerlyte Payment Services-april
		<hr/>			
NeonLink LLC		935.40			
North Central Laboratories	602-49450-31400	71.39	4/26/2024	164384	12/pk B-12D 50ML
North Central Laboratories	602-49450-31400	35.70	5/13/2024	164553	ammonia standard 100ppm

Last Name	Acct 1	Amount	Check Date	Check Num	Description
North Central Laboratories		107.09			
Northern Balance & Scale, Inc	602-49450-31400	201.00	5/13/2024	164554	scale calibration
Northern Balance & Scale, Inc		201.00			
O'Reilly Auto Parts	604-49570-40500	-10.00	5/13/2024	164555	#294 core return
O'Reilly Auto Parts	604-49570-40400	7.59	5/13/2024	164555	#290 license plate light
O'Reilly Auto Parts	604-49570-40500	41.51	5/13/2024	164555	#294 battery
O'Reilly Auto Parts	601-49400-40500	7.59	5/13/2024	164555	#678 license plate light
O'Reilly Auto Parts	602-49450-40500	-43.99	5/13/2024	164555	#441 ignition coil
O'Reilly Auto Parts	602-49450-40500	29.58	5/13/2024	164555	#453 clearance light, power steering fluid
O'Reilly Auto Parts		32.28			
Osuebi Okechukwu	604-00000-20200	3.84	4/1/2024	164097	Refund Check 012503-003, 311 Fairview Ave
Osuebi Okechukwu	604-00000-20200	3.50	4/1/2024	164097	Refund Check 012503-003, 311 Fairview Ave
Osuebi Okechukwu	604-00000-20200	51.98	4/1/2024	164097	Refund Check 012503-003, 311 Fairview Ave
Osuebi Okechukwu	602-00000-20200	7.46	4/1/2024	164097	Refund Check 012503-003, 311 Fairview Ave
Osuebi Okechukwu	602-00000-20200	3.98	4/1/2024	164097	Refund Check 012503-003, 311 Fairview Ave
Osuebi Okechukwu	602-00000-20200	14.70	4/1/2024	164097	Refund Check 012503-003, 311 Fairview Ave
Osuebi Okechukwu	604-00000-20200	0.12	4/1/2024	164097	Refund Check 012503-003, 311 Fairview Ave
Osuebi Okechukwu	601-00000-20200	4.39	4/1/2024	164097	Refund Check 012503-003, 311 Fairview Ave
Osuebi Okechukwu	601-00000-20200	26.19	4/1/2024	164097	Refund Check 012503-003, 311 Fairview Ave
Osuebi Okechukwu	601-00000-20200	13.17	4/1/2024	164097	Refund Check 012503-003, 311 Fairview Ave
Osuebi Okechukwu		129.33			
Ovivo USA, LLC	602-00000-16500	146,250.00	4/26/2024	164385	65% of steel cover - CIP - digester improvements - insurance
Ovivo USA, LLC		146,250.00			
PC Janitorial Supply	602-49450-43900	69.95	5/13/2024	164556	case paper towel
PC Janitorial Supply		69.95			
Plunkett's Pest Control, Inc.	604-49570-31200	143.26	5/13/2024	164557	pest control february-april 2024
Plunkett's Pest Control, Inc.	602-49450-31200	88.40	5/13/2024	164557	general pest control
Plunkett's Pest Control, Inc.		231.66			
Ponderosa Landfill	602-49450-38420	528.54	5/13/2024	164558	11.49 tons of waste disposal

Last Name	Acct 1	Amount	Check Date	Check Num	Description
Ponderosa Landfill	602-49450-38420	499.56	5/13/2024	164558	10.86 tons of waste disposal
Ponderosa Landfill		1,028.10			
Powers Brady	601-49440-32100	46.44	4/4/2024	164143	April 2024 Cell Phone Reimbursement
Powers Brady		46.44			
Prairieland Solid Waste Mgmt	602-49450-38420	333.51	5/13/2024	164559	tickets 88315, 88528, 88721
Prairieland Solid Waste Mgmt		333.51			
Public Utilities Comm	604-49595-43994	300.00	4/26/2024	164386	lamp and ballast money for May recycling
Public Utilities Comm	604-49595-43980	6.99	4/26/2024	164386	residential LED bulbs 23' cash rebate
Public Utilities Comm		306.99			
Public Utilities Commission	604-49570-40300	53.88	4/23/2024	164348	EV Charging Station 02/16 to 03/17/24 Wbgo Softball Complex
Public Utilities Commission		53.88			
Quality Flow Systems, Inc	602-00000-16500	35,220.00	5/13/2024	164560	NEMA 4X duplex control panel - CIP - lift station repair/rehab
Quality Flow Systems, Inc		35,220.00			
Resco	604-49570-22300	589.00	4/15/2024	164285	bar assembly
Resco	604-00000-14207	1,560.10	5/13/2024	164561	stingray195 transformer riser wire
Resco		2,149.10			
Retirement Association Public Employees	601-00000-21804	2,989.03	4/24/2024	0	PR Batch 00002.04.2024 PERA Employer
Retirement Association Public Employees	604-00000-21804	3,015.86	4/10/2024	0	PR Batch 00001.04.2024 PERA
Retirement Association Public Employees	602-00000-21804	1,406.86	4/10/2024	0	PR Batch 00001.04.2024 PERA
Retirement Association Public Employees	601-00000-21804	2,962.23	4/10/2024	0	PR Batch 00001.04.2024 PERA Employer
Retirement Association Public Employees	604-00000-21804	3,479.85	4/10/2024	0	PR Batch 00001.04.2024 PERA Employer
Retirement Association Public Employees	601-00000-21804	2,567.26	4/10/2024	0	PR Batch 00001.04.2024 PERA
Retirement Association Public Employees	602-00000-21804	1,623.29	4/10/2024	0	PR Batch 00001.04.2024 PERA Employer
Retirement Association Public Employees	604-00000-21804	3,101.33	4/24/2024	0	PR Batch 00002.04.2024 PERA
Retirement Association Public Employees	602-00000-21804	1,386.92	4/24/2024	0	PR Batch 00002.04.2024 PERA
Retirement Association Public Employees	601-00000-21804	2,590.50	4/24/2024	0	PR Batch 00002.04.2024 PERA
Retirement Association Public Employees	604-00000-21804	3,578.46	4/24/2024	0	PR Batch 00002.04.2024 PERA Employer
Retirement Association Public Employees	602-00000-21804	1,600.29	4/24/2024	0	PR Batch 00002.04.2024 PERA Employer

Last Name	Acct 1	Amount	Check Date	Check Num	Description
Retirement Association Public Employees		30,301.88			
River Bend Business Products	602-49490-20120	7.34	4/15/2024	164308	Office Supplies City Hall
River Bend Business Products	601-49440-20120	12.03	4/15/2024	164308	Office Supplies City Hall
River Bend Business Products	604-49590-20120	40.35	4/15/2024	164308	Office Supplies City Hall
River Bend Business Products		59.72			
Schiltz David	602-49450-32100	46.44	4/4/2024	164149	April 2024 Cell Phone Reimbursement
Schiltz David		46.44			
Schimmel John	604-49595-43990	50.00	4/15/2024	164286	residential furnace rebate
Schimmel John		50.00			
Schuster's Pressure Washer Sales	601-49430-40200	75.00	4/26/2024	164387	blaster nozzle 5.5
Schuster's Pressure Washer Sales		75.00			
Schwab Jesse	604-49595-43990	50.00	4/15/2024	164287	residential furnace rebate
Schwab Jesse		50.00			
Sensaphone	602-49470-40200	3,592.80	4/26/2024	164388	subscription renewal notice 4/15/2024
Sensaphone		3,592.80			
Squeegee Brothers	601-49400-31200	59.00	5/13/2024	164562	entry window cleaning
Squeegee Brothers		59.00			
Strickland Mary	604-00000-20200	136.41	4/1/2024	164098	Refund Check 017452-000, 656 Summit Dr #5
Strickland Mary		136.41			
Stuart C. Irby Co	604-49570-22300	550.00	5/13/2024	164563	tripsaver power supply
Stuart C. Irby Co	604-00000-14207	142.48	5/13/2024	164563	slip al tfmr conn
Stuart C. Irby Co		692.48			
Sunbelt Solomon Services, LLC	604-49570-40300	7,810.00	5/13/2024	164564	repair padmount transformer

Last Name	Acct 1	Amount	Check Date	Check Num	Description
Sunbelt Solomon Services, LLC		7,810.00			
Truck Center Companies East LLC	604-49570-40500	39.45	5/13/2024	164565	#229 hood strap
Truck Center Companies East LLC		39.45			
U C Laboratory, Inc	601-49400-31400	287.90	5/13/2024	164566	total coliform 4.2024
U C Laboratory, Inc		287.90			
UPS	601-49400-31400	79.14	4/26/2024	164389	mn dept of health sample
UPS		79.14			
Vantage Transfer - 301177	601-00000-21808	293.69	4/24/2024	0	PR Batch 00002.04.2024 ICMA
Vantage Transfer - 301177	601-00000-21808	58.70	4/24/2024	0	PR Batch 00002.04.2024 ICMA- Percent
Vantage Transfer - 301177	604-00000-21808	1,890.91	4/10/2024	0	PR Batch 00001.04.2024 ICMA
Vantage Transfer - 301177	602-00000-21808	60.85	4/10/2024	0	PR Batch 00001.04.2024 ICMA Payroll Roth IRA
Vantage Transfer - 301177	604-00000-21808	1,893.21	4/24/2024	0	PR Batch 00002.04.2024 ICMA
Vantage Transfer - 301177	602-00000-21808	126.47	4/24/2024	0	PR Batch 00002.04.2024 ICMA
Vantage Transfer - 301177	601-00000-21808	58.70	4/10/2024	0	PR Batch 00001.04.2024 ICMA- Percent
Vantage Transfer - 301177	604-00000-21808	248.03	4/10/2024	0	PR Batch 00001.04.2024 ICMA Loan Repayment
Vantage Transfer - 301177	601-00000-21808	163.89	4/10/2024	0	PR Batch 00001.04.2024 ICMA Payroll Roth IRA
Vantage Transfer - 301177	604-00000-21808	248.03	4/24/2024	0	PR Batch 00002.04.2024 ICMA Loan Repayment
Vantage Transfer - 301177	602-00000-21808	418.85	4/24/2024	0	PR Batch 00002.04.2024 ICMA- Percent
Vantage Transfer - 301177	601-00000-21808	107.21	4/24/2024	0	PR Batch 00002.04.2024 ICMA Loan Repayment
Vantage Transfer - 301177	602-00000-21808	126.12	4/10/2024	0	PR Batch 00001.04.2024 ICMA
Vantage Transfer - 301177	604-00000-21808	447.97	4/24/2024	0	PR Batch 00002.04.2024 ICMA Payroll Roth IRA
Vantage Transfer - 301177	602-00000-21808	60.85	4/24/2024	0	PR Batch 00002.04.2024 ICMA Payroll Roth IRA
Vantage Transfer - 301177	604-00000-21808	447.97	4/10/2024	0	PR Batch 00001.04.2024 ICMA Payroll Roth IRA
Vantage Transfer - 301177	602-00000-21808	418.85	4/10/2024	0	PR Batch 00001.04.2024 ICMA- Percent
Vantage Transfer - 301177	604-00000-21808	158.88	4/24/2024	0	PR Batch 00002.04.2024 ICMA- Percent
Vantage Transfer - 301177	604-00000-21808	158.88	4/10/2024	0	PR Batch 00001.04.2024 ICMA- Percent
Vantage Transfer - 301177	601-00000-21808	163.89	4/24/2024	0	PR Batch 00002.04.2024 ICMA Payroll Roth IRA
Vantage Transfer - 301177	601-00000-21808	107.21	4/10/2024	0	PR Batch 00001.04.2024 ICMA Loan Repayment
Vantage Transfer - 301177	601-00000-21808	293.17	4/10/2024	0	PR Batch 00001.04.2024 ICMA
Vantage Transfer - 301177		7,952.33			
Verizon Wireless	602-49450-32100	46.24	4/15/2024	164309	02/21 to 03/20/2024 Cell Phone WW Dept
Verizon Wireless	604-49570-32100	255.27	4/15/2024	164309	02/21 to 03/20/2024 Cell Phone Electric Dept
Verizon Wireless	601-49400-32100	220.26	4/15/2024	164309	02/21 to 03/20/2024 Cell Phone Water Dept

Last Name	Acct 1	Amount	Check Date	Check Num	Description
Verizon Wireless		521.77			
Voss Cleaning Services, Inc.	602-49450-31200	108.00	5/13/2024	164567	rug service-april
Voss Cleaning Services, Inc.	602-49450-31200	100.11	4/15/2024	164310	Janitorial & Rug Service April 2024 City Hall
Voss Cleaning Services, Inc.	601-49440-31200	164.03	4/15/2024	164310	Janitorial & Rug Service April 2024 City Hall
Voss Cleaning Services, Inc.	604-49570-31200	549.86	4/15/2024	164310	Janitorial & Rug Service April 2024 City Hall
Voss Cleaning Services, Inc.		922.00			
Waste Management Of So MN	602-49450-31200	2,713.27	5/13/2024	164568	prorated dumpster service-end
Waste Management Of So MN		2,713.27			
Wesco Receivables Corp.	604-00000-14207	6,324.15	5/13/2024	164569	pupi fiberglass crossarms
Wesco Receivables Corp.	604-00000-14207	2,101.44	4/26/2024	164390	arrester cutout bracket
Wesco Receivables Corp.	604-00000-14207	6,736.50	4/26/2024	164390	electrical fuses
Wesco Receivables Corp.	604-00000-14207	840.00	4/26/2024	164390	ground sleeves
Wesco Receivables Corp.	604-00000-14207	7,917.71	4/26/2024	164390	padmount systems cabinet and accessories
Wesco Receivables Corp.	604-00000-14207	217.50	4/26/2024	164390	cold shrink termination cable splice
Wesco Receivables Corp.	604-00000-14207	1,522.50	5/13/2024	164569	cold shrink
Wesco Receivables Corp.	604-00000-14207	4,650.00	4/26/2024	164390	14.4 kv smu-20
Wesco Receivables Corp.	604-00000-14207	14,820.00	4/26/2024	164390	fuses
Wesco Receivables Corp.	604-00000-14207	575.49	4/26/2024	164390	ground sleeves
Wesco Receivables Corp.		45,705.29			
Western Area Power Admin. US Dept of Energy	604-00000-20100	10,070.74	4/15/2024	164311	March 2024 Electric Service
Western Area Power Admin. US Dept of Energy		10,070.74			
Will Roger	604-00000-20200	47.65	4/1/2024	164099	Refund Check 010778-000, 1001 Pheasant Av 302
Will Roger		47.65			
		673,434.64			



Fairmont Public Utilities Commission  
May 21, 2024

Agenda Item: 8.1

**From:** Julie Zarling  
**To:** Public Utilities Commission

**Subject:** DER 2024-0001 Fordice/Birch St. Contract & Interconnection Agreement

**Policy/Action Requested:**

**Vote Required:**  Simple Majority       Roll Call

**Recommendation:** Approval

**Overview:**

Jeff Fordice is installing a solar Photovoltaic System at 1120 Birch St. The system proposal has been reviewed and approved by the Line Department and by Doug Harstad, Building Inspector.

Approval is recommended for the DER contract and agreement.

**Budget Impact:** N/A

**Attachments:** DER 2024-0001 application, contract, and agreement.

\*\*\*\*\*

PUC Action: \_\_\_\_\_ Date: \_\_\_\_\_

# Simplified Interconnection Application

Persons interested in applying for the interconnection of a distributed energy resource (DER) to the Utility's distribution system through the Simplified Process are to fill out this Simplified Interconnection Application. The Simplified Interconnection Application is to be used for inverter-based DER technologies with the capacity of 20 kW AC or less and is to be filled out completely by the Applicant. The Simplified Application shall be returned to the Utility with the requested material information and a non-refundable \$100 application fee.

Proposed DER interconnections to the Utility's distribution submitted under the Simplified Process may be moved into the Fast Track Process if engineering screens are failed during the Simplified Interconnection Application review. Timeline for review of the Simplified Application is as follows:

- Upon receipt of a Simplified Interconnection Application the Utility has 10 business days to review the application for completeness.
- If the application is deemed incomplete, the Utility shall notify the Applicant of what additional information material is required.
- The Applicant has 5 business days to return the missing information material or their application may lose its queue position and be deemed withdrawn.
- The Utility shall have a total of 20 business days to review the Simplified Interconnection Application, not including time waiting for additional information material to deem the application completed.
- The Utility will notify the Application if the proposed DER system is preliminary approved for interconnection or if the proposed DER system will need to be moved in the Fast Track Process.

## Checklist for Submission to Utility

*The items below shall be included with submittal of the Simplified Application to the Utility. Failure to include all items will deem the Simplified Application incomplete.*

	Included
\$100 Non-Refundable Simplified Application Fee	<input checked="" type="checkbox"/> Yes
One-line diagram – Details required on one-line diagram specified at the end of the interconnection application.	<input checked="" type="checkbox"/> Yes
All Certified Equipment Manufacturer Specification Sheets	<input checked="" type="checkbox"/> Yes
Site Layout Drawing	<input checked="" type="checkbox"/> Yes
Copy of Insurance Declaration page or other acceptable proof of insurance	<input checked="" type="checkbox"/> Yes

### Possible Additional Documentation

- If an Application Agent is being used for this project, the Site Layout Drawing must be signed by the Interconnection Customer indicating Site Control of the DER interconnection location.
- If the DER export capacity is limited, include information material explaining the limiting capabilities.
- If Energy Storage is included with the proposed DER system include the Energy Storage Application.



# Simplified Interconnection Application

## Interconnection Customer

Full Name (must match the name of the existing service account):

Dr. Jeff Fordice

Account Number:

010474-000

Meter Number:

94-176-455

Mailing Address:

1120 Birch Street

City:

Fairmont

State:

MN

Zip Code:

56031

Email:

daniel.j.fordice@gmail.com

Phone:

(218) 341-8545

## Application Agent

Is the Customer using an Application Agent for this application?

Yes

No

*If Interconnection Customer is not using an Application Agent, please skip to the next section.*

Application Agent:

Dena Webster

Company Name:

All Energy Solar

Email:

interconnection@allenergysolar.com

Phone:

651-315-7934

## For Office Use Only

Application ID:

Queue Number:

Date Received:

Application Fee Received:

Yes

No

Date Preliminary Approval Provided to Applicant:

## Distributed Energy Resource Information

Location (if different from mailing address of Interconnection Customer):

Will the Proposed DER system be interconnected to an existing electric service?

Yes

No

Is the Distributed Energy Resource a single generating unit or multiple?

Single

Multiple

DER Type (Check all that apply):

Solar Photovoltaic

Wind

Energy Storage

Combined Heat and Power

Solar Thermal

Other (please specify)

*DER systems with Energy Storage must also submit the Energy Storage Application to the Utility.*

Inverter Manufacturer:

Enphase

Model:

IQ8X-80-M-US

Phase Configuration of Proposed DER System:

Single

Three

Aggregate Inverter(s) Nameplate Rating:

9.12

kkkk<sub>aaaa</sub>

9.12

kkkkkk<sub>aaaa</sub>

Is the export capability of the DER limited?

Yes

No

*If the DER export capacity is limited, include information material explaining the limiting capabilities.*

Aggregate DER Capacity (the sum of nameplate capacity of all generation and storage devices at the PCC):

9.12

kkkk<sub>aaaa</sub>

Installed DER System Cost (before incentives):

\$46,683.00

Estimated Installation Date:

Summer 2024

## Equipment Certification

Is the DER equipment certified<sup>1</sup>?

Yes

No

*Please list all certified IEEE 1547 equipment below. Include all certified equipment manufacturer specification sheets with the Simplified Application submission.*

	Equipment Type	Certifying Entity
1	Inverter	UL 1741SB
2	Panels	UL 1703
3		

<sup>1</sup> Information regarding certified equipment can be found in Section 14 and Section 15 of the Overview Process document.



**Interconnection Agreement**

Proposed DER interconnections that are also deemed Qualifying Facilities under Minnesota Statutes §216B.164 are eligible to sign the Utility’s Uniform Contract for Cogeneration and Small Power Production Facilities. Included in this agreement are payment terms for excess power generated by the proposed DER system the Utility may purchase. In lieu of the Utility’s Uniform Contract for Cogeneration and Small Power Production Facilities, the Interconnection Customer may choose to instead sign the Municipal Minnesota Interconnection Agreement (MMIA).

The Interconnection Customer requests an MMIA to be executed in lieu of the Utility’s Uniform Contract for Cogeneration and Small Power Production Facilities.


Yes  No

**Disclaimers – Must be completed by Interconnection Customer**


	Initials
The Interconnection Customer has opportunities to request a timeline extension during the interconnection process. Failure by the Interconnection Customer to meet or request an extension for a timeline outlined in the Interconnection Process could result in a withdrawn queue position and the need to re-apply.	
Propose DER interconnection to the Utility’s distribution submitted under the Simplified Process may be moved into the Fast Track Process if engineering screens are failed during the Simplified Application review.	

**Application Signature – Must be completed by Interconnection Customer**

I designate the individual or company listed as my Application Agent to serve as my agent for the purpose of coordinating with the Area EPS Operators on my behalf throughout the interconnection process.

  
\_\_\_\_\_  
Initials

I hereby certify that, to the best of my knowledge, the information provided in this Application is true, and that I have appropriate Site Control in conformance with the Interconnection Process. I agree to abide by the Municipal Minnesota Distributed Energy Resource Interconnection Process (M-MIP) and return the Certificate of Completion when the DER has been installed.

DocuSigned by:  
 \_\_\_\_\_  
Applicant Signature: 4/18/2024  
Date:

**\*\*\*Please print clearly or type and return completed along with any additional documentation\*\*\***

### Information Required on One-Line Diagram

An Interconnection Application must include a site electrical one-line diagram showing the configuration of all Distributed Energy Resource equipment, current and potential circuits, and protection and control schemes. The one-line diagram shall include:

- Applicant name.
- Application ID.
- Installer name and contact information.
- Address where DER system will be installed - must match application address.
  - Be sure to list the address for the protective interface equipment if the protective interface equipment is located at a different address than the DER system.
- Correct positions of all equipment, including but not limited to panels, inverter, and DC/AC disconnect. Include distances between equipment, and any labeling found on equipment.

SOLAR'S MOST TRUSTED



# rec Alpha<sup>®</sup> Pure-RX Series

## Product Specifications

470 wp

22.6% Efficiency

21.0<sup>w</sup>/<sub>sq-ft</sub>



COMPACT PANEL Size

9 A module Current  
compatible with MLPE



ELIGIBLE



LEAD-FREE  
ROHS COMPLIANT

EXPERIENCE



PERFORMANCE



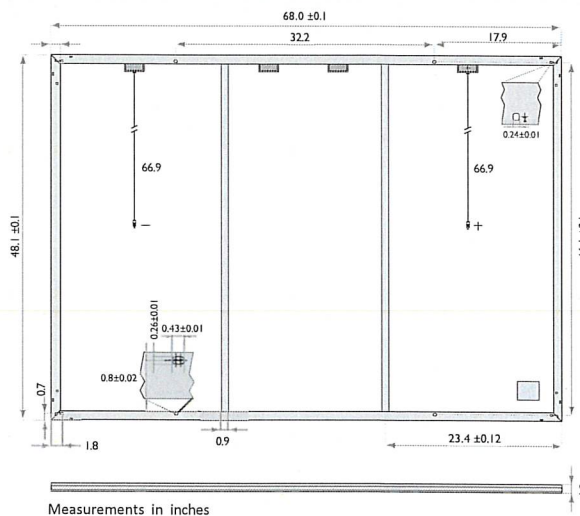
# REC Alpha Pure-RX Series

## Product SPECIFICATIONS



### GENERAL DATA

Cell type:	88 half-cut bifacial REC heterojunction cells with lead-free, gapless technology
Glass:	0.12 in solar glass with anti-reflective surface treatment in accordance with EN 12150
Backsheet:	Highly resistant polymer
Frame:	Anodized aluminum (black)
Junction box:	4-part, 4 bypass diodes, lead-free IP68 rated, in accordance with IEC 62790
Connectors:	Stäubli MC4 PV-KBT4/KST4 (12 AWG) in accordance with IEC 62852, IP68 only when connected
Cable:	12 AWG solar cable, 66.9 + 66.9 in in accordance with EN 50618
Dimensions:	68.0 x 48.1 x 1.2 in (22.4 sq-ft)
Weight:	51.6 lbs
Origin:	Made in Singapore



### ELECTRICAL DATA

Product Code\*: RECxxxAA Pure-RX

Power Output - $P_{MAX}$ (Wp)	450	460	470
Watt Class Sorting - (W)	0/+10	0/+10	0/+10
Nominal Power Voltage - $V_{MPP}$ (V)	54.3	54.9	55.4
Nominal Power Current - $I_{MPP}$ (A)	8.29	8.38	8.49
Open Circuit Voltage - $V_{OC}$ (V)	65.1	65.3	65.6
Short Circuit Current - $I_{SC}$ (A)	8.81	8.88	8.95
Power Density (W/sq-ft)	20.1	20.5	21.0
Panel Efficiency (%)	21.6	22.1	22.6

Power Output - $P_{MAX}$ (Wp)	343	350	358
Nominal Power Voltage - $V_{MPP}$ (V)	51.2	51.7	52.2
Nominal Power Current - $I_{MPP}$ (A)	6.70	6.77	6.86
Open Circuit Voltage - $V_{OC}$ (V)	61.3	61.6	61.8
Short Circuit Current - $I_{SC}$ (A)	7.11	7.17	7.23

Values at standard test conditions (STC: air mass AM 1.5, irradiance 1000 W/m<sup>2</sup>, temperature 77°F (25°C)), based on a production spread with a tolerance of  $P_{MAX}$ ,  $V_{OC}$  &  $I_{SC}$  ±3% within one watt class. Nominal module operating temperature (NMOT: air mass AM 1.5, irradiance 800 W/m<sup>2</sup>, temperature 68°F (20°C), windspeed 3.3 ft/s (1 m/s)). \* Where xxx indicates the nominal power class ( $P_{MAX}$ ) at STC above.

### MAXIMUM RATINGS

Operational temperature:	-40 ... +185°F
System voltage:	1000 V
Test load (front):	+7000 Pa (146.2 lbs/sq-ft)*
Test load (rear):	-4000 Pa (83.5 lbs/sq-ft)*
Series fuse rating:	25 A
Reverse current:	25 A

\* See installation manual for mounting instructions.  
Design load = Test load / 1.5 (safety factor)

### WARRANTY

	Standard	RECProTrust	
Installed by an REC Certified Solar Professional	No	Yes	Yes
System Size	All	≤25 kW	25-500 kW
Product Warranty (yrs)	20	25	25
Power Warranty (yrs)	25	25	25
Labor Warranty (yrs)	0	25	10
Power in Year 1	98%	98%	98%
Annual Degradation	0.25%	0.25%	0.25%
Power in Year 25	92%	92%	92%

The REC ProTrust Warranty is only available on panels purchased through an REC Certified Solar Professional installer. Warranty conditions apply. See [www.recgroup.com](http://www.recgroup.com) for more details.

Available from:

### CERTIFICATIONS

IEC 61215:2021, IEC 61730:2016, UL 61730	
IEC 62804	PID
IEC 61701	Salt Mist
IEC 62716	Ammonia Resistance
ISO 11925-2	Ignitability (EN 13501-1 Class E)
IEC 62782	Dynamic Mechanical Load
IEC 61215-2:2016	Hailstone (35mm)
IEC 62321	Lead-free acc. to RoHS EU 863/2015
UL 61730	Fire Type 2
ISO 14001, ISO 9001, IEC 45001, IEC 62941	



Declare.

### TEMPERATURE RATINGS\*

Nominal Module Operating Temperature:	44°C (±2°C)
Temperature coefficient of $P_{MAX}$ :	-0.24 %/°K
Temperature coefficient of $V_{OC}$ :	-0.24 %/°K
Temperature coefficient of $I_{SC}$ :	0.04 %/°K

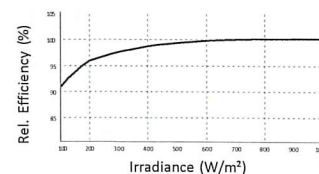
\*The temperature coefficients stated are linear values

### DELIVERY INFORMATION

Panels per pallet:	33
Panels per 40 ft GP/high cube container:	594 (18 pallets)
Panels per 53 ft truck:	792 (24 pallets)

### LOW LIGHT BEHAVIOUR

Typical low irradiance performance of module at STC:



Founded in 1996, REC Group is an international pioneering solar energy company dedicated to empowering consumers with clean, affordable solar power. As Solar's Most Trusted, REC is committed to high quality, innovation, and a low carbon footprint in the solar materials and solar panels it manufactures. Headquartered in Norway with operational headquarters in Singapore, REC also has regional hubs in North America, Europe, and Asia-Pacific.

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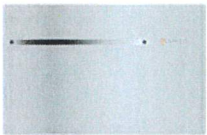




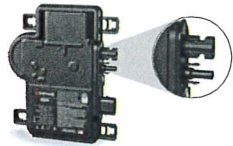
# IQ8X Microinverter

Our newest IQ8 Series Microinverters are the industry’s first microgrid-forming\*, software-defined microinverters with split-phase power conversion capability to convert DC power to AC power efficiently. The brain of the semiconductor-based microinverter is our proprietary application-specific integrated circuit (ASIC), which enables the microinverter to operate in grid-tied or off-grid mode. This chip is built using advanced 55-nm technology with high-speed digital logic and superfast response times to changing loads and grid events, alleviating constraints on battery sizing for home energy systems.

IQ8X Microinverter is the latest addition to this family, designed to support PV modules with high output DC voltage and cell counts, such as 80-half-cut cells, 88-half-cut cells and 96-cells.



Part of the Enphase Energy System, IQ8 Series Microinverters integrate with the IQ Battery, IQ Gateway, and the Enphase App monitoring and analysis software.



Connect PV modules quickly and easily to the IQ8 Series Microinverters with integrated MC4 connectors.



IQ8 Series Microinverters redefine reliability standards with more than one million cumulative hours of power-on testing, enabling an industry-leading limited warranty of up to 25 years.



IQ8 Series Microinverters are UL Listed as PV rapid shutdown equipment and conform with regulations when installed according to the manufacturer’s instructions.

\*Meets UL 1741 only when installed with IQ System Controller 2 or 3.

### Easy to install

- Lightweight and compact with plug-and-play connectors
- Power line communication (PLC) between components
- Faster installation with simple two-wire cabling

### High productivity and reliability

- Produces power even when the grid is down\*
- More than one million cumulative hours of testing
- Class II double-insulated enclosure
- Optimized for the latest high-powered PV modules

### Microgrid-forming

- Complies with the latest advanced grid support
- Remote automatic updates for the latest grid requirements
- Configurable to support a wide range of grid profiles
- Meets CA Rule 21 (UL 1741-SA) and IEEE 1547:2018 (UL 1741-SB)

### NOTE:

- IQ8 Series Microinverters cannot be mixed with previous generations of Enphase microinverters (IQ7 Series, IQ6 Series, and so on) in the same system.
- IQ Microinverters ship with default settings that meet North America’s IEEE 1547 interconnection standard requirements. Region-specific adjustments may be requested by an Authority Having Jurisdiction (AHJ) or utility representative, according to the IEEE 1547 interconnection standard. An IQ Gateway is required to make these changes during installation.