

**CITY OF FAIRMONT  
PUBLIC UTILITIES COMMISSION  
AGENDA**

**TUESDAY, MARCH 15, 2022**

1. CALL TO ORDER
  - 7:30 AM CITY HALL CONFERENCE ROOM ( SECOND FLOOR )  
In Person
  
2. ROLL CALL
  - CHAIR SEGAR \_\_\_\_\_
  - VICE-CHAIR MOLTZEN \_\_\_\_\_
  - SECRETARY JOHNSON \_\_\_\_\_
  - COMMISSIONER WERRE \_\_\_\_\_
  - COMMISSIONER STRUSS \_\_\_\_\_
  
- 3 APPROVAL OF MINUTES
  - REGULAR MEETING FEBRUARY 15, 2022 ( 1 )
  
- 4 FINANCIALS & PRODUCTION STATS FOR FEBRUARY 2022 ( 2 - 8 )
  
- 5 APPROVAL OF DISBURSEMENTS FOR FEBRUARY 2022 ( 9 - 27 )
  
- 6 2001 - 2021 SMMPA BE BRIGHT RESULTS ( 28 - 30 )
  
- 7 UPDATE ON FAIRMONT ENERGY STATION ( 31 - 35 )
  
- 8 UPDATE ON EV CHARGING STATIONS ( 36 )
  
- 9 DER 2022-0001 LEO DETERT CONTRACT & INTERCONNECTION AGREEMENT ( 37 - 102 )
  
- 10 OLD BUSINESS
  
- 11 NEW BUSINESS
  
- 12 DATE AND TIME OF NEXT MEETINGS:
  - WORK SESSION MEETING - TUESDAY, APRIL 5, 2022
  - REGULAR MEETING - TUESDAY, APRIL 19, 2022
  
- 13 ADJOURNMENT
  
- 14 ATTACHMENTS

# PUBLIC UTILITIES COMMISSION

## REGULAR MEETING

Tuesday, February 15, 2022  
7:30 A.M.  
City Hall Conference Room  
Meeting held in person

**IN ATTENDANCE:** Commissioners Moltzen, Struss, Johnson and Werre.

**ALSO IN ATTENDANCE:** Councilor Hasek, City Engineer/Public Works Director Nemmers, Assistant Finance Director Ziegler, Electric Supervisor Meixell, Water and Wastewater Superintendent Powers, and Wastewater Operations Supervisor Schiltz.

**ABSENT:** Chair Segar.

Vice-Chair Moltzen called the meeting to order at 7:34 a.m.

A motion was made by Mr. Johnson, seconded by Mr. Struss, and carried to approve the January 18, 2022 regular meeting minutes.

The annual election of officers was held for Chair, Vice-Chair and Secretary positions. A motion was made by Mr. Johnson, seconded by Mr. Struss, and carried to nominate and approve Mr. Segar as Chair. A motion was made by Mr. Werre, seconded by Mr. Struss, and carried to nominate and approve Ms. Moltzen as Vice Chair. A motion was made by Mr. Werre, seconded by Mr. Struss, and carried to nominate and approve Mr. Johnson as Secretary. PUC officers will serve until the annual elections in 2023.

Assistant Finance Director Ziegler presented the production statistics for December 2021. Discussion with no action taken.

Assistant Finance Director Ziegler presented the financial and capital expense reports and production stats for January 2022. Discussion with no action taken.

Assistant Finance Director Ziegler presented the disbursements for January 2022. Discussion was held. A motion was made by Mr. Struss, seconded by Mr. Johnson, and carried to approve the January 2022 disbursements.

City Engineer/Public Works Director Nemmers updated members on the Lime Pond project recent progress and discussed SCADA upgrades and server replacement at the Water plant.

There being no other business, it was moved by Mr. Struss, seconded by Mr. Werre, and approved to adjourn the meeting at 8:05 a.m.

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Brian Johnson, Secretary

FAIRMONT PUBLIC UTILITIES COMMISSION  
AGENDA ITEM CONTROL SHEET

MEETING DATE: MARCH 15, 2022 SCHEDULED TIME: 7:30 AM

REVIEWED BY: CHRIS ZIEGLER, ASSISTANT FINANCE DIRECTOR

SUBJECT: FINANCIAL REPORT& PRODUCTION STATS: FEBRUARY 2022

SUBJECT INITIATION:

       BY COUNCIL        BY COMMISSION   X   BY STAFF

SUBJECT BACKGROUND BY: CHRIS ZIEGLER

INTRODUCED BY: CHRIS ZIEGLER

TYPE OF ACTION:

       MOTION (VOICE VOTE)        DISCUSSION  
       RESOLUTION (ROLL CALL)   X   INFORMATION ONLY  
       HOLD PUBLIC HEARING        SET PUBLIC HEARING  
(MOTION TO CLOSE) (MOTION)

RECOMMENDED ACTION BY:        COMMISSION        COMMITTEE   X   PUC STAFF

       ISSUANCE        APPROVAL        AUTHORIZATION  
       DENIAL        REJECTION   X   NO ACTION NECESSARY

STATEMENT:

FINANCIAL REPORTS, STATS AND THE CAPITAL EXPENDITURE SUMMARY FOR FEBRUARY 2022 ARE INCLUDED FOR REVIEW.

ATTACHMENTS:

1. FEBRUARY FINANCIAL REPORT
2. CAPITAL EXPENDITURES SUMMARY
3. FEBRUARY 2022 PRODUCTION STATISTICS

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PUC ACTION: \_\_\_\_\_

AGENDA ITEM NO.   4  

DATE: \_\_\_\_\_

PAGE NO.   2

**FAIRMONT PUBLIC UTILITIES COMMISSION**  
**INCOME STATEMENT SUMMARY: 2022 & 2021**

\*NO DEPRECIATION

WATER DEPARTMENT	2022				2021			
	FEB	YTD	BUDGET	% BUDGET	FEB	YTD	BUDGET	% BUDGET
WATER DEPT REVENUE	\$541,616.10	\$1,009,280.63	\$4,839,135.00	20.86%	\$359,507.63	\$742,914.22	\$5,632,970.00	13.19%
FILTRATION PLANT EXPENSE	\$106,189.49	\$171,337.83	\$1,795,028.00	9.55%	\$126,642.92	\$194,737.42	\$1,454,514.00	13.39%
DISTRIBUTION EXPENSE	\$45,876.30	\$70,399.05	\$652,763.00	10.78%	\$83,522.25	\$116,003.29	\$634,064.00	18.30%
ADMINISTRATION EXPENSE	\$10,932.45	\$17,654.99	\$190,739.00	9.26%	\$24,402.16	\$31,690.44	\$177,315.00	17.87%
MISCELLANEOUS EXPENSE	\$160.00	\$233,791.72	\$1,444,263.00	16.19%	\$81,046.83	\$405,323.50	\$1,462,940.00	27.71%
TRANSFER OUT TO OTHER FUNDS	\$13,134.93	\$26,269.86	\$157,619.00	16.67%	\$12,452.25	\$24,904.50	\$149,427.00	16.67%
TOTAL WATER DEPT EXPENSE	\$176,293.17	\$519,453.45	\$4,240,412.00	12.25%	\$328,066.41	\$772,659.15	\$3,878,260.00	19.92%
WATER DEPT NET INCOME (LOSS)	\$365,322.93	\$489,827.18	\$598,723.00	81.81%	\$31,441.22	(\$29,744.93)	\$1,754,710.00	-1.70%

WASTEWATER DEPARTMENT	2022				2021			
	FEB	YTD	BUDGET	% BUDGET	FEB	YTD	BUDGET	% BUDGET
WASTEWATER DEPT REVENUE	\$386,454.10	\$644,142.33	\$2,913,732.00	22.11%	\$220,957.83	\$437,020.44	\$3,377,428.00	12.94%
TREATMENT PLANT EXPENSE	\$77,351.42	\$154,043.62	\$961,007.00	16.03%	\$90,478.55	\$153,253.61	\$897,114.00	17.08%
COLLECTION EXPENSE	\$40,622.20	\$53,832.97	\$405,968.00	13.26%	\$28,673.90	\$40,892.61	\$386,408.00	10.58%
ADMINISTRATION EXPENSE	\$6,854.07	\$11,262.83	\$137,405.00	8.20%	\$14,928.53	\$19,660.87	\$112,200.00	17.52%
MISCELLANEOUS EXPENSE	\$200.00	\$21,421.60	\$693,993.00	3.09%	\$53,522.24	\$134,009.27	\$707,280.00	18.95%
TRANSFER OUT TO OTHER FUNDS	\$8,420.29	\$16,840.58	\$101,044.00	16.67%	\$8,184.75	\$16,369.50	\$98,217.00	16.67%
TOTAL WASTEWATER DEPT EXPENSE	\$133,447.98	\$257,401.60	\$2,299,417.00	11.19%	\$193,787.97	\$364,185.86	\$2,201,219.00	16.54%
WASTEWATER DEPT NET INCOME (LOSS)	\$253,006.12	\$386,740.73	\$614,315.00	62.95%	\$27,169.86	\$72,834.58	\$1,176,209.00	6.19%

ELECTRIC DEPARTMENT	2022				2021			
	FEB	YTD	BUDGET	% BUDGET	FEB	YTD	BUDGET	% BUDGET
ELECTRIC DEPT REVENUE	\$1,227,538.79	\$2,650,707.55	\$17,231,820.00	15.38%	\$1,325,526.76	\$3,151,823.94	\$15,561,976.00	20.25%
PURCHASE POWER EXPENSE	\$914,983.68	\$1,897,718.01	\$11,735,206.00	16.17%	\$892,931.74	\$1,796,002.37	\$11,513,996.00	15.60%
DISTRIBUTION EXPENSE	\$111,997.44	\$166,505.62	\$1,627,711.00	10.23%	\$108,486.95	\$161,419.34	\$1,436,020.00	11.24%
ADMINISTRATION EXPENSE	\$47,139.74	\$76,399.36	\$705,018.00	10.84%	\$49,676.73	\$82,407.12	\$687,138.00	11.99%
MISCELLANEOUS EXPENSE	\$6,495.96	\$47,926.84	\$706,631.00	6.78%	\$45,297.64	\$118,449.73	\$668,692.00	17.71%
TRANSFER OUT TO OTHER FUNDS	\$56,778.12	\$113,556.24	\$681,337.00	16.67%	\$56,446.33	\$112,892.67	\$1,677,356.00	6.73%
TOTAL ELECTRIC DEPT EXPENSE	\$1,137,394.94	\$2,302,106.07	\$15,455,903.00	14.89%	\$1,152,839.39	\$2,271,171.23	\$15,983,202.00	14.21%
ELECTRIC DEPT NET INCOME (LOSS)	\$90,143.85	\$348,601.48	\$1,775,917.00	19.63%	\$172,687.37	\$880,652.71	(\$421,226.00)	-209.07%

3

**FAIRMONT PUBLIC UTILITIES - 2022 CAPITAL EXPENDITURES SUMMARY**

ACCT #	ELECTRIC DEPARTMENT	BUD AMT	YTD EXP	BUDGET BAL
604-00000-16300	Transformers	\$85,000		\$85,000
604-00000-16300	Automated Meter Infrastructure	\$300,000		\$300,000
604-00000-16300	Replace high voltage switches & Cable locator	\$88,000		\$88,000
604-00000-16300	Underground Conductors	\$85,000		\$85,000
604-00000-16300	2022 Street Improvement Projects	\$10,000		\$10,000
604-00000-16300	Downtown Lighting/Signs/Bollard replacements	\$50,000		\$50,000
604-00000-16400	Track skid loader w/attachments	\$87,000		\$87,000
604-00000-16440	Replace vehicles	\$35,000		\$35,000
604-00000-16300	Veteran's Park lighting improvements	\$12,500		\$12,500
604-00000-16420	Label maker and software	\$5,000	\$3,761.74	\$1,238
604-00000-16300	Replace Power plant transformer with SMMPA	\$1,000,000		\$1,000,000
	Contingency	\$20,000		\$20,000
	<b>TOTAL CAPITAL EXPENDITURES</b>	<b>\$1,777,500</b>	<b>\$3,762</b>	<b>\$1,773,738</b>

ACCT #	WATER DEPARTMENT	BUD AMT	YTD EXP	BUDGET BAL
601-00000-16300	Automated Meter Infrastructure	\$600,000	\$510,768.61	\$89,231
601-00000-16420	SCADA and PC replacements	\$115,000		\$115,000
601-00000-16400	Purchase leak locating equipment	\$16,000		\$16,000
601-00000-16440	Replace truck #61	\$55,000		\$55,000
601-00000-16500	Lead and Copper rule assessment/replacements	\$25,000		\$25,000
	Misc. Capital Items	\$5,000		\$5,000
	Water Contingency	\$20,000		\$20,000
601-00000-16500	2022 Improvement Project	\$25,000		\$25,000
601-00000-16500	2021 County Road (CSAH) 39 Project	\$0	\$194,881.88	(\$194,882)
	<b>TOTAL CAPITAL EXPENDITURES</b>	<b>\$861,000</b>	<b>\$705,650</b>	<b>\$155,350</b>

ACCT #	WASTEWATER DEPARTMENT	BUD AMT	YTD EXP	BUDGET BAL
602-00000-16300	Lift Station Rehab	\$100,000	\$54,170.00	\$45,830
602-00000-16300	Lake Park Blvd Lift Station upgrades	\$120,000		\$120,000
602-00000-16300	Sliplining/manhole rehab projects	\$225,000		\$225,000
602-00000-16300	Contract jetting of large diameter mains	\$15,000		\$15,000
602-00000-16200	Digester cleaning and repairs	\$100,000		\$100,000
602-00000-16200	UV/Solids handling upgrade project	\$1,200,000		\$1,200,000
602-00000-16200	Bar Screen replacement	\$750,000		\$750,000
602-00000-16440	Replace truck	\$55,000		\$55,000
602-00000-16200	Control Building boiler/AC replacement	\$25,000		\$25,000
602-00000-16200	Polymer blend system (2)	\$25,000		\$25,000
602-00000-16200	Effluent sampler	\$10,000		\$10,000
	Wastewater Contingency	\$20,000		\$20,000
	Misc Capital items	\$5,000		\$5,000
602-00000-16500	2022 Improvement Project	\$25,000		\$25,000
602-00000-16500	2021 County Road (CSAH) 39 Project	\$0	\$194,881.88	(\$194,882)
	<b>TOTAL CAPITAL EXPENDITURES</b>	<b>\$2,675,000</b>	<b>\$249,052</b>	<b>\$2,425,948</b>

4

# FAIRMONT PUBLIC UTILITIES

## ELECTRIC DEPT STATISTICAL COMPARISON - FEBRUARY

ACCOUNT #	DESCRIPTION	FEB KWH 2022	FEB KWH 2021	FEB REVENUE 2022	FEB REVENUE 2021
604-37400-37411	Residential Light Sales	2,222,338	2,424,210	\$253,278.08	\$274,524.76
604-37400-37412	Residential Heat Sales	849,925	966,930	\$88,413.83	\$99,990.58
604-37400-37413	Commercial Service Sales	1,845,212	1,872,387	\$197,434.22	\$200,371.25
604-37400-37414	Seasonal Commercial Heat Sales	262,652	231,861	\$18,663.30	\$16,472.19
604-37400-37415	General Service Sales	1,227,098	1,220,728	\$115,638.05	\$117,674.01
604-37400-37416	Industrial Sales	3,882,827	4,382,255	\$356,544.18	\$385,904.84
604-37400-37417	All Electric Sales	842,662	942,745	\$62,627.44	\$69,156.13
604-37400-37418	Rural Electric Sales	285,515	356,531	\$29,801.19	\$39,466.09
604-37400-37420	Filter Plant Power	114,400	104,000	\$7,607.60	\$6,916.00
604-37400-37421	WW Treatment Plant Power	105,774	110,342	\$7,033.97	\$7,337.74
604-37400-37423	Municipal Street Lighting	43,595	49,041	\$3,269.64	\$3,678.08
604-37400-37426	Security & Street Lighting	4,069	4,666	\$879.98	\$879.98
604-37400-37419	Energy Cost Adjustment			\$77,418.38	\$84,362.34
<b>TOTAL SALES</b>		<b>11,686,067</b>	<b>12,665,696</b>	<b>\$ 1,218,609.86</b>	<b>\$ 1,306,733.99</b>

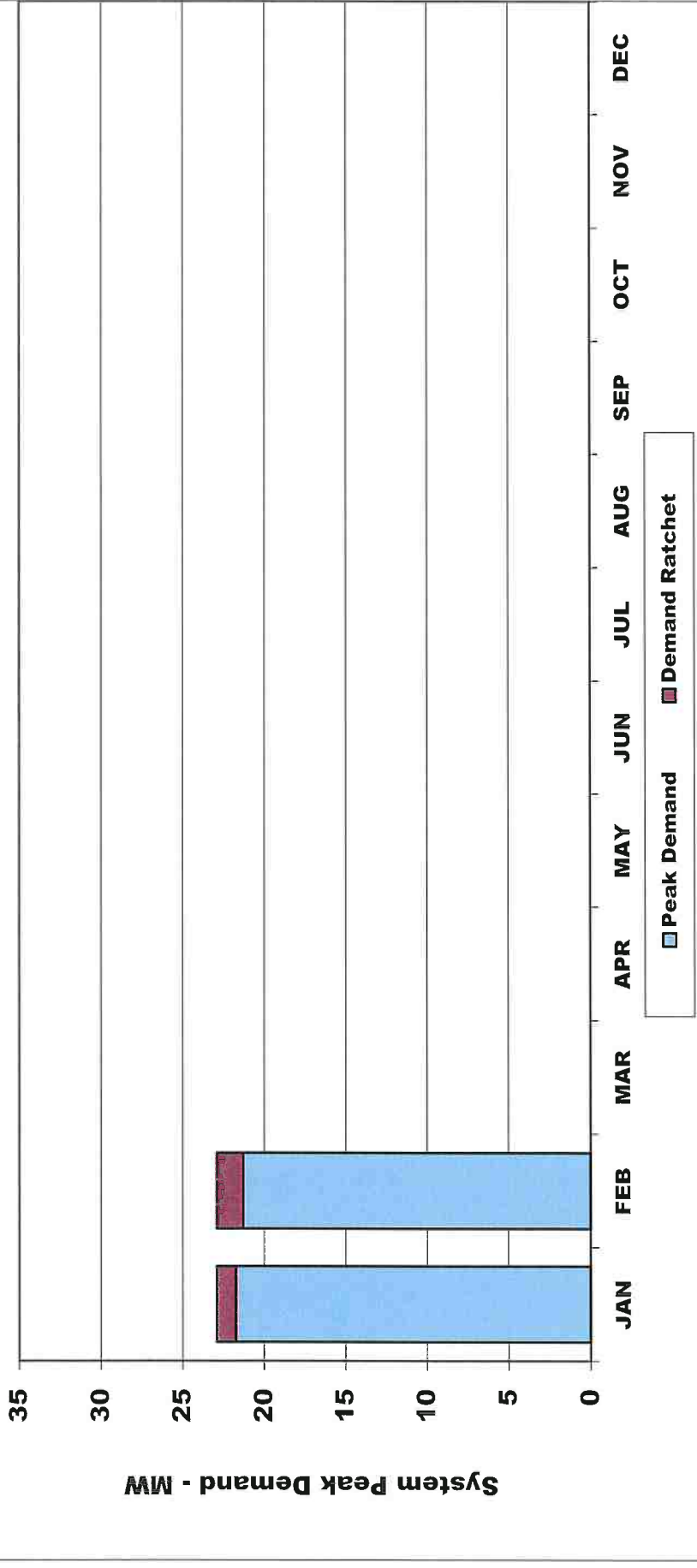
ELECTRIC PURCHASES	2022	2021
<b>TIE LINE - SMMPA 69 KV (BILLED)</b>	<b>11,601,902</b>	<b>11,529,935</b>
<b>TIE LINE - WAPA 69 KV (BILLED)</b>	<b>287,000</b>	<b>287,000</b>
<b>TOTAL PURCHASES (69 KV)</b>	<b>11,888,902</b>	<b>11,816,935</b>

PERCENTAGE OF LOSSES	
2022	2021

<b>69 KV TRANSMISSION &amp; TRANSFORMATION LOSSES</b>	<b>(3,007,646)</b>	<b>(1,317,635)</b>	<b>-25.30%</b>	<b>-11.15%</b>
<b>TOTAL CALC KWH LOAD</b>	<b>14,896,548</b>	<b>13,134,570</b>		
<b>TOTAL ENERGY SALES</b>	<b>11,686,067</b>	<b>12,665,696</b>		
<b>DISTRIBUTION SYSTEM LOSSES</b>	<b>3,210,481</b>	<b>468,874</b>	<b>21.55%</b>	<b>3.57%</b>
<b>NET LOSSES</b>			<b>-3.75%</b>	<b>-7.58%</b>

(5)

# City of Fairmont Demand Ratchet Costs - 2022



	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PEAK DEMAND	21,724	21,284										
RATCHET DEMAND	22,897	22,897										
DIFFERENCE	1,173	1,613	0	0	0	0	0	0	0	0	0	0
RATCHET COST	\$12,844	\$17,662	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**TOTAL RATCHET COSTS** **\$30,506**

2022 ESTIMATED RATCHET COST = \$  
 JAN - MAY: RATCHET BASED ON SYSTEM PEAK OF 30,753 SET ON JULY 19  
 JUN - SEP: ANNUAL PEAK MEASUREMENT PERIOD.  
 OCT-DEC: RATCHET BASED ON SYSTEM PEAK SET SUMMER OF 2022. (TBD)  
 Ratchet is 74% of peak demand.



**PUBLIC UTILITIES COMMISSION WATER DEPARTMENT STATISTICS FOR 2022**

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
FINISHED WATER	37,655,769	38,070,491										
RAW WATER	38,386,267	38,835,059										
LESS HOUSE WATER	1,925,504	1,831,424										
LESS DOMESTIC WATER	31,600	11,400										
<b>NET FINISHED WATER</b>	<b>36,429,163</b>	<b>36,992,235</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>	<b>0</b>	<b>0</b>
RESIDENTIAL SALES	15,245,992	11,156,702										
COMMERCIAL SALES	9,495,111	8,877,566										
INDUSTRIAL SALES	13,861,367	9,021,483										
<b>TOTAL WATER SALES</b>	<b>38,602,470</b>	<b>29,055,751</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>	<b>0</b>	<b>0</b>
ACCOUNTED LOSS	160,250	3,201,500										
UNACCOUNTED LOSS	(2,333,557)	4,734,984										
% OF NET FINISHED WATER	-6.41%	12.44%										
PEAK DAY VOL	1,413,918	1,707,392										
PEAK DATE	01/29/22	02/12/22										
AVERAGE DAY VOL	1,214,702	1,359,660										
RESIDENTIAL SALES \$\$	\$242,364.48	\$213,859.84										
COMMERCIAL SALES \$\$	\$97,011.93	\$93,001.89										
INDUSTRIAL SALES \$\$	\$80,969.70	\$52,099.20										
<b>TOTAL SALES \$\$\$</b>	<b>\$420,366.11</b>	<b>\$358,960.93</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>

**WATER DEPARTMENT TOTALS YEAR TO DATE**

	2022	2021
FINISHED WATER	75,726,260	74,078,035
RAW WATER	77,221,326	77,996,484
- HOUSE WATER	3,756,928	3,792,960
- DOMESTIC WATER	43,000	39,600
NET FINISHED WATER	73,421,398	74,163,924
RESIDENTIAL SALES	26,402,694	27,808,183
COMMERCIAL SALES	18,372,677	13,895,612
INDUSTRIAL SALES	22,882,850	17,788,629
TOTAL WATER SALES	67,658,221	59,492,424
ACCOUNTED LOSSES	3,361,750	662,650
UNACCOUNTED LOSSES	2,401,427	14,008,850
% OF NET FINISHED WATER	3.27%	18.89%
YTD RESIDENTIAL SALES \$	\$456,224.32	\$417,145.83
YTD COMMERCIAL SALES \$	\$190,013.82	\$143,490.76
YTD INDUSTRIAL SALES \$	\$133,088.90	\$99,875.00
YTD WATER SALES TOTAL \$	\$779,327.04	\$660,512.59
REVENUE PER GALLON SOLD	\$0.011519	\$0.011102
2022/2021	1.03748	1.18764

7







AP  
PUC CHECKS

User: cziegler  
Printed: 3/9/2022 2:43:52 PM



Last Name	Acct 1	Amount	Check Date	Check Num	Description
Advanced Engineering & Environmental Services, LLC	601-49400-31200	2,037.94	2/23/2022	154867	On going I&C support 1/1/22-1/28/22
Advanced Engineering & Environmental Services, LLC	602-49450-31200	1,358.00	2/23/2022	154867	I&C System Services 1/22-1/28
Advanced Engineering & Environmental Services, LLC	602-49450-40400	3,395.94	2/23/2022	154868	Core
Alpha Radiator	604-49570-22300	105.49	2/23/2022	154869	Grounding clamps
Altec Industries Inc	604-49570-40500	4,245.53	3/9/2022	154969	#24 repairs to boom
Altec Industries Inc	604-49570-43900	683.19	3/9/2022	154969	Disconnect head stick, switch stich, extendo slick spray
Altec Industries Inc	601-49400-43900	5,034.21	2/23/2022	154870	Acetylene gas
American Welding & Gas, Inc.	604-49570-40400	81.03	3/9/2022	154970	Acetylene, oxygen, spec gas
American Welding & Gas, Inc.	604-49570-40400	87.96	3/9/2022	154970	Acetylene, oxygen, spec gas
American Welding & Gas, Inc.	601-49400-31200	274.30	2/23/2022	154871	Laundrying services
Aramark Uniform Services	604-49570-40500	10.49	3/9/2022	154971	#235-p clamps
Arnold Motor Supply	604-49595-43901	118.98	2/23/2022	154872	Commercial LED Light rebate -W Boiler
Avery Weigh-Tronix LLC	604-49595-43901	1,170.00	2/23/2022	154872	Commercial LED Light rebate -lamps 2019

# 601-WTR; 602-WWTR: 604-ELEC

Last Name	Acct I	Amount	Check Date	Check Num	Description
Avery Weigh-Tronix LLC		1,288.98			
Baker Matt	604-49595-43982	1,206.00	2/23/2022	154873	Mini Split ASHP Rebate
Baker Matt		1,206.00			
Beemer Companies	602-49470-40200	2,655.00	3/9/2022	154972	Removal of mixer motor assembly in sludge sig basin
Beemer Companies	602-49470-40200	14,527.61	3/9/2022	155064	equipment/labor for sewer force main dig
Beemer Companies		17,182.61			
Bevcomm Inc	604-49570-32100	1.71	2/4/2022	154664	Feb 2022 Telephone
Bevcomm Inc	601-49400-32100	4.78	2/4/2022	154664	Feb 2022 Telephone
Bevcomm Inc	602-49450-32100	1.71	2/4/2022	154664	Feb 2022 Telephone
Bevcomm Inc	601-49400-32100	24.66	2/4/2022	154664	Feb 2022 Telephone
Bevcomm Inc	602-49450-32100	15.80	2/4/2022	154664	Feb 2022 Telephone
Bevcomm Inc	604-49570-32100	106.57	2/4/2022	154664	Feb 2022 Telephone
Bevcomm Inc		155.23			
Blom Cindy	604-49595-43990	50.00	2/23/2022	154874	Furnace Fan Motor Rebate
Blom Cindy		50.00			
Bockett Building Supply	602-49450-43900	33.12	2/23/2022	154875	Closet pole
Bockett Building Supply	602-49450-40200	1,081.81	3/9/2022	154973	Counter top, sink
Bockett Building Supply	602-49450-43900	38.56	3/9/2022	155065	2x4x8
Bockett Building Supply		1,153.49			
Bongaars Supply	602-49470-43900	30.28	2/23/2022	154876	flux, pliers
Bongaars Supply	602-49450-43900	7.99	2/23/2022	154876	3/4 socket
Bongaars Supply	602-49450-43900	32.90	2/23/2022	154876	grease
Bongaars Supply	601-49400-31400	27.76	2/23/2022	154876	vinegar
Bongaars Supply	602-49450-43900	12.52	2/23/2022	154876	vinyl tubing, pressure pipe, hose clamp
Bongaars Supply	602-49470-43900	16.11	2/23/2022	154876	pipe, coupling, plug, fasteners
Bongaars Supply	602-49470-43900	4.99	2/23/2022	154876	RTV Gasket
Bongaars Supply	602-49450-43900	61.97	2/23/2022	154876	garbage bags, shop towels
Bongaars Supply	601-49430-43900	18.97	2/23/2022	154876	batteries
Bongaars Supply		213.49			



# 601-WTR; 602-WWTR; 604-ELEC

Last Name	Acct I	Amount	Check Date	Check Num	Description
Brady Worldwide Inc.	604-00000-16420	850.24	2/23/2022	154877	Facility ID Starter Kit
Brady Worldwide Inc.	604-00000-16420	2,911.50	2/23/2022	154877	Safety BWS SFID Suite Kit
Brady Worldwide Inc.		3,761.74			
Cardmember Services	604-49570-43760	1,249.32	2/3/2022	154649	Uniforms Electric Dept
Cardmember Services	604-49570-33100	112.74	2/3/2022	154649	MMUA Mtg Miles Baxter, MN
Cardmember Services	604-49570-40300	114.98	2/3/2022	154649	Gen Purpose Relay 8 Pin Octal, 110VDC (3)
Cardmember Services	604-49590-20120	31.05	2/3/2022	154649	Office Supplies Labels
Cardmember Services		1,508.09			
Carquest Auto Parts Stores	604-49570-40400	7.47	3/9/2022	154974	#225-plow pipe nipple
Carquest Auto Parts Stores	601-49400-43900	24.62	3/9/2022	154974	clay absorbent
Carquest Auto Parts Stores	604-49570-40500	52.68	3/9/2022	154974	#225-hyd hose made
Carquest Auto Parts Stores	604-49570-40500	10.19	3/9/2022	154974	#225 Flasher
Carquest Auto Parts Stores	602-49450-40500	-22.10	3/9/2022	154974	#448 return serp belt
Carquest Auto Parts Stores	604-49570-40400	116.57	3/9/2022	154974	#235-Battery
Carquest Auto Parts Stores		189.43			
Cintas Corporation	604-49570-43760	1,376.16	3/9/2022	154975	Laundrying of uniforms
Cintas Corporation		1,376.16			
Colonial Life	604-00000-21812	175.33	2/2/2022	154554	PR Batch 00001.02.2022 Colonial Disability
Colonial Life	602-00000-21812	152.99	2/2/2022	154554	PR Batch 00001.02.2022 Colonial Disability
Colonial Life	601-00000-21812	212.84	2/2/2022	154554	PR Batch 00001.02.2022 Colonial Disability
Colonial Life	604-00000-21812	129.52	2/2/2022	154554	PR Batch 00001.02.2022 Colonial Life Insurance
Colonial Life	602-00000-21812	75.42	2/2/2022	154554	PR Batch 00001.02.2022 Colonial Life Insurance
Colonial Life	601-00000-21812	94.05	2/2/2022	154554	PR Batch 00001.02.2022 Colonial Life Insurance
Colonial Life	602-00000-21812	59.84	2/2/2022	154554	PR Batch 00001.02.2022 Colonial Group Accident
Colonial Life	604-00000-21812	41.94	2/2/2022	154554	PR Batch 00001.02.2022 Colonial Group Accident
Colonial Life	601-00000-21812	60.77	2/2/2022	154554	PR Batch 00001.02.2022 Colonial Group Accident
Colonial Life	601-00000-21812	61.21	2/2/2022	154554	PR Batch 00001.02.2022 Colonial Cancer
Colonial Life	602-00000-21812	38.48	2/2/2022	154554	PR Batch 00001.02.2022 Colonial Cancer
Colonial Life	604-00000-21812	50.85	2/2/2022	154554	PR Batch 00001.02.2022 Colonial Cancer
Colonial Life	601-00000-21812	18.95	2/2/2022	154554	PR Batch 00001.02.2022 Colonial GroupSpecifiedDisease
Colonial Life	604-00000-21812	5.13	2/2/2022	154554	PR Batch 00001.02.2022 Colonial GroupSpecifiedDisease
Colonial Life	602-00000-21812	14.41	2/2/2022	154554	PR Batch 00001.02.2022 Colonial GroupSpecifiedDisease
Colonial Life	604-00000-21812	175.35	2/16/2022	154804	PR Batch 00002.02.2022 Colonial Disability
Colonial Life	602-00000-21812	152.98	2/16/2022	154804	PR Batch 00002.02.2022 Colonial Disability
Colonial Life	601-00000-21812	212.86	2/16/2022	154804	PR Batch 00002.02.2022 Colonial Disability



# 601-WTR; 602-WWTR; 604-ELEC

Last Name	Acct 1	Amount	Check Date	Check Num	Description
Colonial Life	604-00000-21812	129.52	2/16/2022	154804	PR Batch 00002.02.2022 Colonial Life Insurance
Colonial Life	602-00000-21812	75.42	2/16/2022	154804	PR Batch 00002.02.2022 Colonial Life Insurance
Colonial Life	601-00000-21812	94.05	2/16/2022	154804	PR Batch 00002.02.2022 Colonial Life Insurance
Colonial Life	602-00000-21812	59.87	2/16/2022	154804	PR Batch 00002.02.2022 Colonial Group Accident
Colonial Life	601-00000-21812	60.73	2/16/2022	154804	PR Batch 00002.02.2022 Colonial Group Accident
Colonial Life	604-00000-21812	41.92	2/16/2022	154804	PR Batch 00002.02.2022 Colonial Group Accident
Colonial Life	601-00000-21812	61.21	2/16/2022	154804	PR Batch 00002.02.2022 Colonial Group Accident
Colonial Life	604-00000-21812	50.87	2/16/2022	154804	PR Batch 00002.02.2022 Colonial Cancer
Colonial Life	602-00000-21812	38.48	2/16/2022	154804	PR Batch 00002.02.2022 Colonial Cancer
Colonial Life	601-00000-21812	18.95	2/16/2022	154804	PR Batch 00002.02.2022 Colonial Cancer
Colonial Life	602-00000-21812	14.41	2/16/2022	154804	PR Batch 00002.02.2022 Colonial Group Specified Disease
Colonial Life	604-00000-21812	5.13	2/16/2022	154804	PR Batch 00002.02.2022 Colonial Group Specified Disease
Colonial Life		<u>2,383.48</u>			
Core & Main LP	601-49430-40200	839.30	2/23/2022	154878	4x15 Rep clip
Core & Main LP	601-49430-40200	587.17	2/23/2022	154878	6x15 Rep Clip
Core & Main LP	601-49430-43900	750.96	3/9/2022	154976	4x15 rep clip, 8x20 rep clip
Core & Main LP		<u>2,177.43</u>			
Crown Equipment Corporation	601-49400-43900	74.00	3/9/2022	154977	Planned maint for WP series
Crown Equipment Corporation		<u>74.00</u>			
Cummins Sales and Service	601-49400-31200	3,972.60	3/9/2022	154978	repairs on generator
Cummins Sales and Service		<u>3,972.60</u>			
Day Plumbing Heating & Cooling, Inc.	601-49400-43900	10.21	2/23/2022	154879	bushings
Day Plumbing Heating & Cooling, Inc.	601-49400-43900	208.04	2/23/2022	154879	fittings
Day Plumbing Heating & Cooling, Inc.		<u>218.25</u>			
Denny Troy	601-49400-31400	100.40	2/23/2022	154880	Shipping
Denny Troy	601-49400-31400	42.00	2/23/2022	154880	Shipping
Denny Troy	602-49450-43900	105.00	3/9/2022	154979	Shipping
Denny Troy		<u>247.40</u>			
Dulcimer Medical Center	601-49440-30500	74.30	3/9/2022	154980	Random DOT Drug & Alcohol - Water

13



Last Name	Acct 1	Amount	Check Date	Check Num	Description
Dulcimer Medical Center		74.30			
DVS Renewal	604-49570-40500	19.25	2/3/2022	154651	Electric #294 Interduct Trailer #187984
DVS Renewal	604-49570-40500	19.25	2/3/2022	154651	2013 Electric Dept Redi Trailer
DVS Renewal	604-49570-40500	19.25	2/3/2022	154651	Electric 294 Single Reel Interduct Trailer
DVS Renewal	602-49450-40500	19.25	2/4/2022	154667	2002 Ford Ranger Waste Water 123935
DVS Renewal	601-49430-40500	19.25	2/4/2022	154667	Water Dept 1997 Chev GM4
DVS Renewal	602-49450-40500	19.25	2/4/2022	154667	2017 HHTR TRL Waste Water 189608
DVS Renewal	604-49570-40500	19.25	2/4/2022	154667	2006 REDI TRL Electric Dept #197650
DVS Renewal	604-49570-40500	19.25	2/4/2022	154667	Electric Dept 2011 Redi TRL #197657
DVS Renewal	604-49570-40500	19.25	2/4/2022	154667	Electric Dept 2005 Ford DRW #909667
DVS Renewal	604-49570-40500	19.25	2/4/2022	154667	2009 PRHT FM2 913283 Electric Dept
DVS Renewal	601-49430-40500	19.25	2/4/2022	154667	2004 Ford CYP #913299 Water Dept
DVS Renewal	601-49430-40500	19.25	2/4/2022	154667	Water Dept 1987 FORD #940600
DVS Renewal	604-49570-40500	19.25	2/4/2022	154667	2017 Dodge Car #957237 Electric Dept
DVS Renewal	604-49570-40500	19.25	2/4/2022	154686	Elec Dept #961638 2018 CHEV EXP
DVS Renewal	601-49430-40500	19.25	2/4/2022	154686	Water Dept #662 2002 STRG 999 #970629
DVS Renewal	604-49570-40500	19.25	2/4/2022	154702	2016 MCEL TRL Electric Dept 188906
DVS Renewal	602-49450-40500	19.25	2/4/2022	154702	2007 DOOL TRL Waste Water 197651
DVS Renewal	602-49450-40500	19.25	2/4/2022	154702	2017 HH TRL 200099 Waste Water
DVS Renewal	602-49450-40500	19.25	2/4/2022	154702	1997 FORD #909666 Waste Water
DVS Renewal	602-49450-40500	19.25	2/4/2022	154702	2005 FORD CAB Waste Water 909669
DVS Renewal	604-49570-40500	19.25	2/4/2022	154702	2017 RAM RCH #957238 Waste Water
DVS Renewal	604-49570-40500	19.25	2/10/2022	154769	License Tab Renewal 123844
DVS Renewal	604-49570-40500	19.25	2/10/2022	154769	License Tab Renewal 123936
DVS Renewal	604-49570-40500	19.25	2/10/2022	154769	License Tab Renewal 197630
DVS Renewal	604-49570-40500	19.25	2/10/2022	154769	License Tab Renewal 197634
DVS Renewal	604-49570-40500	19.25	2/10/2022	154769	License Tab Renewal 197636
DVS Renewal	604-49570-40500	19.25	2/10/2022	154769	License Tab Renewal 913264
DVS Renewal	604-49570-40500	19.25	2/10/2022	154769	License Tab Renewal 963802
DVS Renewal	601-49430-40500	19.25	2/18/2022	154853	Renew License Tabs 2001 Ford F350
DVS Renewal	601-49430-40500	19.25	2/18/2022	154853	Renew License Tabs 2007 Ford Ranger
DVS Renewal	601-49430-40500	19.25	2/18/2022	154853	Renew License Tabs 2002 Ford 4 x 2
DVS Renewal		596.75			
EFTPS	604-00000-21801	3,675.00	2/2/2022	0	PR Batch 00001.02.2022 Federal Income Tax
EFTPS	602-00000-21801	1,294.13	2/2/2022	0	PR Batch 00001.02.2022 Federal Income Tax
EFTPS	601-00000-21801	2,960.54	2/2/2022	0	PR Batch 00001.02.2022 Federal Income Tax
EFTPS	604-00000-21803	2,574.33	2/2/2022	0	PR Batch 00001.02.2022 FICA Employee Portion
EFTPS	602-00000-21803	1,016.95	2/2/2022	0	PR Batch 00001.02.2022 FICA Employee Portion
EFTPS	601-00000-21803	1,873.56	2/2/2022	0	PR Batch 00001.02.2022 FICA Employee Portion



601-WTR; 602-WWTR; 604-ELEC

Last Name	Acct I	Amount	Check Date	Check Num	Description
EFTPS	604-00000-21803	2,574.33	2/2/2022	0	PR Batch 00001.02.2022 FICA Employer Portion
EFTPS	602-00000-21803	1,016.95	2/2/2022	0	PR Batch 00001.02.2022 FICA Employer Portion
EFTPS	601-00000-21803	1,873.56	2/2/2022	0	PR Batch 00001.02.2022 FICA Employer Portion
EFTPS	604-00000-21809	602.04	2/2/2022	0	PR Batch 00001.02.2022 Medicare Employee Portion
EFTPS	602-00000-21809	237.84	2/2/2022	0	PR Batch 00001.02.2022 Medicare Employee Portion
EFTPS	601-00000-21809	438.15	2/2/2022	0	PR Batch 00001.02.2022 Medicare Employee Portion
EFTPS	604-00000-21809	602.04	2/2/2022	0	PR Batch 00001.02.2022 Medicare Employee Portion
EFTPS	602-00000-21809	237.84	2/2/2022	0	PR Batch 00001.02.2022 Medicare Employee Portion
EFTPS	601-00000-21809	438.15	2/2/2022	0	PR Batch 00001.02.2022 Medicare Employee Portion
EFTPS	604-00000-21801	3,865.94	2/16/2022	0	PR Batch 00002.02.2022 Federal Income Tax
EFTPS	602-00000-21801	1,320.68	2/16/2022	0	PR Batch 00002.02.2022 Federal Income Tax
EFTPS	601-00000-21801	2,997.96	2/16/2022	0	PR Batch 00002.02.2022 Federal Income Tax
EFTPS	604-00000-21803	2,658.12	2/16/2022	0	PR Batch 00002.02.2022 FICA Employee Portion
EFTPS	602-00000-21803	937.60	2/16/2022	0	PR Batch 00002.02.2022 FICA Employee Portion
EFTPS	601-00000-21803	1,906.06	2/16/2022	0	PR Batch 00002.02.2022 FICA Employee Portion
EFTPS	604-00000-21803	2,658.12	2/16/2022	0	PR Batch 00002.02.2022 FICA Employee Portion
EFTPS	602-00000-21803	937.60	2/16/2022	0	PR Batch 00002.02.2022 FICA Employee Portion
EFTPS	601-00000-21803	1,906.06	2/16/2022	0	PR Batch 00002.02.2022 FICA Employee Portion
EFTPS	604-00000-21809	621.64	2/16/2022	0	PR Batch 00002.02.2022 Medicare Employee Portion
EFTPS	602-00000-21809	219.28	2/16/2022	0	PR Batch 00002.02.2022 Medicare Employee Portion
EFTPS	601-00000-21809	445.78	2/16/2022	0	PR Batch 00002.02.2022 Medicare Employee Portion
EFTPS	604-00000-21809	621.64	2/16/2022	0	PR Batch 00002.02.2022 Medicare Employee Portion
EFTPS	602-00000-21809	219.28	2/16/2022	0	PR Batch 00002.02.2022 Medicare Employee Portion
EFTPS	601-00000-21809	445.78	2/16/2022	0	PR Batch 00002.02.2022 Medicare Employee Portion
EFTPS		43,176.95			
Evoqua Water Technologies LLC	602-49450-40200	347.53	3/9/2022	154981	slinger, clamp, bushing, deflector
Evoqua Water Technologies LLC		347.53			
Fagan Kenneth/Aletta	604-00000-20200	1.27	2/1/2022	154548	Refund Check 017768-001, 561 Burton Ln
Fagan Kenneth/Aletta	604-00000-20200	27.33	2/1/2022	154548	Refund Check 017768-001, 561 Burton Ln
Fagan Kenneth/Aletta	604-00000-20200	9.24	2/1/2022	154548	Refund Check 017768-001, 561 Burton Ln
Fagan Kenneth/Aletta	601-00000-20200	37.91	2/1/2022	154548	Refund Check 017768-001, 561 Burton Ln
Fagan Kenneth/Aletta	601-00000-20200	19.10	2/1/2022	154548	Refund Check 017768-001, 561 Burton Ln
Fagan Kenneth/Aletta	602-00000-20200	24.90	2/1/2022	154548	Refund Check 017768-001, 561 Burton Ln
Fagan Kenneth/Aletta	602-00000-20200	1.95	2/1/2022	154548	Refund Check 017768-001, 561 Burton Ln
Fagan Kenneth/Aletta	602-00000-20200	1.05	2/1/2022	154548	Refund Check 017768-001, 561 Burton Ln
Fagan Kenneth/Aletta	601-00000-20200	1.09	2/1/2022	154548	Refund Check 017768-001, 561 Burton Ln
Fagan Kenneth/Aletta	604-00000-20200	2.05	2/1/2022	154548	Refund Check 017768-001, 561 Burton Ln

15

# 601-WTR; 602-WWTR; 604-ELEC

Last Name	Acct I	Amount	Check Date	Check Num	Description
Fagan Kenneth/Aletta		125.89			
Fairmont Ford	604-49595-43901	3,596.90	2/23/2022	154881	Commercial LED Light Rebate
Fairmont Ford		3,596.90			
Fairmont Raceway Ent.	604-00000-20200	59.73	2/1/2022	154549	Refund Check 016646-001, 1300 N Bixby Rd Race Track
Fairmont Raceway Ent.	604-00000-20200	2.51	2/1/2022	154549	Refund Check 016646-001, 1300 N Bixby Rd Race Track
Fairmont Raceway Ent.	602-00000-20200	14.55	2/1/2022	154549	Refund Check 016646-001, 1300 N Bixby Rd Race Track
Fairmont Raceway Ent.	602-00000-20200	7.74	2/1/2022	154549	Refund Check 016646-001, 1300 N Bixby Rd Race Track
Fairmont Raceway Ent.	601-00000-20200	8.22	2/1/2022	154549	Refund Check 016646-001, 1300 N Bixby Rd Race Track
Fairmont Raceway Ent.	604-00000-20200	4.58	2/1/2022	154549	Refund Check 016646-001, 1300 N Bixby Rd Race Track
Fairmont Raceway Ent.		97.33			
Fairmont Sentinel	604-49595-43901	89.55	2/23/2022	154882	Commercial LED Light Rebate
Fairmont Sentinel		89.55			
Fastenal Company	602-49450-43900	35.60	3/9/2022	154982	HSS Sp Tap, HCS
Fastenal Company		35.60			
Federated Rural Electric Association	601-49430-38100	21.00	3/9/2022	154983	Electric Utilities 1/31/22-2/28/22
Federated Rural Electric Association		21.00			
Fleet & Farm Supply	604-49570-40200	25.98	2/4/2022	154670	HWH NEO S Pierce 10x2.5 Elec Dept Roof
Fleet & Farm Supply	604-49570-40200	9.54	2/4/2022	154670	Bolts, Nuts, Washers & Screws Elec Dept Roof
Fleet & Farm Supply	604-49570-43900	40.97	3/9/2022	154984	AA batteries, gloves, shop towels
Fleet & Farm Supply	604-49570-22300	189.96	3/9/2022	154984	4 prs snow cleats
Fleet & Farm Supply	601-49400-43900	23.17	3/9/2022	154984	filter, spray
Fleet & Farm Supply	601-49400-43900	0.26	3/9/2022	154984	bolts
Fleet & Farm Supply	602-49470-43900	13.59	3/9/2022	154984	lag bolts, hose clamps
Fleet & Farm Supply	602-49450-43900	5.56	3/9/2022	154984	springs
Fleet & Farm Supply	601-49400-43900	8.38	3/9/2022	154984	tarp, dowel
Fleet & Farm Supply	601-49400-43900	33.97	3/9/2022	154984	chain lube
Fleet & Farm Supply	602-49450-43900	20.32	3/9/2022	154984	digester feed pump drain
Fleet & Farm Supply	601-49400-43900	2.79	3/9/2022	154984	plug
Fleet & Farm Supply	601-49430-43900	74.58	3/9/2022	154984	L.P tank & fill, C Batteries
Fleet & Farm Supply	602-49470-43900	58.16	3/9/2022	154984	cut off, grinding wheels, broom, gloves
Fleet & Farm Supply	602-49450-43900	21.96	3/9/2022	154984	tape, wrap bubble, bolt

# 601-WTR; 602-WWTR; 604-ELEC

Last Name	Acct I	Amount	Check Date	Check Num	Description
Fleet & Farm Supply	601-49400-43900	17.96	3/9/2022	154984	tape, shop towels
Fleet & Farm Supply	604-49570-43900	13.16	3/9/2022	154984	Chain
Fleet & Farm Supply		560.31			
Foty Lock & Safe	601-49400-43900	50.00	3/9/2022	154985	Open up Ford Ranger pickup
Foty Lock & Safe		50.00			
Frontier Communications	602-49450-32100	94.31	2/23/2022	154883	Telephone 235-6502/0222
Frontier Communications	601-49400-32100	132.18	2/23/2022	154883	Telephone 235-6789
Frontier Communications	604-49570-32100	105.07	2/23/2022	154883	Telephone 235-6811
Frontier Communications	604-49570-32100	49.81	2/23/2022	154883	Telephone 238-1928
Frontier Communications		381.37			
Further	601-00000-21811	815.10	2/2/2022	0	PR Batch 00001.02.2022 Health Savings Account
Further	604-00000-21811	392.60	2/2/2022	0	PR Batch 00001.02.2022 Health Savings Account
Further	602-00000-21811	330.78	2/2/2022	0	PR Batch 00001.02.2022 Health Savings Account
Further	601-00000-21811	815.08	2/16/2022	0	PR Batch 00002.02.2022 Health Savings Account
Further	604-00000-21811	392.62	2/16/2022	0	PR Batch 00002.02.2022 Health Savings Account
Further	602-00000-21811	330.79	2/16/2022	0	PR Batch 00002.02.2022 Health Savings Account
Further		3,076.97			
Gopher State One Call, Inc.	604-49570-31200	5.05	3/9/2022	154986	Locating Expense-Feb
Gopher State One Call, Inc.	602-49470-31200	4.90	3/9/2022	154986	Locating Expense-Feb
Gopher State One Call, Inc.	601-49430-31200	4.90	3/9/2022	154986	Locating Expense-Feb
Gopher State One Call, Inc.		14.85			
Grainger	601-49400-40400	711.22	3/9/2022	154987	Pleated air filters
Grainger	601-49400-40400	245.52	3/9/2022	154987	Utility Pump
Grainger	602-49450-40400	149.02	3/9/2022	154987	Bell and Gosset heat pump coupling
Grainger		1,105.76			
Graymont (WI) LLC	601-49400-21620	6,049.17	3/9/2022	154988	High Calcium Quicklime
Graymont (WI) LLC		6,049.17			
Hawkins, Inc.	601-00000-14206	1,420.00	3/9/2022	154989	Ammonium Sulfate 2000lbs



Last Name	Acct I	Amount	Check Date	Check Num	Description
Hawkins, Inc.		1,420.00			
Heuer John	604-49595-43988	25.00	2/23/2022	154885	Dishwasher Rebate
Heuer John		25.00			
Hometown Sanitation Services, LLC	602-49450-38420	56.97	2/23/2022	154886	recycling service
Hometown Sanitation Services, LLC		56.97			
IBEW, Local Union 949	604-00000-21807	756.34	2/2/2022	154556	PR Batch 00001.02.2022 Union Dues
IBEW, Local Union 949	602-00000-21807	336.14	2/2/2022	154556	PR Batch 00001.02.2022 Union Dues
IBEW, Local Union 949	601-00000-21807	755.97	2/2/2022	154556	PR Batch 00001.02.2022 Union Dues
IBEW, Local Union 949		1,848.45			
Immanuel Lutheran Church	604-49595-43901	99.00	3/9/2022	154990	Commercial LED Rebate
Immanuel Lutheran Church		99.00			
Impact Proven Solutions	604-49590-31200	2,173.82	2/23/2022	154887	Monthly Utility Billing-Jan
Impact Proven Solutions	601-49440-31200	502.89	2/23/2022	154887	Monthly Utility Billing-Jan
Impact Proven Solutions	602-49490-31200	322.38	2/23/2022	154887	Monthly Utility Billing-Jan
Impact Proven Solutions		2,999.09			
J. H. Larson	602-49450-43900	91.28	3/9/2022	154991	Wall mounting bracket
J. H. Larson	602-49450-40200	135.43	3/9/2022	154991	Nema Contact
J. H. Larson	602-49470-40200	4.98	3/9/2022	154991	3 Amp 250 V Fast acting Glass Fuse
J. H. Larson	602-49470-40200	386.54	3/9/2022	154991	magnetic starter
J. H. Larson	601-49400-43900	39.27	3/9/2022	154991	Auto wall switch
J. H. Larson	601-49400-40400	40.75	3/9/2022	154991	Wall switch, plate, mud ring
J. H. Larson	601-49400-40400	16.89	3/9/2022	154991	Brown Toggle
J. H. Larson	602-49470-40200	190.14	3/9/2022	154991	12 4/c CU Black Soow
J. H. Larson		905.28			
Klug Katherine	604-49595-43986	25.00	2/23/2022	154888	Freezer Rebate
Klug Katherine		25.00			
Krumholz Gary/Patti	604-49595-43989	43.99	2/23/2022	0	LED Fixture Rebates

Last Name	Acct I	Amount	Check Date	Check Num	Description
Krumholz Gary/Patti		43.99			
License Bureau	604-49570-40500	19.25	2/18/2022	154856	License Tab Renewal 2008 Ford
License Bureau	602-49450-40500	19.25	2/18/2022	154856	License Tab Renewal 2012 Vactor
License Bureau		38.50			
Lund John	604-49595-43989	100.20	2/23/2022	154889	LED Fixture Rebate
Lund John	604-49595-43981	270.00	2/23/2022	154889	AC Rebate
Lund John	604-49595-43990	50.00	2/23/2022	154889	Furnace Fan Motor Rebate
Lund John		420.20			
Lyons Bill/Mary	604-00000-20200	0.07	2/1/2022	154550	Refund Check 016937-000, 320 E AMBER LAKE DR
Lyons Bill/Mary	604-00000-20200	1.56	2/1/2022	154550	Refund Check 016937-000, 320 E AMBER LAKE DR
Lyons Bill/Mary	601-00000-20200	2.08	2/1/2022	154550	Refund Check 016937-000, 320 E AMBER LAKE DR
Lyons Bill/Mary	601-00000-20200	1.05	2/1/2022	154550	Refund Check 016937-000, 320 E AMBER LAKE DR
Lyons Bill/Mary	602-00000-20200	1.51	2/1/2022	154550	Refund Check 016937-000, 320 E AMBER LAKE DR
Lyons Bill/Mary	602-00000-20200	0.76	2/1/2022	154550	Refund Check 016937-000, 320 E AMBER LAKE DR
Lyons Bill/Mary	602-00000-20200	0.40	2/1/2022	154550	Refund Check 016937-000, 320 E AMBER LAKE DR
Lyons Bill/Mary	601-00000-20200	0.43	2/1/2022	154550	Refund Check 016937-000, 320 E AMBER LAKE DR
Lyons Bill/Mary	604-00000-20200	0.12	2/1/2022	154550	Refund Check 016937-000, 320 E AMBER LAKE DR
Lyons Bill/Mary		7.98			
Madsen Dennis	604-49595-43988	25.00	2/23/2022	154890	Dishwasher Rebate
Madsen Dennis		25.00			
Mankato/Fairmont Fire & Safety	604-49570-22300	54.00	2/23/2022	154891	repair fire extinguisher
Mankato/Fairmont Fire & Safety		54.00			
Marco Technologies, LLC	601-49440-20120	4.19	2/18/2022	154827	Contract Base Rate 02/02/22 to 03/01/22, Usage 01/02 to 02/01/22
Marco Technologies, LLC	602-49490-20120	2.74	2/18/2022	154827	Contract Base Rate 02/02/22 to 03/01/22, Usage 01/02 to 02/01/22
Marco Technologies, LLC	604-49590-20120	18.87	2/18/2022	154827	Contract Base Rate 02/02/22 to 03/01/22, Usage 01/02 to 02/01/22
Marco Technologies, LLC		25.80			
Martin County Highway Dept	601-49400-21200	14.60	3/9/2022	154992	February Fuel Usage
Martin County Highway Dept	601-49430-21200	808.46	3/9/2022	154992	February Fuel Usage
Martin County Highway Dept	602-49450-21200	188.57	3/9/2022	154992	February Fuel Usage



# 601-WTR; 602-WWTR; 604-ELEC

Last Name	Acct I	Amount	Check Date	Check Num	Description
Martin County Highway Dept	602-49470-21200	552.44	3/9/2022	154992	February Fuel Usage
Martin County Highway Dept	604-49570-21200	1,478.10	3/9/2022	154992	February Fuel Usage
Martin County Highway Dept		3,042.17			
Martin County Mechanical	602-49450-43900	130.25	3/9/2022	154993	urinal kit repair, handle kit
Martin County Mechanical		130.25			
Meyer Douglas	604-00000-20200	0.17	2/1/2022	154551	Refund Check 016038-014, 224 1/2 S Park #3
Meyer Douglas	604-00000-20200	14.52	2/1/2022	154551	Refund Check 016038-014, 224 1/2 S Park #3
Meyer Douglas	602-00000-20200	5.95	2/1/2022	154551	Refund Check 016038-014, 224 1/2 S Park #3
Meyer Douglas	602-00000-20200	3.16	2/1/2022	154551	Refund Check 016038-014, 224 1/2 S Park #3
Meyer Douglas	601-00000-20200	3.35	2/1/2022	154551	Refund Check 016038-014, 224 1/2 S Park #3
Meyer Douglas	604-00000-20200	1.11	2/1/2022	154551	Refund Check 016038-014, 224 1/2 S Park #3
Meyer Douglas		28.26			
Miller Jerry	604-00000-20200	2.98	2/1/2022	154552	Refund Check 007445-000, 815 N MAIN ST
Miller Jerry	604-00000-20200	54.20	2/1/2022	154552	Refund Check 007445-000, 815 N MAIN ST
Miller Jerry	601-00000-20200	13.85	2/1/2022	154552	Refund Check 007445-000, 815 N MAIN ST
Miller Jerry	601-00000-20200	12.98	2/1/2022	154552	Refund Check 007445-000, 815 N MAIN ST
Miller Jerry	602-00000-20200	13.03	2/1/2022	154552	Refund Check 007445-000, 815 N MAIN ST
Miller Jerry	602-00000-20200	5.62	2/1/2022	154552	Refund Check 007445-000, 815 N MAIN ST
Miller Jerry	602-00000-20200	2.99	2/1/2022	154552	Refund Check 007445-000, 815 N MAIN ST
Miller Jerry	601-00000-20200	3.18	2/1/2022	154552	Refund Check 007445-000, 815 N MAIN ST
Miller Jerry	604-00000-20200	3.89	2/1/2022	154552	Refund Check 007445-000, 815 N MAIN ST
Miller Jerry		112.72			
Minn Municipal Utilities Association	604-49570-33100	465.00	3/9/2022	154994	2022 Underground school-Jessie L
Minn Municipal Utilities Association		465.00			
MN AWWA	601-49445-33100	160.00	2/23/2022	154893	2022 SE District Water Operators School-Randy Bock
MN AWWA		160.00			
Mn Child Support Payment	604-00000-21720	568.98	2/2/2022	154558	PR Batch 00001.02.2022 HR
Mn Child Support Payment	604-00000-21720	568.98	2/16/2022	154806	PR Batch 00002.02.2022 HR
Mn Child Support Payment		1,137.96			



# 601-WTR; 602-WWTR: 604-ELEC

Last Name	Acct I	Amount	Check Date	Check Num	Description
MN Council 65 AFSCME	604-00000-21807	8.80	2/2/2022	154559	PR Batch 00001.02.2022 Union Dues
MN Council 65 AFSCME	601-00000-21807	8.79	2/2/2022	154559	PR Batch 00001.02.2022 Union Dues
MN Council 65 AFSCME	602-00000-21807	8.79	2/2/2022	154559	PR Batch 00001.02.2022 Union Dues
MN Council 65 AFSCME		26.38			
Mn Dept of Health	601-49400-31400	150.00	2/23/2022	154894	Plan review fee sheet
MN Dept Of Health	601-49400-31500	10,752.00	3/9/2022	154995	1/1/22-3/31/22-Community water supply service connection fee
MN Dept Of Health		10,902.00			
MN Dept Of Revenue	604-00000-21802	1,733.83	2/2/2022	0	PR Batch 00001.02.2022 State Income Tax
MN Dept Of Revenue	602-00000-21802	634.06	2/2/2022	0	PR Batch 00001.02.2022 State Income Tax
MN Dept Of Revenue	601-00000-21802	1,299.15	2/2/2022	0	PR Batch 00001.02.2022 State Income Tax
MN Dept Of Revenue	604-00000-21802	1,796.39	2/16/2022	0	PR Batch 00002.02.2022 State Income Tax
MN Dept Of Revenue	602-00000-21802	629.37	2/16/2022	0	PR Batch 00002.02.2022 State Income Tax
MN Dept Of Revenue	601-00000-21802	1,327.61	2/16/2022	0	PR Batch 00002.02.2022 State Income Tax
MN Dept Of Revenue		7,420.41			
MN Energy Resources Corp.	602-49450-38300	673.85	2/23/2022	154895	Gas Utilities-maint
MN Energy Resources Corp.	602-49450-38300	11,958.23	2/23/2022	154895	Gas Utilities-solids building
MN Energy Resources Corp.	604-49570-38300	3,214.34	2/23/2022	154895	Gas Utilities-warehouse
MN Energy Resources Corp.	602-49450-38300	1,517.54	2/23/2022	154895	Gas Utilities-disposal
MN Energy Resources Corp.	601-49400-38300	6,463.11	2/23/2022	154895	Gas Utilities-water plant
MN Energy Resources Corp.	602-49450-38300	1,188.45	2/23/2022	154895	Gas Utilities-Headwork
MN Energy Resources Corp.	602-49450-38300	420.32	2/23/2022	154895	Gas Utilities-burner
MN Energy Resources Corp.	602-49470-38300	800.16	3/9/2022	154996	Gas utilities-Indus St.
MN Energy Resources Corp.		26,236.00			
Mn NCPERS Life Insurance	604-00000-21810	69.25	2/16/2022	154807	PR Batch 00002.02.2022 PERA Term Life
Mn NCPERS Life Insurance	601-00000-21810	36.70	2/16/2022	154807	PR Batch 00002.02.2022 PERA Term Life
Mn NCPERS Life Insurance	602-00000-21810	19.09	2/16/2022	154807	PR Batch 00002.02.2022 PERA Term Life
Mn NCPERS Life Insurance		125.04			
MN Pollution Control Agency	602-49495-33100	200.00	3/9/2022	154997	MPCA Virtual Annual Conference-Cert hrs-Dave S
MN Pollution Control Agency		200.00			
MN Valley Testing Lab	602-49450-31400	627.94	3/9/2022	154998	Lab testing
MN Valley Testing Lab	602-49450-31400	67.50	3/9/2022	154998	Lab testing



# 601-WTR; 602-WWTR; 604-ELEC

Last Name	Acct I	Amount	Check Date	Check Num	Description
MN Valley Testing Lab	602-49450-31400	60.50	3/9/2022	154998	Lab testing
MN Valley Testing Lab		755.94			
Mobotrex	604-49570-40300	841.00	3/9/2022	154999	LED Signal Lights
Mobotrex		841.00			
Napa Auto Fairmont Star Group LLC	604-49570-40500	31.45	3/9/2022	155000	#225-oil filters, fuel filter
Napa Auto Fairmont Star Group LLC	604-49570-40500	37.68	3/9/2022	155000	#225-oil, fuel, hyd, water filters
Napa Auto Fairmont Star Group LLC		69.13			
National Industrial & Safety Supply	604-49570-22300	311.76	2/23/2022	154896	24-insulated gloves
National Industrial & Safety Supply		311.76			
NeonLink LLC	601-49400-31200	141.96	3/9/2022	155001	Enerlyte Payment Services-Feb
NeonLink LLC	604-49570-31200	613.64	3/9/2022	155001	Enerlyte Payment Services-Feb
NeonLink LLC	602-49450-31200	91.00	3/9/2022	155001	Enerlyte Payment Services-Feb
NeonLink LLC		846.60			
North Central Laboratories	602-49450-31400	1,266.58	3/9/2022	155002	lab testing
North Central Laboratories	602-49450-31400	262.07	3/9/2022	155002	lab testing
North Central Laboratories		1,528.65			
Nygaard Joseph	601-49400-43900	200.00	2/23/2022	154897	Reimburse for safety boots
Nygaard Joseph		200.00			
One Office Solution	601-49440-20120	12.39	2/4/2022	154703	Office Supplies City Hall
One Office Solution	602-49490-20120	7.94	2/4/2022	154703	Office Supplies City Hall
One Office Solution	604-49590-20120	53.54	2/4/2022	154703	Office Supplies City Hall
One Office Solution		73.87			
PC Janitorial Supply	601-49400-43900	73.90	2/23/2022	154898	handtowels
PC Janitorial Supply		73.90			
Plunkett's Pest Control, Inc.	602-49450-31200	91.27	3/9/2022	155003	pest control

601-WTR; 602-WWTR; 604-ELEC

Last Name	Acct I	Amount	Check Date	Check Num	Description
Plunkett's Pest Control, Inc.		91.27			
Powerplan OIB	604-49470-40500	435.26	3/9/2022	155004	Filter Element-Vacuum
Powerplan OIB		435.26			
Powers Brady	601-49440-32100	46.44	2/4/2022	154674	Feb 2022 Cell Phone Reimbursement
Powers Brady		46.44			
Pritts Electric Motors, Inc	602-49450-40400	22.00	2/23/2022	154899	SH HUB 1 1/8
Pritts Electric Motors, Inc	601-49400-43900	24.40	2/23/2022	154899	AX56
Pritts Electric Motors, Inc	602-49470-40400	40.00	2/23/2022	154899	motor inspection
Pritts Electric Motors, Inc	601-49400-40400	260.00	2/23/2022	154899	Fan motor,
Pritts Electric Motors, Inc	602-49470-40400	20.00	2/23/2022	154899	motor inspection
Pritts Electric Motors, Inc		366.40			
Profinium Inc.	604-49595-43901	751.02	2/23/2022	154900	Commercial LED light rebate
Profinium Inc.		751.02			
PSI Water Technologies Inc	601-49400-40400	9,536.50	3/9/2022	155005	micro Clor Cell Rebuild, inspec, parts
PSI Water Technologies Inc		9,536.50			
Public Utilities Comm	601-49400-43900	5.00	2/23/2022	154901	reimburse petty cash - wipes
Public Utilities Comm	602-49450-43900	9.32	2/23/2022	154901	reimburse petty cash - supplies
Public Utilities Comm	604-49570-40300	31.45	2/23/2022	154901	reimburse petty cash - lunches for line workers
Public Utilities Comm	602-49450-43900	31.13	2/23/2022	154901	reimburse petty cash - large scoop
Public Utilities Comm	604-49570-43900	13.85	2/23/2022	154901	reimburse petty cash - lunch for line worker
Public Utilities Comm	604-49570-43900	16.00	2/23/2022	154901	reimburse petty cash - lunch for line worker
Public Utilities Comm		106.75			
Public Utilities Commission	604-49570-40300	1,786.74	2/18/2022	154837	Feb 2022 Utilities EV Charging W'bgo Softball Diamonds
Public Utilities Commission		1,786.74			
Redi Haul Trailers, Inc	602-49450-40300	255.00	3/9/2022	155006	Channel, angle



601-WTR; 602-WWTR; 604-ELEC

Last Name	Acct I	Amount	Check Date	Check Num	Description
Redi Haul Trailers, Inc		255.00			
Resco	601-00000-16300	10,000.00	3/9/2022	155007	Training-Star 3day startup-water CIP - AMI
Resco		10,000.00			
Retirement Association Public Employees	604-00000-21804	2,852.48	2/2/2022	0	PR Batch 00001.02.2022 PERA
Retirement Association Public Employees	602-00000-21804	1,148.42	2/2/2022	0	PR Batch 00001.02.2022 PERA
Retirement Association Public Employees	601-00000-21804	2,106.56	2/2/2022	0	PR Batch 00001.02.2022 PERA
Retirement Association Public Employees	604-00000-21804	3,291.33	2/2/2022	0	PR Batch 00001.02.2022 PERA Employer
Retirement Association Public Employees	602-00000-21804	1,325.11	2/2/2022	0	PR Batch 00001.02.2022 PERA Employer
Retirement Association Public Employees	601-00000-21804	2,430.59	2/2/2022	0	PR Batch 00001.02.2022 PERA Employer
Retirement Association Public Employees	604-00000-21804	2,918.32	2/16/2022	0	PR Batch 00002.02.2022 PERA
Retirement Association Public Employees	602-00000-21804	1,067.47	2/16/2022	0	PR Batch 00002.02.2022 PERA
Retirement Association Public Employees	601-00000-21804	2,145.05	2/16/2022	0	PR Batch 00002.02.2022 PERA
Retirement Association Public Employees	604-00000-21804	3,367.35	2/16/2022	0	PR Batch 00002.02.2022 PERA Employer
Retirement Association Public Employees	602-00000-21804	1,231.69	2/16/2022	0	PR Batch 00002.02.2022 PERA Employer
Retirement Association Public Employees	601-00000-21804	2,475.08	2/16/2022	0	PR Batch 00002.02.2022 PERA Employer
Retirement Association Public Employees		26,359.45			
River Bend Business Products	602-49450-43900	332.99	2/23/2022	154902	Ink cart.
River Bend Business Products		332.99			
Rod Anderson & Sons	601-49400-31200	4,301.00	3/9/2022	155066	374yd @\$11.50/yd Lime Hauling
Rod Anderson & Sons		4,301.00			
S & J Excavating, Inc.	601-49430-40200	1,311.00	2/23/2022	154903	12th st watermain repair, home street watermain repair
S & J Excavating, Inc.	601-49430-40200	247.00	3/9/2022	155008	Orient St. Watermain break repair
S & J Excavating, Inc.		1,558.00			
SambatekInc.	601-49430-31200	92.00	3/9/2022	155009	Prof Svs thru 2/12/22
SambatekInc.		92.00			
Schuster's Pressure Washer Sales	604-49570-22300	13.50	3/9/2022	155010	28" Molded wand
Schuster's Pressure Washer Sales		13.50			



# 601-WTR; 602-WWTR; 604-ELEC

Last Name	Acct I	Amount	Check Date	Check Num	Description
Sensaphone	602-49450-31200	718.80	3/9/2022	155011	Subscription Renewal
Sensaphone		718.80			
Squeegee Brothers	601-49400-31200	59.00	3/9/2022	155012	Entry window cleaning
Squeegee Brothers		59.00			
Stuart C. Irby Co	604-49570-40300	2,355.00	2/23/2022	154904	15-loadbreak cutout 200amp 15KV poly
Stuart C. Irby Co	604-49570-40300	-1,015.00	2/23/2022	154904	Return Hast 6777 Ground set 3phase
Stuart C. Irby Co	604-49570-40300	130.00	3/9/2022	155013	500-Screw lags
Stuart C. Irby Co	604-49570-40300	165.95	3/9/2022	155013	3-Cowhide mittens
Stuart C. Irby Co		1,635.95			
Theobald Margaret	604-49595-43988	25.00	2/23/2022	154905	Dishwasher Rebate
Theobald Margaret		25.00			
Truck Center Companies East LLC	604-49570-40500	39.10	2/23/2022	154906	#225 power steering element
Truck Center Companies East LLC		39.10			
Turner Richard	604-49595-43988	25.00	2/23/2022	154907	Dishwasher Rebate
Turner Richard		25.00			
U C Laboratory, Inc	602-49450-31400	271.00	3/9/2022	155014	Lab testing
U C Laboratory, Inc		271.00			
USA Blue Book	601-49400-31400	470.00	3/9/2022	155015	IntelliCal Red Rod Ph Probe
USA Blue Book		470.00			
Vantage Transfer - 301177	604-00000-21808	2,725.31	2/2/2022	0	PR Batch 00001.02.2022 ICMA
Vantage Transfer - 301177	601-00000-21808	324.68	2/2/2022	0	PR Batch 00001.02.2022 ICMA
Vantage Transfer - 301177	602-00000-21808	131.98	2/2/2022	0	PR Batch 00001.02.2022 ICMA
Vantage Transfer - 301177	604-00000-21808	868.30	2/2/2022	0	PR Batch 00001.02.2022 ICMA Payroll Roth IRA
Vantage Transfer - 301177	601-00000-21808	550.74	2/2/2022	0	PR Batch 00001.02.2022 ICMA Payroll Roth IRA
Vantage Transfer - 301177	602-00000-21808	48.37	2/2/2022	0	PR Batch 00001.02.2022 ICMA Payroll Roth IRA
Vantage Transfer - 301177	604-00000-21808	212.88	2/2/2022	0	PR Batch 00001.02.2022 ICMA Loan Repayment
Vantage Transfer - 301177	601-00000-21808	72.55	2/2/2022	0	PR Batch 00001.02.2022 ICMA Loan Repayment

25

# 601-WTR; 602-WWTR; 604-ELEC

Last Name	Acct I	Amount	Check Date	Check Num	Description
Vantage Transfer - 301177	601-00000-21808	46.80	2/2/2022	0	PR Batch 00001.02.2022 ICMA- Percent
Vantage Transfer - 301177	602-00000-21808	376.94	2/2/2022	0	PR Batch 00001.02.2022 ICMA- Percent
Vantage Transfer - 301177	604-00000-21808	2,725.32	2/16/2022	0	PR Batch 00002.02.2022 ICMA
Vantage Transfer - 301177	601-00000-21808	324.68	2/16/2022	0	PR Batch 00002.02.2022 ICMA
Vantage Transfer - 301177	602-00000-21808	131.98	2/16/2022	0	PR Batch 00002.02.2022 ICMA
Vantage Transfer - 301177	604-00000-21808	868.30	2/16/2022	0	PR Batch 00002.02.2022 ICMA Payroll Roth IRA
Vantage Transfer - 301177	601-00000-21808	550.73	2/16/2022	0	PR Batch 00002.02.2022 ICMA Payroll Roth IRA
Vantage Transfer - 301177	602-00000-21808	48.39	2/16/2022	0	PR Batch 00002.02.2022 ICMA Payroll Roth IRA
Vantage Transfer - 301177	601-00000-21808	72.55	2/16/2022	0	PR Batch 00002.02.2022 ICMA Loan Repayment
Vantage Transfer - 301177	601-00000-21808	52.74	2/16/2022	0	PR Batch 00002.02.2022 ICMA- Percent
Vantage Transfer - 301177	602-00000-21808	255.61	2/16/2022	0	PR Batch 00002.02.2022 ICMA- Percent
Vantage Transfer - 301177		10,388.85			
Verizon Wireless	601-49400-32100	105.41	2/3/2022	154662	Cell Phones 12/21/21 to 01/20/2022 Water Dept
Verizon Wireless	602-49450-32100	97.44	2/3/2022	154662	Cell Phones 12/21/21 to 01/20/2022 Waste Water Dept
Verizon Wireless	604-49570-32100	81.23	2/3/2022	154662	Cell Phones 12/21/21 to 01/20/2022 Electric Dept
Verizon Wireless		284.08			
Voss Cleaning Services, Inc.	601-49400-31200	128.10	2/4/2022	154705	Janitorial & Rug Service City Hall Feb 2022
Voss Cleaning Services, Inc.	602-49450-31200	82.13	2/4/2022	154705	Janitorial & Rug Service City Hall Feb 2022
Voss Cleaning Services, Inc.	604-49570-31200	553.77	2/4/2022	154705	Janitorial & Rug Service City Hall Feb 2022
Voss Cleaning Services, Inc.	602-49450-31200	108.00	3/9/2022	155016	Rug Cleaning-Feb
Voss Cleaning Services, Inc.		872.00			
Waste Management Of So MN	602-49450-38420	2,197.85	3/9/2022	155017	64 Gal Dumpster
Waste Management Of So MN		2,197.85			
Wesco Receivables Corp.	604-00000-14207	783.61	3/9/2022	155018	60-T-gel wrap
Wesco Receivables Corp.	604-00000-14207	630.56	3/9/2022	155018	100-guy grip dead end, 60-machine bolt, 250-flawguy wire
Wesco Receivables Corp.		1,414.17			
Western Area Power Admin. US Dept of Energy	604-00000-20100	7,911.22	2/4/2022	154700	January 2022 Electric Service
Western Area Power Admin. US Dept of Energy		7,911.22			
Westrum Leak Detection, Inc.	601-49430-40200	777.50	2/23/2022	154909	Leak detection 2/3/22 Home/Budd St.

# 601-WTR; 602-WWTR; 604-ELEC

Last Name	Acct I	Amount	Check Date	Check Num	Description
Westrum Leak Detection, Inc.		777.50			
Wiederhoeft Welding & Machine	602-49450-40200	356.64	3/9/2022	155019	channel, flat
Wiederhoeft Welding & Machine		356.64			
Zeiger Jennifer	604-00000-20200	3.94	2/1/2022	154553	Refund Check 010320-000, 73 E Ken Rue Lane
Zeiger Jennifer	604-00000-20200	61.70	2/1/2022	154553	Refund Check 010320-000, 73 E Ken Rue Lane
Zeiger Jennifer	602-00000-20200	4.08	2/1/2022	154553	Refund Check 010320-000, 73 E Ken Rue Lane
Zeiger Jennifer	602-00000-20200	2.15	2/1/2022	154553	Refund Check 010320-000, 73 E Ken Rue Lane
Zeiger Jennifer	601-00000-20200	2.10	2/1/2022	154553	Refund Check 010320-000, 73 E Ken Rue Lane
Zeiger Jennifer	604-00000-20200	4.58	2/1/2022	154553	Refund Check 010320-000, 73 E Ken Rue Lane
Zeiger Jennifer	604-00000-20200	91.42	2/8/2022	154712	Refund Check 010320-000, 73 E Ken Rue Lane
Zeiger Jennifer	604-00000-20200	4.58	2/8/2022	154712	Refund Check 010320-000, 73 E Ken Rue Lane

174.55

252,538.92

27







## Chris Ziegler

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**From:** [REDACTED]  
**Sent:** Monday, February 14, 2022 2:01 PM  
**To:** \_DL MEM Reps; \_DL MEM Energy Efficiency Staff  
**Cc:** Schoenherr Chris; Hendrickson Marcus; Kelly Nancy; Hammarsten, Brian; Passentino Scott; Geschwind David  
**Subject:** 2021 Be Bright results  
**Attachments:** 2001-2021 SMMPA Be Bright results.xlsx

**Importance:** High

**Follow Up Flag:** Follow up  
**Due By:** Wednesday, March 9, 2022 8:00 AM  
**Flag Status:** Flagged

Good Afternoon,

Attached is a summary of your 2021 Be Bright results. I have entered this data into the residential rebate system for all members except RPU (they track their own residential savings: 102.1 kW; 910,480 kWh).

This was our 21<sup>st</sup> year of running the Be Bright campaign. We had several good take-aways from last year's campaign...

- Participation from retailers in every member community and lower LED bulb prices.
- Increased bulb options helped maintain good participation overall, even during COVID.
- Total bulb sales were 13% lower than 2020, but more higher-wattage LED options resulted in only slightly lower overall savings.
- We received great feedback from many retailers about brisk sales (several re-order requests in October).
- Maxlite did a much better job this year delivering product to stores quickly.

After 21 years, this is still a campaign that your customers and local retailers look forward to every year.

As I've shared previously, the Biden administration is moving ahead with new Federal lighting standards that will make LED bulbs the standard for general purpose residential lighting. That standard is expected to prohibit the sale of non-complying versions of A-line, reflector, and decorative light bulbs with medium, candelabra, and intermediate screw bases. When that new standard takes effect, we will no longer be able to offer rebates for screw-in LED bulbs, or discounted bulbs through the Be Bright campaign.

John

29

2001-2021 Be Bright Summary (formerly "Change A Light" and "Savings With A Twist")

John O'Neil (SMMPA)  
2/14/2022

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Participating Local Retailers	NA	NA	NA	NA	NA	NA	NA	19	28	36	23	39	27	32	49	37	41	36	34		
Members with at least one Participating Local Retailer	10	15	16	17	17	14	15	18	18	17	12	15	13	14	15	18	16	15	18	18	18

Member	2001 CFLs	2002 CFLs	2003 CFLs	2004 CFLs	2005 CFLs	2006 CFLs	2007 CFLs	2008 CFLs	2009 CFLs	2010 CFLs	2011 CFLs	2012 CFLs	2013 CFLs	2014 CFLs	2014 CFLs	2015 CFLs	2015 LEDs	2016 LEDs	2017 LEDs	2018 LEDs	2019 LEDs	2020 LEDs	2021 LEDs	2021 Savings (kWh)
AU	57	926	3,981	2,483	1,679	398	579	1,430	1,269	2,964	552	6,499	2,512	6,242	32	0	785	3,103	2,203	1,688	4,544	431	1,076	30,210
BP	NA	16	6	25	225	327	0	207	199	174	29	653	515	497	67	136	934	2,860	1,392	1,632	5,087	5,712	4,104	134,369
FAIR	277	106	126	113	154	263	241	554	1,167	402	6	4,954	1,003	1,524	0	380	2,191	3,264	3,252	5,040	8,782	12,072	6,216	205,627
GMI	NA	NA	NA	2	51	40	0	274	185	311	25	23	627	443	0	1,008	3,456	680	705	620	3,072	3,576	2,280	74,392
LC	NA	30	389	318	288	364	265	96	282	323	300	494	215	228	71	188	235	889	889	326	9,402	1,236	1,248	34,121
LITCH	7	8	0	7	20	112	77	115	220	64	18	0	0	0	0	0	0	28	0	0	3,528	1,236	1,248	34,121
MORA	NA	12	0	0	45	0	0	2	682	246	48	0	0	74	0	548	861	3,888	3,024	3,984	5,377	8,028	5,712	185,079
NP	64	12	0	472	292	165	545	649	946	1,126	634	653	943	509	0	334	3,174	2,084	2,756	5,599	6,828	4,834	159,910	
NB	NA	58	12	45	36	68	111	178	185	244	38	192	145	0	0	210	137	181	181	0	584	479	593	15,123
OPU	1,457	723	1,644	644	522	743	722	1,068	2,009	1,474	1,681	6,697	5,275	5,902	1,130	2,315	1,222	6,597	7,294	4,119	8,300	6,603	7,801	215,049
PRES	76	NA	0	0	0	50	50	41	20	16	43	2,455	1,077	1,141	356	0	779	2,166	624	624	3,236	2,736	2,220	72,497
PRIN	8	16	16	51	82	224	496	270	234	188	243	312	275	271	0	0	376	717	192	384	1,424	1,800	2,220	67,099
RF	128	178	238	173	129	232	441	565	1,205	236	0	2,034	0	0	0	0	0	38	0	0	2,551	1,512	1,452	41,916
RPU	483	960	2,609	1,539	1,735	3,128	4,662	3,996	6,106	4,243	9,757	33,468	12,727	14,553	6,097	0	8,733	25,640	13,618	48,268	54,273	34,927	34,851	910,480
SP	429	764	406	366	282	854	1,027	944	1,376	319	1,892	580	215	1,754	1,178	875	1,071	3,286	4,001	2,134	3,049	3,876	3,324	92,008
SV	NA	8	0	3	0	0	36	30	47	7	129	494	556	228	71	0	425	1,917	980	1,397	5,076	2,976	2,484	77,466
WAS	NA	4	0	12	0	0	6	34	268	164	329	1,402	2,406	2,879	39	1,422	200	2,769	766	823	2,540	1,553	1,713	51,194
WELLS	NA	NA	NA	NA	NA	0	32	25	24	26	8	489	337	447	0	170	20	1,255	236	289	3,289	324	324	13,338
<b>Total Bulbs:</b>	<b>2,986</b>	<b>3,821</b>	<b>9,427</b>	<b>6,253</b>	<b>5,540</b>	<b>6,968</b>	<b>9,290</b>	<b>10,478</b>	<b>16,424</b>	<b>12,527</b>	<b>15,732</b>	<b>61,359</b>	<b>28,828</b>	<b>36,092</b>	<b>9,041</b>	<b>5,734</b>	<b>19,384</b>	<b>65,975</b>	<b>41,674</b>	<b>74,718</b>	<b>125,276</b>	<b>95,558</b>	<b>82,778</b>	<b>2,389,278</b>
<b>Total Savings (kWh):</b>								<b>645,173</b>	<b>736,349</b>	<b>509,355</b>	<b>683,878</b>	<b>2,450,830</b>	<b>1,338,095</b>	<b>1,169,557</b>	<b>630,687</b>	<b>1,679,216</b>	<b>1,057,850</b>	<b>1,879,123</b>	<b>3,140,032</b>	<b>2,412,388</b>				

30

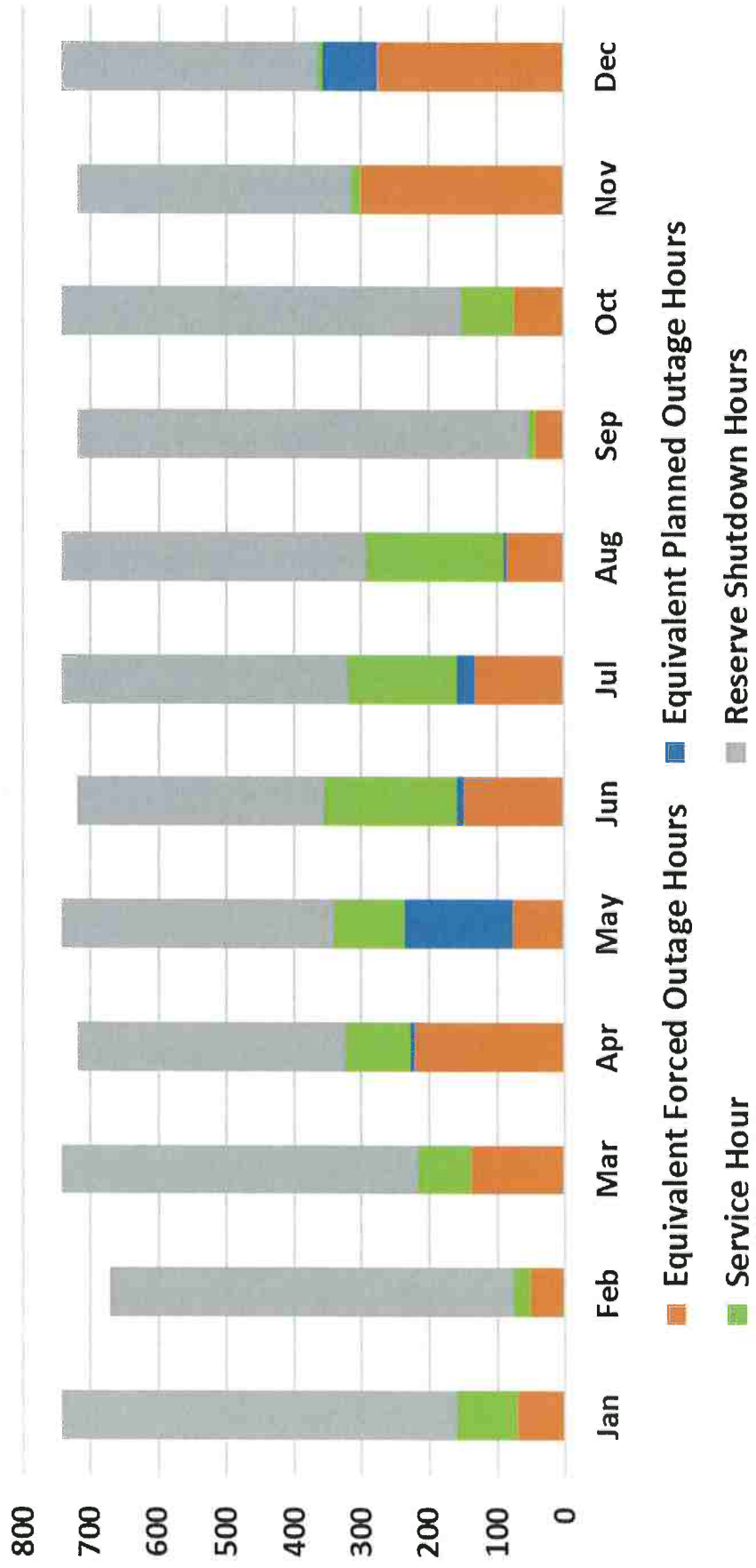


# 2021 Budget vs. Actual Operations

	Run Hours		MWh		Capacity Factor	
	Budget	Actual	Budget	Actual	Budget	Actual
FES	153	1066	3,976	16,332	1.75%	7.20%
OES	385	1719	14,616	33,661	4.39%	14.80%

	Equivalent Availability Factor	Equivalent Forced Outage Rate	Online Capacity Factor	Heat Rate @ Online Capacity Factor (Btu/kWh)
FES	77.4%	19.5%	59%	8,837
OES	89.2%	4.6%	75%	8,507
Industry Average*	92.6%	7.9%		

# FES 2021 Service Hours vs. Outage Hours





# FES 2021 MISO Market Financial Performance

	Energy Revenue	Make Whole Payments	Ancillary Services Revenue	Total	Cost to Run	Net Margin
January	\$54,315	\$508	\$180	\$55,003	(\$44,999)	\$10,004
February	\$50,360	\$0	\$4,909	\$55,269	(\$31,324)	\$23,946
March	\$48,052	\$499	\$683	\$49,235	(\$44,836)	\$4,398
April	\$60,155	\$913	\$71	\$61,139	(\$60,589)	\$549
May	\$85,493	\$484	\$0	\$85,977	(\$60,362)	\$25,615
June	189,677	2,204	0	191,881	(\$139,960)	51,921
July	\$146,401	\$1,873	\$3,793	\$152,067	(\$109,569)	\$42,498
August	\$198,924	\$5,504	\$10,408	\$214,836	(\$141,925)	\$72,911
September	\$5,416	\$0	\$7,070	\$12,486	(\$7,203)	\$5,284
October	\$100,106	\$1,836	\$5,261	\$107,203	(\$59,665)	\$47,538
November	\$14,287	\$40	\$3,660	\$17,987	(\$10,471)	\$7,516
December	\$5,111	\$4	\$2,174	\$7,289	(\$3,994)	\$3,296
<b>Total \$</b>	<b>\$958,298</b>	<b>\$13,866</b>	<b>\$38,209</b>	<b>\$1,010,372</b>	<b>(\$714,896)</b>	<b>\$295,476</b>
<b>\$/MWh</b>	<b>58.68</b>	<b>0.85</b>	<b>2.34</b>	<b>61.86</b>	<b>(43.77)</b>	<b>18.09</b>



## Summary

- Both plants had solid operating years
- OES ran 287 hours in October and 265 hours (185 hours continuously) in December for voltage support and economics during local transmission outages
- FES ran on 25 consecutive days in June and July and ran 67 of 92 days June - August
- OES availability of 89.2% was slightly below the national average
- FES availability of 77.4% was below national average due, in part, to plant SCADA system problems early in the year and Fairmont Public Utilities distribution system limitations late in the year
- Both plants ran for energy, reliability and ancillary services
- Combined positive operating margins of \$959,143









Fairmont Public Utilities

# UNIFORM CONTRACTS

## ABSTRACT

Interconnection agreement for net energy billing DER systems or DER systems 40 kW and above that are compensated at avoided cost.

**CONTRACT FOR COGENERATION AND SMALL POWER PRODUCTION  
FACILITIES**

THIS CONTRACT is entered into \_\_\_\_\_, \_\_\_\_, by Fairmont Public Utilities, a municipal utility under Minnesota law, (hereafter called "Utility") and \_  
Leo Detert \_\_\_\_\_ (hereafter called "QF").

**RECITALS**

The QF has installed electric generating facilities, consisting of 10.22kW(DC)/7.7kW(AC) Fixed Ground Mount with 28 Trina 365W solar modules and (1) Sma 7.7kW Inverter, rated at 7.7 kilowatts AC of electricity, on property located at 532 State Hwy 15, Fairmont, MN 56031.

The QF is a customer of the Utility located within the assigned electric service territory of the Utility.

The QF is prepared to generate electricity in parallel with the Utility.

The QF's electric generating facilities meet the requirements of the rules adopted by the Utility on Cogeneration and Small Power Production and any technical standards for interconnection the Utility has established that are authorized by those rules.

The Utility is obligated under federal and Minnesota law to interconnect with the QF and to purchase electricity offered for sale by the QF.

A contract between the QF and the Utility is required.

**AGREEMENTS**

The QF and the Utility agree:

1. The Utility will sell electricity to the QF under the rate schedule in force for the class of customer to which the QF belongs.
  
2. The Utility will buy electricity from the QF under the current rate schedule filed with the city council or city-appointed governing body of the utility. The QF elects the rate schedule category hereinafter indicated:

xx a. Average retail utility energy rate.

- QF capacity must be less than 40 kW.

N.A. b. Simultaneous purchase and sale billing rate.

- QF capacity must be less than 40 kW.

N.A. c. Roll-over credits.

- QF capacity must be less than 40 kW.

N.A. d. Time-of-day purchase rates.

- QF capacity must be 40 kW or more and less than or equal to 100 kW.

A copy of the presently approved rate schedule is attached to this contract.

3. The rates for sales and purchases of electricity may change over the time this contract is in force, due to actions of the Utility or the State of Minnesota, and the QF and the Utility agree that sales and purchases will be made under the rates in effect each month during the time this contract is in force.
4. The Utility will compute the charges and payments for purchases and sales for each billing period. Any net credit to the QF, other than kilowatt-hour credits under clause 2(c), will be made under one of the following options as chosen by the QF.

xx a. Credit to the QF's account with the Utility.

     b. Paid by check or electronic payment service to the QF within fifteen (15) days of the billing date.

5. Renewable energy credits associated with generation from the facility are owned by: Leo Detert.
6. The QF must operate its electric generating facilities within any rules, regulations, and policies adopted by the Utility not prohibited by the rules governing Cogeneration and Small Power Production on the Utility's system which provide reasonable technical connection and operating specifications for the QF and are consistent with the Minnesota Public Utilities Commission's rules on Cogeneration and Small Power Production, as required under Minnesota Statutes §216B.164, subdivision 9.
7. The QF will not enter into an arrangement whereby electricity from the generating facilities will be sold to an end user in violation of the Utility's exclusive right to provide electric service in its service area under Minnesota Statutes, §216B.37-44.
8. The QF will operate its electric generating facilities so that they conform to the national, state, and local electric and safety codes, and will be responsible for the costs of conformance.

9. The QF is responsible for the actual, reasonable costs of interconnection which are estimated to be \$ 1,000.00. The QF will pay the Utility in this way: QF will be billed for Interconnection Fee. Payment can be made at Fairmont City Hall or mailed to Fairmont Public Utilities, 100 Downtown Plaza, Fairmont, MN 56031
10. The QF will give the Utility reasonable access to its property and electric generating facilities if the configuration of those facilities does not permit disconnection or testing from the Utility 's side of the interconnection. If the Utility enters the QF's property, the Utility will remain responsible for its personnel.
11. The Utility may stop providing electricity to the QF during a system emergency. The Utility will not discriminate against the QF when it stops providing electricity or when it resumes providing electricity.
12. The Utility may stop purchasing electricity from the QF when necessary for the Utility to construct, install, maintain, repair, replace, remove, investigate, or inspect any equipment or facilities within its electric system. The Utility may stop purchasing electricity from the QF in the event the generating facilities listed in this contract are documented to be causing power quality, safety or reliability issues to the Utility's electric distribution system.

The Utility will notify the QF before it stops purchasing electricity in this way:  
QF will be notified in writing by Utility.

13. The QF will keep in force general liability insurance against personal or property damage due to the installation, interconnection, and operation of its electric generating facilities. The amount of insurance coverage will be \$ min of \$300,000. (The amount must be consistent with the distributed generation tariff adopted by the Utility pursuant to Minnesota Statutes §216B.1611, subdivision 3, clause 2.)
14. The QF and the Utility agree to attempt to resolve all disputes arising hereunder promptly and in a good faith manner.
15. The city council or city-appointed body governing the Utility has authority to consider and determine disputes, if any, that arise under this contract in accordance with procedures in the rules it adopts implementing Minnesota Statute §216B.164, pursuant to §216B.164, subdivision 9.
16. This contract becomes effective as soon as it is signed by the QF and the Utility. This contract will remain in force until either the QF or the Utility gives written notice to the other that the contract is canceled. This contract will be canceled thirty (30) days after notice is given. If the listed electric generating facilities are not interconnected to the Utility's distribution system within twelve months of the



contract being signed by the QF and the Utility, the contract terminates. The QF and the Utility may delay termination by mutual agreement.

17. Neither the QF nor the Utility will be considered in default as to any obligation if the QF or the Utility is prevented from fulfilling the obligation due to an act of God, labor disturbance, act of public enemy, war, insurrection, riot, fire, storm or flood, explosion, breakage or accident to machinery or equipment, an order, regulation or restriction imposed by governmental, military or lawfully established civilian authorities, or other cause beyond the QF's or Utility's control. However, the QF or Utility whose performance under this contract is hindered by such an event shall make all reasonable efforts to perform its obligations.
18. This contract can only be amended or modified by mutual agreement in writing signed by the QF and the Utility.
19. The QF must notify the Utility prior to any change in the electric generating facilities' capacity size or generating technology according to the interconnection process adopted by the Utility.
20. Termination of this contract is allowed (i) by the QF at any time without restriction; (ii) by Mutual Agreement between the Utility and the QF; (iii) upon abandonment or removal of electric generating facilities by the QF; (iv) by the Utility if the electric generating facilities are continuously non-operational for any twelve (12) consecutive month period; (v) by the Utility if the QF fails to comply with applicable interconnection design requirements or fails to remedy a violation of the interconnection process; or (vi) by the Utility upon breach of this contract by the QF unless cured with notice of cure received by the Utility prior to termination.
21. In the event this contract is terminated, the Utility shall have the rights to disconnect its facilities or direct the QF to disconnect its generating facilities.
22. This contract shall continue in effect after termination to the extent necessary to allow either the Utility or the QF to fulfill rights or obligations that arose under the contract.
23. Transfer of ownership of the generating facilities shall require the new owners and the Utility to execute a new contract. Upon the execution of a new contract with the new owners this contract shall be terminated.
24. The QF and the Utility shall at all times indemnify, defend, and save each other harmless from any and all damages, losses, claims, including claims and actions relating to injury or death of any person or damage to property, costs and expenses, reasonable attorneys' fees and court costs, arising out of or resulting from the QF's or the Utility's performance of its obligations under this contract, except to the extent that such damages, losses or claims were caused by the negligence or intentional acts of the QF or the Utility.

- 25. The Utility and the QF will each be responsible for its own acts or omissions and the results thereof to the extent authorized by law and shall not be responsible for the acts or omissions of any others and the results thereof.
- 26. The QF's and the Utility's liability to each other for failure to perform its obligations under this contract shall be limited to the amount of direct damage actually occurred. In no event, shall the QF or the Utility be liable to each other for any punitive, incidental, indirect, special, or consequential damages of any kind whatsoever, including for loss of business opportunity or profits, regardless of whether such damages were foreseen.
- 27. The Utility does not give any warranty, expressed or implied, to the adequacy, safety, or other characteristics of the QF's interconnected system.
- 28. This contract contains all the agreements made between the QF and the Utility. The QF and Utility are not responsible other than those stated in this contract.

THE QF AND THE UTILITY HAVE READ THIS CONTRACT AND AGREE TO BE BOUND BY ITS TERMS. AS EVIDENCE OF THEIR AGREEMENT, THEY HAVE EACH SIGNED THIS CONTRACT BELOW ON THE DATE LISTED BY SIGNER.

**QF**

By: \_\_\_\_\_

Printed Name: Leo Detert

DATE: \_\_\_\_\_

**UTILITY**

By: \_\_\_\_\_

Printed Name: Troy Nemmers

DATE: \_\_\_\_\_

Contract Version: *February 2019*

43

Fairmont Public Utilities  
100 Downtown Plaza  
Fairmont, MN 56031

January 18, 2022

Enclosed for approval, per the Distributed Generation Rules for Fairmont Public Utilities adopted by Fairmont Public Utilities Commission on January 18, 2022, are updates to the cogeneration and small power production tariff consisting of:

**SCHEDULE 1.**

Calculation of the average retail utility energy rates

**SCHEDULE 4.**

The estimated average incremental energy costs by seasonal, peak and off-peak periods and annual avoided capacity costs from Southern Minnesota Municipal Power Agency.

**Fairmont Public Utilities Cogeneration and Small Power Production Tariff**

This information is available to the public at our offices or on our website at [fairmont.org](http://fairmont.org). Upon approval of the Cogeneration and Small Power Production Tariff, Fairmont Public Utilities will publish a cogeneration and small power generation notice on its website.

Also attached is the annual QF Report as required under the Distributed Generation Rules.

## SCHEDULE 1 – AVERAGE RETAIL UTILITY ENERGY RATE

Net Energy Billing: Available to any QF of less than 40 kW capacity that does not select either Roll Over Credits, Simultaneous Purchase and Sale Billing or Time of Day rates.

Fairmont Public Utilities shall bill QF for any excess of energy supplied by insert Utility name above energy supplied by the QF during each billing period according to Fairmont Public Utilities' applicable rate schedule. Fairmont Public Utilities shall pay the customer for the energy generated by the QF that exceeds that supplied by Fairmont Public Utilities during a billing period at the "average retail utility energy rate." "Average retail utility energy rate" means, for any class of utility customer, the quotient of the total annual class revenue from sales of electricity minus the annual revenue resulting from fixed charges, divided by the annual class kilowatt-hour sales. Data from the most recent 12-month period available shall be used in the computation. The "average retail utility energy rates" are as follows:

<b>Customer Class</b>	<b>Average Retail Utility Energy Rate</b>
Residential Light	0.097630
Residential Heat	0.091446
Commercial Service	0.095949
General Service	0.089879
Industrial Service	0.084229
All Electric Heat	0.067293
Rural Service	0.097908
Seasonal Heat	0.072124

Approved by Fairmont Public Utilities Commission January 18, 2022.

## SCHEDULE 4 – AVERAGE INCREMENTAL COST

Estimated Marginal Energy Costs (\$/MWh)						
		2022	2023	2024	2025	2026
Summer	On Peak	44.87	37.74	38.48	36.08	35.93
	Off Peak	31.40	24.37	25.77	25.64	26.58
	All Hours	37.59	30.52	31.62	30.44	30.88
Winter	On Peak	56.22	43.99	42.68	42.67	42.19
	Off Peak	41.15	31.89	32.10	30.87	31.78
	All Hours	48.08	37.46	36.96	36.30	36.57
Annual	On Peak	50.54	40.87	40.58	39.37	39.06
	Off Peak	36.27	28.13	28.94	28.26	29.18
	All Hours	42.84	33.99	34.29	33.37	33.73
Annual # hours on-peak:						

Description of season and on-peak and off-peak periods	
Summer:	April through September
Winter:	October through March
On-peak period:	6 am to 10 pm Monday through Friday except holiday (New Years, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day, Christmas Day)
Off-peak period:	All other hours

### Estimated Marginal Energy Costs

The estimated system average incremental energy costs are calculated by seasonal peak and off-peak periods for each of the next five years. For each seasonal period, system incremental energy costs are averaged during system daily peak hours, system daily off-peak hours, and all hours in the season. The energy costs are increased by a factor equal to 50 percent of the line losses.

The energy needs of Fairmont Public Utilities are served through its membership in Southern Minnesota Municipal Power Agency (SMMPA). SMMPA, in turn, is a member of the Midcontinent ISO (MISO). As a result, the municipal's incremental energy cost is equivalent to the MISO hourly Locational Marginal Price (LMP). Actual hourly LMP will vary significantly based on several parameters such as weather, energy demand, and generation availability. The table above represents a forecast of the MISO hourly LMP values averaged over each specific time period at the MISO Minnesota Hub.

### Capacity Costs

SMMPA, Fairmont Public Utilities' wholesale supplier, has neither planned generating facility additions nor planned additional capacity purchases, other than from qualifying facilities, during the ensuing ten years, thus SMMPA and Fairmont Public Utilities are deemed to have no avoidable capacity costs.

**Fairmont Public Utilities**  
**Cogeneration and Small Power Production Tariff**  
**And Distribution Connection Charges**  
**Effective Date: 01/18/2022**

**AVAILABILITY**

Available to all customers where the customer has qualified small power production or cogeneration facilities connected in parallel with the Utility's facilities. The customer is required to execute an interconnection Agreement with the Utility. A Qualifying Facility (QF) is a cogeneration and small power production facility that satisfies the conditions in 18 Code of Federal Regulations, Section 292.101(b).

**CHARACTER OF SERVICE**

Alternating current, 60 hertz, at available secondary voltages.

**RATE**

The Utility shall pay the customer monthly for all energy furnished during the month at the Rate shown in Section 1-2 below.

1. Net Energy Billing: Available to any QF of less than 40 kW capacity that does not select Roll Over Credits:

The Utility shall bill the qualifying facility for the excess of energy supplied by the Utility above energy supplied by the qualifying facility during each billing period according to the Utility's applicable retail rate schedule. The Utility shall pay the customer for the energy generated by the qualifying facility that exceeds that supplied by the Utility during a billing period as follows:

See Schedule 1 – Average Retail Utility Energy Rate  
that is in effect for the Current Year and Applicable Customer Class.

2. Roll Over Credits: Available to any QF of less than 40 kW capacity that does not select Net Energy Billing:

Kilowatt-hours produced by the QF in excess of the monthly usage shall be supplied as an energy credit on the customer's energy bill, carried forward and applied to subsequent energy bills, with an annual true-up on December 31. Excess energy credits existing as of December 31 shall default back to the Utility with no compensation to the QF.



**DISTRIBUTION CONNECTION CHARGES**

The Distribution Connection Charge is collected for providing and installing a new meter, electrical and/or distribution system review, and administrative costs for an approved Qualifying Facility. Distribution Connection Charges are detailed in the table below:

QF SERVICE TYPE:	CHARGE PER METER:	
RESIDENTIAL SERVICE RATE	\$500.00	ONE-TIME CHARGE
NON-RESIDENTIAL SERVICE RATE	\$1,000.00	ONE-TIME CHARGE

The Distribution Connection Charge is payable at the time of the executed inter-connection agreement, is a one-time charge, and is to be paid separately from a customer's utility bill. Distribution Connection Charges collected will not be applied to any past, current, or future utility bill of the Qualifying Facility.

**TAXES**

The rates set forth are based on currently effective taxes and the amount of any increase in existing or new taxes on the transmission, distribution or sale of electricity allocable to sales hereunder shall be added to the rates as appropriate to be paid by the customer.

Approved by Fairmont Public Utilities Commission January 18, 2022.



Fairmont Public Utilities  
**INTERCONNECTION**  
**AGREEMENT**

## Contents

i.	Contact Information.....	1
1	Scope and Limitations of Agreement.....	2
2	Responsibilities of the Parties.....	3
3	Parallel Operation Obligations.....	4
4	Metering.....	4
5	Distributed Energy Resource Capabilities and Grid Reliability.....	4
6	Equipment Testing and Inspection.....	5
7	Authorization Required Prior to Parallel Operation.....	5
8	Right of Access.....	5
9	Effective Date.....	6
10	Term of Agreement.....	6
11	Termination.....	6
12	Temporary Disconnection.....	6
13	Cost Responsibility for Interconnection Facilities and Distribution Upgrades.....	8
14	Cost Responsibility for Network Upgrades.....	9
15	Billing, Payment, Milestones, and Financial Security.....	11
16	Assignment, Force Majeure, Consequential Damages, and Default.....	12
17	Limitations of Liability.....	12
18	Non-Warranty.....	13
19	Indemnity.....	13
20	Consequential Damages.....	14
21	Force Majeure.....	14
22	Default.....	15
23	Insurance.....	15
24	Confidentiality.....	16
25	Disputes.....	17
26	Taxes.....	17
27	Miscellaneous.....	17
28	Notices.....	20

31 Signatures ..... 24

Attachment I: Glossary of Terms ..... 25

Attachment II: Description and Costs of the Distributed Energy Resource, Interconnection  
Facilities, and Metering Equipment..... 31

Attachment III: One-line Diagram Depicting the Distributed Energy Resource, Interconnection  
Facilities, and Metering Equipment, and Upgrades ..... 32

Attachment VII: Assignment of Interconnection Agreement ..... 33

## i. Contact Information

Contact information for each Party is listed below along with the basic information describing the Distributed Energy Resource (DER) system.

### Area EPS Operator Information

Area EPS Operator: Fairmont Public Utilities

Attention: Troy Nemmers

Address: 100 Downtown Plaza

Fairmont, MN 56031

Phone: 507-238-9461

Email: [tmemmers@fairmont.org](mailto:tmemmers@fairmont.org)

### Interconnection Customer Information

Interconnection Customer: Leo Detert

Attention: Leo Detert

Address: 532 State Hwy 15

Fairmont, MN 56031

Phone: 507-236-2090

Email: [Brady\\_anderson\\_22@hotmail.com](mailto:Brady_anderson_22@hotmail.com)

### DER System Information

Application Number: 2022-0001

Fixed Ground Mount with 28 Trina 365W solar modules

Type of DER System: and (1) Sma 7.7kW Inverter

Capacity Rating of System (AC): 10.22kW(DC)/7.7kW(AC)

Limited Capacity Rating (AC):

Address of DER System: 532 State Hwy 15

Fairmont, MN 56031

THIS AGREEMENT is made and entered into this \_\_\_\_ day of \_\_\_\_\_ 20\_\_ by and between \_\_\_\_ Leo Detert \_\_\_\_\_, (“Interconnection Customer”), and Fairmont Public Utilities, a municipal utility existing under the laws of the State of Minnesota, (“Area EPS Operator”). Interconnection Customer and Area EPS Operator each may be referred to as a “Party,” or collectively as the “Parties.”

In consideration of the mutual covenants set forth herein, the Parties agree as follows:

## **1 Scope and Limitations of Agreement**

- 1.1. This Agreement is intended to provide for the Interconnection Customer to interconnect at the Point of Common Coupling and operate a Distributed Energy Resource with a Nameplate Rating of 10 Megawatts (MW) or less in parallel with the Area EPS at the location identified above and in the Interconnection Application.
- 1.2. This Agreement shall be used for all Interconnection Applications submitted under the Municipal Minnesota Distributed Energy Resources Interconnection Process (M-MIP) except for those Interconnection Applications that qualify and choose for the Uniform Contract to replace the need for this Agreement.
- 1.3. This Agreement governs the terms and conditions under which the Interconnection Customer’s Distributed Energy Resource will interconnect with, and operate in parallel with, the Area EPS Operator’s Distribution System.
- 1.4. Capitalized terms used herein shall have the meanings specified in the Glossary of Terms in Attachment 1, the M-MIP, or the body of this Agreement.
- 1.5. This Agreement does not constitute an agreement to purchase or deliver the Interconnection Customer’s power. The purchase or delivery of power and other services that the Interconnection Customer may require will be covered under separate agreements, if any. The Interconnection Customer will be responsible for separately making all necessary arrangements (including scheduling) for delivery of electricity with the applicable Area EPS Operator.
- 1.6. Nothing in this Agreement is intended to affect any other agreement between the Area EPS Operator and the Interconnection Customer.



## 2 Responsibilities of the Parties

- 2.1. The Parties shall perform all obligations of this Agreement in accordance with the M-MIP, Minnesota Technical Requirements, all Applicable Laws and Regulations, Operating Requirements, and Good Utility Practice.
- 2.2. The Interconnection Customer shall construct, interconnect, operate and maintain its Distributed Energy Resource and construct, operate, and maintain its Interconnection Facilities in accordance with the applicable manufacturer's recommended maintenance schedule and, in accordance with this Agreement, and with Good Utility Practice.
- 2.3. The Area EPS Operator shall construct, operate, and maintain its Distribution System and its Interconnection Facilities in accordance with this Agreement, and with Good Utility Practice.
- 2.4. The Interconnection Customer agrees to construct its facilities or systems in accordance with the Minnesota Technical Requirements and this Agreement; including, applicable specifications that meet or exceed those provided by the National Electrical Safety Code, the American National Standards Institute, Institute of Electrical and Electronics Engineers (IEEE), Underwriter's Laboratory (UL), and Operating Requirements in effect at the time of construction and other applicable national and state codes and standards. The Interconnection Customer agrees to design, install, maintain, and operate its Distributed Energy Resource so as to reasonably minimize the likelihood of a disturbance adversely affecting or impairing the system or equipment of the Area EPS Operator and any Affected Systems.
- 2.5. Each Party shall operate, maintain, repair, and inspect, and shall be fully responsible for the facilities that it now owns or subsequently owns unless otherwise specified in the Attachments to this Agreement. Each Party shall be responsible for the safe installation, maintenance, repair and condition of their respective lines and appurtenances on their respective sides of the point of common coupling. The Area EPS Operator and the Interconnection Customer, as appropriate, shall provide Interconnection Facilities that adequately protect the Area EPS Operator's Distribution System, personnel, and other persons from damage and injury. The allocation of responsibility for the design, installation, operation, maintenance and ownership of Interconnection Facilities shall be delineated in the Attachments to this Agreement.
- 2.6. The Area EPS Operator shall coordinate with all Affected Systems to support the interconnection.

### **3 Parallel Operation Obligations**

- 3.1. Once the Distributed Energy Resource has been authorized to commence parallel operation, the Interconnection Customer shall abide by all rules and procedures pertaining to the parallel operation of the Distributed Energy Resource in the applicable control area, including, but not limited to; 1) the rules and procedures concerning the operation of generation set forth by the applicable system operator(s) for the Area EPS Operator's Distribution System provided or referenced in an attachment to this Agreement and; 2) the Operating Requirements set forth in Attachment 5 of this Agreement. The Minnesota Technical Requirements for interconnection are covered in a separate document, a copy of which has been made available to the Interconnection Customer and incorporated and made part of this Agreement by this reference.

### **4 Metering**

- 4.1. As described in M-MIP Overview Process Section 9.1, the Interconnection Customer shall be responsible for the Area EPS Operator's reasonable and necessary cost for the purchase, installation, operation, maintenance, testing, repair, and replacement of metering and data acquisition equipment specified in Attachments 2 and 3 of this Agreement. The Interconnection Customer's metering (and data acquisition, as required) equipment shall conform to applicable industry rules and Operating Requirements.

### **5 Distributed Energy Resource Capabilities and Grid Reliability**

- 5.1. The Minnesota Technical Requirements outlines the Parties responsibilities consistent with IEEE 1547 Standard for Interconnection and Interoperability of Distributed Energy Resources with Associated Electric Power Systems Interfaces which provides requirements relevant to the interconnection and interoperability performance, operation and testing, and, to safety, maintenance and security considerations.
- 5.2. The Area EPS Operator may offer the Interconnection Customer the option to utilize required DER capabilities to mitigate Interconnection Customer costs related to Upgrades or Interconnection Facilities to address anticipated system impacts from the engineering review (i.e. Initial Review, Supplemental Review, or Study Process described in the M-MIP.)

## **6 Equipment Testing and Inspection**

- 6.1. As described in M-MIP Overview Process Section 9.3, the Interconnection Customer shall test and inspect its Distributed Energy Resource and Interconnection Facilities prior to interconnection pursuant to Minnesota Technical Requirements and this Agreement.

## **7 Authorization Required Prior to Parallel Operation**

- 7.1. As described in M-MIP Overview Process Section 9.5, the Area EPS Operator shall use Reasonable Efforts to list applicable parallel operation requirements by attaching the Minnesota Technical Requirements and/or including them in Attachment 5 to this Agreement. Additionally, the Area EPS Operator shall notify the Interconnection Customer of any changes to these requirements as soon as they are known. Pursuant to the M-MIP Overview Process Section 8.5, the Interconnection Customer shall not operate its Distributed Energy Resource in parallel with the Area EPS Operator's Distribution System without prior written authorization of the Area EPS Operator.

## **8 Right of Access**

- 8.1. Upon reasonable notice, the Area EPS Operator may send a qualified person to the premises of the Interconnection Customer at or immediately before the time the Distributed Energy Resource first produces energy to inspect the interconnection, and observe the commissioning of the Distributed Energy Resource (including any required testing), startup, and operation for a period of up to three (3) Business Days after initial start-up of the unit. In addition, the Interconnection Customer shall notify the Area EPS Operator at least five (5) Business Days prior to conducting any on-site verification testing of the Distributed Energy Resource.
- 8.2. Following the initial inspection process described above, at reasonable hours, and upon reasonable notice, or at any time without notice in the event of an emergency or hazardous condition, the Area EPS Operator shall have access to the Interconnection Customer's premises for any reasonable purpose in connection with the performance of the obligations imposed on it by this Agreement or if necessary to meet its legal obligation to provide service to its customers.
- 8.3. Each Party shall be responsible for its costs associated with the interconnection of the DER system as outlined in M-MIP Overview Process Section 9.3 and the Minnesota Technical Requirements.

## 9 Effective Date

9.1 This Agreement shall become effective upon execution by the Parties.

## 10 Term of Agreement

10.1. This Agreement shall become effective on the Effective Date and shall remain in effect from the Effective Date unless terminated earlier in accordance with Section 11 of this Agreement.

## 11 Termination

- 11.1. No termination shall become effective until the Parties have complied with all Applicable Laws and Regulations applicable to such termination.
- 11.2. The Interconnection Customer may terminate this Agreement at any time by giving the Area EPS Operator twenty (20) Business Days written notice.
- 11.3. The Area EPS Operator may terminate this Agreement if the listed electric generating facilities are not interconnected to the Area EPS Operator's distribution system within thirty-six (36) months of this Agreement signed by the Parties. The Parties may choose to delay termination by mutual agreement.
- 11.4. Either Party may terminate this Agreement after Default pursuant to Section 3.
- 11.5. Upon termination of this Agreement, the Distributed Energy Resource will be disconnected from the Area EPS Operator's Distribution System. All costs required to effectuate such disconnection shall be borne by the terminating Party, unless such termination resulted from the non-terminating Party's Default of this Agreement or such non-terminating Party otherwise is responsible for these costs under this Agreement.
- 11.6. The termination of this Agreement shall not relieve either Party of its liabilities and obligations, owed or continuing at the time of the termination.
- 11.7. The provisions of this article shall survive termination or expiration of this Agreement.

## 12 Temporary Disconnection

12.1. Temporary disconnection shall continue only for so long as reasonably necessary under Good Utility Practice.

- 12.2. Emergency Conditions. Under emergency conditions, the Area EPS Operator may immediately suspend interconnection service and temporarily disconnect the Distributed Energy Resource. The Area EPS Operator shall use Reasonable Efforts to notify the Interconnection Customer promptly when it becomes aware of an Emergency Condition that may reasonably be expected to affect the Interconnection Customer's operation of the Distributed Energy Resource. The Interconnection Customer shall use Reasonable Efforts to notify the Area EPS Operator promptly when it becomes aware of an Emergency Condition that may reasonably be expected to affect the Area EPS Operator's Distribution System or any Affected Systems. To the extent information is known, the notification shall describe the Emergency Condition, the extent of the damage or deficiency, the expected effect on the operation of both Parties' facilities and operations, its anticipated duration, and the necessary corrective action.
- 12.3. Temporary Interruption. The Area EPS Operator may interrupt interconnection service or curtail the output of the Distributed Energy Resource and temporarily disconnect the Distributed Energy Resource from the Area EPS Operator's Distribution System when necessary for routine maintenance, construction, or repairs on the Area EPS Operator's Distribution System. The Area EPS Operator shall use Reasonable Efforts to provide the Interconnection Customer with three (3) Business Days' notice prior to such interruption. The Area EPS Operator shall use Reasonable Efforts to coordinate such reduction or temporary disconnection with the Interconnection Customer.
- 12.4. Forced Outage. During any forced outage, the Area EPS Operator may suspend interconnection service to effect immediate repairs on the Area EPS Operator's Distribution System. The Area EPS Operator shall use Reasonable Efforts to provide the Interconnection Customer with prior notice. If prior notice is not given, the Area EPS Operator shall, upon request, provide the Interconnection Customer written documentation after the fact explaining the circumstances of the disconnection.
- 12.5. Adverse Operating Effects. The Area EPS Operator shall notify the Interconnection Customer as soon as practicable if, based on Good Utility Practice, operation of the Distributed Energy Resource may cause disruption or deterioration of service to other customers served from the same electric system, or if operating the Distributed Energy Resource could cause damage to the Area EPS Operator's Distribution System or Affected Systems. Supporting documentation used to reach the decision to disconnect shall be provided to the Interconnection Customer upon request. If, after notice, the Interconnection Customer fails to remedy the adverse operating effect within a reasonable time, the Area EPS Operator may disconnect the Distributed Energy Resource. The Area EPS Operator shall provide the Interconnection Customer



with five Business Day notice of such disconnection, unless the provisions of Section 12.2 apply.

- 12.6. Modification of the Distributed Energy Resource. The Interconnection Customer must receive written authorization from the Area EPS Operator before making any change to the Distributed Energy Resource that may have a material impact on the safety or reliability of the Distribution System. Such authorization shall not be unreasonably withheld if the modification is not a Material Modification. Material Modifications, including an increase Nameplate Rating or capacity, may require the Interconnection Customer to submit a new Interconnection Application as described in the M-MIP Overview Process Section 7. If the Interconnection Customer makes such modification without the Area EPS Operator's prior written authorization, the latter shall have the right to temporarily disconnect the Distributed Energy Resource.
- 12.7. Reconnection. The Parties shall cooperate with each other to restore the Distributed Energy Resource, Interconnection Facilities, and the Area EPS Operator's Distribution System to their normal operating state as soon as reasonably practicable following a temporary disconnection.
- 12.8. Treatment Similar to Other Retail Customers. If the Interconnection Customer receives retail electrical service at the same site as the Distributed Energy Resource, it may also be disconnected consistent with the rules and practices for disconnecting other retail electrical customer.
- 12.9. Disconnection for Default. If the Interconnection Customer is in Default of this Agreement, it may be disconnected after a sixty (60) day written notice is provided and the Default is not cured during this sixty (60) day notice. This provision does not apply to disconnection based on Sections 12.2, 12.3, 12.4 or 12.5 of this Agreement.

### **13 Cost Responsibility for Interconnection Facilities and Distribution Upgrades**

- 13.1 Interconnection Facilities. The Interconnection Customer shall pay for the cost of the Interconnection Facilities itemized in Attachment 2 of this Agreement. The Area EPS Operator shall provide a good faith estimate cost, including overheads, for the purchase and construction of its Interconnection Facilities and provide a detailed itemization of such costs. Costs associated with Interconnection Facilities may be shared with other entities that may benefit from such facilities by agreement of the Interconnection Customer, such other entities, and the Area EPS Operator.

59



- 13.2 The Interconnection Customer shall be responsible for its share of all reasonable expenses, including overheads, associated with (1) owning, operating, maintaining, repairing, and replacing its own Interconnection Facilities, and (2) operating, maintaining, repairing, and replacing the Area EPS Operator's Interconnection Facilities.
- 13.3 Distribution Upgrades. The Area EPS Operator shall design, procure, construct, install, and own the Distribution Upgrades described in Attachment 6 of this Agreement. The Area EPS Operator shall provide a good faith estimate cost, including overheads, for the purchase and construction of the Distribution Upgrades and provide a detailed itemization of such costs. If the Area EPS Operator and the Interconnection Customer agree, the Interconnection Customer may construct Distribution Upgrades that are located on land owned by the Interconnection Customer. The actual cost of the Distribution Upgrades, including overheads, shall be directly assigned to the Interconnection Customer.

## **14 Cost Responsibility for Network Upgrades**

- 14.1. Applicability. No portion of Section 14 shall apply unless the interconnection of the Distributed Energy Resource requires Network Upgrades.
- 14.2. Network Upgrades. The Area EPS Operator or the Transmission Owner shall design, procure, construct, install, and own the Network Upgrades described in Attachment 6 of this Agreement. The Area EPS Operator shall provide a good faith estimate cost, including overheads, for the purchase and construction of the Network Upgrades and provide a detailed itemization of such costs. If the Area EPS Operator and the Interconnection Customer agree, the Interconnection Customer may construct Network Upgrades that are located on land owned by the Interconnection Customer. Unless the Area EPS Operator elects to pay for Network Upgrades, the actual cost of the Network Upgrades, including overheads, shall be borne initially by the Interconnection Customer.
- 14.3. Repayment of Amounts Advanced for Network Upgrades. The Interconnection Customer shall be entitled to a cash repayment, equal to the total amount paid to the Area EPS Operator and Affected System operator, if any, for Network Upgrades, including any tax gross-up or other tax-related payments associated with the Network Upgrades, and not otherwise refunded to the Interconnection Customer, to be paid to the Interconnection Customer on a dollar-for-dollar basis for the non-usage sensitive portion of transmission charges, as payments are made under the Area EPS Operator's Tariff and Affected System's Tariff for transmission services with respect to the Distributed Energy Resource. Any repayment shall include interest

calculated in accordance with the methodology set forth in Federal Energy Regulatory Commission's (FERC's) regulations at 18 C.F.R. § 35.19a(a)(2)(iii) from the date of any payment for Network Upgrades through the date on which the Interconnection Customer receives a repayment of such payment pursuant to this subparagraph. The Interconnection Customer may assign such repayment rights to any person.

- 14.4. Notwithstanding the foregoing, the Interconnection Customer, the Area EPS Operator, and any applicable Affected System operators may adopt any alternative payment schedule that is mutually agreeable so long as the Area EPS Operator and said Affected System operators take one of the following actions no later than five years from the Commercial Operation Date: (1) return to the Interconnection Customer any amounts advanced for Network Upgrades not previously repaid, or (2) declare in writing that the Area EPS Operator or any applicable Affected System operators will continue to provide payments to the Interconnection Customer on a dollar-for-dollar basis for the non-usage sensitive portion of transmission charges, or develop an alternative schedule that is mutually agreeable and provides for the return of all amounts advanced for Network Upgrades not previously repaid; however, full reimbursement shall not extend beyond 20 years from the commercial operation date.
- 14.5. If the Distributed Energy Resource fails to achieve commercial operation, but it or another Distributed Energy Resource is later constructed and requires use of the Network Upgrades, the Area EPS Operator and Affected System operator shall at that time reimburse the Interconnection Customer for the amounts advanced for the Network Upgrades. Before any such reimbursement can occur, the Interconnection Customer, or the entity that ultimately constructs the Distributed Energy Resource, if different, is responsible for identifying the entity to which reimbursement must be made.
- 14.6. Special Provisions for Affected Systems. Unless the Area EPS Operator provides, under this Agreement, for the repayment of amounts advanced to any applicable Affected System operators for Network Upgrades, the Interconnection Customer and Affected System operator shall enter into an agreement that provides for such repayment. The agreement shall specify the terms governing payments to be made by the Interconnection Customer to Affected System operator as well as the repayment by Affected System Operator.
- 14.7. Rights Under Other Agreements. Notwithstanding any other provision of this Agreement, nothing herein shall be construed as relinquishing or foreclosing any rights, including but not limited to firm transmission rights, capacity rights, transmission congestion rights, or transmission credits, that the Interconnection

Customer shall be entitled to, now or in the future, under any other agreement or tariff as a result of, or otherwise associated with, the transmission capacity, if any, created by the Network Upgrades, including the right to obtain cash reimbursements or transmission credits for transmission service that is not associated with the Distributed Energy Resource.

## **15 Billing, Payment, Milestones, and Financial Security**

- 15.1. Billing and Payment Procedures and Final Accounting. The Area EPS Operator shall bill the Interconnection Customer for the design, engineering, construction, and procurement costs of Interconnection Facilities and Upgrades contemplated by this Agreement, and the Interconnection Customer shall pay each bill, pursuant to the M-MIP Interconnection Process documents, or as otherwise agreed to by the Parties.
- 15.2. Within 80 Business Days (approximately 4 calendar months) of completing the construction and installation of the Area EPS Operator's Interconnection Facilities and/or Upgrades described in the Attachments to this Agreement, the Area EPS Operator shall provide the Interconnection Customer with a final accounting report, as described in the M-MIP Fast Track Process Section 9.4.3 and the Study Process Section 11.4.3.
- 15.3. Milestones. Pursuant to the M-MIP Fast Track Process Section 9.1 and the Study Process Section 11.1, the Parties shall agree on milestones for which each Party is responsible and list them in Attachment 4 of this Agreement.
- 15.4. Financial Security Arrangements. Pursuant to the M-MIP Fast Track Process Section 9.5 and the Study Process Section 11.5, the Interconnection Customer shall provide the Area EPS Operator, at the Interconnection Customer's option, a guarantee, letter of credit or other form of security that is reasonably acceptable to the Area EPS Operator and is consistent with the Minnesota Uniform Commercial Code. Such security for payment shall be in an amount sufficient to cover the costs for constructing, designing, procuring, and installing the applicable portion of the Area EPS Operator's Interconnection Facilities and Upgrades and shall be reduced on a dollar-for-dollar basis for payments made to the Area EPS Operator under this Agreement during its term. In addition:
- 15.4.1. The guarantee must be made by an entity that meets the creditworthiness requirements of the Area EPS Operator, and contain terms and conditions that guarantee payment of any amount that may be due from the Interconnection Customer, up to an agreed-to maximum amount.

- 15.4.2. The letter of credit must be issued by a financial institution or insurer reasonably acceptable to the Area EPS Operator and must specify a reasonable expiration not sooner than sixty (60) Business Days (three calendar months) after the due date for the issuance of the final bill.

## **16 Assignment, Force Majeure, Consequential Damages, and Default**

- 16.1. This Agreement may be assigned by either Party upon 15 Business Days prior written notice and opportunity to object by the other Party; provided that:

- 16.1.1. Either Party may assign this Agreement without the consent of the other Party to any affiliate of the assigning Party with an equal or greater credit rating and with the legal authority and operational ability to satisfy the obligations of the assigning Party under this Agreement, provided that the Interconnection Customer promptly notifies the Area EPS Operator of any such assignment.
- 16.1.2. Interconnection Customer shall have the right to assign this Agreement, without the consent of the Area EPS Operator, for collateral security purposes to aid in providing financing for the Distributed Energy Resource, provided that the Interconnection Customer will promptly notify the Area EPS Operator of any such assignment.
- 16.1.3. Any attempted assignment that violates this article is void and ineffective. Assignment shall not relieve a Party of its obligations, nor shall a Party's obligations be enlarged, in whole or in part, by reason thereof. An assignee is responsible for meeting the same financial, credit, and insurance obligations as the Interconnection Customer. Where required, consent to assignment will not be unreasonably withheld, conditioned or delayed.

## **17 Limitations of Liability**

- 17.1. Each Party's liability to the other Party for any loss, cost, claim, injury, liability, or expense, including reasonable attorney's fees, relating to or arising from any act or omission in its performance of this Agreement, shall be limited to the amount of direct damage actually incurred. In no event shall either Party be liable to the other Party for any indirect, special, consequential, or punitive damages, except as authorized by this Agreement.

## 18 Non-Warranty

18.1. The Area EPS Operator does not give any warranty, expressed or implied, as to the adequacy, safety, or other characteristics of any structures, equipment, wires, appliances or devices owned, installed or maintained by the Interconnection Customer, including without limitation the Distributed Energy Resource and any structures, equipment, wires, appliances or devices not owned, operated or maintained by the Area EPS Operator.

## 19 Indemnity

- 19.1. This provision protects each Party from liability incurred to third parties as a result of carrying out the provisions of this Agreement. Liability under this provision is exempt from the general limitations on liability found in Section 17.
- 19.2. The Parties shall at all times indemnify, defend, and hold the other Party harmless from, any and all damages, losses, claims, including claims and actions relating to injury to or death of any person or damage to property, demand, suits, recoveries, costs and expenses, court costs, attorney fees, and all other obligations by or to third parties, arising out of or resulting from the other Party's action or failure to meet its obligations under this Agreement on behalf of the indemnifying Party, except in cases of gross negligence or intentional wrongdoing by the indemnified Party.
- 19.3. If an indemnified person is entitled to indemnification under this article as a result of a claim by a third party, and the indemnifying Party fails, after notice and reasonable opportunity to proceed under this article, to assume the defense of such claim, such indemnified person may at the expense of the indemnifying Party contest, settle or consent to the entry of any judgment with respect to, or pay in full, such claim.
- 19.4. If an indemnifying party is obligated to indemnify and hold any indemnified person harmless under this article, the amount owing to the indemnified person shall be the amount of such indemnified person's actual loss, net of any insurance or other recovery.
- 19.5. Promptly after receipt by an indemnified person of any claim or notice of the commencement of any action or administrative or legal proceeding or investigation as to which the indemnity provided for in this article may apply, the indemnified person shall notify the indemnifying party of such fact. Any failure of or delay in such notification shall not affect a Party's indemnification obligation unless such failure or delay is materially prejudicial to the indemnifying party.





- 19.6. This indemnification obligation shall apply notwithstanding any negligent or intentional acts, errors or omissions of the Indemnified Party, but the Indemnifying Party's liability to indemnify the Indemnifying Party shall be reduced in proportion to the percentage by which the Indemnified Party's negligent or intentional acts, errors or omissions caused damaged.
- 19.7. Neither Party shall be indemnified for its damages resulting from its sole negligence, intentional acts or willful misconduct. These indemnity provisions shall not be construed to relieve any insurer of its obligation to pay claims consistent with the provisions of a valid insurance policy.

## 20 Consequential Damages

- 20.1. Other than as expressly provided for in this Agreement, neither Party shall be liable under any provision of this Agreement for any losses, damages, costs or expenses for any special, indirect, incidental, consequential, or punitive damages, including but not limited to loss of profit or revenue, loss of the use of equipment, cost of capital, cost of temporary equipment or services, whether based in whole or in part in contract, in tort, including negligence, strict liability, or any other theory of liability; provided, however, that damages for which a Party may be liable to the other Party under another agreement will not be considered to be special, indirect, incidental, or consequential damages hereunder.

## 21 Force Majeure

- 21.1. If a Force Majeure Event prevents a Party from fulfilling any obligations under this Agreement, the Party affected by the Force Majeure Event (Affected Party) shall promptly notify the other Party, either in writing or via the telephone, of the existence of the Force Majeure Event. The notification must specify in reasonable detail the circumstances of the Force Majeure Event, its expected duration, and the steps that the Affected Party is taking to mitigate the effects of the event on its performance. The Affected Party shall keep the other Party informed on a continuing basis of developments relating to the Force Majeure Event until the event ends. The Affected Party will be entitled to suspend or modify its performance of obligations under this Agreement (other than the obligation to make payments) only to the extent that the effect of the Force Majeure Event cannot be mitigated by the use of Reasonable Efforts. The Affected Party will use Reasonable Efforts to resume its performance as soon as possible.



## 22 Default

- 22.1. No Default shall exist where such failure to discharge an obligation (other than the payment of money) is the result of a Force Majeure Event as defined in this Agreement or the result of an act or omission of the other Party. Upon a Default, the non-defaulting Party shall give written notice of such Default to the defaulting Party. Except as provided in Section 21, the defaulting Party shall have sixty (60) calendar days from receipt of the Default notice within which to cure such Default; provided however, if such Default is not capable of cure within sixty (60) calendar days, the defaulting Party shall commence such cure within twenty (20) calendar days after notice and continuously and diligently complete such cure within six (6) months from receipt of the Default notice; and, if cured within such time, the Default specified in such notice shall cease to exist.
- 22.2. If a Default is not cured as provided in this article, or if a Default is not capable of being cured within the period provided for herein, the non-defaulting Party shall have the right to terminate this Agreement by written notice at any time until cure occurs, and be relieved of any further obligation hereunder and, whether or not that Party terminates this Agreement, to recover from the defaulting Party all amounts due hereunder, plus all other damages and remedies to which it is entitled at law or in equity. The provisions of this article will survive termination of this Agreement.

## 23 Insurance

- 23.1. An Area EPS Operator may only require an Interconnection Customer to purchase insurance covering damages pursuant to the applicable M-MIP process document in which the distributed energy resource falls under.
- 23.2. The Area EPS Operator agrees to maintain general liability insurance or self-insurance consistent with the Area EPS Operator's commercial practice. Such insurance or self-insurance shall not exclude coverage for the Area EPS Operator's liabilities undertaken pursuant to this Agreement.
- 23.3. The Parties further agree to notify each other whenever an accident or incident occurs resulting in any injuries or damages that are included within the scope of coverage of such insurance, whether or not such coverage is sought.
- 23.4. Failure of the Interconnection Customer or Area EPS Operator to enforce the minimum levels of insurance does not relieve the Interconnection Customer from maintaining such levels of insurance or relieve the Interconnection Customer of any liability.

## 24 Confidentiality

- 24.1. Confidential Information shall mean any confidential and/or proprietary information provided by one Party to the other Party that is clearly marked or otherwise designated "Confidential." For purposes of this Agreement, design, operating specifications, and metering data provided by the Interconnection Customer may be deemed Confidential Information regardless of whether it is clearly marked or otherwise designated as such. If requested by either Party, the other Party shall provide in writing the basis for asserting that the information warrants confidential treatment. Parties providing a Governmental Authority trade secret, privileged or otherwise not public data under Minnesota Government Data Privacy Act, Minnesota Statutes Chapter 13, must provide information consistent with the Commission's September 1, 1999 Revised Procedures for Handling Trade Secret and Privileged Data.
- 24.2. Confidential Information does not include information previously in the public domain with proper authorization, required to be publicly submitted or divulged by Governmental Authorities (after notice to the other Party and after exhausting any opportunity to oppose such publication or release), or necessary to be publicly divulged in an action to enforce this Agreement. Each Party receiving Confidential Information shall hold such information in confidence and shall not disclose it to any third party nor to the public without the prior written authorization from the Party providing that information, except to fulfill obligations under this Agreement, or to fulfill legal or regulatory requirements that could not otherwise be fulfilled by not making the information public.
- 24.3. Each Party shall hold in confidence and shall not disclose Confidential Information, to any person (except employees, officers, representatives and agents, who agree to be bound by this section). Confidential Information shall be clearly marked as such on each page or otherwise affirmatively identified. If a court, government agency or entity with the right, power, and authority to do so, requests or requires either Party, by subpoena, oral disposition, interrogatories, requests for production of documents, administrative order, or otherwise, to disclose Confidential Information, that Party shall provide the other Party with prompt notice of such request(s) or requirements(s) so that the other Party may seek an appropriate protective order or waive compliance with the terms of this Agreement. In the absence of a protective order or waiver the Party shall disclose such confidential information which, in the opinion of its counsel, the party is legally compelled to disclose. Each Party will use reasonable efforts to obtain reliable assurance that confidential treatment will be accorded any confidential information so furnished.

- 24.4. Critical infrastructure information or information that is deemed or otherwise designated by a Party as Critical Energy/Electric Infrastructure Information (CEII) pursuant to FERC regulation 18 C.F.R. §388.133, as may be amended from time to time, may be subject to further protections for disclosure as required by FERC or FERC regulations or orders and the disclosing Party's CEII policies.
- 24.5. Each Party shall employ at least the same standard of care to protect Confidential Information obtained from the other Party as it employs to protect its own Confidential Information.
- 24.6. Each Party is entitled to equitable relief, by injunction or otherwise, to enforce its rights under this provision to prevent the release of Confidential Information without bond or proof of damages, and may seek other remedies available at law or in equity for breach of this provision.

## 25 Disputes

The Parties agree in a good faith effort to attempt to resolve all disputes arising out of the interconnection process and associated study and Interconnection Agreements. The Parties agree to follow the established dispute resolution policy adopted by the Area EPS Operator.

## 26 Taxes

- 26.1. The Parties agree to follow all applicable tax laws and regulations, consistent with Internal Revenue Service and any other relevant local, state and federal requirements.
- 26.2. Each Party shall cooperate with the other to maintain the other Party's tax status. It is incumbent on the Party seeking to maintain its tax status to provide formal written notice to the other Party detailing what exact cooperation it is seeking from the other Party well prior to any deadlines by which any such action would need to be taken. Nothing in this Agreement is intended to adversely affect, if applicable, the Area EPS Operator's tax-exempt status with respect to the issuance of bonds including, but not limited to, local furnishing bonds.

## 27 Miscellaneous

- 27.1. Governing Law, Regulatory Authority, and Rules. The validity, interpretation and enforcement of this Agreement and each of its provisions shall be governed by the Area EPS Operator's board of directors and the laws of the state of Minnesota, without regard to its conflicts of law principles. This Agreement is subject to all

Applicable Laws and Regulations. Each Party expressly reserves the right to seek changes in, appeal, or otherwise contest any laws, orders, or regulations of a Governmental Authority.

- 27.2. Amendment. The Parties may amend this Agreement by a written instrument duly executed by both Parties, or under Section 27.12 of this Agreement.
- 27.3. No Third-Party Beneficiaries. This Agreement is not intended to and does not create rights, remedies, or benefits of any character whatsoever in favor of any persons, corporations, associations, or entities other than the Parties, and the obligations herein assumed are solely for the use and benefit of the Parties, their successors in interest and where permitted, their assigns.
- 27.4. Waiver. The failure of a Party to this Agreement to insist, on any occasion, upon strict performance of any provision of this Agreement will not be considered a waiver of any obligation, right, or duty of, or imposed upon, such Party. Any waiver at any time by either Party of its rights with respect to this Agreement shall not be deemed a continuing waiver or a waiver with respect to any other failure to comply with any other obligation, right, duty of this Agreement. Termination or default of this Agreement for any reason by Interconnection Customer shall not constitute a waiver of the Interconnection Customer's legal rights to obtain an interconnection from the Area EPS Operator. Any waiver of this Agreement shall, if requested, be provided in writing.
- 27.5. Entire Agreement. This Agreement, including all Attachments, constitutes the entire agreement between the Parties with reference to the subject matter hereof, and supersedes all prior and contemporaneous understandings or agreements, oral or written, between the Parties with respect to the subject matter of this Agreement. There are no other agreements, representations, warranties, or covenants which constitute any part of the consideration for, or any condition to, either Party's compliance with its obligations under this Agreement. This Agreement can only be amended or modified in writing signed by both Parties.
- 27.6. Multiple Counterparts. This Agreement may be executed in two or more counterparts, each of which is deemed an original but all constitute one and the same instrument. Electronic signatures are acceptable if the Area EPS Operator has made such a determination pursuant to M-MIP Overview Process Section 4.1.
- 27.7. No Partnership. This Agreement shall not be interpreted or construed to create an association, joint venture, agency relationship, or partnership between the Parties or to impose any partnership obligation or partnership liability upon either Party.



Neither Party shall have any right, power or authority to enter into any agreement or undertaking for, or act on behalf of, or to act as or be an agent or representative of, or to otherwise bind, the other Party.

27.8. Severability. If any provision or portion of this Agreement shall for any reason be held or adjudged to be invalid or illegal or unenforceable by any court of competent jurisdiction or other Governmental Authority, (1) such portion or provision shall be deemed separate and independent, (2) the Parties shall negotiate in good faith to restore insofar as practicable the benefits to each Party that were affected by such ruling, and (3) the remainder of this Agreement shall remain in full force and effect.

27.9. Security Arrangements. Infrastructure security of electric system equipment and operations and control hardware and software is essential to ensure day-to-day reliability and operational security. All public utilities are expected to meet basic standards for system infrastructure and operational security, including physical, operational, and cyber-security practices.

27.10. Environmental Releases. Each Party shall notify the other Party, first orally and then in writing, of the release of any hazardous substances, any asbestos or lead abatement activities, or any type of remediation activities related to the Distributed Energy Resource or the Interconnection Facilities, each of which may reasonably be expected to affect the other Party. The notifying Party shall (1) provide the notice as soon as practicable, provided such Party makes a good faith effort to provide the notice no later than 24 hours after such Party becomes aware of the occurrence, and (2) promptly furnish to the other Party copies of any publicly available reports filed with any governmental authorities addressing such events.

27.11. Subcontractors. Nothing in this Agreement shall prevent a Party from utilizing the services of any subcontractor as it deems appropriate to perform its obligations under this Agreement. Each Party shall require its subcontractors to comply with all applicable terms and conditions of this Agreement in providing such services and each Party shall remain primarily liable to the other Party for the performance of such subcontractor.

27.11.1. The creation of any subcontract relationship shall not relieve the hiring Party of any of its obligations under this Agreement. The hiring Party shall be fully responsible to the other Party for the acts or omissions of any subcontractor the hiring Party hires as if no subcontract had been made. In no event shall the Area EPS Operator be liable for the actions or inactions of the Interconnection Customer or its subcontractors with respect to obligations of the Interconnection Customer under this

Agreement. Any applicable obligation imposed by this Agreement upon the hiring Party shall be equally binding upon, and shall be construed as having application to, any subcontractor of such Party.

27.11.2. The obligations under this article will not be limited in any way by any limitation of subcontractor's insurance.

27.12. Inclusion of Area EPS Operator Tariff and Rules. The interconnection services provided under this Agreement shall at all times be subject to the terms and conditions set forth in the rate schedules and rules applicable to the electric service provided by the Area EPS Operator, which rate schedules and rules are hereby incorporated into this Agreement by this reference.

## 28 Notices

28.1. General. Unless otherwise provided in this Agreement, any written notice, demand, or request required or authorized in connection with this Agreement ("Notice") shall be deemed properly given if delivered in person, delivered by recognized national courier service, or sent by first class mail, postage prepaid, to the person specified as follows:



Area EPS Operator Information

Area EPS Operator: Fairmont Public Utilities

Attention: Troy Nemmers

Address: 100 Downtown Plaza

Fairmont, MN 56031

Phone: 507-238-9461

Email: tnemmers@fairmont.org

Interconnection Customer Information

Interconnection Customer: Leo Detert

Attention: Leo Detert

Address: 532 State Hwy 15

Fairmont, MN 56031

Phone: 507-236-2090

Email: Brady\_anderson\_22@hotmail.com

28.2. Billing and Payment. Billing and payments shall be sent to the addresses set out below:

Area EPS Operator Information

Area EPS Operator: Fairmont Public Utilities

Attention: Troy Nemmers

Address: 100 Downtown Plaza

Fairmont, MN 56031

Phone: 507-238-9461

Email: tnemmers@fairmont.org

Interconnection Customer Information

Interconnection Customer: Leo Detert  
Attention: Leo Detert  
Address: 532 State Hwy 15  
Fairmont, MN 56031  
Phone: 507-236-2090  
Email:

28.3. Alternative Forms of Notice. Any notice or request required or permitted to be given by either Party to the other and not required by this Agreement to be given in writing may be so given by telephone or e mail to the telephone numbers and e-mail addresses set out below:

Area EPS Operator Information

Area EPS Operator: Fairmont Public Utilities  
Attention: Troy Nemmers  
Address: 100 Downtown Plaza  
Fairmont, MN 56031  
Phone: 507-238-4961  
Email: tnemmers@fairmont.org

Interconnection Customer Information

Interconnection Customer:  
Attention:  
Address:  
Phone:  
Email:

28.4. Designated Operating Representative. The Parties may also designate operating representatives to conduct the communications which may be necessary or convenient for the administration of this Agreement. This person will also serve as the point of contact with respect to operations and maintenance of the Party's facilities.

Area EPS Operator Information

Area EPS Operator: Fairmont Public Utilities  
Attention: Troy Nemmers  
Address: 100 Downtown Plaza  
Fairmont, MN 56031  
Phone: 507-238-9461  
Email: tnmembers@fairmont.org

Interconnection Customer Information

Interconnection Customer:  
Attention:  
Address:  
Phone:  
Email:

28.5. Changes to Notification. Either Party may change this information by giving five Business Days written notice to the other Party prior to the effective date of the change.

### 31 Signatures

**IN WITNESS THEREOF**, the Parties have caused this Agreement to be duly executed by their duly authorized officers or agents on the day and year first above written.

Fairmont Public Utilities

Blue Earth Valley Telephone Company

\_\_\_\_\_

\_\_\_\_\_

Signed: \_\_\_\_\_

Signed: \_\_\_\_\_

Name (Printed):

Name (Printed):

Troy Nemmers

Leo Detert

Title: Director Public Works/City Engineer

Title: Owner

75

## Attachment I: Glossary of Terms

**Affected System** – Another Area EPS Operator’s System, Transmission Owner’s Transmission System, or Transmission System connected generation which may be affected by the proposed interconnection.

**Applicant Agent** – A person designated in writing by the Interconnection Customer to represent or provide information to the Area EPS on the Interconnection Customer’s behalf throughout the interconnection process.

**Area EPS** – The electric power distribution system connected at the Point of Common Coupling.

**Area EPS Operator** – An entity that owns, controls, or operates the electric power distribution systems that are used for the provision of electric service in Minnesota. For this Interconnection Process the Area EPS Operator is Fairmont Public Utilities

**Business Day** – Monday through Friday, excluding Holidays as defined by Minn. Stat. §645.44, Subdivision 5. Any communication to have been sent or received after 4:30 p.m. Central Prevailing Time or on a Saturday, Sunday or holiday shall be considered to have been sent on the next Business Day.

**Certified Equipment** – Certified equipment is equipment that has been tested by a national recognized lab meeting a specific standard. For DER systems, UL 1741 listing is a common form of DER inverter certification. Additional information is seen in the Certification Codes and Standards document.

**Confidential Information** – Any confidential and/or proprietary information provided by one Party to the other Party and is clearly marked or otherwise designated “Confidential.” All procedures, design, operating specifications, and metering data provided by the Interconnection Customer may be deemed Confidential Information. See Overview Process Section 12.1 for further information.

**Distributed Energy Resource (DER)** – A source of electric power that is not directly connected to a bulk power system or central station service. DER includes both generators and energy storage technologies capable of exporting active power to an EPS. An interconnection system or a supplemental DER device that is necessary for compliance with this standard is part of a DER. For the purpose of the Interconnection Process and interconnection agreements, the DER includes the Customer’s Interconnection Facilities but shall not include the Area EPS Operator’s Interconnection Facilities.

**Distribution System** – The Area EPS facilities which are not part of the Local EPS, Transmission System or any generation system.

**Distribution Upgrades** – The additions, modifications, and upgrades to the Distribution System at or beyond the Point of Common Coupling to facilitate interconnection of the DER and render the distribution service necessary to affect the Interconnection Customer’s connection to the Distribution System. Distribution Upgrades do not include Interconnection Facilities.

**Electric Power System (EPS)** – The facilities that deliver electric power to a load.

**Fast Track Process** – The procedure as described in the Interconnection Process - Fast Track Process for evaluating an Interconnection Application for a DER that meets the eligibility requirements in the Overview Process Section 2.3.

**Force Majeure Event** – An act of God, labor disturbance, act of the public enemy, war, insurrection, riot, fire, storm or flood, explosion, breakage or accident to machinery or equipment, an order, regulation or restriction imposed by governmental, military or lawfully established civilian authorities, or another cause beyond a Party’s control. A Force Majeure Event does not include an act of negligence or intentional wrongdoing.

**Good Utility Practice** – Any of the practices, methods and acts engaged in or approved by a significant portion of the electric industry during the relevant time period, or any of the practices, methods and act which, in the exercise of reasonable judgment in light of the facts known at the time the decision was made, could have been expected to accomplish the desired result at a reasonable cost consistent with good business practices, reliability, safety and expedition. Good Utility Practice is not intended to be limited to the optimum practice, method, or act to the exclusion of all others, but rather to be acceptable practices, methods, or acts generally accepted in the region.

**Governmental Authority** – Any federal, state, local or other governmental regulatory or administrative agency, court, commission, department, board, or other governmental subdivision, legislature, rulemaking board, tribunal, or other governmental authority having jurisdiction over the Parties, their respective facilities, or the respective services they provide, and exercising or entitled to exercise any administrative, executive, police, or taxing authority or power; provided, however, that such term does not include the Interconnection Customer, the Area EPS Operator, or any Affiliate thereof. The utility’s local governing body is the authority governing interconnection requirements unless otherwise provided for in the Minnesota Technical Requirements.

**Interconnection Agreement** – The terms and conditions between the Area EPS Operator and Interconnection Customer (Parties). See Section 8 in the Overview Process **Error! Reference source not found.** for when the Uniform Contract or Interconnection Agreement applies.

**Interconnection Application** – The Interconnection Customer’s request to interconnect a new or modified, as described in Section 4 of the Overview Process, DER. See Simplified Application Form and Interconnection Application Form.



**Interconnection Customer** – The person or entity, including the Area EPS Operator, whom will be the owner of the DER that proposes to interconnect a DER(s) with the Area EPS Operator’s Distribution System. The Interconnection Customer is responsible for ensuring the DER(s) is designed, operated and maintained in compliance with the Minnesota Technical Requirements.

**Interconnection Facilities** – The Area EPS Operator’s Interconnection Facilities and the Interconnection Customer’s Interconnection Facilities. Collectively, Interconnection Facilities include all facilities and equipment between the DER and the Point of Common Coupling, including any modification, additions or upgrades that are necessary to physically and electrically interconnect the DER to the Area EPS Operator’s System. Some examples of Customer Interconnection Facilities include: supplemental DER devices, inverters, and associated wiring and cables up to the Point of DER Connection. Some examples of Area EPS Operator Interconnection Facilities include sole use facilities; such as, line extensions, controls, relays, switches, breakers, transformers and shall not include Distribution Upgrades or Network Upgrades.

**Interconnection Process** – The Area EPS Operator’s interconnection standards in this document.

**Material Modification** – A modification to machine data, equipment configuration or to the interconnection site of the DER at any time after receiving notification by the Area EPS Operator of a complete Interconnection Application that has a material impact on the cost, timing, or design of any Interconnection Facilities or Upgrades, or a material impact on the cost, timing or design of any Interconnection Application with a later Queue Position or the safety or reliability of the Area EPS.<sup>1</sup>

**MN Technical Requirements** – The term including all of the DER technical interconnection requirement documents for the state of Minnesota; including Attachment 2 Distributed Generation Interconnection Requirements established in the Commission’s September 28, 2004 Order in E-999/CI-01-1023) until superseded and upon Commission approval of updated

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<sup>1</sup> A Material Modification shall include, but may not be limited to, a modification from the approved Interconnection Application that: (1) changes the physical location of the point of common coupling; such that it is likely to have an impact on technical review; (2) increases the nameplate rating or output characteristics of the Distributed Energy Resource; (3) changes or replaces generating equipment, such as generator(s), inverter(s), transformers, relaying, controls, etc., and substitutes equipment that is not like-kind substitution in certification, size, ratings, impedances, efficiencies or capabilities of the equipment; (4) changes transformer connection(s) or grounding; and/or (5) changes to a certified inverter with different specifications or different inverter control settings or configuration. A Material Modification shall not include a modification from the approved Interconnection Application that: (1) changes the ownership of a Distributed Energy Resource; (2) changes the address of the Distributed Energy Resource, so long as the physical point of common coupling remains the same; (3) changes or replaces generating equipment such as generator(s), inverter(s), solar panel(s), transformers, relaying, controls, etc. and substitutes equipment that is a like-kind substitution in certification, size, ratings, impedances, efficiencies or capabilities of the equipment; and/or (4) increases the DC/AC ratio but does not increase the maximum AC output capability of the Distributed Energy Resource in a way that is likely to have an impact on technical review.

Minnesota DER Technical Interconnection and Interoperability Requirements in E-999/CI-16-521 (anticipated July 2019.)

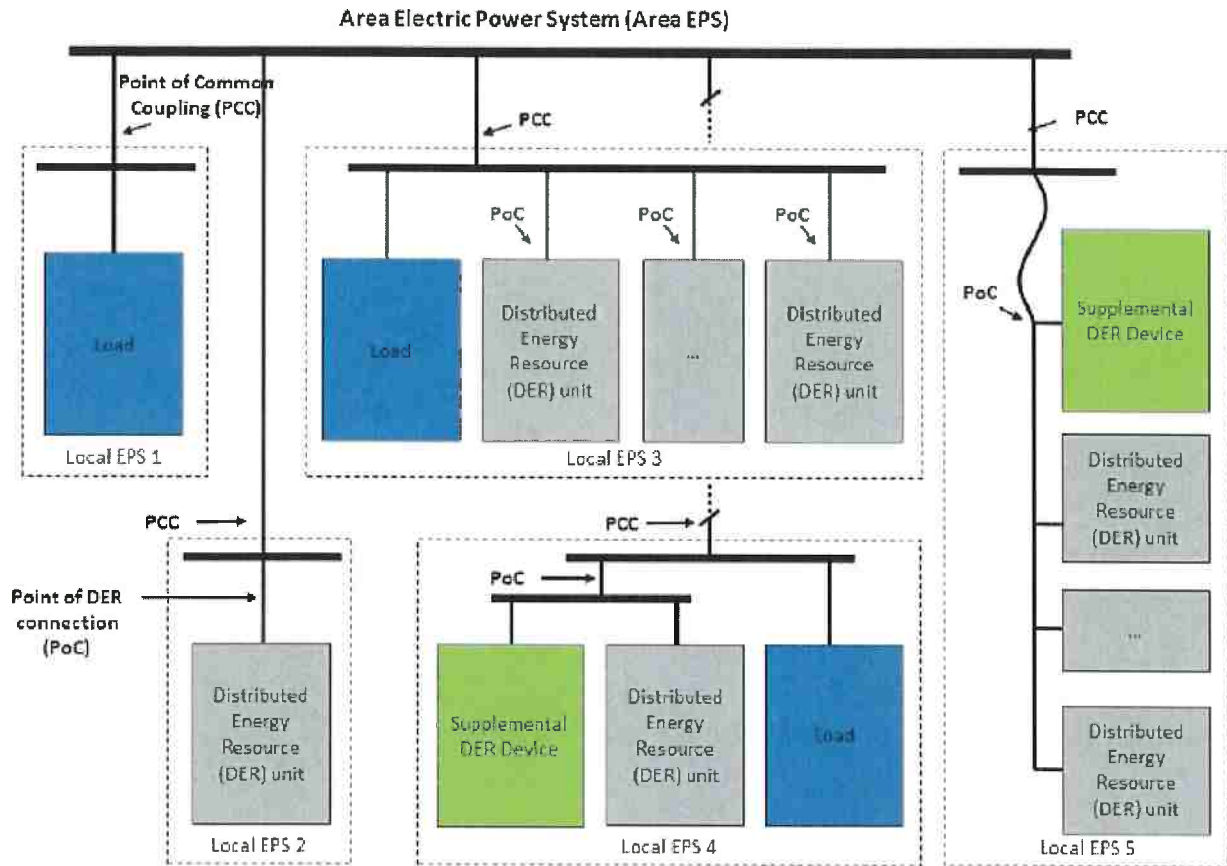
**Nameplate Rating** - nominal voltage (V), current (A), maximum active power (kWac), apparent power (kVA), and reactive power (kVar) at which a DER is capable of sustained operation. For a Local EPS with multiple DER units, the aggregate nameplate rating is equal to the sum of all DERs nameplate rating in the Local EPS. For purposes of the Attachment V in the Interconnection Agreement, the DER system's capacity may, with the Area EPS's agreement, be limited through use of control systems, power relays or similar device settings or adjustments as identified in IEEE 1547. The nameplate ratings referenced in the Interconnection Process are alternating current nameplate DER ratings at the Point of DER Coupling.

**Network Upgrades** – Additions, modifications, and upgrades to the Transmission System required at or beyond the point at which the DER interconnects with the Area EPS Operator's System to accommodate the interconnection with the DER to the Area EPS Operator's System. Network Upgrades do not include Distribution Upgrades.

**Operating Requirements** – Any operating and technical requirements that may be applicable due to the Transmission Provider's technical requirements or Minnesota Technical Requirements, including those set forth in the Interconnection Agreement.

**Party or Parties** – The Area EPS Operator and the Interconnection Customer.

**Point of Common Coupling (PCC)**– The point where the Interconnection Facilities connect with the Area EPS Operator's Distribution System. See figure 1. Equivalent, in most cases, to "service point" as specified by the Area EPS Operator and described in the National Electrical Code and the National Electrical Safety Code.



**Figure 1: Point of Common Coupling and Point of DER Connection**

(Source: IEEE 1547)

**Point of DER Connection (PoC)** – When identified as the Reference Point of Applicability, the point where an individual DER is electrically connected in a Local EPS and meets the requirements of this standard exclusive of any load present in the respective part of the Local EPS (e.g. terminals of the inverter when no supplemental DER device is required.) For DER unit(s) that are not self-sufficient to meet the requirements without a supplemental DER device(s), the Point of DER Connection is the point where the requirements of this standard are met by DER in conjunction with a supplemental DER device(s) exclusive of any load present in the respective part of the Local EPS.

**Queue Position** – The order of a valid Interconnection Application, relative to all other pending valid Interconnection Applications, that is established based upon the date- and time- of receipt of the complete Interconnection Application as described in Section 4.7 of the Overview ProcessError! Reference source not found..

**Reasonable Efforts** – With respect to an action required to be attempted or taken by a Party under these procedures, efforts that are timely and consistent with Good Utility Practice and are otherwise substantially equivalent to those a Party would use to protect its own interests.

**Reference Point of Applicability** – The location, either the Point of Common Coupling or the Point of DER Connection, where the interconnection and interoperability performance requirements specified in IEEE 1547 apply. With mutual agreement, the Area EPS Operator and Customer may determine a point between the Point of Common Coupling and Point of DER Connection. See Minnesota Technical Requirements for more information.

**Simplified Process** – The procedure for evaluating an Interconnection Application for a certified inverter-based DER no larger than 20 kW that uses the screens described in the Interconnection Process – Simplified Process document. The Simplified Process includes simplified procedures.

**Study Process** – The procedure for evaluating an Interconnection Application that includes the scoping meeting, system impact study, and facilities study.

**Transmission Owner** – The entity that owns, leases or otherwise possesses an interest in the portion of the Transmission System relevant to the Interconnection.

**Transmission Provider** – The entity (or its designated agent) that owns, leases, controls, or operates transmission facilities used for the transmission of electricity. The term Transmission Provider includes the Transmission Owner when the Transmission Owner is separate from the Transmission Provider. The Transmission Provider may include the Independent System Operator or Regional Transmission Operator.

**Transmission System** – The facilities owned, leased, controlled or operated by the Transmission Provider or the Transmission Owner that are used to provide transmission service. See the Commission’s July 26, 2000 Order Adopting Boundary Guidelines for Distinguishing Transmission from Generation and Distribution Assets in Docket No. E-999/CI-99-1261.

**Uniform Contract** – the Area EPS Operator’s Agreement for Cogeneration and Small Power Production Facilities (Uniform Contract) that may be applied to all qualifying new and existing interconnections between the Area EPS Operator and an DER system having capacity less than 40 kilowatts.

**Upgrades** – The required additions and modifications to the Area EPS Operator’s Transmission or Distribution System at or beyond the Point of Interconnection. Upgrades may be Network Upgrades or Distribution Upgrades. Upgrades do not include Interconnection Facilities.

## **Attachment II: Description and Costs of the Distributed Energy Resource, Interconnection Facilities, and Metering Equipment**

Equipment, including the Distribution Energy Resource, Interconnection Facilities, and metering equipment shall be itemized and identified as being owned by the Interconnection Customer or the Area EPS Operator. The Area EPS Operator will provide a good faith estimate itemized cost, including administrative overheads, of its Interconnection Facilities and metering equipment, and a good faith estimate itemized cost of the annual operation and maintenance expenses associated with the Interconnection Facilities and metering equipment.

\*See 2022 DER Tariff, Rates and Connection Charges document.



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?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is the Distributed Energy Resource a single generating unit or multiple?		<input checked="" type="checkbox"/> Single	<input type="checkbox"/> Multiple
DER Type (Check all that apply):			
<input checked="" type="checkbox"/> Solar Photovoltaic	<input type="checkbox"/> Wind	<input type="checkbox"/> Energy Storage	
<input type="checkbox"/> Combined Heat and Power	<input type="checkbox"/> Solar Thermal	<input type="checkbox"/> Other (please specify)	
<i>DER systems with Energy Storage must also submit the Energy Storage Application to the Utility.</i>			
Inverter Manufacturer:		Model:	
SMA		SMA SUNNY BOY 7.7-1, 240V	
Phase Configuration of Proposed DER System:		<input checked="" type="checkbox"/> Single	<input type="checkbox"/> Three
Aggregate Inverter(s) Nameplate Rating:	7.7 kW <sub>ac</sub>	7.7	kVA <sub>ac</sub>
Is the export capability of the DER limited?		<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
<i>If the DER export capacity is limited, include information material explaining the limiting capabilities.</i>			
Aggregate DER Capacity (the sum of nameplate capacity of all generation and storage devices at the PCC):		7.7	kW <sub>ac</sub>
Installed DER System Cost (before incentives):		\$	35,600
Estimated Installation Date:		January 17th 2022	

Equipment Certification		
Is the DER equipment certified <sup>1</sup> ?		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<i>Please list all certified IEEE 1547 equipment below. Include all certified equipment manufacturer specification sheets with the Simplified Application submission.</i>		
	Equipment Type	Certifying Entity
1	SMA SUNNY BOY 7.7-1, 240V	UL1741, IEEE1547
2	Solar Module	UL 1703
3		

<sup>1</sup> Information regarding certified equipment can be found in Section 14 and Section 15 of the Overview Process document.  
 Fairmont Public Utilities  
 100 DOWNTOWN PLAZA, FAIRMONT, MN 56031      TNEMMERS@FAIRMONT.ORG, 507-238-9461

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ACCOUNT NO.  
 011005-000  
 METER NO.  
 21766 (69018273)  
 PREMISE NO.  
 00000000

CLIENT:  
 LEO DETERT  
 532 State Hwy  
 15, Fairmont MN 56031  
 Ph: 507-236-2090

PROJECT TITLE:  
 PROPOSED 10.22kW(DC) / 7.7kW(AC)  
 GROUND MOUNT SOLAR PV SYSTEM

LOCATION: 532 State Hwy 15, Fairmont MN 56031

DRAWN BY:  
 Jessica A.

DATE DRAWN:  
 01-06-2022

REVISION:  
 00-00-00


System Type / Panel	Area	Power / Voltage	Efficiency
10.22kW (DC)	1300 sq ft	200V	21.0%
7.7kW (AC)	200 sq ft	240V	21.0%

**POWER+ SOLUTION**

The SMA Power+ Solution combines legendary SMA inverter performance and SunSpec certified shutdown devices in one complete, comprehensive package. In addition, SMA Shutdown technology optimizes power production and provides greater reliability than alternatives.

This rapid shutdown solution fulfills UL 1741, NEC 2014, and NEC 2017 requirements and is certified to the power line-based SunSpec Rapid Shutdown communication signal over DC wires, making it the most simple and cost-effective rapid shutdown solution on the market.

Visit [www.SMA-America.com](http://www.SMA-America.com) for more information.



**SMA SUNNY BOY 7.7KW INVERTER**

**LG NeON2**

LG Solar Panels Technical Specifications

LG NeON2 445W Solar Panel

Technical Data

Max. DC Voltage: 600V

Max. DC Current: 10.1A

Max. Power: 445W

Max. System Voltage: 600V

Max. System Current: 10.1A

Max. DC Output Power: 445W

Max. DC Output Current: 10.1A

Max. DC Output Voltage: 600V

Max. DC Output Power (at 25°C): 445W

Max. DC Output Current (at 25°C): 10.1A

Max. DC Output Voltage (at 25°C): 600V

Max. DC Output Power (at 45°C): 445W

Max. DC Output Current (at 45°C): 10.1A

Max. DC Output Voltage (at 45°C): 600V

Max. DC Output Power (at 65°C): 445W

Max. DC Output Current (at 65°C): 10.1A

Max. DC Output Voltage (at 65°C): 600V

Max. DC Output Power (at 85°C): 445W

Max. DC Output Current (at 85°C): 10.1A

Max. DC Output Voltage (at 85°C): 600V

Max. DC Output Power (at 105°C): 445W

Max. DC Output Current (at 105°C): 10.1A

Max. DC Output Voltage (at 105°C): 600V

Max. DC Output Power (at 125°C): 445W

Max. DC Output Current (at 125°C): 10.1A

Max. DC Output Voltage (at 125°C): 600V

Max. DC Output Power (at 145°C): 445W

Max. DC Output Current (at 145°C): 10.1A

Max. DC Output Voltage (at 145°C): 600V

Max. DC Output Power (at 165°C): 445W

Max. DC Output Current (at 165°C): 10.1A

Max. DC Output Voltage (at 165°C): 600V

Max. DC Output Power (at 185°C): 445W

Max. DC Output Current (at 185°C): 10.1A

Max. DC Output Voltage (at 185°C): 600V

Max. DC Output Power (at 205°C): 445W

Max. DC Output Current (at 205°C): 10.1A

Max. DC Output Voltage (at 205°C): 600V

Max. DC Output Power (at 225°C): 445W

Max. DC Output Current (at 225°C): 10.1A

Max. DC Output Voltage (at 225°C): 600V

Max. DC Output Power (at 245°C): 445W

Max. DC Output Current (at 245°C): 10.1A

Max. DC Output Voltage (at 245°C): 600V

Max. DC Output Power (at 265°C): 445W

Max. DC Output Current (at 265°C): 10.1A

Max. DC Output Voltage (at 265°C): 600V

Max. DC Output Power (at 285°C): 445W

Max. DC Output Current (at 285°C): 10.1A

Max. DC Output Voltage (at 285°C): 600V

Max. DC Output Power (at 305°C): 445W

Max. DC Output Current (at 305°C): 10.1A

Max. DC Output Voltage (at 305°C): 600V

Max. DC Output Power (at 325°C): 445W

Max. DC Output Current (at 325°C): 10.1A

Max. DC Output Voltage (at 325°C): 600V

Max. DC Output Power (at 345°C): 445W

Max. DC Output Current (at 345°C): 10.1A

Max. DC Output Voltage (at 345°C): 600V

Max. DC Output Power (at 365°C): 445W

Max. DC Output Current (at 365°C): 10.1A

Max. DC Output Voltage (at 365°C): 600V

Max. DC Output Power (at 385°C): 445W

Max. DC Output Current (at 385°C): 10.1A

Max. DC Output Voltage (at 385°C): 600V

Max. DC Output Power (at 405°C): 445W

Max. DC Output Current (at 405°C): 10.1A

Max. DC Output Voltage (at 405°C): 600V

Max. DC Output Power (at 425°C): 445W

Max. DC Output Current (at 425°C): 10.1A

Max. DC Output Voltage (at 425°C): 600V

Max. DC Output Power (at 445°C): 445W

Max. DC Output Current (at 445°C): 10.1A

Max. DC Output Voltage (at 445°C): 600V

Max. DC Output Power (at 465°C): 445W

Max. DC Output Current (at 465°C): 10.1A

Max. DC Output Voltage (at 465°C): 600V

Max. DC Output Power (at 485°C): 445W

Max. DC Output Current (at 485°C): 10.1A

Max. DC Output Voltage (at 485°C): 600V

Max. DC Output Power (at 505°C): 445W

Max. DC Output Current (at 505°C): 10.1A

Max. DC Output Voltage (at 505°C): 600V

Max. DC Output Power (at 525°C): 445W

Max. DC Output Current (at 525°C): 10.1A

Max. DC Output Voltage (at 525°C): 600V

Max. DC Output Power (at 545°C): 445W

Max. DC Output Current (at 545°C): 10.1A

Max. DC Output Voltage (at 545°C): 600V

Max. DC Output Power (at 565°C): 445W

Max. DC Output Current (at 565°C): 10.1A

Max. DC Output Voltage (at 565°C): 600V

Max. DC Output Power (at 585°C): 445W

Max. DC Output Current (at 585°C): 10.1A

Max. DC Output Voltage (at 585°C): 600V

Max. DC Output Power (at 605°C): 445W

Max. DC Output Current (at 605°C): 10.1A

Max. DC Output Voltage (at 605°C): 600V

Max. DC Output Power (at 625°C): 445W

Max. DC Output Current (at 625°C): 10.1A

Max. DC Output Voltage (at 625°C): 600V

Max. DC Output Power (at 645°C): 445W

Max. DC Output Current (at 645°C): 10.1A

Max. DC Output Voltage (at 645°C): 600V

Max. DC Output Power (at 665°C): 445W

Max. DC Output Current (at 665°C): 10.1A

Max. DC Output Voltage (at 665°C): 600V

Max. DC Output Power (at 685°C): 445W

Max. DC Output Current (at 685°C): 10.1A

Max. DC Output Voltage (at 685°C): 600V

Max. DC Output Power (at 705°C): 445W

Max. DC Output Current (at 705°C): 10.1A

Max. DC Output Voltage (at 705°C): 600V

Max. DC Output Power (at 725°C): 445W

Max. DC Output Current (at 725°C): 10.1A

Max. DC Output Voltage (at 725°C): 600V

Max. DC Output Power (at 745°C): 445W

Max. DC Output Current (at 745°C): 10.1A

Max. DC Output Voltage (at 745°C): 600V

Max. DC Output Power (at 765°C): 445W

Max. DC Output Current (at 765°C): 10.1A

Max. DC Output Voltage (at 765°C): 600V

Max. DC Output Power (at 785°C): 445W

Max. DC Output Current (at 785°C): 10.1A

Max. DC Output Voltage (at 785°C): 600V

Max. DC Output Power (at 805°C): 445W

Max. DC Output Current (at 805°C): 10.1A

Max. DC Output Voltage (at 805°C): 600V

Max. DC Output Power (at 825°C): 445W

Max. DC Output Current (at 825°C): 10.1A

Max. DC Output Voltage (at 825°C): 600V

Max. DC Output Power (at 845°C): 445W

Max. DC Output Current (at 845°C): 10.1A

Max. DC Output Voltage (at 845°C): 600V

Max. DC Output Power (at 865°C): 445W

Max. DC Output Current (at 865°C): 10.1A

Max. DC Output Voltage (at 865°C): 600V

Max. DC Output Power (at 885°C): 445W

Max. DC Output Current (at 885°C): 10.1A

Max. DC Output Voltage (at 885°C): 600V

Max. DC Output Power (at 905°C): 445W

Max. DC Output Current (at 905°C): 10.1A

Max. DC Output Voltage (at 905°C): 600V

Max. DC Output Power (at 925°C): 445W

Max. DC Output Current (at 925°C): 10.1A

Max. DC Output Voltage (at 925°C): 600V

Max. DC Output Power (at 945°C): 445W

Max. DC Output Current (at 945°C): 10.1A

Max. DC Output Voltage (at 945°C): 600V

Max. DC Output Power (at 965°C): 445W

Max. DC Output Current (at 965°C): 10.1A

Max. DC Output Voltage (at 965°C): 600V

Max. DC Output Power (at 985°C): 445W

Max. DC Output Current (at 985°C): 10.1A

Max. DC Output Voltage (at 985°C): 600V

Max. DC Output Power (at 1005°C): 445W

Max. DC Output Current (at 1005°C): 10.1A

Max. DC Output Voltage (at 1005°C): 600V

**LG 445W SOLAR MODULE**

**TECHNICAL DATA**

326

48

ACCOUNT NO.: 011005-000  
 METER NO.: 21765 (69018273)  
 PREMISE NO.: 00000000

CLIENT: LEO DETRI  
 532 State Hwy  
 15, Fatmott MN 56031  
 Ph: 507-236-2090

PROJECT TITLE: PROPOSED 10.22kW(DC) / 7.7kW(AC)  
 GROUND MOUNT SOLAR PV SYSTEM  
 LOCATION: 532 State Hwy 15, Fatmott MN 56031

DRAWN BY: Jessica A.  
 DATE DRAWN: 01-06-2022  
 REVISION: 00-00-00

**PHOTOVOLTAIC LABELS SCHEDULE**

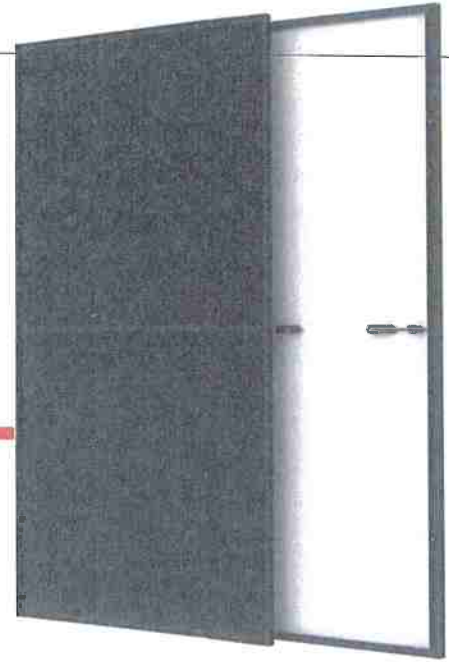

\* This Photovoltaic installation will meet or exceed the requirements of the National Electric Code (NEC) and will pass electrical inspection prior to utility commissioning.  
 The state-licensed electrical inspector will already have verified all NEC requirements, including labeling.  
 \* All Labels are Durable, RED THERMOPLASTIC/REFLECTIVE Vinyl w/ Acrylic Laminates, permanently attached.  
 Operating Temperature: -40°F to 175°F, Certified: UL969

Note: Labels meet NEC requirements

85  
 32c

# THE Residential Module

MULTI-BUSBAR MONO PERC MODULE



**132-Cell**  
MONOCRYSTALLINE MODULE

**355-380W**  
POWER OUTPUT RANGE

**20.6%**  
MAXIMUM EFFICIENCY

**0~+5W**  
POSITIVE POWER TOLERANCE

PRODUCTS | POWER RANGE  
TSM-DE06X.05(II) | 355-380W



### High power and High Efficiency

- Up to 380W front power and 20.6% module efficiency with half-cut and MBB (Multi Busbar) technology bringing more BOS savings
- Reduce BOS cost with higher power bin and 1500V system voltage



### Outstanding visual appearance

- Designed with aesthetics in mind
- High standard Production, Excellent cell color control by dedicated cell blackening treatment and machine selection
- Thinner wires that appear all black at a distance



### High reliability

- Ensured PID resistance through cell process and module material control
- Resistant to salt, acid and ammonia
- Mechanical performance: Up to 5400 Pa positive load and 2400 Pa negative load



### Certified to withstand the most challenging environmental conditions

- Excellent IAM and low light performance validated by 3rd party with cell process and module material optimization
- Lower temp co-efficient (-0.34%) and NOCT bring more energy leading to lower LCOE
- Better anti-shading performance and lower operating temperature

Founded in 1997, Trina Solar is the world's leading total solution provider for solar energy. With local presence around the globe, Trina Solar is able to provide exceptional service to each customer in each market and deliver our innovative, reliable products with the backing of Trina as a strong, bankable brand. Trina Solar now distributes its PV products to over 100 countries all over the world. We are committed to building strategic, mutually beneficial collaborations with installers, developers, distributors and other partners in driving smart energy together.

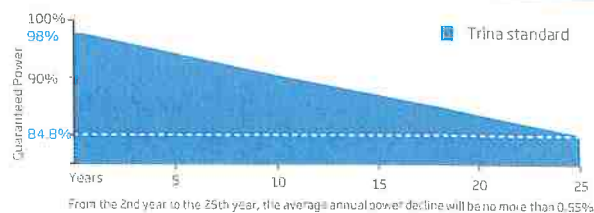
### Comprehensive Products and System Certificates

IEC61215/IEC61730/IEC61701/IEC62716/UL61730  
ISO 9001: Quality Management System  
ISO 14001: Environmental Management System  
ISO14064: Greenhouse Gases Emissions Verification  
OHSAS 18001: Occupation Health and Safety Management System



### PERFORMANCE WARRANTY

25 Year Product Warranty · 25 Year Power Warranty

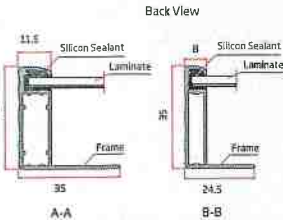
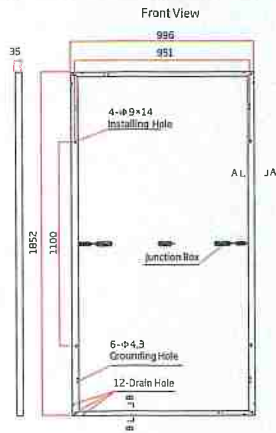
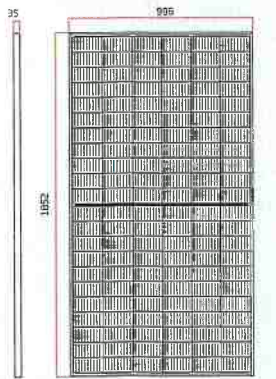


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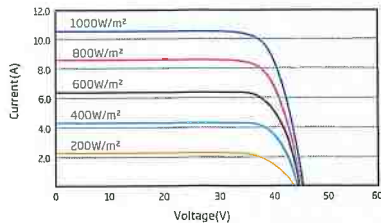
32d



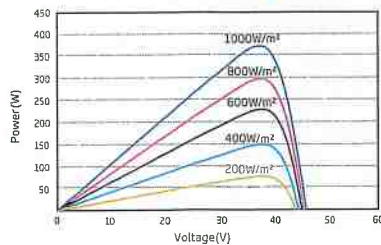
### DIMENSIONS OF PV MODULE(mm)



### I-V CURVES OF PV MODULE(370W)



### P-V CURVES OF PV MODULE(370W)



### ELECTRICAL DATA (STC)

Peak Power Watts- $P_{MAX}(Wp)^*$	355	360	365	370	375	380
Power Output Tolerance- $P_{MAX}(W)$	0 ~ +5					
Maximum Power Voltage- $V_{MPP}(V)$	36.8	37.0	37.2	37.4	37.6	37.8
Maximum Power Current- $I_{MPP}(A)$	9.66	9.74	9.82	9.90	9.98	10.07
Open Circuit Voltage- $V_{OC}(V)$	44.6	44.8	45.0	45.2	45.3	45.5
Short Circuit Current- $I_{SC}(A)$	10.24	10.30	10.35	10.40	10.45	10.51
Module Efficiency $\eta_m(\%)$	19.2	19.5	19.8	20.1	20.3	20.6

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5,  
\*Measurement tolerance: ±3%

### ELECTRICAL DATA (NOCT)

Maximum Power- $P_{MAX}(Wp)$	268	272	276	279	283	287
Maximum Power Voltage- $V_{MPP}(V)$	34.4	34.7	34.9	35.1	35.3	35.6
Maximum Power Current- $I_{MPP}(A)$	7.80	7.85	7.90	7.96	8.01	8.06
Open Circuit Voltage- $V_{OC}(V)$	42.0	42.2	42.4	42.6	42.6	42.8
Short Circuit Current- $I_{SC}(A)$	8.25	8.30	8.34	8.38	8.42	8.47

NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

### MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Orientation	132 cells
Module Dimensions	1852 × 996 × 35 mm (72.91 × 39.21 × 1.38 inches)
Weight	19.7 kg (43.4 lb)
Glass	3.2 mm (0.13 inches), High Transmission, ARCoated Heat Strengthened Glass
Encapsulant Material	EVA
Backsheet	Black-White
Frame	35 mm (inches) Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ), Portrait: N 280mm/P 280mm(11.02/11.02inches) Landscape: N 1400 mm /P 1400 mm (55.12/55.12 inches)
Connector	MC4 EVO2
Fire Type	Type 2

### TEMPERATURE RATINGS

NOCT(Nominal Operating Cell Temperature)	43°C (±2°C)
Temperature Coefficient of $P_{MAX}$	-0.34%/°C
Temperature Coefficient of $V_{OC}$	-0.25%/°C
Temperature Coefficient of $I_{SC}$	0.04%/°C

### MAXIMUM RATINGS

Operational Temperature	-40 ~ +85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	20A

### WARRANTY

- 25 year Product Workmanship Warranty
- 25 year Linear Power Warranty

(Please refer to product warranty for details)

### PACKAGING CONFIGURATION

- Modules per box: 31 pieces
- Modules per 40' container: 744 pieces

87

# SUNNY BOY 3.0-US / 3.8-US / 5.0-US / 6.0-US / 7.0-US / 7.7-US



## Value-Added Improvements

- SunSpec certified technology for cost-effective module-level shutdown
- Advanced AFCI compliant to UL 1699B for arc fault protection

## Reduced Labor

- New Installation Assistant with direct access via smartphone minimizes time in the field
- Advanced communication interface with fewer components creates 50% faster setup and commissioning

## Optimized Power Production

- ShadeFix, SMA's proprietary shade management solution, produces more power than alternatives
- Reduced component count provides maximum system reliability

## Trouble-Free Service

- SMA Service Mobile App provides simplified, expedited field service
- Equipped with SMA Smart Connected, a proactive service solution that is integrated into Sunny Portal

## SUNNY BOY 3.0-US / 3.8-US / 5.0-US / 6.0-US / 7.0-US / 7.7-US

Power with a purpose

The residential PV market is changing rapidly. Your bottom line matters more than ever—so we've designed a superior residential solution to help you decrease costs at every stage of your business operations. The Sunny Boy 3.0-US/3.8-US/5.0-US/6.0-US/7.0-US/7.7-US join the SMA lineup of field-proven solar technology backed by the world's #1 service team. This improved residential solution features ShadeFix, SMA's proprietary technology that optimizes system performance. ShadeFix also provides superior power production with a reduced component count versus competitors, which provides maximum reliability. No other optimized solution generates more power or is as easy as systems featuring SMA ShadeFix and SunSpec certified devices. Finally, SMA Smart Connected will automatically detect errors and initiate the repair and replacement process so that installers can reduce service calls and save time and money.

www.SMA-America.com

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88



Technical data	Sunny Boy 3.0-US		Sunny Boy 3.8-US		Sunny Boy 5.0-US	
	208 V	240 V	208 V	240 V	208 V	240 V
<b>Input (DC)</b>						
Max. PV power	4800 Wp		6144 Wp		8000 Wp	
Max. DC voltage	600 V		600 V		600 V	
Rated MPP voltage range	155 - 480 V		195 - 480 V		220 - 480 V	
MPPT operating voltage range			100 - 550 V			
Min. DC voltage / start voltage			100 V / 125 V			
Max. operating input current per MPPT			10 A			
Max. short circuit current per MPPT			18 A			
Number of MPPT tracker / string per MPPT tracker			2 / 1		3 / 1	
<b>Output (AC)</b>						
AC nominal power	3000 W	3000 W	3330 W	3840 W	5000 W	5000 W
Max. AC apparent power	3000 VA	3000 VA	3330 VA	3840 VA	5000 VA	5000 VA
Nominal voltage / adjustable	208 V / ●	240 V / ●	208 V / ●	240 V / ●	208 V / ●	240 V / ●
AC voltage range	183 - 229 V	211 - 264 V	183 - 229 V	211 - 264 V	183 - 229 V	211 - 264 V
AC grid frequency	60 Hz / 50 Hz					
Max. output current	14.5 A	12.5 A	16.0 A	16.0 A	24.0 A	21.0 A
Power factor (cos φ) / harmonics	1 / < 4 %					
Output phases / line connections	1 / 2					
<b>Efficiency</b>						
Max. efficiency	97.2 %	97.6 %	97.3 %	97.6 %	97.3 %	97.6 %
CEC efficiency	96.0 %	96.5 %	96.5 %	96.5 %	96.5 %	97.0 %
<b>Protection devices</b>						
DC disconnect device / DC reverse polarity protection			● / ●			
Ground fault monitoring / Grid monitoring			●			
AC short circuit protection			●			
All-pole sensitive residual current monitoring unit (RCMU)			●			
Arc fault circuit interrupter (AFCI)			●			
Protection class / overvoltage category			I / IV			
<b>General data</b>						
Dimensions (W / H / D) in mm (in)	535 x 730 x 198 (21.1 x 28.5 x 7.8)					
Packaging dimensions (W / H / D) in mm (in)	600 x 800 x 300 (23.6 x 31.5 x 11.8)					
Weight / packaging weight	26 kg (57 lb) / 30 kg (66 lb)					
Temperature range: operating / non-operating	-25°C ... +60°C / -40°C ... +60°C					
Environmental protection rating	NEMA 3R					
Noise emission (typical)	39 dB(A)					
Internal power consumption at night	< 5 W					
Topology / cooling concept	transformerless / convection					
<b>Features</b>						
Ethernet ports			2			
Secure Power Supply			●*			
Display (2 x 16 characters)			●			
2.4 GHz WLAN / External WLAN antenna			●/○			
ShadeFix technology for string level optimization			●			
Cellular (4G / 3G) / Revenue Grade Meter			○/○**			
Warranty: 10 / 15 / 20 years ***			●/○/○			
Certificates and approvals	UL 1741, UL 1741 SA incl. CA Rule 21 RSD, UL 1998, UL 1699B Ed. 1, IEEE1547, FCC Part 15 (Class A & B), CAN/CSA V22.2 107.1-1, HECO Rule 14H, PV Rapid Shutdown System Equipment					
● Standard features ○ Optional features — Not available						
NOTE: US inverters ship with gray lids. Data at nominal conditions * Not compatible with SunSpec shutdown devices **Standard in SBX.X-1TP-US-41						
Type designation	SB3.0-1SP-US-41 / SB3.0-1TP-US-41		SB3.8-1SP-US-41 / SB3.8-1TP-US-41		SB5.0-1SP-US-41 / SB5.0-1TP-US-41	



External WLAN antenna  
EXTANT-US-40



SunSpec Certified  
Rapid Shutdown  
Receivers

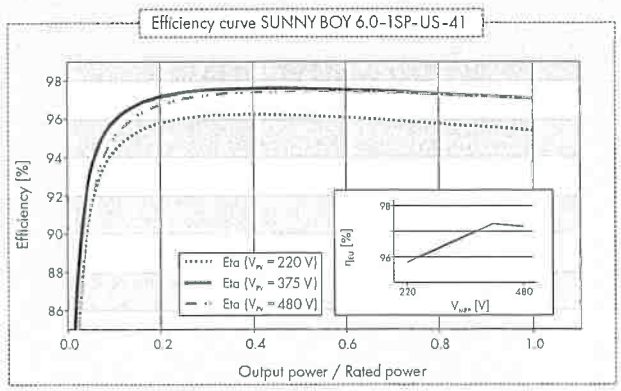


Revenue Grade  
Meter Kit  
RGM05KIT-US-10



Cellular Modem Kit  
CELLMODKIT-US-10

\*\*\* Listed warranty terms are applicable in SMA-designated primary support countries, including the U.S., Canada, and Mexico. Reduced terms or restrictions may apply in other Americas regions and territories including the Pacific and Caribbean.



89

32g



Technical data	Sunny Boy 6.0-US		Sunny Boy 7.0-US		Sunny Boy 7.7-US	
	208 V	240 V	208 V	240 V	208 V	240 V
<b>Input (DC)</b>						
Max. PV power	9600 Wp		11200 Wp		12320 Wp	
Max. DC Voltage			600 V			
Rated MPP Voltage range	220 – 480 V		245 - 480 V		270 - 480 V	
MPPT operating voltage range			100 – 550 V			
Min. DC voltage / start voltage			100 V / 125 V			
Max. operating input current per MPPT			10 A			
Max. short circuit current per MPPT			18 A			
Number of MPPT tracker / string per MPPT tracker			3 / 1			
<b>Output (AC)</b>						
AC nominal power	5200 W	6000 W	6660 W	7000 W	6660 W	7680 W
Max. AC apparent power	5200 VA	6000 VA	6660 VA	7000 VA	6660 VA	7680 VA
Nominal voltage / adjustable	208 V / ●	240 V / ●	208 V / ●	240 V / ●	208 V / ●	240 V / ●
AC voltage range	183 – 229 V	211 – 264 V	183 – 229 V	211 – 264 V	183 – 229 V	211 – 264 V
AC grid frequency			60 Hz / 50 Hz			
Max. output current	25.0 A	25.0 A	32.0 A	29.2 A	32.0 A	32.0 A
Power factor (cos φ) / harmonics			1 / < 4 %			
Output phases / line connections			1 / 2			
<b>Efficiency</b>						
Max. efficiency	97.3 %	97.7 %	97.3 %	97.9 %	97.3 %	97.5 %
CEC efficiency	96.5 %	97.0 %	96.5 %	97.0 %	96.5 %	97.0 %
<b>Protection devices</b>						
DC disconnect device / DC reverse polarity protection			● / ●			
Ground fault monitoring / Grid monitoring			●			
AC short circuit protection			●			
All-pole sensitive residual current monitoring unit (RCMU)			●			
Arc fault circuit interrupter (AFCI)			●			
Protection class / overvoltage category			I / IV			
<b>General data</b>						
Dimensions (W / H / D) in mm (in)			535 x 730 x 198 (21.1 x 28.5 x 7.8)			
Packaging Dimensions (W / H / D) in mm (in)			600 x 800 x 300 (23.6 x 31.5 x 11.8)			
Weight / packaging weight			26 kg (57 lb) / 30 kg (66 lb)			
Temperature range: operating / non-operating			-25°C ...+60°C / -40°C ...+60°C			
Environmental protection rating			NEMA 3R			
Noise emission (typical)	39 dB(A)				45 dB(A)	
Internal power consumption at night			< 5 W			
Topology / cooling concept	transformerless / convection				transformerless / fan	
<b>Features</b>						
Ethernet ports			2			
Secure Power Supply			●*			
Display (2 x 16 characters)			●			
2.4 GHz WLAN / External WLAN antenna			●/○			
ShadeFix technology for string level optimization			●			
Cellular (4G / 3G) / Revenue Grade Meter			○/○**			
Warranty: 10 / 15 / 20 years ***			●/○/○			
Certificates and approvals			UL 1741, UL 1741 SA incl. CA Rule 21 RSD, UL 1998, UL 1699B Ed. 1, IEEE1547, FCC Part 15 (Class A & B), CAN/CSA V22.2 107.1-1, HECO Rule 14H, PV Rapid Shutdown System Equipment			

● Standard features ○ Optional features — Not available

NOTE: US inverters ship with gray lids. Data at nominal conditions \* Not compatible with SunSpec shutdown devices \*\*Standard in SBX.X-1TP-US-41

Type designation SB6.0-1SP-US-41 / SB6.0-1TP-US-41 SB7.0-1SP-US-41 / SB7.0-1TP-US-41 SB7.7-1SP-US-41 / SB7.7-1TP-US-41

## POWER+ SOLUTION

The SMA Power+ Solution combines legendary SMA inverter performance and SunSpec certified shutdown devices in one cost-effective, comprehensive package. In addition, SMA ShadeFix technology optimizes power production and provides greater reliability than alternatives.

This rapid shutdown solution fulfills UL 1741, NEC 2014, and NEC 2017 requirements and is certified to the power line-based SunSpec Rapid Shutdown communication signal over DC wires, making it the most simple and cost-effective rapid shutdown solution on the market.

Visit [www.SMA-America.com](http://www.SMA-America.com) for more information.





### SIMPLE, FLEXIBLE DESIGN

Speed the completion of customer proposals and maximize the efficiency of your design team with the Sunny Boy-US series, which provides a new level of flexibility in system design by offering:

- » Hundreds of stringing configurations and multiple independent MPPTs
- » SMA's proprietary ShadeFix technology optimizes power production
- » Diverse application options including on- and off-grid compatibility



### VALUE-DRIVEN SALES ENABLEMENT

SMA wants to enable your sales team by arming them with an abundance of feature/benefit support. Show your customers the value of the Sunny Boy-US series by utilizing:

- » The opportunity to join the SMA PowerUP network of installers who receive in-depth training, enhanced service, and prioritized marketing support
- » SMA's 35 year history and status as the #1 global inverter manufacturer instills homeowners with peace of mind and the long-term security they demand from a PV investment
- » The most economical solution for shade mitigation with superior power production



### IMPROVED STOCKING AND ORDERING

Ensure that your back office business operations run smoothly and succinctly while mitigating potential errors. The Sunny Boy-US series can help achieve cost savings in these areas by providing:

- » An integrated DC disconnect that simplifies equipment stocking and allows for a single inverter part number
- » All communications integrated into the inverter, eliminating the need to order additional equipment



### STREAMLINED INSTALLATION AND COMMISSIONING

Expedite your operations in the field by taking advantage of the new Sunny Boy's installer-friendly feature set including:

- » Direct access via smartphone and utilization of SMA's Installation Assistant, which minimizes time/labor spent in the field and speeds the path to commissioning
- » Simple commissioning and monitoring setup in a single online portal
- » The fastest, easiest installation thanks to SMA ShadeFix and SunSpec certified shutdown devices



### SUPERIOR SERVICE

SMA understands the factors that contribute to lifetime PV ownership cost, that's why the Sunny Boy-US series was designed for maximum reliability and backstopped by an unmatched service offering. Benefit from:

- » SMA Smart Connected, a proactive service solution integrated into Sunny Portal that automatically detects errors and initiates the repair and replacement process
- » The SMA Service Mobile App, which provides simplified, expedited field service

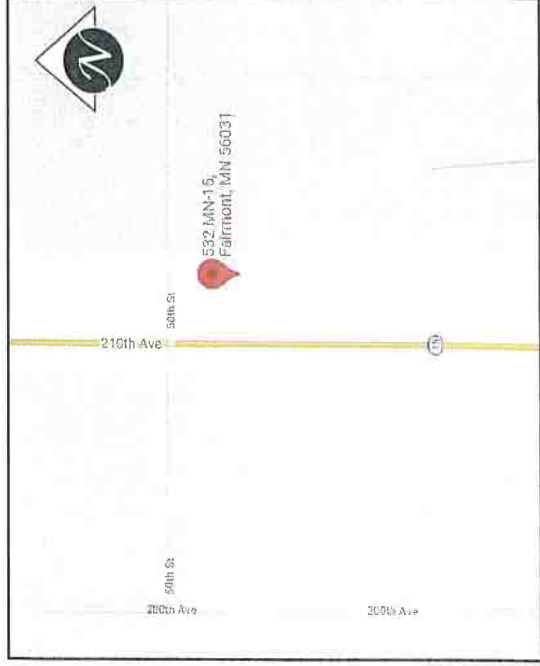
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321

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<b>CONTACT INFORMATION</b>
Owner/ Contact Person : <b>Brady Anderson</b>
Project Location: <b>532 State Hwy 15 Fairmont MN 56031</b>
Phone Number: <b>507-236-2090</b>
Email: <b>Brady_Anderson_22@hotmail.com</b>
Utility Company: <b>City of Fairmont</b>
Contact Name: <b>Marty Meixell</b>
Phone Number: <b>507-235-6811</b>
State Inspector: <b>Jesse Hendrickson</b>
Contact Number: <b>507-370-1766</b>
State Area Rep: <b>Wade Schlie</b>
Contact Number: <b>507-794-5048</b>
City:
County: <b>Martin</b>
Township:
Contact Person: <b>Pam Flitter</b>
Phone Number: <b>507-238-3242</b>

<b>DESCRIPTION:</b>
(1) - FIXED GROUND MOUNT SOLAR PV SYSTEM (2X14)
(28) - TRINA 365W SOLAR PV MODULES
(1) - SMA SUNNY BOY 7.7-1, 240V INVERTER



**PV-01 LOCATION PLAN**



**PV-02 LOT PLAN**

**General Notes:**

1. PID # 170090200
2. Acres : 158.17
3. Sect -09, Twp-101, Range-030
4. Description Sect-09 Twp-101 Range-030 158.17 AC SW1/4 (EX HWY) 158.17 AC
5. Classification: Ag



ACCOUNT NO. 011005-000  
 METER NO. 21766 (69018273)  
 PREMISE NO. 00000000

CLIENT: Leo Deterf  
 532 State Hwy 15, Fairmont MN 56031  
 Ph: 507-236-2090

PROJECT TITLE: PROPOSED 10.22kW(DC) / 7.7kW(AC) GROUND MOUNT SOLAR PV SYSTEM  
 LOCATION: 532 State Hwy 15, Fairmont MN 56031

DRAWN BY: Jessica A.  
 DATE DRAWN: 01-06-2022  
 REVISION: 00-00-00



32;  
 92



ACCOUNT NO. 011005-000  
 METER NO. 21766 (69018273)  
 PREMISE NO. 00000000

CLIENT: Leo Detef  
 532 State Hwy  
 15, Fairmont MN 56031  
 Ph: 507-236-2090

PROJECT TITLE: PROPOSED 10.22KW(DC) / 7.7KW(AC) GROUND MOUNT SOLAR PV SYSTEM  
 LOCATION: 532 State Hwy 15, Fairmont MN 56031

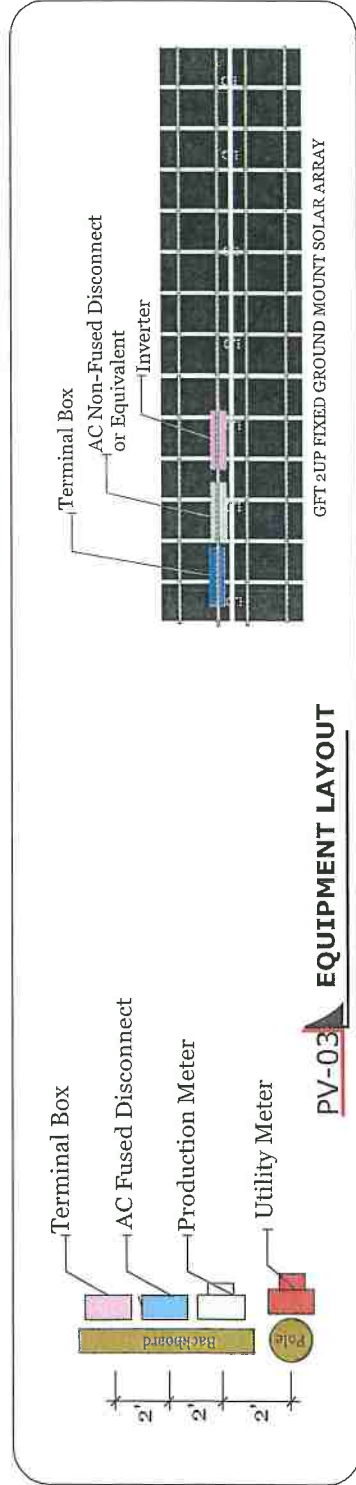
DRAWN BY: Jessica A.  
 DATE DRAWN: 01-06-2022  
 REVISION: 00-00-00



PV-02 BLOW-UP PLAN



PV-01 SITE PLAN



PV-03 EQUIPMENT LAYOUT

GFT 2UP FIXED GROUND MOUNT SOLAR ARRAY

93

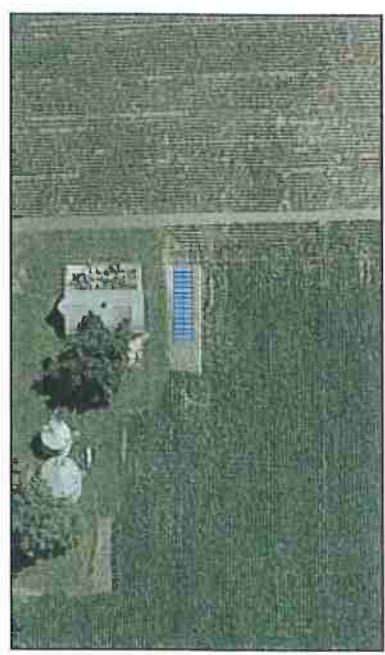
32k

**ACCOUNT NO.**  
 0111005-000  
**METER NO.**  
 21766 (69018273)  
**PREMISE NO.**  
 00000000

**CLIENT:**  
 Leo Detert  
 532 State Hwy  
 15, Fairmont MN 56031  
 Ph: 507-236-2090

**PROJECT TITLE:**  
 PROPOSED 10.22kW(DC) / 7.7kW(AC)  
 GROUND MOUNT SOLAR PV SYSTEM  
**LOCATION:** 532 State Hwy 15, Fairmont MN 56031

**DRAWN BY:**  
 Jessica A.  
**DATE DRAWN:**  
 01-06-2022  
**REVISION:**  
 00-00-00



Unirac GFT 2x14 Fixed Ground Mount

STRING SIZING	# of Modules
INVERTER #1	
String #1	10 Modules
String #2	9 Modules
String #3	9 Modules

94

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ACCOUNT NO. 0111005-000  
 METER NO. 21766 (69018273)  
 PREMISE NO. 00000000

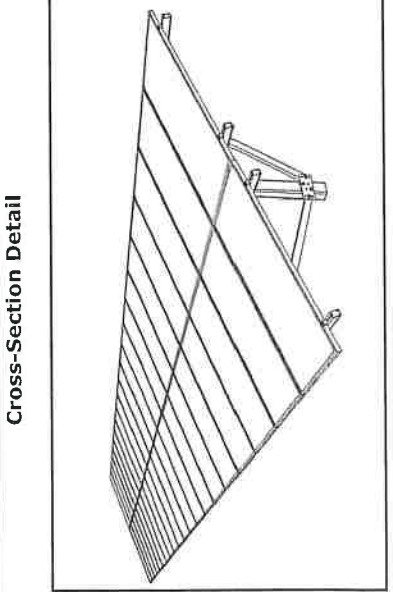
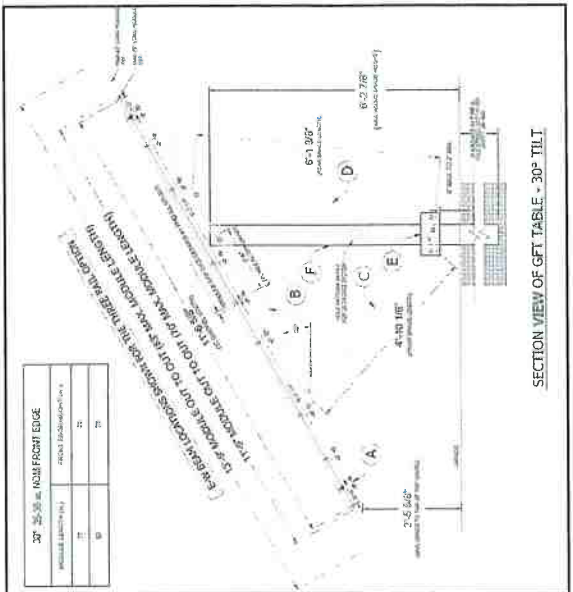
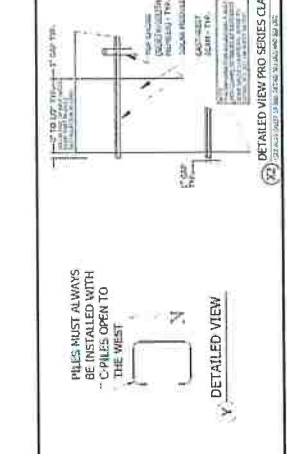
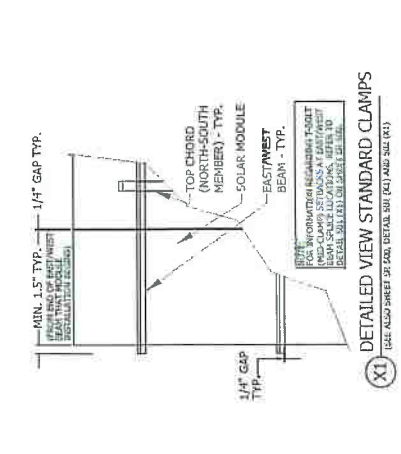
CLIENT: Leo Detef  
 522 State Hwy  
 15, Fairmont MN 56031  
 PH: 507-236-2090

PROJECT TITLE: PROPOSED 10.22kW(DC) / 7.7kW(AC) GROUND MOUNT SOLAR PV SYSTEM  
 LOCATION: 532 State Hwy 15, Fairmont MN 56031

DRAWN BY: JESSICA A.  
 DATE DRAWN: 01-06-2022  
 REVISION: 00-00-00

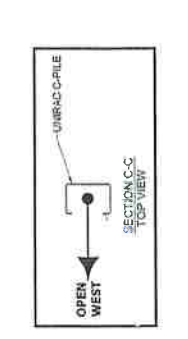
**RACKING DIMENSION NOTES:**

- THIS CROSS SECTION AND DIMENSIONS SCHEMA ARE SPECIFIC TO AN 81" LGX 60" WIDE AND A 70" TALL MODULE. ACTUAL MODULE DIMENSIONS WILL BE LESS THAN OR EQUAL TO THE DIMENSIONS SHOWN. DIMENSIONS SHALL BE AS SHOWN UNLESS OTHERWISE NOTED. THIS REGION SPECIFIC RACKING DESIGN.
- PILE TUBE ADJUSTMENTS IN THE EAST/WEST BEAM TO TOP CHORD CHANNEL CONNECTING EAST. SEE SHEET OR 503 FOR ALL RACKING CONNECTION DETAILS. REFER TO THE GFT FOR MORE INFORMATION ON THE LIMITS OF THIS REGION SPECIFIC RACKING DESIGN.
- ANY ADJUSTMENTS TO THE PILE STACKUP HEIGHT, MODULE SELECTION OR MODULE OPTIONS, VARIANCE IN THE PILE STACKUP HEIGHT, MODULE SELECTION OR VARIANCE IN THE PREEXISTING GRADE. ALL OTHER DIMENSIONS ARE FIXED.



**30 DEGREE UNIRAC STEEL C-PILE FOUNDATION DEPTHS**

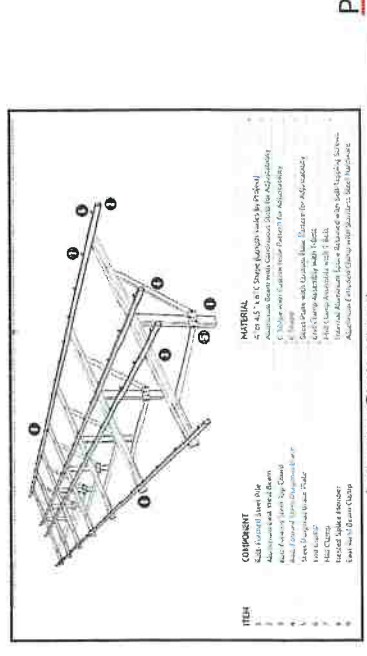
FOUNDATION TYPE	DEPTH (ft)	MIN. PILE LENGTH (ft)	MIN. PILE DIAMETER (in)	MIN. PILE WEIGHT (lb/ft)
CONCRETE	4.0	4.0	12	100
GRAVEL	4.0	4.0	12	100
ROCK	4.0	4.0	12	100



**Foundation Details**

**30 DEGREE UNIRAC STEEL C-PILE FOUNDATION DEPTHS**

DEPTH (ft)	MIN. PILE LENGTH (ft)	MIN. PILE DIAMETER (in)	MIN. PILE WEIGHT (lb/ft)
4.0	4.0	12	100
4.0	4.0	12	100
4.0	4.0	12	100



**PV-01 GROUND MOUNT RACKING DETAILS**

Primary Component

95

32m



ACCOUNT NO. 011005-000  
 METER NO. 21766 (69018273)  
 PREMISE NO. 00000000

CLIENT: Leo Dert  
 532 State Hwy  
 15, Fairmont MN 56031  
 Ph: 507-236-2090

PROJECT TITLE: PROPOSED 10.22KW(DC) / 7.7KW(AC) GROUND MOUNT SOLAR PV SYSTEM  
 LOCATION: 532 State Hwy 15, Fairmont MN 56031

DRAWN BY: Jessica A.  
 DATE DRAWN: 01-06-2022  
 REVISION: 00-00-00

**PV-5**  
 ESCALANTS

### Residential Module

**MULTI-BUSBAR MONO PERC MODULE**

Electrical Data (1/12)	355	360	365	370	375	380
Peak Power (Wattage P <sub>max</sub> )	355	360	365	370	375	380
Module Power (Wattage P <sub>mod</sub> )	350	355	360	365	370	375
Module Power (Wattage P <sub>mod</sub> )	350	355	360	365	370	375
Open Circuit Voltage (V <sub>oc</sub> )	42.5	42.8	43.1	43.4	43.7	44.0
Short Circuit Current (I <sub>sc</sub> )	8.25	8.30	8.35	8.40	8.45	8.50

**PHYSICAL DATA (1/12)**

Module Dimensions	268	272	276	279	283	287
Module Length (mm)	268	272	276	279	283	287
Module Width (mm)	942	949	951	953	955	958
Module Area (m <sup>2</sup> )	7.80	7.85	7.89	7.94	8.01	8.05
Weight (kg)	4.25	4.28	4.31	4.34	4.37	4.40

**TECHNICAL DATA**

Module Type: Mono PERC  
 Cell Orientation: 180° x 90° - 90° x 180° (180° x 180°)  
 Module Dimensions: 1874 (6148)  
 Weight: 2.7 (6.0)  
 Backsheet: EVA  
 Front Glass: 3mm Tempered Glass  
 Junction Box: IP67 Rated  
 Cable: MC4 Compatible

**PERFORMANCE DATA**

Parameter	Value
Temperature Coefficient of P <sub>max</sub>	-0.45%/°C
Temperature Coefficient of V <sub>oc</sub>	-0.25%/°C
Temperature Coefficient of I <sub>sc</sub>	0.05%/°C

**WARRANTY**

25 Year Product Power Warranty  
 10 Year Limited Power Warranty

### POWER+ SOLUTION

The SMA Power+ Solution combines legendary SMA inverter performance and SunSpec certified shutdown devices in one cost-effective, comprehensive package. In addition, SMA ShadeFix technology optimizes power production and provides greater reliability than alternatives.

This rapid shutdown solution fulfills all UL1741, NEC 2014, and NEC 2017 requirements and is certified to the power line based SunSpec Rapid Shutdown communications signal over DC wires, making it the most simple and cost-effective rapid shutdown solution on the market.

Visit [www.SMA-America.com](http://www.SMA-America.com) for more information.

**TECHNICAL DATA SHEET**



TRINSA 365W SOLAR MODULE

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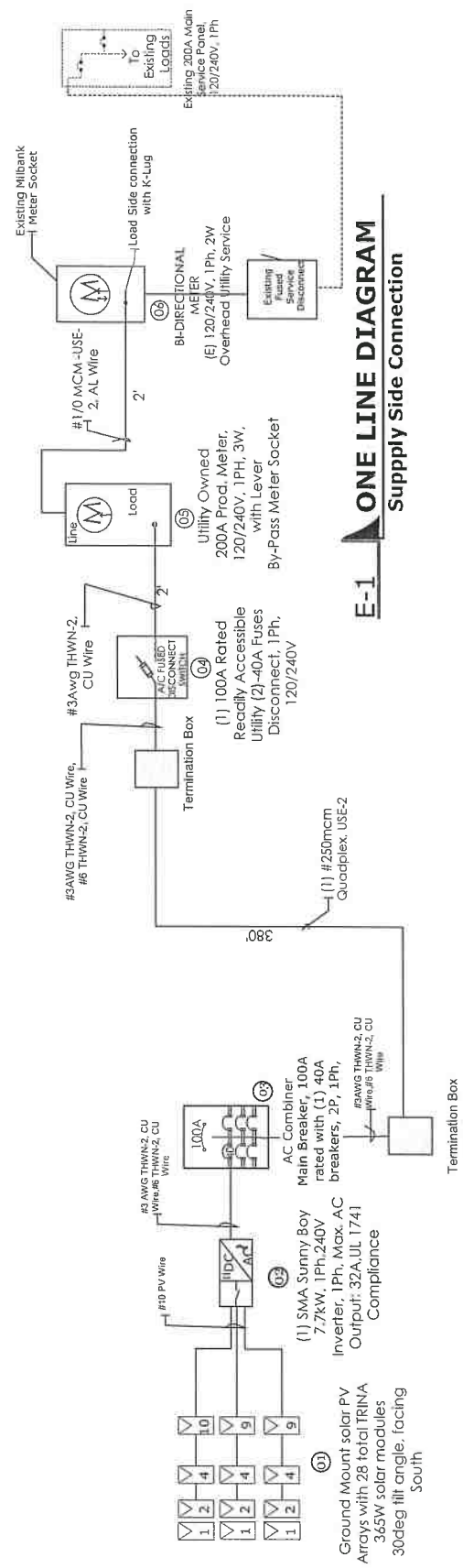
**Attachment III: One-line Diagram Depicting the Distributed Energy Resource, Interconnection Facilities, and Metering Equipment, and Upgrades**

97

ACCOUNT NO. 011005-000  
 METER NO. 21766 (69018273)  
 PREMISE NO. 0000X0000  
 CLIENT: LEO DETERT  
 532 State Hwy 15, Fatmout MN 56031  
 PH: 507-236-2090

PROJECT TITLE: PROPOSED 10.22kW(DC) / 7.7kW(AC) GROUND MOUNT SOLAR PV SYSTEM  
 LOCATION: 532 State Hwy 15, Fatmout MN 56031

DRAWN BY: Jessica A.  
 DATE DRAWN: 01-06-2022  
 REVISION: 00-00-00



STRING SIZING	# of Modules
INVERTER #1	
String #1	10 Modules
String #2	9 Modules
String #3	9 Modules

LEGEND:	
61	Solar Arrays 28 Total - Ground Mount Trina, 365W Modules, Facing South, Portrait mount
62	1 Total Inverter - SMA SUNNY BOY 7.7-1, 240V, Max Output Current: 32A & UL1741 Certified Nema 3R
63	1 -AC Combiner Main Breaker, 100A rated with (1) 40A, 2 Pole, 1 Ph
64	(1) 100A Rated Readily Accessible Utility (2)-40A Fuses Disconnect, 1Ph, 120/240V
65	200A Production Meter, 120/240V, 1PH, 3W, Lever Bypass Meter Socket
66	Utility Meter Bi-Directional Self-Contained Meter, 120/240V, 3W 1Ph Utility Service Overhead Fed

LABELS MEET NEC REQUIREMENTS (REFER TO SHT. E/2)	
Inverter :	☆☆☆☆☆☆☆☆☆☆
DC Disconnect :	☆☆☆☆☆☆☆☆☆☆
Utility AC Disconnect :	☆☆☆☆☆☆☆☆☆☆
Production Meter :	☆☆☆☆☆☆☆☆☆☆
AC Combiner :	☆☆☆☆☆☆☆☆☆☆
Main Service Meter :	☆☆☆☆☆☆☆☆☆☆

32(a)

98

## Attachment VII: Assignment of Interconnection Agreement

This is an Assignment of Interconnection Agreement (“Agreement”).

There is an Interconnection Agreement, including any and all Attachments thereto including any and all amendments (“Agreement”) by and Fairmont Public Utilities, a municipal utility existing under the laws of the State of Minnesota, (“Area EPS Operator”), and

\_\_\_\_\_, (“Assignor”) originally signed by the Area EPS Operator on \_\_\_\_\_ for a Distributed Energy Resource (DER) described as follows:

### DER System Information

Type of DER System: \_\_\_\_\_

Capacity Rating of System (AC): \_\_\_\_\_

Limited Capacity Rating (AC): \_\_\_\_\_

Address of DER System: \_\_\_\_\_  
\_\_\_\_\_

The Assignor intends to convey its interest in the above-referenced DER to \_\_\_\_\_ (“Assignee”), and the Assignor intends to assign the Agreement to the Assignee.

Upon the execution of this Assignment by the Assignor, Assignee and the Area EPS Operator, agree as follows:

- 1. Capitalized Terms.** Capitalized terms used but not defined herein shall have the meanings set forth in the Agreement.
- 2. Consent to Assignment.** The Assignor hereby irrevocably assigns the Agreement in all respects to the Assignee and the Assignee accepts the assignment thereof in all respects.
- 3. Amendment to Agreement.** The Area EPS Operator consents to this assignment and, as assigned, the Agreement is hereby amended so that wherever the name of the Assignor

is used therein it shall mean the Assignee. It is further agreed that all terms and conditions of the Agreement, as amended by this Assignment, shall remain in full force and effect.

- 4. **Payments by Area EPS Operator.** Any and all payments made by Area EPS Operator under the Agreement to either the Assignor or the Assignee shall be deemed to have been made to both and shall discharge the Area EPS Operator from any further liability with regard to said payment.
  
- 5. **Financial Obligations of Assignor and Assignee.** Any and all financial liability, including but not limited to amounts due, from the Interconnection Customer to the Area EPS Operator, occurring or accruing under the Agreement on or before the date of the signature of the Area EPS Operator to this Assignment shall be deemed to be the obligation of both the Assignor and Assignee, and the Area EPS Operator may recover any such amounts jointly and severally from the Assignor and Assignee.
  
- 6. **Contact information.** The following information updates and replaces the designated information as set forth on page 1 of the Agreement, and in Section 28.1, 28.2, 28.3 and 28.4 of the Agreement.

Page 1 Interconnection Customer Information

Interconnection Customer: \_\_\_\_\_  
Attention: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

28.1 General Notices. Interconnection Customer Information

Interconnection Customer: \_\_\_\_\_  
Attention: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

100



28.2 Billing and Payment Notices. Interconnection Customer Information

Interconnection Customer: \_\_\_\_\_  
Attention: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

28.3 Alternative Forms of Notices. Interconnection Customer Information

Interconnection Customer: \_\_\_\_\_  
Attention: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

28.4 Designated Operating Representative. Interconnection Customer Information

Interconnection Customer: \_\_\_\_\_  
Attention: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

7. **Signatures.** Facsimile or electronic signatures, or signatures to this Assignment sent electronically, shall have the same effect as original signatures. Photocopies, or electronically stored versions of this Assignment, shall have the same validity as the original.

(10)

The Area EPS Operator, Assignor, and Assignee have executed this Assignment as of the dates as set forth below.

**Assignor**

[Insert legal name of Assignor]

\_\_\_\_\_

Signed: \_\_\_\_\_

Name (Printed): \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**Assignee**

[Insert legal name of Assignee]

\_\_\_\_\_

Signed: \_\_\_\_\_

Name (Printed): \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

**Area EPS Operator**

Fairmont Public Utilities

\_\_\_\_\_

Signed: \_\_\_\_\_

Name (Printed): \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

102