

August 2022

Sep 2022 ►

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 7:00 pm City Council	2	3	4	5	6
7	8 6:30 pm Electric Committee Board of Public Affairs 7:30 pm Municipal Properties Committee	9 4:30 pm Board of Zoning Appeals 5:00 pm Planning Commission	10	11	12	13
14	15 6:00 pm Tree Commission 7:00 pm City Council	16	17	18	19	20
21	22 6:30 pm – Finance and Budget Committee 7:30 pm – Safety and Human Resources Committee	23 4:30 pm Civil Service Commission	24	25	26	27
28	29 <u>Fifth Monday</u>	30	31 6:30 pm Park Rec Board			

City of Napoleon, Ohio

ELECTRIC COMMITTEE

MEETING AGENDA

Monday, August 08, 2022 at 6:30 pm

location - Council Chambers, 255 West Riverview Avenue, Napoleon, Ohio

- 1) Call to Order
- 2) Approval of Minutes – April 11, 2022 (In the absence of any objections or corrections, the Minutes shall stand approved)
- 3) Review/Approval of the Power Supply Cost Adjustment Factor for August 2022:
PSCAF 3-month averaged factor \$0.02226 and JV2 \$0.112995
- 4) Smart Thermostat Program Presentation by AMP
- 5) Substation Project Update
- 6) Electric Department Reports
- 7) Adjournment.

Roxanne Dietrich

Roxanne Dietrich – Acting Clerk

Adjournment

Motion: Durham Second: Bialorucki
to adjourn the Electric Committee meeting at 6:42 pm

Roll call vote on the above motion:

Yea-Bialorucki, Siclair, Durham

Nay-

Yea-3, Nay-0. Motion Passed.

Approved

August 8, 2022

Lori Siclair
Electric Committee Chair

CITY OF NAPOLEON, OHIO
ELECTRIC COMMITTEE MEETING
Monday, June 13, 2022 at 6:30 pm

PRESENT

Committee Member	Lori Siclair-Chair
BOPA Members	Jeff Comadoll-Chair, Rory Prigge, Mike DeWit
City Manager	Joel Mazur via WebEx
Acting City Manager	Clayton O'Brien
City Staff	Greg Kuhlman-Electric Distribution Supt.
Others	Newmedia
Recorder	Roxanne Dietrich

ABSENT

Committee Members	Ross Durham, Joe Bialorucki
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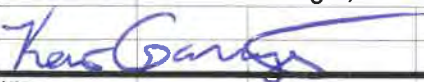
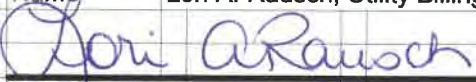
CALL TO ORDER

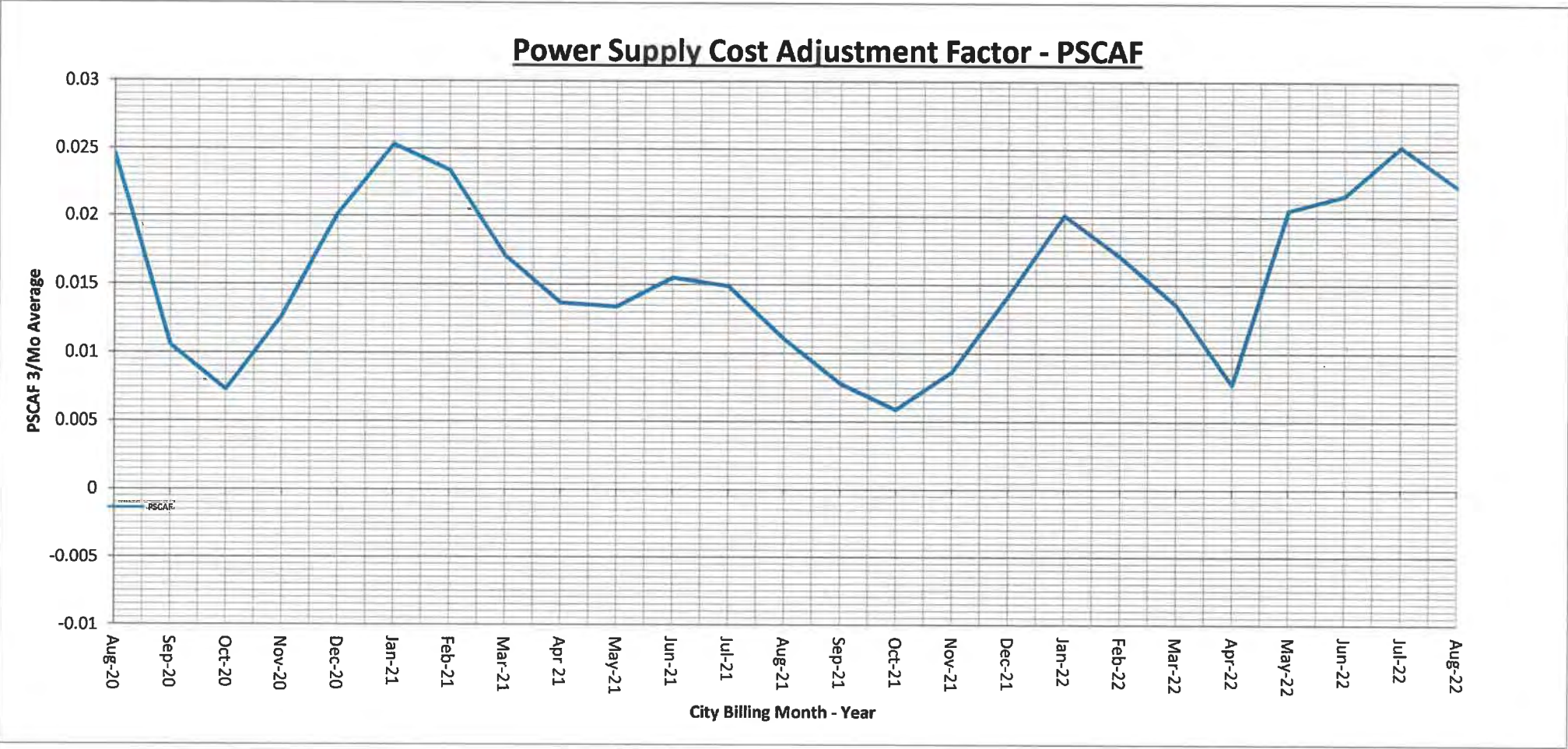
Siclair, Chair of the Electric Committee called the Electric Committee meeting to order at 6:30 pm, noting there is not a quorum is not present to hold the meeting. The Board of Public Affairs continued with their meeting.

CITY OF NAPOLEON, OHIO - PSCAF

POWER SUPPLY COST ADJUSTMENT FACTOR (PSCAF) - COMPUTATION OF MONTHLY PSCAF

COMPUTATIONS WITH CORRECTED DATA FROM JULY, 2015, THROUGH MARCH, 2017

AMP Billed Usage Month	PSCAF City Billing Month	AMP - kWh Delivered As Listed on AMP Invoices	Purchased Power Supply Costs (*=Net of Known) (+ OR - Other Cr's)	Rolling 3-Month Totals Current + Prior 2 Months kWh Cost		Rolling 3 Month Average Cost	Less: Fixed Base Power Supply Cost	PSCA Dollar Difference + or (-)	PSCA-Corrt'd. 3 MONTH AVG.FACTOR + Line Loss	Total Residential Cost / kWh For Month
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
		Actual Billed	Actual Billed w/Cr's	c + prior 2 Mo	d + prior 2 Mo	f / e	\$0.07194 Fixed	g + h	i X 1.075	
Aug 20	Oct 20	14,271,168	\$ 1,182,034.49	43,198,916	\$ 3,530,758.01	\$ 0.08173	\$ (0.07194)	\$ 0.00979	\$ 0.00731	0.1135
Oct 20	Dec 20	11,645,057	\$ 1,128,722.92	37,661,159	\$ 3,414,239.00	\$ 0.09066	\$ (0.07194)	\$ 0.01872	\$ 0.02012	0.1299
Nov 20	Jan 21	11,652,657	\$ 1,113,624.87	35,042,648	\$ 3,345,829.38	\$ 0.09548	\$ (0.07194)	\$ 0.02354	\$ 0.02531	0.1340
Dec 20	Feb 21	12,648,166	\$ 1,124,907.42	35,945,880	\$ 3,367,255.21	\$ 0.09368	\$ (0.07194)	\$ 0.02174	\$ 0.02337	0.1299
Jan 21	Mar 21	12,962,585	\$ 1,034,448.66	37,263,408	\$ 3,272,980.95	\$ 0.08783	\$ (0.07194)	\$ 0.01589	\$ 0.01708	0.1236
Feb 21	Apr 21	12,300,987	\$ 1,049,227.94	37,911,738	\$ 3,208,584.02	\$ 0.08463	\$ (0.07194)	\$ 0.01269	\$ 0.01364	0.1265
Mar 21	May 21	11,917,978	\$ 1,053,961.87	37,181,550	\$ 3,137,638.47	\$ 0.08439	\$ (0.07194)	\$ 0.01245	\$ 0.01338	0.1237
Apr 21	June 21	10,765,694	\$ 918,047.72	34,984,659	\$ 3,021,237.53	\$ 0.08636	\$ (0.07194)	\$ 0.01442	\$ 0.01550	0.1261
May 21	July 21	11,537,945	\$ 964,238.17	34,221,617	\$ 2,936,247.76	\$ 0.08580	\$ (0.07194)	\$ 0.01386	\$ 0.01490	0.1232
June 21	Aug 21	13,563,554	\$ 1,066,460.78	35,867,193	\$ 2,948,746.67	\$ 0.08221	\$ (0.07194)	\$ 0.01027	\$ 0.01104	0.1166
July 21	Sept 21	14,499,118	\$ 1,106,204.19	39,600,617	\$ 3,136,903.14	\$ 0.07921	\$ (0.07194)	\$ 0.00727	\$ 0.00782	0.1133
Aug 21	Oct 21	15,646,644	\$ 1,212,305.64	43,709,316	\$ 3,384,970.61	\$ 0.07744	\$ (0.07194)	\$ 0.00550	\$ 0.00591	0.1110
Sept 21	Nov 21	12,554,924	\$ 1,097,036.16	42,700,686	\$ 3,415,545.99	\$ 0.07999	\$ (0.07194)	\$ 0.00805	\$ 0.00865	0.1175
Oct 21	Dec 21	12,131,921	\$ 1,125,088.51	40,333,489	\$ 3,434,430.31	\$ 0.08515	\$ (0.07194)	\$ 0.01321	\$ 0.01420	0.1237
Nov 21	Jan 22	12,362,753	\$ 1,135,197.78	37,049,598	\$ 3,357,322.45	\$ 0.09062	\$ (0.07194)	\$ 0.01868	\$ 0.02008	0.1281
****Dec 21	Feb 22	12,816,596	\$ 1,016,008.94	37,311,270	\$ 3,276,295.23	\$ 0.08781	\$ (0.07194)	\$ 0.01587	\$ 0.01706	0.1238
Jan 22	Mar 22	13,995,086	\$ 1,160,729.26	39,174,435	\$ 3,311,935.98	\$ 0.08454	\$ (0.07194)	\$ 0.01260	\$ 0.01355	0.1199
Feb 22 ‡	Apr 22	12,258,331	\$ 1,108,306.10	39,070,013	\$ 3,285,044.30	\$ 0.08408	\$ (0.07194)	\$ 0.01214	\$ 0.01305	0.1205
Mar 22	May 22	12,370,598	\$ 1,125,556.75	38,624,015	\$ 3,394,592.11	\$ 0.08789	\$ (0.07194)	\$ 0.01595	\$ 0.01715	0.1297
Apr 22*	June 22	11,096,205	\$ 1,163,207.66	35,725,134	\$ 3,397,070.51	\$ 0.09509	\$ (0.07194)	\$ 0.02315	\$ 0.02156	0.1313
May 22	July 22	11,848,670	\$ 1,079,183.13	35,315,473	\$ 3,367,947.54	\$ 0.09537	\$ (0.07194)	\$ 0.02343	\$ 0.02519	0.1333
June 22	Aug 22	13,396,810	\$ 1,124,595.07	36,341,685	\$ 3,366,985.86	\$ 0.09265	\$ (0.07194)	\$ 0.02071	\$ 0.02226	
** Reduction of \$100,000 from actual invoice from AMP to be taken from reserve as approved by Council to lessen PSCA for month due to COVID-19 Pandemic.										
*** reduced PSCAF for Sept 20 from \$0.01377 to \$0.01056 to reflect corrected PSCAF with adjustment for Aug 20 by -\$0.003210 to incorporate the \$100,000 with the three month rolling average										
iNovember 2020 PSCAF is up because the approved credits/adjustments are now off of the three month rolling average										
**** Addition of \$344,986.22 from sale of JV5 Recs on February 2022 City Billing Month- AMP December 2021 Power Billing Invoice										
‡ Addition of \$193,082.78 from sale of JV5 Recs on April 2022 City Billing Month- AMP February 2022 Power Billing Invoice										
* reduced PSCAF for June 22 from \$0.02489 to \$0.02156 to reflect corrected PSCAF with adjustment for May 22 by -\$0.003330.										
PSCAF - Preparers Signature:						PSCAF - Reviewers Signature:				
Name - Kevin L. Garringer, Finance Director						Name - Lori A. Rausch, Utility Billing Administrator				
										
Signature						Signature				
Date 7-25-22						Date 7-25-22				





AMERICAN MUNICIPAL POWER, INC.
1111 Schrock Rd, Suite 100
COLUMBUS, OHIO 43229
PHONE: (614) 540-1111
FAX: (614) 540-1078

INVOICE NUMBER: 1003657
INVOICE DATE: 15-JUL-22
DUE DATE: 01-AUG-22
TOTAL AMOUNT DUE: \$1,124,595.07
CUSTOMER NUMBER 5020
CUSTOMER P.O. #:

City of Napoleon
255 West Riverview Avenue
P.O. Box 151
Napoleon, OH 43545-0151

MAKE CHECK PAYABLE TO AMP.
DIRECT INVOICE QUESTIONS TO BILLING@AMPPARTNERS.ORG

City of Napoleon Power Billing – June, 2022

Municipal Peak:	30,775	kW
Total Metered Energy:	13,460,935	kWh

Total Power Charges:	\$872,118.40
Total Transmission/Capacity/Ancillary Services:	\$242,805.85
Total Other Charges:	\$11,123.15
Total Miscellaneous Charges:	-\$1,452.33

TOTAL CHARGES

\$1,124,595.07

*To avoid a delayed payment charge, payment must be made to provide available funds for use by AMP on or before the due date.

Wire or ACH Transfer Information:

Huntington National Bank
Columbus, Ohio
Account No. 0189-2204055
ABA: #44 000024

Mailing Address:

AMP Inc.
Department L614
Columbus, OH 43260

DETAIL INFORMATION OF POWER CHARGES June, 2022
City of Napoleon

FOR THE MONTH OF:	June, 2022	Total Metered Load kWh:	13,460,935
		Transmission Losses kWh:	-64,125
		Distribution Losses kWh:	0
		Total Energy Req. kWh:	13,396,810
Time of Pool Peak:	06/15/2022 @ H.E. 15:00	Coincident Peak kW:	30,775
Time of Municipal Peak:	06/15/2022 @ H.E. 15:00	Municipal Peak kW:	30,775
Transmission Peak:	June,29,2021 @ H.E. 15:00	Transmission Peak kW:	30,320
		PJM Capacity Requirement kW:	28,916

City of Napoleon Resources

AMP CT - Sched @ ATSI

Demand Charge:	\$2.944540 kW	12,400 kW =	\$36,512.30
Energy Charge:	\$0.090550 kWh	145,333 kWh =	\$13,159.90
Transmission Credit:			-\$52,956.26
Capacity Credit:	\$1.374838 kW	-12,400 kW =	-\$17,047.99
Subtotal			-\$20,332.05

Fremont - sched @ Fremont

Demand Charge:	\$3.521790 kW	8,767 kW =	\$30,875.53
Energy Charge:	\$0.039430 kWh	4,318,275 kWh =	\$170,269.44
Net Congestion, Losses, FTR:			\$51,772.19
Capacity Credit:	\$1.491800 kW	-8,767 kW =	-\$13,078.61
Debt Service:	\$4.615970 kW	8,767 kW =	\$40,468.21
Adjustment for prior month:			\$79.85
Subtotal		4,318,275 kWh	\$280,386.61

AMP Hydro CSW - Sched @ PJMC

Demand Charge:	\$53.540000 kW	3,498 kW =	\$187,282.92
Energy Charge:	\$0.026000 kWh	2,120,328 kWh =	\$55,128.53
Net Congestion, Losses, FTR:			\$3,295.97
Capacity Credit:	\$4.948433 kW	-3,498 kW =	-\$17,309.62
REC Credit (Estimate):			-\$14,312.21
Subtotal		2,120,328 kWh	\$214,085.59

Meldahl Hydro - Sched @ Meldahl Bus

Demand Charge:	\$32.007579 kW	504 kW =	\$16,131.82
Energy Charge:	\$0.026000 kWh	292,289 kWh =	\$7,599.52
Net Congestion, Losses, FTR:			-\$860.54
Capacity Credit:	\$2.070556 kW	-504 kW =	-\$1,043.56
REC Credit (Estimate):			-\$1,972.95
Subtotal		292,289 kWh	\$19,854.29

JV6 - Sched @ ATSI

Demand Charge:	\$7.991822 kW	225 kW =	\$1,798.16
Energy Charge:		19,317 kWh =	
Transmission Credit:	\$0.185378 kW	-225 kW =	-\$41.71
Capacity Credit:	\$0.104089 kW	-225 kW =	-\$23.42
Subtotal			\$1,733.03

Greenup Hydro - Sched @ Greenup Bus

Demand Charge:	\$26.199606 kW	330 kW =	\$8,645.87
Energy Charge:	\$0.009000 kWh	157,727 kWh =	\$1,419.54
Net Congestion, Losses, FTR:			-\$660.53
Capacity Credit:	\$1.296121 kW	-330 kW =	-\$427.72
REC Credit (Estimate):			-\$1,064.66
Subtotal		157,727 kWh	\$7,912.50

Prairie State - Sched @ PJMC

Demand Charge:	\$11.951075 kW	4,976 kW =	\$59,468.55
Energy Charge:	\$0.005694 kWh	3,270,313 kWh =	\$18,622.32
Net Congestion, Losses, FTR:			\$5,773.60
Capacity Credit:	\$1.585639 kW	-4,976 kW =	-\$7,890.14
Debt Service:	\$22.991365 kW	4,976 kW =	\$114,405.03
Transmission from PSEC to PJM/MISO, including non-Prairie State variable charges/credits:	\$0.001887 kWh	3,270,313 kWh =	\$6,172.37
Subtotal		3,270,313 kWh	\$196,551.73

DETAIL INFORMATION OF POWER CHARGES June, 2022

City of Napoleon

NYPA - Sched @ NYIS

Demand Charge:	\$4.074032 kW	940 kW =	\$3,829.59
Energy Charge:	\$0.040712 kWh	562,037 kWh =	\$22,881.61
Net Congestion, Losses, FTR:			\$10,427.22
Capacity Credit:	\$1.523711 kW	-935 kW =	-\$1,424.67
Adjustment for prior month:			-\$568.42

Subtotal		562,037 kWh	\$35,145.33
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JV5 - 7X24 @ ATSI

Demand Charge:	\$13.092617 kW	3,088 kW =	\$40,430.00
Energy Charge:	\$0.020498 kWh	2,223,360 kWh =	\$45,574.67
Transmission Credit:	\$6.105683 kW	-3,088 kW =	-\$18,854.35
Capacity Credit:	\$1.523714 kW	-3,088 kW =	-\$4,705.23
Debt Service (current month):	\$17.660712 kW	3,088 kW =	\$54,536.28

Subtotal		2,223,360 kWh	\$116,981.37
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JV5 Losses - Sched @ ATSI

Energy Charge:		32,394 kWh =	
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Subtotal		32,394 kWh	\$0.00
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JV2 - Sched @ ATSI

Demand Charge:	\$3.010000 kW	264 kW =	\$794.64
Energy Charge:		1,855 kWh =	
Transmission Credit:	\$5.009470 kW	-264 kW =	-\$1,322.50
Capacity Credit:	\$1.867159 kW	-264 kW =	-\$492.93
JV2 Project Fuel Costs not recovered through Energy Sales to Market :			\$282.84

Subtotal		1,855 kWh	-\$737.95
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AMP Solar Phase I - Sched @ ATSI

Demand Charge:		1,040 kW =	
Energy Charge:	\$0.041279 kWh	175,189 kWh =	\$7,231.62
Transmission Credit:			-\$3,857.68
Capacity Credit:	\$0.701981 kWh	-1,040 kWh =	-\$730.06

Subtotal		175,189 kWh	\$2,643.88
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Efficiency Smart Power Plant 2020-23

ESPP 2020-2023 obligation @ \$1.650 /MWh x 139,116.5 MWh / 12:			\$19,128.51
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Subtotal			\$19,128.51
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Northern Power Pool -

On Peak Energy Charge: (M-F HE 08-23 EDT)	\$0.073595 kWh	523,673 kWh =	\$38,539.87
Off Peak Energy Charge:	\$0.031121 kWh	292,696 kWh =	\$9,109.05
Sale of Excess Non-Pool Resources to Pool:	\$0.076570 kWh	-737,976 kWh =	-\$56,506.96
Pool Congestion Hedge:			\$7,623.60

Subtotal		78,393 kWh	-\$1,234.44
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TRANSMISSION / CAPACITY / ANCILLARY SERVICES -

Demand Charge:	\$6.105683 kW	30,320 kW =	\$185,124.30
Energy Charge:	\$0.000533 kWh	11,173,450 kWh =	\$5,956.97
RPM (Capacity) Charges:	\$1.788788 kW	28,916 kW =	\$51,724.58

Subtotal			\$242,805.85
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OTHER CHARGES:

Dispatch Center Charges:	\$0.000044 kWh	13,460,935 kWh =	\$589.31
Service Fee A	\$0.000229 kWh	11,906,100 kWh =	\$2,726.50
Service Fee B	\$0.000580 kWh	13,460,935 kWh =	\$7,807.34

Subtotal			\$11,123.15
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MISCELLANEOUS CHARGES:-

Credit for PJM capacity revenues generated by Efficiency Smart projects			-\$1,452.33
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Subtotal			-\$1,452.33
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DETAIL INFORMATION OF POWER CHARGES June, 2022
City of Napoleon

Total Demand Charges	\$458,560.19
Total Energy Charges	\$413,558.21
Total Transmission/Capacity/Ancillary Services	\$242,805.85
Total Other Charges	\$11,123.15
Total Miscellaneous Charges	-\$1,452.33
GRAND TOTAL POWER INVOICE	\$1,124,595.07

BILLING SUMMARY AND CONSUMPTION for BILLING CYCLE -August, 2022

2022 - AUGUST BILLING WITH JUNE 2022 AMP BILLING PERIOD AND JULY 2022 CITY CONSUMPTION AND BILLING DATA

PREVIOUS MONTH'S POWER BILLS - PURCHASED POWER KWH AND COST ALLOCATIONS BY DEMAND & ENERGY:

DATA PERIOD	MONTH / YR	DAYS IN MONTH	MUNICIPAL PEAK						
AMP-Ohio Bill Month	JUNE, 2022	30	30,775.000						
City-System Data Month	JULY, 2022	31							
City-Monthly Billing Cycle	AUG, 2022	31							
=====CONTRACTED AND OPEN MARKET POWER=====									
						==PEAKING==			=====HYDRO POWER=====
PURCHASED POWER-RESOURCES ->	AMP CT	FREMONT ENERGY	PRAIRIE STATE SCHED. @ PJMC	MORGAN STNLY. REPLMNT. 2015-20	NORTHERN POWER	JV-2 PEAKING	AMP-HYDRO CSW	WELDAHL-HYDRO SCHED. @	GREENUP HYDRO SCHED. @
	SCHED. @ ATSI	SCHEDULED	REPLMT @ PJMC	7x24 @ AD	POOL	SCHED. @ ATSI	SCHED. @ PJMC	MELDAHL BUS	GREENUP BUS
Delivered kWh (On Peak) ->	145,333	4,318,275	3,270,313		523,673	1,855	2,120,328	292,289	157,727
Delivered kWh (Off Peak) ->					292,696				
Delivered kWh (Replacement/Losses/Offset) ->									
Delivered kWh/Sale (Credits) ->					-737,976				
Net Total Delivered kWh as Billed ->	145,333	4,318,275	3,270,313	0	78,393	1,855	2,120,328	292,289	157,727
Percent % of Total Power Purchased->	1.0848%	32.2338%	24.4111%	0.0000%	0.5852%	0.0138%	15.8271%	2.1818%	1.1773%
COST OF PURCHASED POWER:									
DEMAND CHARGES (+Debits)									
Demand Charges	\$36,512.30	\$30,875.53	\$59,468.55			\$794.64	\$187,282.92	\$16,131.82	\$8,645.87
Debt Services (Principal & Interest)		\$40,468.21	\$114,405.03						
DEMAND CHARGES (-Credits)									
Transmission Charges (Demand-Credits)	-\$52,956.26					-\$1,322.50			
Capacity Credit	-\$17,047.99	-\$13,078.61	-\$7,890.14			-\$492.93	-\$17,309.62	-\$1,043.56	-\$427.72
Sub-Total Demand Charges	-\$33,491.95	\$58,265.13	\$165,983.44	\$0.00	\$0.00	-\$1,020.79	\$169,973.30	\$15,088.26	\$8,218.15
ENERGY CHARGES (+Debits):									
Energy Charges - (On Peak)	\$13,159.90	\$170,269.44	\$18,622.32		\$38,539.87		\$55,128.53	\$7,599.52	\$1,419.54
Energy Charges - (Replacement/Off Peak)					\$9,109.05				
Net Congestion, Losses, FTR		\$51,772.19	\$5,773.60				\$3,295.97	-\$860.54	
Transmission Charges (Energy-Debits)			\$6,172.37						
ESPP Charges									
Bill Adjustments (General & Rate Levelization)		\$79.85							
ENERGY CHARGES (-Credits or Adjustments):									
Energy Charges - On Peak (Sale or Rate Stabilization)					-\$56,506.96				
Net Congestion, Losses, FTR									-\$660.53
Bill Adjustments (General & Rate Levelization)					\$7,623.60	\$282.84	-\$14,312.21	-\$1,972.95	-\$1,064.66
Sub-Total Energy Charges	\$13,159.90	\$222,121.48	\$30,568.29	\$0.00	-\$1,234.44	\$282.84	\$44,112.29	\$4,766.03	-\$305.65
TRANSMISSION & SERVICE CHARGES, MISC.:									
RPM / PJM Charges Capacity - (+Debit)									
RPM / PJM Charges Capacity - (-Credit)									
Service Fees AMP-Dispatch Center - (+Debit/-Credit)									
Service Fees AMP-Part A - (+Debit/-Credit)									
Service Fees AMP-Part B - (+Debit/-Credit)									
Other Charges & Bill Adjustments - (+Debit/-Credit)									
Sub-Total Service Fees & Other Charges	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL NET COST OF PURCHASED POWER	-\$20,332.05	\$280,386.61	\$196,551.73	\$0.00	-\$1,234.44	-\$737.95	\$214,085.59	\$19,854.29	\$7,912.50
Percent % of Total Power Cost->	-1.8079%	24.9322%	17.4776%	0.0000%	-0.1098%	-0.0656%	19.0367%	1.7655%	0.7036%
Purchased Power Resources - Cost per kWh->	-\$0.139900	\$0.064930	\$0.060102	\$0.000000	-\$0.015747	-\$0.397817	\$0.100968	\$0.067927	\$0.050166

BILLING SUMMARY AND CONS

2022 - AUGUST BILLING WITH JUNE 2022 AMP

PREVIOUS MONTH'S POWER BILLS - PU**DATA PERIOD**

AMP-Ohio Bill Month

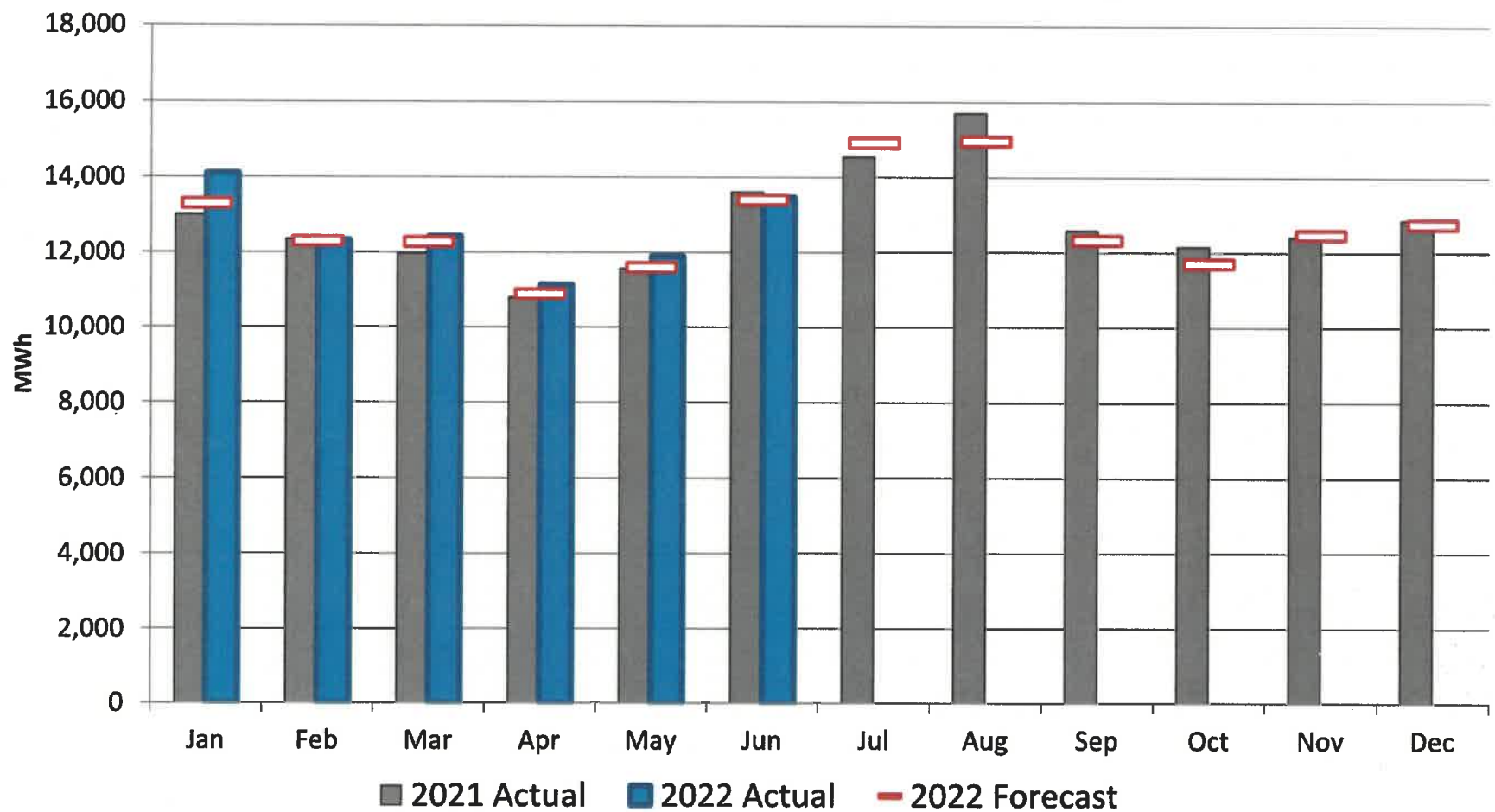
City-System Data Month

City-Monthly Billing Cycle

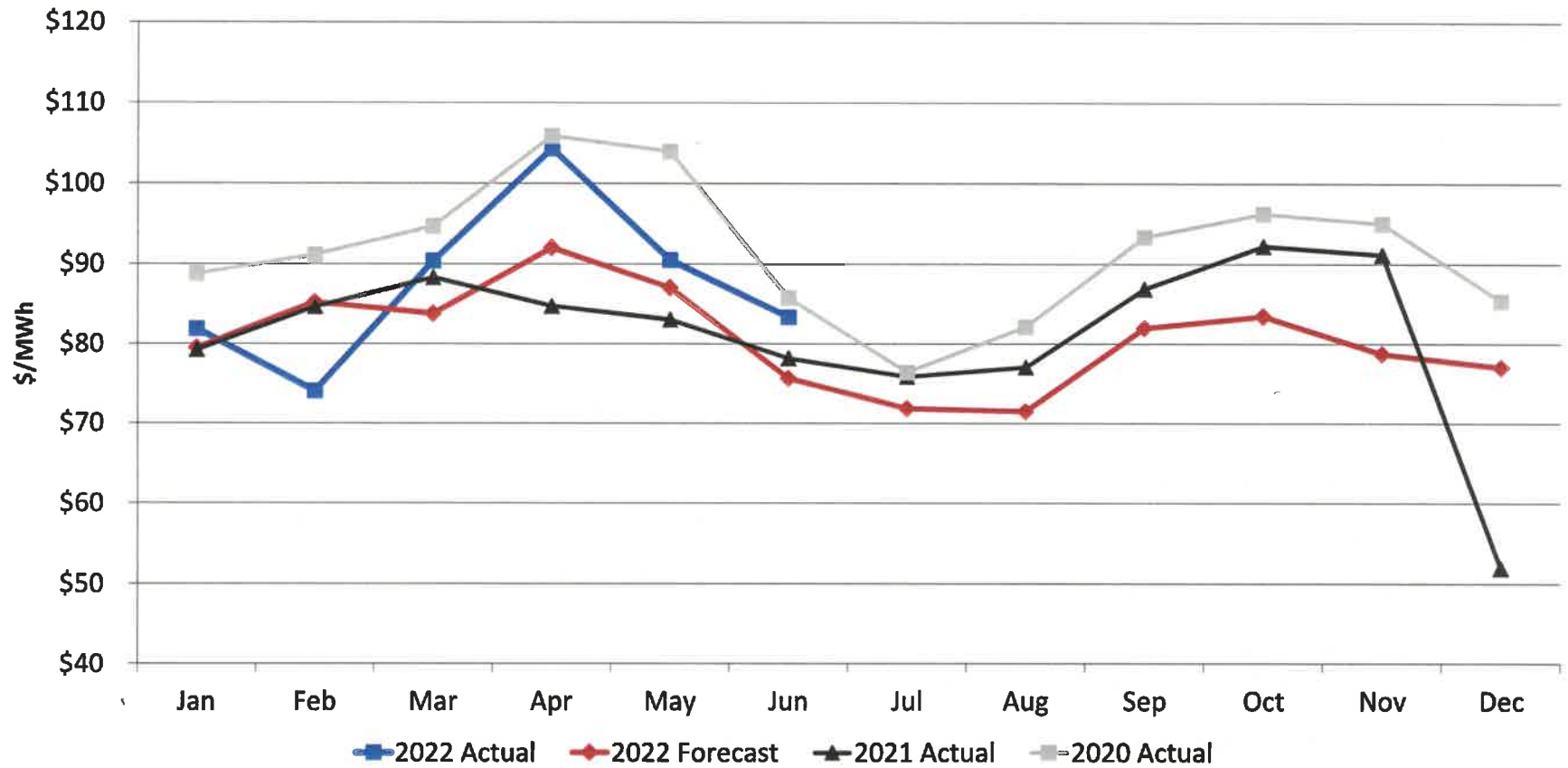
	=====WIND=====			====SOLAR====		====TRANSMISSION, SERVICE FEES & MISC. CONTRACTS====				
	NYPA	JV-5	JV-6	AMP SOLAR	EFFNCY.SMART	TRANSMISSION	SERVICE FEES	MISCELLANEOUS	TOTAL -	
PURCHASED POWER-RESOURCES -> (HYDRO	HYDRO	WIND	PHASE 1	POWER PLANT	CHARGES	DISPATCH, A & B	CHARGES &	ALL	
(SCHED. @ NYIS	7x24 @ ATSI	SCHED. @ ATSI	SCHED. @ ATSI	SCHED. @ ATSI	2017 - 2020	Other Charges	Other Charges	LEVELIZATION	RESOURCES	
Delivered kWh (On Peak) ->	562,037	2,223,360	19,317	175,189	0	0	0	0	13,809,696	
Delivered kWh (Off Peak) ->									292,696	
Delivered kWh (Replacement/Losses/Offset) ->		32,394							32,394	
Delivered kWh/Sale (Credits) ->									-737,976	
Net Total Delivered kWh as Billed ->	562,037	2,255,754	19,317	175,189	0	0	0	0	13,396,810	
Percent % of Total Power Purchased->	4.1953%	16.8380%	0.1442%	1.3077%	0.0000%	0.0000%	0.0000%	0.0000%	100.0001%	
								Verification Total ->	100.0000%	
COST OF PURCHASED POWER:										
DEMAND CHARGES (+Debits)										
Demand Charges	\$3,829.59	\$40,430.00	\$1,798.16		\$0.00	\$185,124.30			\$570,893.68	
Debt Services (Principal & Interest)		\$54,536.28							\$209,409.52	
DEMAND CHARGES (-Credits)										
Transmission Charges (Demand-Credits)		-\$18,854.35	-\$41.71						-\$73,174.82	
Capacity Credit	-\$1,424.67	-\$4,705.23	-\$23.42						-\$63,443.89	
Sub-Total Demand Charges	\$2,404.92	\$71,406.70	\$1,733.03	\$0.00	\$0.00	\$185,124.30	\$0.00	\$0.00	\$643,684.49	
ENERGY CHARGES (+Debits):										
Energy Charges - (On Peak)	\$22,881.61	\$45,574.67		\$7,231.62	\$0.00	\$5,956.97			\$386,383.99	
Energy Charges - (Replacement/Off Peak)									\$9,109.05	
Net Congestion, Losses, FTR	\$10,427.22								\$70,408.44	
Transmission Charges (Energy-Debits)				-\$3,857.68					\$2,314.69	
ESPP Charges					\$19,128.51				\$19,128.51	
Bill Adjustments (General & Rate Levelization)									\$79.85	
ENERGY CHARGES (-Credits or Adjustments):										
Energy Charges - On Peak (Sale or Rate Stabilization)									-\$56,506.96	
Net Congestion, Losses, FTR				-\$730.06	\$0.00				-\$1,390.59	
Bill Adjustments (General & Rate Levelization)	-\$568.42								-\$10,011.80	
Sub-Total Energy Charges	\$32,740.41	\$45,574.67	\$0.00	\$2,643.88	\$19,128.51	\$5,956.97	\$0.00	\$0.00	\$419,515.18	
TRANSMISSION & SERVICE CHARGES, MISC.:										
RPM / PJM Charges Capacity - (+Debit)						\$51,724.58			\$51,724.58	
RPM / PJM Charges Capacity - (-Credit)									\$0.00	
Service Fees AMP-Dispatch Center - (+Debit/-Credit)							589.31		\$589.31	
Service Fees AMP-Part A - (+Debit/-Credit)							\$2,726.50		\$2,726.50	
Service Fees AMP-Part B - (+Debit/-Credit)							\$7,807.34		\$7,807.34	
Other Charges & Bill Adjustments - (+Debit/-Credit)							\$0.00	-\$1,452.33	-\$1,452.33	
Sub-Total Service Fees & Other Charges	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$51,724.58	\$11,123.15	-\$1,452.33	\$61,395.40	
TOTAL NET COST OF PURCHASED POWER	\$35,145.33	\$116,981.37	\$1,733.03	\$2,643.88	\$19,128.51	\$242,805.85	\$11,123.15	-\$1,452.33	\$1,124,595.07	
Percent % of Total Power Cost->	3.1252%	10.4021%	0.1541%	0.2351%	1.7009%	21.5905%	0.9891%	-0.1291%	100.000%	
Purchased Power Resources - Cost per kWh->	\$0.062532	\$0.051859	\$0.089715	\$0.015092	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.083945	
								Verification Total ->	\$1,124,595.07	
								(Northern Pool Power - On-Peak + Off-Peak - Energy Charge/kWh) = JV2 Electric Service Rate ->	-\$0.112995	
								(Northern Pool Power - On-Peak + Off-Peak - Energy Charge/kWh) = JV5 Electric Service Rate ->	-\$0.112995	

Napoleon Capacity Plan - Actual													
Jun	2022	ACTUAL DEMAND =		30.78	MW								
Days	30	ACTUAL ENERGY =		13,461	MWH								
	SOURCE	DEMAND MW	DEMAND MW-MO	ENERGY MWH	LOAD FACTOR	DEMAND RATE \$/KW	ENERGY RATE \$/MWH	CONGESTION/L LOSSES \$/MWH	CAPACITY CREDIT RATE \$/KW	TRANSMISSION CREDIT RATE \$/KW	TOTAL CHARGES	EFFECTIVE RATE \$/MWH	% OF DOLLARS
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1	NYPA - Ohio	0.94	0.94	562	83%	\$4.07	\$39.70	\$18.55	-\$1.52		\$35,145	\$62.53	3.1%
2	JV5	3.09	3.09	2,223	100%	\$30.75	\$20.50		-\$1.52	-\$8.11	\$116,981	\$52.81	10.4%
3	JV5 Losses	0.00	0.00	32	0%						\$0		0.0%
4	JV6	0.23	0.23	19	12%	\$7.99			-\$0.10	-\$0.19	\$1,733	\$89.72	0.2%
5	AMP-Hydro	3.50	3.50	2,120	84%	\$53.54	\$19.25	\$1.55	-\$4.95		\$214,086	\$100.97	19.1%
6	Meldahl	0.50	0.50	292	81%	\$32.01	\$19.25	-\$2.94	-\$2.07		\$19,854	\$87.93	1.8%
7	Greenup	0.33	0.33	158	68%	\$26.20	\$2.25	-\$4.19	-\$1.30		\$7,913	\$50.17	0.7%
8	AFEC	8.77	8.77	4,318	68%	\$8.14	\$39.45	\$11.99	-\$1.49		\$280,387	\$64.93	25.0%
9	Prairie State	4.98	4.98	3,270	91%	\$34.94	\$7.58	\$1.77	-\$1.59		\$199,552	\$60.10	17.5%
10	AMP Solar Phase I	1.04	1.04	175	23%		\$41.28		-\$0.70	-\$3.71	\$2,644	\$15.09	0.2%
11	AMPCT	12.40	12.40	145	2%	\$2.94	\$90.55		-\$1.37	-\$4.27	-\$20,332	-\$138.90	-1.8%
12	JV2	0.28	0.26	2	1%	\$3.01	\$152.48		-\$1.87	-\$5.01	-\$738		-0.1%
13	NPP Pool Purchases	0.00	0.00	816	0%		\$67.71				\$55,273	\$67.71	4.6%
14	NPP Pool Sales	0.00		-738	0%		\$76.57				-\$56,507	\$76.57	-5.0%
	POWER TOTAL	36.03	36.03	13,397	52%	\$595,179	\$329,270	\$5.21	-\$64,174	-\$77,033	\$852,990	\$63.67	76.0%
15	Energy Efficiency			0			\$17,676				\$17,676		1.6%
16	Installed Capacity	28.92	28.92			\$1.79					\$51,725	\$3.84	4.6%
17	Transmission	30.32	30.32	11,173		\$6.11	\$0.53				\$191,081	\$14.20	17.0%
18	Service Fee B			13,461			\$0.58				\$7,807	\$0.58	0.7%
19	Dispatch Charge			13,461			\$0.04				\$589	\$0.04	0.1%
	OTHER TOTAL					\$235,397	\$33,482				\$268,879	\$19.97	24.0%
GRAND TOTAL PURCHASED				13,397							\$1,121,869		
Delivered to members		30.775	30.775	13,461	61%						\$1,121,869	\$83.34	100.0%
		DEMAND		ENERGY	L.F.						TOTAL \$	\$/MWh	Avg Temp
	2022 Forecast	29.00		13,388	64%						\$1,012,512	\$75.63	69.5
	2021 Actual	30.37		13,618	62%						\$1,064,355	\$78.18	74.1
	2020 Actual	28.66		13,232	64%						\$1,134,690	\$85.75	72.3
											Actual Temp		73.4

Napoleon 2022 Monthly Energy Usage



Napoleon 2022 Monthly Rates

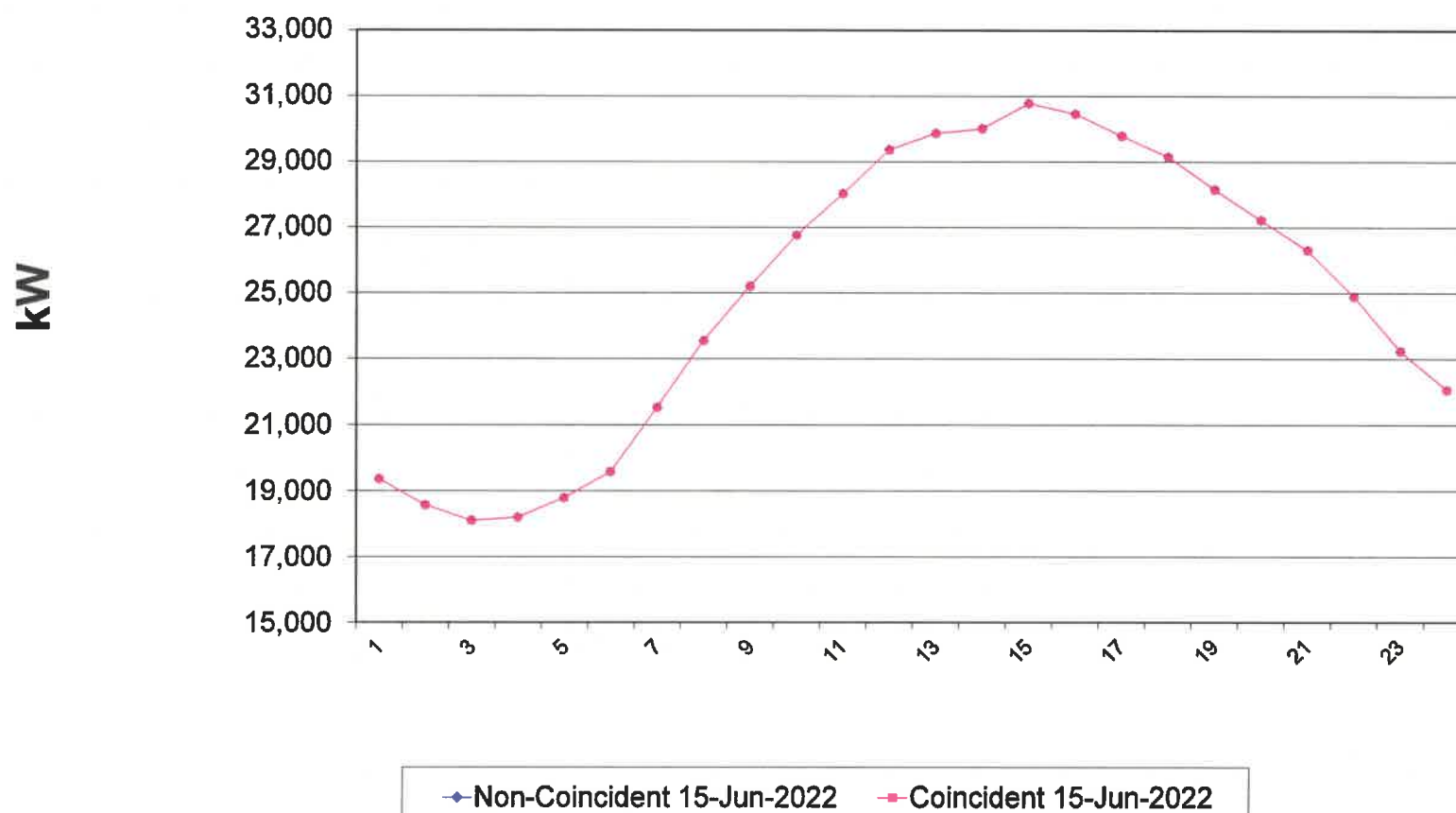


NAPOLEON

Date	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday
Hour	6/1/2022	6/2/2022	6/3/2022	6/4/2022	6/5/2022	6/6/2022	6/7/2022	6/8/2022	6/9/2022	6/10/2022	6/11/2022	6/12/2022	6/13/2022	6/14/2022	6/15/2022
100	17,036	15,035	13,930	12,347	12,105	14,304	15,054	14,097	13,949	13,719	12,894	12,364	15,490	15,560	19,351
200	16,548	14,591	13,670	11,892	11,833	13,900	14,676	13,741	13,625	13,320	12,375	12,031	14,951	15,137	18,563
300	16,182	14,093	13,541	11,581	11,699	13,485	14,304	13,591	13,429	13,204	11,838	11,582	14,484	14,918	18,086
400	16,196	14,058	13,673	11,589	11,595	13,591	14,345	13,812	13,520	13,348	11,619	11,393	14,727	15,009	18,189
500	16,752	14,728	14,147	11,759	11,688	14,563	15,195	14,502	13,924	13,915	11,766	11,399	15,408	15,597	18,781
600	17,386	15,368	14,708	11,787	11,759	15,244	16,069	15,219	14,773	14,495	12,182	11,621	16,204	16,726	19,575
700	19,045	16,751	15,977	12,261	12,051	16,604	17,167	16,543	16,106	15,556	12,963	12,387	17,900	18,276	21,519
800	20,901	17,803	17,038	13,065	12,693	17,806	18,300	17,462	17,183	16,702	14,105	13,422	19,315	19,654	23,538
900	22,485	18,071	17,666	13,684	13,303	18,926	19,400	18,142	17,589	17,731	14,840	14,137	20,788	20,850	25,195
1000	23,811	18,472	18,303	14,313	14,043	20,155	19,627	18,658	18,079	18,125	15,575	14,821	21,910	22,229	26,751
1100	23,759	18,847	18,703	14,677	14,668	21,141	19,892	19,059	18,365	18,303	16,342	16,019	23,448	23,543	28,014
1200	24,381	19,282	19,250	15,221	15,348	21,997	20,200	19,642	18,425	18,813	16,633	17,100	24,279	25,137	29,357
1300	25,071	19,632	19,432	15,339	16,095	22,638	20,580	20,214	19,060	19,185	16,701	18,102	25,362	26,561	29,854
1400	25,058	19,811	19,460	15,428	16,684	22,616	20,946	19,998	19,250	19,493	16,632	18,670	26,030	27,582	30,001
1500	24,938	19,788	19,507	15,641	16,806	21,478	21,003	19,692	19,277	19,525	16,392	19,142	26,842	28,038	30,775
1600	25,005	19,580	19,313	15,249	17,184	20,219	20,974	19,089	19,362	19,288	16,007	19,126	27,098	27,851	30,443
1700	24,378	19,376	18,875	14,953	17,437	19,885	20,505	18,267	18,769	19,270	15,588	19,126	26,771	27,501	29,776
1800	22,835	19,102	18,602	14,609	17,296	19,367	20,135	17,853	18,635	18,822	15,417	19,322	25,789	27,055	29,140
1900	21,420	18,751	18,093	14,455	17,165	18,627	19,445	17,486	17,865	17,701	15,046	19,599	24,127	26,617	28,148
2000	20,323	18,186	17,344	14,303	16,963	18,198	18,576	17,044	17,629	17,107	14,707	19,235	22,708	25,846	27,205
2100	19,863	17,849	16,704	14,390	16,868	17,917	17,830	16,860	17,358	17,039	14,800	18,868	21,872	25,158	26,288
2200	18,222	16,859	15,488	13,930	16,185	17,154	17,017	15,921	16,498	15,981	14,274	18,299	18,962	23,769	24,879
2300	17,089	15,859	14,024	13,277	15,784	16,319	15,718	14,950	15,276	14,463	13,567	17,464	17,584	22,031	23,216
2400	15,984	14,536	13,042	12,651	14,836	15,432	14,779	14,363	14,521	13,471	12,887	16,389	16,612	20,529	22,045
Total	494,668	416,228	400,490	328,401	352,088	431,566	431,737	406,205	402,467	398,576	345,150	381,618	498,661	531,174	598,699

Date	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
Hour	6/16/2022	6/17/2022	6/18/2022	6/19/2022	6/20/2022	6/21/2022	6/22/2022	6/23/2022	6/24/2022	6/25/2022	6/26/2022	6/27/2022	6/28/2022	6/29/2022	6/30/2022	7/1/2022
100	20,883	18,903	14,012	12,195	13,943	15,518	19,864	16,819	15,240	15,811	15,896	14,490	14,021	15,084	17,192	-
200	20,125	18,199	13,400	11,923	13,667	14,885	19,393	16,239	14,543	15,067	15,226	14,026	13,663	14,497	16,350	-
300	19,547	17,393	12,841	11,495	13,529	14,533	18,706	15,512	14,049	14,301	14,901	13,616	13,462	14,173	15,776	-
400	19,497	17,205	12,678	11,356	13,902	14,655	18,497	15,337	14,237	14,050	14,850	13,617	13,610	14,411	15,735	-
500	19,853	17,438	12,719	11,287	14,587	15,412	19,061	15,793	14,749	13,950	14,576	14,492	14,208	15,001	16,039	-
600	20,749	17,795	12,838	11,245	15,454	15,986	19,759	16,398	15,377	13,990	14,802	15,267	14,787	15,735	16,593	-
700	22,695	19,343	13,671	11,880	16,472	18,058	21,626	17,926	16,843	15,197	15,437	16,475	15,816	16,786	17,895	-
800	24,313	21,158	14,375	12,708	17,520	19,770	23,816	19,224	18,627	16,532	16,252	17,816	16,908	17,836	20,012	-
900	26,034	22,331	15,016	13,419	18,258	21,529	25,303	20,480	19,919	17,634	17,080	18,472	17,886	18,869	21,606	-
1000	26,398	22,919	15,604	13,966	19,263	22,974	26,703	21,332	20,833	18,982	18,117	19,202	18,311	19,612	23,142	-
1100	27,630	23,366	15,959	14,564	20,212	24,569	27,451	22,297	21,807	20,273	19,058	20,000	18,931	20,762	24,363	-
1200	28,963	23,778	15,841	15,043	20,819	26,144	28,353	22,484	22,688	21,083	19,329	20,500	19,458	21,954	25,383	-
1300	29,163	23,938	15,930	15,463	21,628	27,052	29,018	23,109	23,582	21,930	19,440	20,723	20,278	23,189	25,992	-
1400	29,336	23,960	15,943	15,947	22,679	28,076	29,305	23,460	24,177	22,445	20,716	20,908	20,653	23,733	26,628	-
1500	29,161	23,933	16,131	16,345	23,388	28,595	29,198	24,029	24,840	22,819	20,981	21,234	20,942	24,410	27,018	-
1600	28,682	23,446	16,477	17,095	23,601	28,477	27,956	24,048	25,129	22,826	21,677	21,070	21,545	24,825	27,260	-
1700	28,311	22,878	16,800	17,655	23,617	28,297	27,183	23,874	24,567	22,367	22,143	20,835	21,475	24,678	26,998	-
1800	28,009	22,133	16,763	17,808	23,830	28,109	26,568	23,533	24,166	22,078	21,517	20,378	21,482	24,364	26,925	-
1900	27,268	21,188	16,297	17,353	22,574	27,614	25,401	22,963	23,570	20,891	20,465	19,593	21,068	24,243	25,935	-
2000	26,275	20,104	15,544	16,935	21,577	26,646	24,361	21,950	22,454	19,997	19,001	18,595	20,562	23,322	24,949	-
2100	24,966	19,027	14,962	16,678	20,772	25,515	22,868	20,700	21,383	19,568	17,970	17,868	19,696	22,354	23,510	-
2200	23,498	17,838	14,500	15,960	19,375	23,959	21,446	19,285	20,187	18,537	16,956	16,919	18,703	21,137	21,910	-
2300	21,502	16,444	13,705	15,526	17,729	22,236	19,425	17,549	18,342	17,524	16,267	15,525	17,170	19,381	20,432	-
2400	20,133	15,210	12,830	14,724	16,546	20,800	17,966	16,396	16,920	16,588	15,377	14,634	15,970	18,211	18,995	-
Total	592,991	474,717	354,836	348,570	454,942	539,409	569,227	480,737	478,229	444,440	428,034	426,255	430,405	478,567	526,638	-
											Maximum	30,775	Minimum	11,245	Grand Total	13,460,935

Napoleon Peak Day Load Curve



RATE REVIEW COMPARISONS - Current to Prior Month and Prior Year

2022 AUGUST BILLING - ELECTRIC PSCAF - BILLING COMPARISONS TO PRIOR PERIODS

Rate Comparisons to Prior Month and Prior Year for Same Period

	Service Usage	Service Units	Current AUGUST 2022 Rate	Prior Month JULY 2022 Rate	Prior Year AUGUST 2021 Rate		Service Usage	Service Units	Current AUGUST 2022 Rate	Prior Month JULY 2022 Rate	Prior Year AUGUST 2021 Rate
Customer Type											
Customer Type ->											
			RESIDENTIAL USER - (w/Gas Heat)						RESIDENTIAL USER - (All Electric)		
Customer Charge			\$6.00	\$6.00	\$6.00				\$6.00	\$6.00	\$6.00
Distribution Energy Charge			\$20.93	\$20.93	\$20.93				\$33.39	\$33.39	\$33.39
Distribution Demand Charge											
Power Supply Energy Charge	978	kWh	\$71.20	\$71.20	\$71.20	1,976	kWh	\$143.85	\$143.85	\$143.85	\$143.85
Power Supply Demand Charge											
PSCAF - Monthly Factor	978	kWh	\$21.77	\$24.64	\$10.80	1,976	kWh	\$43.99	\$49.78	\$21.82	\$21.82
kWh Tax- Level 1	978	kWh	\$4.55	\$4.55	\$4.55	1,976	kWh	\$9.19	\$9.19	\$9.19	\$9.19
kWh Tax- Level 2											
kWh Tax- Level 3											
Total Electric			\$124.45	\$127.32	\$113.48				\$236.42	\$242.21	\$214.25
Water	6	CCF	\$63.37	\$63.37	\$50.55	11	CCF	\$105.21	\$105.21	\$83.14	\$83.14
Sewer (w/Stm.Sew. & Lat.)	6	CCF	\$78.27	\$78.27	\$70.89	11	CCF	\$112.42	\$112.42	\$98.89	\$98.89
Storm Water (Rate/ERU)			\$9.50	\$9.50	\$9.50			\$9.50	\$9.50	\$9.50	\$9.50
Refuse (Rate/Service)			\$18.00	\$18.00	\$18.00			\$18.00	\$18.00	\$18.00	\$18.00
Sub-Other Services			\$169.14	\$169.14	\$148.94			\$245.13	\$245.13	\$209.53	\$209.53
Total Billing - All Services			\$293.59	\$296.46	\$262.42			\$481.55	\$487.34	\$423.78	\$423.78
Verification Totals->			\$293.59	\$296.46	\$262.42			\$481.55	\$487.34	\$423.78	\$423.78
				<u>Cr.Mo to Pr.Mo</u>	<u>Cr.Yr to Pr.Yr</u>				<u>Cr.Mo to Pr.Mo</u>	<u>Cr.Yr to Pr.Yr</u>	<u>Cr.Yr to Pr.Yr</u>
Dollar Chg.to Prior Periods				-\$2.87	\$31.17				-\$5.79	\$57.77	\$57.77
% Inc/Dec(-) to Prior Periods				-0.97%	11.88%				-1.19%	13.63%	13.63%
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Cost/kWh - Electric	978	kWh	\$0.12725	\$0.13018	\$0.11603	1,976	kWh	\$0.11965	\$0.12258	\$0.10843	\$0.10843
% Inc/Dec(-) to Prior Periods				-2.25%	9.67%				-2.39%	10.35%	10.35%
Cost/CCF - Water	6	CCF	\$10.56167	\$10.56167	\$8.42500	11	CCF	\$9.56455	\$9.56455	\$7.55818	\$7.55818
Cost/GALLONS - Water	4,488	GAL	\$0.01412	\$0.01412	\$0.01126	8,229	GAL	\$0.01279	\$0.01279	\$0.01010	\$0.01010
% Inc/Dec(-) to Prior Periods				0.00%	25.36%				0.00%	26.55%	26.55%
Cost/CCF - Sewer	6	CCF	\$13.04500	\$13.04500	\$11.81500	11	CCF	\$10.22000	\$10.22000	\$8.99000	\$8.99000
Cost/GALLON - Sewer	4,488	GAL	\$0.01744	\$0.01744	\$0.01580	8,229	GAL	\$0.01366	\$0.01366	\$0.01202	\$0.01202
% Inc/Dec(-) to Prior Periods				0.00%	10.41%				0.00%	13.68%	13.68%
(Listed Accounts Assume SAME USAGE for kWh and Water (CCF) for All Billing Periods)											
(One "1" Unit CCF of Water = "Hundred Cubic Foot" = 748.05 Gallons)											

RATE REVIEW COMPARISONS - Current to Prior Month and Prior Year

2022 AUGUST BILLING - ELE

Rate Comparisons to Prior Month a

			Current	Prior Month	Prior Year				Current	Prior Month	Prior Year
	Service	Service	AUGUST	JULY	AUGUST		Service	Service	AUGUST	JULY	AUGUST
Customer Type	Usage	Units	2022 Rate	2022 Rate	2021 Rate		Usage	Units	2022 Rate	2022 Rate	2021 Rate
Customer Type ->	COMMERCIAL USER - (3 Phase w/Demand)						INDUSTRIAL USER - (3 Phase w/Demand)				
Customer Charge			\$18.00	\$18.00	\$18.00				\$100.00	\$100.00	\$100.00
Distribution Energy Charge	7,040	kWh	\$38.02	\$38.02	\$38.02	98,748	Reactive		\$2,303.85	\$2,303.85	\$2,303.85
Distribution Demand Charge	20.32	kW/Dmd	\$92.86	\$92.86	\$92.86	1510.1	kW/Dmd		\$8,215.30	\$8,215.30	\$8,215.30
Power Supply Energy Charge	7,040	kWh	\$623.04	\$623.04	\$623.04	866,108	kWh		\$39,165.42	\$39,165.42	\$39,165.42
Power Supply Demand Charge									\$15,296.55	\$15,296.55	\$15,296.55
PSCAF - Monthly Factor	7,040	kWh	\$156.71	\$177.34	\$77.72				\$18,315.59	\$20,726.41	\$9,083.75
kWH Tax- Level 1			\$9.66	\$9.66	\$9.66				\$9.66	\$9.66	\$9.66
kWH Tax- Level 2			\$20.80	\$20.80	\$20.80				\$56.24	\$56.24	\$56.24
kWH Tax- Level 3									\$3,087.71	\$3,087.71	\$3,087.71
Total Electric			\$959.09	\$979.72	\$880.10				\$86,550.32	\$88,961.14	\$77,318.48
Water	25	CCF	\$217.77	\$217.77	\$170.92	300	CCF		\$2,446.61	\$2,446.61	\$1,936.11
Sewer (w/Strm.Sew. & Lat.)	25	CCF	\$209.44	\$209.44	\$177.29	300	CCF		\$2,087.69	\$2,087.69	\$1,717.29
Storm Water (Rate/ERU)			\$9.50	\$9.50	\$9.50				\$330.00	\$330.00	\$330.00
Refuse (Rate/Service)			\$5.00	\$5.00	\$5.00				\$5.00	\$5.00	\$5.00
Sub-Other Services			\$441.71	\$441.71	\$362.71				\$4,869.30	\$4,869.30	\$3,988.40
Total Billing - All Services			\$1,400.80	\$1,421.43	\$1,242.81				\$91,419.62	\$93,830.44	\$81,306.88
Verification Totals->			\$1,400.80	\$1,421.43	\$1,242.81				\$91,419.62	\$93,830.44	\$81,306.88
				Cr.Mo to Pr.Mo	Cr.Yr to Pr.Yr					Cr.Mo to Pr.Mo	Cr.Yr to Pr.Yr
Dollar Chg.to Prior Periods				-\$20.63	\$157.99					-\$2,410.82	\$10,112.74
% Inc/Dec(-) to Prior Periods				-1.45%	12.71%					-2.57%	12.44%
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Cost/kWH - Electric	7,040	kWh	\$0.13623	\$0.13916	\$0.12501	866,108	kWh		\$0.09993	\$0.10271	\$0.08927
% Inc/Dec(-) to Prior Periods				-2.11%	8.98%					-2.71%	11.94%
Cost/CCF - Water	25	CCF	\$8.71080	\$8.71080	\$6.83680	300	CCF		\$8.15537	\$8.15537	\$6.45370
Cost/GALLONS - Water	18,701	GAL	\$0.01164	\$0.01164	\$0.00914	224,415	GAL		\$0.01090	\$0.01090	\$0.00863
% Inc/Dec(-) to Prior Periods				0.00%	27.41%					0.00%	26.37%
Cost/CCF - Sewer	25	CCF	\$8.37760	\$8.37760	\$7.09160	300	CCF		\$6.95897	\$6.95897	\$5.72430
Cost/GALLON - Sewer	18,701	GAL	\$0.01120	\$0.01120	\$0.00948	224,415	GAL		\$0.00930	\$0.00930	\$0.00765
% Inc/Dec(-) to Prior Periods				0.00%	18.13%					0.00%	21.57%
(Listed Accounts Assume SAME USA											
(One "1" Unit CCF of Water = "Hundre											

BILLING SUMMARY ANISUMPTION for BILLING CYCLE -August, 2022										
2022 - AUGUST BILLING WITH JUNE 28 BILLING PERIOD AND JULY 2022 CITY CONSUMPTION AND BILLING DATA										
	Jul-22	Jul-22	Jul-22		Cost / kWh	Prior 12 Mo	Aug-21	Aug-21	Aug-21	Cost / kWh
Class and/or Schedule	# of Bills	(kWh Usage)	Billed	Billed kVa of Demand	For Month	Average	# of Bills	(kWh Usage)	Billed	For Month
Residential (Dom-In)	3,438	2,249,960	\$299,713.95		\$0.1332	\$0.1215	3,426	3,131,558	\$364,662.78	\$0.1164
Residential (Dom-In) w/Ecosmart	5	3,382	\$449.50		\$0.1329	\$0.1230	6	4,564	\$537.52	\$0.1178
Residential (Dom-In - All Electric)	648	408,532	\$54,562.63		\$0.1336	\$0.1208	629	488,463	\$57,449.46	\$0.1176
Res. (Dom-In - All Elec.) w/Ecosmart	1	749	\$98.91		\$0.1321	\$0.1216	1	958	\$111.27	\$0.1161
Total Residential (Domestic)	4,092	2,662,623	\$354,824.99	0	\$0.1333	\$0.1214	4,062	3,625,543	\$422,761.03	\$0.1166
Residential (Rural-Out)	809	733,834	\$102,567.59	0	\$0.1398	\$0.1280	807	878,038	\$108,677.84	\$0.1238
Residential (Rural-Out) w/Ecosmart	4	3,696	\$515.81	0	\$0.1396	\$0.1304	4	3,675	\$461.14	\$0.1255
Residential (Rural-Out - All Electric)	359	340,203	\$47,390.26	0	\$0.1393	\$0.1266	358	425,900	\$52,380.94	\$0.1230
Res. (Rural-Out - All Electric) w/Ecosmart	2	1,452	\$206.91	0	\$0.1425	\$0.1287	2	1,424	\$183.19	\$0.1286
Residential (Rural-Out w/Dmd)	15	15,053	\$2,086.95	171	\$0.1386	\$0.1231	15	12,798	\$1,616.10	\$0.1263
Residential (Rural-Out - All Electric w/Dmd)	8	6,944	\$973.93	51	\$0.1403	\$0.1282	9	8,570	\$1,071.78	\$0.1251
Total Residential (Rural)	1,197	1,101,182	\$153,741.45	222	\$0.1396	\$0.1274	1,195	1,330,405	\$164,390.99	\$0.1236
Commercial (1 Ph-In - No Dmd)	80	37,789	\$6,322.69	0	\$0.1673	\$0.1558	77	38,067	\$5,788.99	\$0.1521
Commercial (1 Ph-Out - No Dmd)	51	9,071	\$1,899.47	0	\$0.2094	\$0.1878	50	9,350	\$1,794.82	\$0.1920
Total Commercial (1 Ph) No Dmd	131	46,860	\$8,222.16	0	\$0.1755	\$0.1627	127	47,417	\$7,583.81	\$0.1599
Commercial (1 Ph-In - w/Demand)	263	270,155	\$45,378.36	1925	\$0.1680	\$0.1483	259	326,091	\$47,145.09	\$0.1446
Commercial (1 Ph-Out - w/Demand)	24	43,013	\$6,467.00	190	\$0.1503	\$0.1381	24	39,949	\$5,394.88	\$0.1350
Total Commercial (1 Ph) w/Demand	287	313,168	\$51,845.36	2,115	\$0.1656	\$0.1471	283	366,040	\$52,539.97	\$0.1435
Commercial (3 Ph-Out - No Dmd)	2	80	\$47.35	11	\$0.5919	\$0.1482	2	40	\$41.11	\$1.0278
Total Commercial (3 Ph) No Dmd	2	80	\$47.35	11	\$0.5919	\$0.1482	2	40	\$41.11	\$1.0278
Commercial (3 Ph-In - w/Demand)	221	1,707,063	\$243,057.13	6568	\$0.1424	\$0.1299	218	1,976,716	\$249,394.85	\$0.1262
Commercial (3 Ph-Out - w/Demand)	36	247,617	\$35,893.72	1128	\$0.1450	\$0.1314	37	261,535	\$34,380.84	\$0.1315
Commercial (3 Ph-Out - w/Dmd.&Sub-St.)	3	127,640	\$16,816.73	466	\$0.1318	\$0.1234	3	80,680	\$9,802.42	\$0.1215
Commercial (3 Ph-In - w/Demand, No Tax)	1	1,840	\$343.70	23	\$0.1868	\$0.1267	1	6,280	\$850.31	\$0.1354
Commercial (3 Ph-In - w/Dmd.&Sub-St.C)	1	133,440	\$17,038.06	341	\$0.1277	\$0.1173	1	141,600	\$16,154.73	\$0.1141
Total Commercial (3 Ph) w/Demand	262	2,217,600	\$313,149.34	8,526	\$0.1412	\$0.1291	260	2,466,811	\$310,583.15	\$0.1259
Large Power (In - w/Dmd & Rct)	14	1,999,569	\$228,072.04	4336	\$0.1141	\$0.1020	14	1,951,285	\$197,936.99	\$0.1014
Large Power (In - w/Dmd & Rct, w/SbCr)	2	763,301	\$85,040.80	1666	\$0.1114	\$0.0987	2	803,687	\$74,606.05	\$0.0928
Large Power (Out - w/Dmd & Rct, w/SbCr)	1	205,897	\$25,441.16	543	\$0.1236	\$0.1148	1	240,146	\$27,868.53	\$0.1160
Large Power (In - w/Dmd & Rct, w/SbCr)	2	57,722	\$15,130.12	606	\$0.2621	\$0.1288	2	82,660	\$15,174.53	\$0.1835
Total Large Power	19	3,026,489	\$353,683.92	7,151	\$0.1169	\$0.1028	19	3,077,798	\$315,586.10	\$0.1025
Industrial (In - w/Dmd & Rct, w/SbCr)	1	796,040	\$83,301.23	1539	\$0.1046	\$0.0956	1	790,870	\$72,402.01	\$0.0915
Industrial (In - w/Dmd & Rct, No/SbCr)	1	1,011,239	\$101,668.59	1664	\$0.1005	\$0.0930	1	904,926	\$82,267.30	\$0.0909
Total Industrial	2	1,807,279	\$184,969.82	3,203	\$0.1023	\$0.0942	2	1,695,796	\$154,669.31	\$0.0912
Interdepartmental (In - No Dmd)	9	23,498	\$3,423.53	106	\$0.1457	\$0.1288	9	26,545	\$3,543.53	\$0.1335
Interdepartmental (Out - w/Dmd)	2	976	\$162.59	0	\$0.1666	\$0.1621	2	767	\$122.09	\$0.1592
Interdepartmental (In - w/Dmd)	26	20,950	\$3,286.85	0	\$0.1569	\$0.1397	27	21,646	\$3,091.40	\$0.1428
Interdepartmental (3Ph-In - w/Dmd)	12	145,376	\$20,782.88	687	\$0.1430	\$0.1273	11	156,577	\$19,216.88	\$0.1227
Interdepartmental (Street Lights)	6	30,685	\$2,963.94	0	\$0.0966	\$0.0965	6	30,685	\$2,967.81	\$0.0967
Interdepartmental (Traffic Signals)	8	1,225	\$113.25	0	\$0.0924	\$0.0925	8	1,164	\$107.63	\$0.0925
Generators (JV2 Power Cost Only)	1	14,006	\$1,080.42	29	\$0.0771	\$0.0000	1	10,541	\$293.25	\$0.0278
Generators (JV5 Power Cost Only)	0	0	\$0.00	0	\$0.0000	\$0.0000	0	0	\$0.00	\$0.0000
Total Interdepartmental	64	236,716	\$31,813.46	822	\$0.1344	\$0.1222	64	247,925	\$29,342.59	\$0.1184
SUB-TOTAL CONSUMPTION & DEMAND	6,056	11,411,997	\$1,452,297.85	22,050	\$0.1273	\$0.1157	6,014	12,857,775	\$1,457,498.06	\$0.1134
Street Lights (In)	13	0	\$13.76	0	\$0.0000	\$0.0000	13	0	\$13.75	\$0.0000
Street Lights (Out)	2	0	\$1.92	0	\$0.0000	\$0.0000	2	0	\$1.91	\$0.0000
Total Street Light Only	15	0	\$15.68	0	\$0.0000	\$0.0000	15	0	\$15.66	\$0.0000
TOTAL CONSUMPTION & DEMAND	6,071	11,411,997	\$1,452,313.53	22,050	\$0.1273	\$0.1157	6,029	12,857,775	\$1,457,513.72	\$0.1134

BILLING SUMMARY AND																
2022 - AUGUST BILLING WITH JUNE 21																
Class and/or Schedule	Sep-21 # of Bills	Sep-21 (kWh Usage)	Sep-21 Billed	Cost / kWh For Month	Oct-21 # of Bills	Oct-21 (kWh Usage)	Oct-21 Billed	Cost / kWh For Month	Nov-21 # of Bills	Nov-21 (kWh Usage)	Nov-21 Billed	Cost / kWh For Month	Dec-21 # of Bills	Dec-21 (kWh Usage)	Dec-21 Billed	Cost / kWh For Month
Residential (Dom-In)	3,435	3,202,763	\$362,224.37	\$0.1131	3,440	3,426,619	\$379,578.88	\$0.1108	3,428	2,082,463	\$244,434.73	\$0.1174	3,427	1,869,765	\$231,933.25	\$0.1240
Residential (Dom-In) w/Ecosmart	6	5,560	\$629.08	\$0.1131	6	4,969	\$556.55	\$0.1120	6	2,745	\$331.08	\$0.1206	6	2,289	\$294.75	\$0.1288
Residential (Dom-In - All Electric)	623	490,182	\$56,024.43	\$0.1143	638	520,028	\$58,304.14	\$0.1121	639	358,136	\$42,334.53	\$0.1182	654	421,249	\$51,540.91	\$0.1224
Res. (Dom-In - All Elec.) w/Ecosmart	1	860	\$97.74	\$0.1137	1	1,131	\$124.48	\$0.1101	1	630	\$73.72	\$0.1170	1	625	\$76.67	\$0.1227
Total Residential (Domestic)	4,065	3,699,365	\$418,975.62	\$0.1133	4,085	3,952,747	\$438,564.05	\$0.1110	4,074	2,443,974	\$287,174.06	\$0.1175	4,088	2,293,928	\$283,845.58	\$0.1237
Residential (Rural-Out)	811	929,322	\$111,598.22	\$0.1201	811	957,340	\$112,889.19	\$0.1179	811	661,597	\$82,346.83	\$0.1245	808	692,541	\$89,633.45	\$0.1294
Residential (Rural-Out) w/Ecosmart	4	4,055	\$491.58	\$0.1212	4	4,271	\$507.44	\$0.1188	4	2,808	\$355.05	\$0.1264	4	2,934	\$385.49	\$0.1314
Residential (Rural-Out - All Electric)	358	443,696	\$52,989.86	\$0.1194	357	453,829	\$53,242.02	\$0.1173	357	324,351	\$39,965.13	\$0.1232	358	364,023	\$46,444.38	\$0.1276
Res. (Rural-Out - All Electric) w/Ecosmart	2	1,448	\$181.25	\$0.1252	2	1,594	\$194.47	\$0.1220	2	1,094	\$142.74	\$0.1305	2	1,871	\$240.31	\$0.1284
Residential (Rural-Out w/Dmd)	15	13,327	\$1,632.48	\$0.1225	15	18,047	\$2,122.45	\$0.1176	15	13,468	\$1,659.83	\$0.1232	15	65,202	\$7,796.69	\$0.1196
Residential (Rural-Out - All Electric w/Dm)	9	8,092	\$990.83	\$0.1224	9	8,649	\$1,036.14	\$0.1198	9	6,958	\$870.52	\$0.1251	9	10,857	\$1,367.21	\$0.1259
Total Residential (Rural)	1,199	1,399,940	\$167,884.22	\$0.1199	1,198	1,443,730	\$169,991.71	\$0.1177	1,198	1,010,276	\$125,340.10	\$0.1241	1,196	1,137,428	\$145,867.53	\$0.1282
Commercial (1 Ph-In - No Dmd)	80	37,671	\$5,653.39	\$0.1501	82	40,309	\$5,928.37	\$0.1471	81	32,942	\$5,104.41	\$0.1550	79	34,894	\$5,518.13	\$0.1581
Commercial (1 Ph-Out - No Dmd)	50	12,727	\$2,184.53	\$0.1716	50	9,829	\$1,805.45	\$0.1837	50	9,111	\$1,742.52	\$0.1913	50	11,215	\$2,068.29	\$0.1844
Total Commercial (1 Ph) No Dmd	130	50,398	\$7,837.92	\$0.1555	132	50,138	\$7,733.82	\$0.1543	131	42,053	\$6,846.93	\$0.1628	129	46,109	\$7,586.42	\$0.1645
Commercial (1 Ph-In - w/Demand)	260	406,475	\$54,614.57	\$0.1344	262	417,912	\$56,178.73	\$0.1344	259	296,064	\$42,857.99	\$0.1441	258	255,321	\$39,279.78	\$0.1538
Commercial (1 Ph-Out - w/Demand)	24	46,180	\$5,977.45	\$0.1294	24	49,953	\$6,359.28	\$0.1273	24	41,944	\$5,519.26	\$0.1316	24	38,177	\$5,312.26	\$0.1391
Total Commercial (1 Ph) w/Demand	284	452,655	\$60,592.02	\$0.1339	286	467,865	\$62,538.01	\$0.1337	283	338,008	\$48,377.25	\$0.1425	282	293,498	\$44,592.04	\$0.1519
Commercial (3 Ph-Out - No Dmd)	2	40	\$40.98	\$1.0245	2	80	\$45.80	\$0.5725	2	40	\$41.02	\$1.0255	2	40	\$41.24	\$1.0310
Total Commercial (3 Ph) No Dmd	2	40	\$40.98	\$1.0245	2	80	\$45.80	\$0.5725	2	40	\$41.02	\$1.0255	2	40	\$41.24	\$1.0310
Commercial (3 Ph-In - w/Demand)	218	2,130,527	\$260,195.30	\$0.1221	218	2,293,385	\$276,265.22	\$0.1205	218	2,063,203	\$255,918.30	\$0.1240	217	1,721,749	\$225,471.25	\$0.1310
Commercial (3 Ph-Out - w/Demand)	37	328,934	\$40,447.25	\$0.1230	37	321,245	\$39,639.12	\$0.1234	37	315,992	\$40,513.47	\$0.1282	37	433,544	\$55,170.21	\$0.1273
Commercial (3 Ph-Out - w/Dmd.&Sub-St.	3	92,080	\$10,764.23	\$0.1169	3	100,560	\$11,534.40	\$0.1147	3	89,200	\$10,559.76	\$0.1184	3	82,560	\$10,124.48	\$0.1226
Commercial (3 Ph-In - w/Demand, No Tar	1	7,960	\$950.35	\$0.1194	1	9,360	\$1,063.36	\$0.1136	1	7,960	\$943.24	\$0.1185	1	2,560	\$396.92	\$0.1550
Commercial (3 Ph-In - w/Dmd.&Sub-St.C	1	156,000	\$17,173.72	\$0.1101	1	151,680	\$16,451.29	\$0.1085	1	147,360	\$16,373.03	\$0.1111	1	143,040	\$16,632.64	\$0.1163
Total Commercial (3 Ph) w/Demand	260	2,715,501	\$329,530.85	\$0.1214	260	2,876,230	\$344,953.39	\$0.1199	260	2,623,715	\$324,307.80	\$0.1236	259	2,383,453	\$307,795.48	\$0.1291
Large Power (In - w/Dmd & Rct)	14	2,212,511	\$205,795.02	\$0.0930	14	2,142,186	\$197,491.72	\$0.0922	14	2,079,714	\$196,908.13	\$0.0947	14	1,985,158	\$196,046.77	\$0.0988
Large Power (In - w/Dmd & Rct, w/SbCr)	2	892,886	\$83,088.25	\$0.0931	2	914,654	\$83,112.77	\$0.0909	2	905,112	\$81,990.05	\$0.0906	2	964,979	\$92,554.03	\$0.0959
Large Power (Out - w/Dmd & Rct, w/SbCr)	1	208,862	\$23,337.71	\$0.1117	1	166,078	\$20,122.90	\$0.1219	1	235,381	\$27,414.46	\$0.1165	1	285,706	\$32,979.35	\$0.1154
Large Power (In - w/Dmd & Rct, w/SbCr)	2	82,790	\$14,033.06	\$0.1695	2	82,790	\$13,882.84	\$0.1677	2	93,586	\$12,165.67	\$0.1300	2	100,341	\$9,503.46	\$0.0947
Total Large Power	19	3,397,049	\$326,254.04	\$0.0960	19	3,304,708	\$314,610.23	\$0.0952	19	3,313,793	\$318,478.31	\$0.0961	19	3,336,184	\$331,083.61	\$0.0992
Industrial (In - w/Dmd & Rct, w/SbCr)	1	880,030	\$76,240.76	\$0.0866	1	804,332	\$68,763.45	\$0.0855	1	775,369	\$69,908.02	\$0.0902	1	828,290	\$77,805.37	\$0.0939
Industrial (In - w/Dmd & Rct, No/SbCr)	1	1,018,394	\$88,421.95	\$0.0868	1	1,026,016	\$87,158.85	\$0.0849	1	974,509	\$85,414.74	\$0.0876	1	1,124,441	\$101,900.31	\$0.0906
Total Industrial	2	1,898,424	\$164,662.71	\$0.0867	2	1,830,348	\$155,922.30	\$0.0852	2	1,749,878	\$155,322.76	\$0.0888	2	1,952,731	\$179,705.68	\$0.0920
Interdepartmental (In - No Dmd)	9	27,190	\$3,521.88	\$0.1295	9	26,538	\$3,240.46	\$0.1221	9	21,368	\$2,740.35	\$0.1282	9	22,155	\$2,878.26	\$0.1299
Interdepartmental (Out - w/Dmd)	2	806	\$124.47	\$0.1544	2	891	\$133.35	\$0.1497	2	816	\$126.40	\$0.1549	2	808	\$129.87	\$0.1607
Interdepartmental (In - w/Dmd)	27	25,153	\$3,457.27	\$0.1374	27	24,205	\$3,293.02	\$0.1360	27	19,621	\$2,786.31	\$0.1420	27	46,153	\$6,360.34	\$0.1378
Interdepartmental (3Ph-In - w/Dmd)	11	173,801	\$21,622.51	\$0.1244	11	177,083	\$20,603.61	\$0.1164	11	146,600	\$18,532.87	\$0.1264	11	170,036	\$22,206.29	\$0.1306
Interdepartmental (Street Lights)	6	30,685	\$2,951.66	\$0.0962	6	30,685	\$2,967.81	\$0.0967	6	30,685	\$2,950.80	\$0.0962	6	30,685	\$2,967.93	\$0.0967
Interdepartmental (Traffic Signals)	8	1,251	\$115.69	\$0.0925	8	1,263	\$116.77	\$0.0925	8	1,205	\$111.43	\$0.0925	8	1,322	\$122.23	\$0.0925
Generators (JV2 Power Cost Only)	1	10,595	\$302.28	\$0.0285	1	10,959	\$485.26	\$0.0443	1	14,654	\$560.66	\$0.0383	1	20,335	\$1,191.22	\$0.0586
Generators (JV5 Power Cost Only)	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000
Total Interdepartmental	64	269,481	\$32,095.76	\$0.1191	64	271,624	\$30,840.28	\$0.1135	64	234,949	\$27,808.82	\$0.1184	64	291,494	\$35,856.14	\$0.1230
SUB-TOTAL CONSUMPTION & DEMAND	6,025	13,882,853	\$1,507,874.12	\$0.1086	6,048	14,197,470	\$1,525,199.59	\$0.1074	6,033	11,756,686	\$1,293,497.05	\$0.1100	6,041	11,734,865	\$1,336,373.72	\$0.1139
Street Lights (In)	13	0	\$13.75	\$0.0000	13	0	\$13.75	\$0.0000	13	0	\$13.76	\$0.0000	13	0	\$13.91	\$0.0000
Street Lights (Out)	2	0	\$1.92	\$0.0000	2	0	\$1.91	\$0.0000	2	0	\$1.91	\$0.0000	2	0	\$1.91	\$0.0000
Total Street Light Only	15	0	\$15.67	\$0.0000	15	0	\$15.66	\$0.0000	15	0	\$15.67	\$0.0000	15	0	\$15.82	\$0.0000
TOTAL CONSUMPTION & DEMAND	6,040	13,882,853	\$1,507,889.79	\$0.1086	6,063	14,197,470	\$1,525,215.25	\$0.1074	6,048	11,756,686	\$1,293,512.72	\$0.1100	6,056	11,734,865	\$1,336,389.54	\$0.1139

BILLING SUMMARY AND																
2022 - AUGUST BILLING WITH JUNE 21																
	Jan-22	Jan-22	Jan-22	Cost / kWh	Feb-22	Feb-22	Feb-22	Cost / kWh	Mar-22	Mar-22	Mar-22	Cost / kWh	Apr-22	Apr-22	Apr-22	Cost / kWh
Class and/or Schedule	# of Bills	Jan-22 (kWh Usage)	Jan-22 Billed	For Month	# of Bills	Feb-22 (kWh Usage)	Feb-22 Billed	For Month	# of Bills	Mar-22 (kWh Usage)	Mar-22 Billed	For Month	# of Bills	Apr-22 (kWh Usage)	Apr-22 Billed	For Month
Residential (Dom-In)	3,433	2,092,664	\$269,470.14	\$0.1288	3,426	2,370,678	\$295,326.35	\$0.1246	3,437	2,404,340	\$290,833.61	\$0.1210	3,433	2,149,232	\$261,077.25	\$0.1215
Residential (Dom-In) w/Ecosmart	5	2,264	\$299.25	\$0.1322	5	2,352	\$302.61	\$0.1287	5	2,265	\$284.58	\$0.1256	5	2,076	\$262.31	\$0.1264
Residential (Dom-In - All Electric)	653	589,827	\$74,056.45	\$0.1256	653	721,055	\$87,473.42	\$0.1213	647	861,011	\$100,615.41	\$0.1169	653	697,240	\$81,920.90	\$0.1175
Res. (Dom-In - All Elec.) w/Ecosmart	1	581	\$75.10	\$0.1293	1	478	\$61.40	\$0.1285	1	561	\$69.06	\$0.1231	1	546	\$67.10	\$0.1229
Total Residential (Domestic)	4,092	2,685,336	\$343,900.94	\$0.1281	4,085	3,094,563	\$383,163.78	\$0.1238	4,090	3,268,177	\$391,802.66	\$0.1199	4,092	2,849,094	\$343,327.56	\$0.1205
Residential (Rural-Out)	806	764,980	\$102,627.67	\$0.1342	806	909,599	\$117,737.46	\$0.1294	806	972,758	\$121,916.22	\$0.1253	803	791,084	\$100,247.66	\$0.1267
Residential (Rural-Out) w/Ecosmart	4	2,736	\$378.26	\$0.1383	4	3,286	\$436.32	\$0.1328	4	3,460	\$445.19	\$0.1287	4	2,581	\$340.94	\$0.1321
Residential (Rural-Out - All Electric)	358	422,365	\$55,785.97	\$0.1321	359	519,789	\$66,253.24	\$0.1275	360	584,553	\$71,997.58	\$0.1232	358	452,648	\$56,334.15	\$0.1245
Res. (Rural-Out - All Electric) w/Ecosmart	2	2,416	\$318.68	\$0.1319	2	2,912	\$371.23	\$0.1275	2	3,404	\$418.62	\$0.1230	2	2,789	\$345.19	\$0.1238
Residential (Rural-Out w/Dmd)	15	106,601	\$13,279.09	\$0.1246	15	130,055	\$15,755.67	\$0.1211	15	43,783	\$5,263.42	\$0.1202	15	30,180	\$3,661.73	\$0.1213
Residential (Rural-Out - All Electric w/Dm)	9	18,961	\$2,430.13	\$0.1282	9	10,711	\$1,381.26	\$0.1290	9	8,818	\$1,122.58	\$0.1273	8	7,467	\$950.67	\$0.1273
Total Residential (Rural)	1,194	1,318,059	\$174,819.80	\$0.1326	1,195	1,576,352	\$201,935.18	\$0.1281	1,196	1,616,776	\$201,163.61	\$0.1244	1,190	1,286,749	\$161,880.34	\$0.1258
Commercial (1 Ph-In - No Dmd)	79	38,830	\$6,259.94	\$0.1612	78	41,787	\$6,525.38	\$0.1562	78	48,977	\$7,311.83	\$0.1493	78	43,688	\$6,602.63	\$0.1511
Commercial (1 Ph-Out - No Dmd)	50	12,148	\$2,261.20	\$0.1861	50	12,801	\$2,312.59	\$0.1807	50	14,091	\$2,435.58	\$0.1728	50	9,982	\$1,895.58	\$0.1899
Total Commercial (1 Ph) No Dmd	129	50,978	\$8,521.14	\$0.1672	128	54,588	\$8,837.97	\$0.1619	128	63,068	\$9,747.41	\$0.1546	128	53,670	\$8,498.21	\$0.1583
Commercial (1 Ph-In - w/Demand)	263	250,009	\$39,354.03	\$0.1574	262	269,652	\$40,916.05	\$0.1517	261	302,351	\$43,988.27	\$0.1455	263	274,144	\$40,625.98	\$0.1482
Commercial (1 Ph-Out - w/Demand)	24	42,581	\$6,180.88	\$0.1452	24	40,796	\$5,755.90	\$0.1411	24	44,374	\$5,977.07	\$0.1347	24	40,663	\$5,574.18	\$0.1371
Total Commercial (1 Ph) w/Demand	287	292,590	\$45,534.91	\$0.1556	286	310,448	\$46,671.95	\$0.1503	285	346,725	\$49,965.34	\$0.1441	287	314,807	\$46,200.16	\$0.1468
Commercial (3 Ph-Out - No Dmd)	2	11,840	\$1,651.26	\$0.1395	2	16,120	\$2,185.83	\$0.1356	2	1,840	\$275.57	\$0.1498	2	600	\$113.82	\$0.1897
Total Commercial (3 Ph) No Dmd	2	11,840	\$1,651.26	\$0.1395	2	16,120	\$2,185.83	\$0.1356	2	1,840	\$275.57	\$0.1498	2	600	\$113.82	\$0.1897
Commercial (3 Ph-In - w/Demand)	218	1,607,951	\$219,724.02	\$0.1366	218	1,660,780	\$220,105.95	\$0.1325	218	1,762,076	\$225,778.00	\$0.1281	218	1,644,391	\$211,650.33	\$0.1287
Commercial (3 Ph-Out - w/Demand)	37	404,346	\$54,006.94	\$0.1336	37	289,726	\$38,769.83	\$0.1338	36	328,071	\$42,282.49	\$0.1289	36	277,135	\$35,930.33	\$0.1296
Commercial (3 Ph-Out - w/Dmd.&Sub-St.)	3	80,000	\$10,309.19	\$0.1289	3	95,760	\$11,961.34	\$0.1249	3	113,520	\$13,653.89	\$0.1203	3	106,880	\$12,986.52	\$0.1215
Commercial (3 Ph-In - w/Demand, No Td)	1	1,240	\$178.35	\$0.1438	1	1,320	\$181.10	\$0.1372	1	1,360	\$180.58	\$0.1328	1	1,360	\$179.72	\$0.1321
Commercial (3 Ph-In - w/Dmd.&Sub-St.C)	1	136,320	\$16,651.13	\$0.1221	1	121,440	\$14,637.81	\$0.1205	1	121,920	\$14,265.49	\$0.1170	1	105,600	\$12,435.41	\$0.1178
Total Commercial (3 Ph) w/Demand	260	2,229,857	\$300,869.63	\$0.1349	260	2,169,026	\$285,656.03	\$0.1317	259	2,326,947	\$296,160.45	\$0.1273	259	2,135,366	\$273,182.37	\$0.1279
Large Power (In - w/Dmd & Rct)	14	1,817,810	\$194,183.93	\$0.1068	14	1,692,314	\$182,005.92	\$0.1075	14	1,957,121	\$191,916.55	\$0.0981	14	1,777,337	\$181,549.78	\$0.1021
Large Power (In - w/Dmd & Rct, w/SbCr)	2	928,978	\$95,194.13	\$0.1025	2	859,065	\$86,069.60	\$0.1002	2	930,878	\$91,181.64	\$0.0980	2	742,000	\$74,554.88	\$0.1005
Large Power (Out - w/Dmd & Rct, w/SbCr)	1	254,207	\$30,929.19	\$0.1217	1	241,403	\$27,510.53	\$0.1140	1	253,801	\$27,258.51	\$0.1074	1	236,376	\$25,171.28	\$0.1065
Large Power (In - w/Dmd & Rct, w/SbCr)	2	91,430	\$9,498.37	\$0.1039	2	150,230	\$5,848.96	\$0.0389	2	73,370	\$6,538.16	\$0.0891	2	90,243	\$10,998.18	\$0.1219
Total Large Power	19	3,092,425	\$329,805.62	\$0.1066	19	2,943,012	\$301,435.01	\$0.1024	19	3,215,170	\$316,894.86	\$0.0986	19	2,845,956	\$292,274.12	\$0.1027
Industrial (In - w/Dmd & Rct, w/SbCr)	1	774,707	\$79,348.60	\$0.1024	1	704,007	\$71,887.25	\$0.1021	1	911,662	\$85,067.15	\$0.0933	1	748,422	\$72,166.79	\$0.0964
Industrial (In - w/Dmd & Rct, No/SbCr)	1	1,029,537	\$101,097.69	\$0.0982	1	944,746	\$90,674.81	\$0.0960	1	1,034,091	\$92,499.48	\$0.0895	1	868,416	\$80,783.52	\$0.0930
Total Industrial	2	1,804,244	\$180,446.29	\$0.1000	2	1,648,753	\$162,562.06	\$0.0986	2	1,945,753	\$177,566.63	\$0.0913	2	1,616,838	\$152,950.31	\$0.0946
Interdepartmental (In - No Dmd)	10	28,201	\$3,752.72	\$0.1331	9	40,165	\$5,012.69	\$0.1248	9	45,168	\$5,386.87	\$0.1193	9	35,804	\$4,350.94	\$0.1215
Interdepartmental (Out - w/Dmd)	2	696	\$119.31	\$0.1714	2	733	\$122.15	\$0.1666	2	763	\$123.50	\$0.1619	2	680	\$109.75	\$0.1663
Interdepartmental (In - w/Dmd)	28	55,273	\$7,885.43	\$0.1427	28	74,754	\$10,313.92	\$0.1380	28	87,712	\$11,733.07	\$0.1338	27	54,317	\$7,361.22	\$0.1355
Interdepartmental (3Ph-In - w/Dmd)	12	182,778	\$23,879.10	\$0.1306	12	209,220	\$26,131.56	\$0.1249	12	229,937	\$27,788.50	\$0.1209	12	180,122	\$22,610.67	\$0.1255
Interdepartmental (Street Lights)	6	30,685	\$2,961.57	\$0.0965	6	30,685	\$2,963.94	\$0.0966	6	30,685	\$2,964.71	\$0.0966	6	30,685	\$2,961.57	\$0.0965
Interdepartmental (Traffic Signals)	8	1,131	\$104.59	\$0.0925	8	1,249	\$115.51	\$0.0925	8	1,281	\$118.44	\$0.0925	8	1,114	\$103.02	\$0.0925
Generators (JV2 Power Cost Only)	1	12,411	\$768.99	\$0.0620	1	21,411	\$762.66	\$0.0356	1	25,992	\$888.15	\$0.0342	1	18,816	\$695.06	\$0.0369
Generators (JV5 Power Cost Only)	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000
Total Interdepartmental	67	311,175	\$39,471.71	\$0.1268	66	378,217	\$45,422.43	\$0.1201	66	421,538	\$49,003.24	\$0.1162	65	321,518	\$38,192.23	\$0.1188
SUB-TOTAL CONSUMPTION & DEMAND	6,052	11,796,504	\$1,425,021.30	\$0.1208	6,043	12,191,079	\$1,437,870.24	\$0.1179	6,047	13,205,994	\$1,492,579.77	\$0.1130	6,044	11,424,598	\$1,316,619.12	\$0.1152
Street Lights (In)	13	0	\$13.76	\$0.0000	13	0	\$13.75	\$0.0000	14	0	\$14.29	\$0.0000	13	0	\$13.76	\$0.0000
Street Lights (Out)	2	0	\$1.92	\$0.0000	2	0	\$1.91	\$0.0000	2	0	\$1.91	\$0.0000	2	0	\$1.91	\$0.0000
Total Street Light Only	15	0	\$15.68	\$0.0000	15	0	\$15.66	\$0.0000	16	0	\$16.20	\$0.0000	15	0	\$15.67	\$0.0000
TOTAL CONSUMPTION & DEMAND	6,067	11,796,504	\$1,425,036.98	\$0.1208	6,058	12,191,079	\$1,437,885.90	\$0.1179	6,063	13,205,994	\$1,492,595.97	\$0.1130	6,059	11,424,598	\$1,316,634.79	\$0.1152

BILLING SUMMARY AND

2022 - AUGUST BILLING WITH JUNE 2021

Class and/or Schedule	# of Bills	May-22 (kWh Usage)	May-22 Billed	Cost / kWh For Month	# of Bills	Jun-22 (kWh Usage)	Jun-22 Billed	Cost / kWh For Month	# of Bills	Jul-22 (kWh Usage)	Jul-22 Billed	TOTAL KWH USAGE PRIOR 12 MO	TOTAL BILLING PRIOR 12 MO	Avg.Cost Per kWh For Period	Avg.Num. of Bills For Period	Avg.Per.% of Bills For Period
Residential (Dom-In)	3,436	1,834,634	\$239,521.63	\$0.1306	3,433	1,808,656	\$238,049.09	\$0.1318	3,438	2,249,960	\$299,713.95	28,621,232	\$3,476,826.03	\$0.1215	3,433	56.6704%
Residential (Dom-In) w/Ecosmart	5	2,259	\$299.57	\$0.1326	5	2,551	\$337.14	\$0.1322	5	3,382	\$449.50	37,276	\$4,583.94	\$0.1230	5	0.0894%
Residential (Dom-In - All Electric)	655	527,792	\$66,908.18	\$0.1268	650	431,573	\$55,866.75	\$0.1294	648	408,532	\$54,562.63	6,515,088	\$787,057.21	\$0.1208	645	10.6511%
Res. Dom-In - All Elec. w/Ecosmart	1	442	\$58.75	\$0.1329	1	503	\$66.56	\$0.1323	1	749	\$98.91	8,064	\$980.76	\$0.1216	1	0.0165%
Total Residential (Domestic)	4,097	2,365,027	\$306,788.13	\$0.1297	4,089	2,241,283	\$294,319.54	\$0.1313	4,092	2,662,623	\$354,824.99	35,181,660	\$4,269,447.94	\$0.1214	4,084	67.4275%
Residential (Rural-Out)	804	720,415	\$97,386.42	\$0.1352	808	631,405	\$87,084.41	\$0.1379	809	733,834	\$102,567.59	9,642,913	\$1,234,712.96	\$0.1280	808	13.3311%
Residential (Rural-Out) w/Ecosmart	4	2,481	\$347.72	\$0.1402	4	2,343	\$333.14	\$0.1422	4	3,696	\$515.81	38,326	\$4,998.08	\$0.1304	4	0.0660%
Residential (Rural-Out - All Electric)	359	400,926	\$53,308.52	\$0.1330	359	332,487	\$45,190.01	\$0.1359	359	340,203	\$47,390.26	5,064,770	\$641,282.06	\$0.1266	358	5.9158%
Res. (Rural-Out - All Electric) w/Ecosmart	2	2,399	\$317.55	\$0.1324	2	1,813	\$246.83	\$0.1361	2	1,452	\$206.91	24,616	\$3,166.97	\$0.1287	2	0.0330%
Residential (Rural-Out w/Dmd)	15	24,852	\$3,227.32	\$0.1299	15	23,411	\$3,074.09	\$0.1313	15	15,053	\$2,086.95	496,777	\$61,175.82	\$0.1231	15	0.2476%
Residential (Rural-Out - All Electric w/Dmd)	8	6,841	\$928.51	\$0.1357	8	6,210	\$856.92	\$0.1380	8	6,944	\$973.93	109,078	\$13,980.48	\$0.1282	9	0.1431%
Total Residential (Rural)	1,192	1,157,914	\$155,516.04	\$0.1343	1,196	997,669	\$136,785.40	\$0.1371	1,197	1,101,182	\$153,741.45	15,376,480	\$1,959,316.37	\$0.1274	1,196	19.7367%
Commercial (1 Ph-In - No Dmd)	78	38,229	\$6,180.82	\$0.1617	79	36,648	\$6,016.00	\$0.1642	80	37,789	\$6,322.69	469,831	\$73,212.58	\$0.1558	79	1.3056%
Commercial (1 Ph-Out - No Dmd)	50	9,241	\$1,868.06	\$0.2021	51	8,619	\$1,804.19	\$0.2093	51	9,071	\$1,899.47	128,185	\$24,072.28	\$0.1878	50	0.8282%
Total Commercial (1 Ph) No Dmd	128	47,470	\$8,048.88	\$0.1696	130	45,267	\$7,820.19	\$0.1728	131	46,860	\$8,222.16	598,016	\$97,284.86	\$0.1627	129	2.1338%
Commercial (1 Ph-In - w/Demand)	264	282,496	\$43,577.76	\$0.1543	262	240,391	\$38,973.69	\$0.1621	263	270,155	\$45,378.36	3,591,061	\$532,690.30	\$0.1483	261	4.3144%
Commercial (1 Ph-Out - w/Demand)	24	43,043	\$6,169.53	\$0.1433	24	40,669	\$5,907.11	\$0.1452	24	43,013	\$6,467.00	511,342	\$70,594.80	\$0.1381	24	0.3962%
Total Commercial (1 Ph) w/Demand	288	325,539	\$49,747.29	\$0.1528	286	281,060	\$44,880.80	\$0.1597	287	313,168	\$51,845.36	4,102,403	\$603,285.10	\$0.1471	285	4.7106%
Commercial (3 Ph-Out - No Dmd)	2	120	\$52.46	\$0.4372	2	120	\$52.59	\$0.4383	2	80	\$47.35	30,960	\$4,589.03	\$0.1482	2	0.0330%
Total Commercial (3 Ph) No Dmd	2	120	\$52.46	\$0.4372	2	120	\$52.59	\$0.4383	2	80	\$47.35	30,960	\$4,589.03	\$0.1482	2	0.0330%
Commercial (3 Ph-In - w/Demand)	218	1,550,181	\$212,017.03	\$0.1368	222	1,580,830	\$219,923.61	\$0.1391	221	1,707,063	\$243,057.13	21,698,852	\$2,819,500.99	\$0.1299	219	3.6072%
Commercial (3 Ph-Out - w/Demand)	36	243,247	\$33,867.29	\$0.1392	36	219,875	\$31,534.61	\$0.1434	36	247,617	\$35,893.72	3,671,267	\$482,436.16	\$0.1314	37	0.6040%
Commercial (3 Ph-Out - w/Dmd.&Sub-St.)	3	129,720	\$16,389.96	\$0.1263	3	144,360	\$18,468.72	\$0.1279	3	127,640	\$16,816.73	1,242,960	\$153,371.62	\$0.1234	3	0.0495%
Commercial (3 Ph-In - w/Demand, No Tariff)	1	1,200	\$173.72	\$0.1448	1	1,360	\$193.85	\$0.1425	1	1,840	\$343.70	43,800	\$5,635.20	\$0.1287	1	0.0165%
Commercial (3 Ph-In - w/Dmd.&Sub-STC)	1	126,720	\$15,579.47	\$0.1229	1	120,000	\$14,879.25	\$0.1240	1	133,440	\$17,038.06	1,605,120	\$188,272.03	\$0.1173	1	0.0165%
Total Commercial (3 Ph) w/Demand	259	2,051,068	\$278,027.47	\$0.1356	263	2,066,425	\$285,000.04	\$0.1379	262	2,217,600	\$313,149.34	28,261,999	\$3,649,216.00	\$0.1291	260	4.2938%
Large Power (In - w/Dmd & Rct)	14	1,749,970	\$192,161.06	\$0.1098	14	1,938,738	\$212,555.38	\$0.1096	14	1,999,569	\$228,072.04	23,303,713	\$2,376,623.29	\$0.1020	14	0.2311%
Large Power (In - w/Dmd & Rct, w/SbCr)	2	739,657	\$78,271.01	\$0.1058	2	786,399	\$84,299.90	\$0.1072	2	763,301	\$85,040.60	10,231,596	\$1,009,562.91	\$0.0987	2	0.0330%
Large Power (Out - w/Dmd & Rct, w/SbCr)	1	223,885	\$25,192.07	\$0.1125	1	229,664	\$25,837.83	\$0.1125	1	205,897	\$25,441.16	2,780,406	\$319,063.52	\$0.1148	1	0.0165%
Large Power (In - w/Dmd & Rct, w/SbCr)	2	102,188	\$10,214.52	\$0.1000	2	78,460	\$16,879.00	\$0.2151	2	57,722	\$15,130.12	1,085,830	\$139,866.87	\$0.1288	2	0.0330%
Total Large Power	19	2,815,700	\$305,838.66	\$0.1086	19	3,033,261	\$339,572.11	\$0.1119	19	3,026,489	\$353,683.92	37,401,545	\$3,845,516.59	\$0.1028	19	0.3137%
Industrial (In - w/Dmd & Rct, w/SbCr)	1	804,792	\$82,342.20	\$0.1023	1	793,964	\$80,161.24	\$0.1010	1	796,040	\$83,301.23	9,612,485	\$919,394.07	\$0.0956	1	0.0165%
Industrial (In - w/Dmd & Rct, No/SbCr)	1	992,604	\$97,689.52	\$0.0984	1	992,761	\$98,609.45	\$0.0993	1	1,011,239	\$101,668.59	11,921,680	\$1,108,186.21	\$0.0930	1	0.0165%
Total Industrial	2	1,797,396	\$180,031.72	\$0.1002	2	1,786,725	\$178,770.69	\$0.1001	2	1,807,279	\$184,969.82	21,534,165	\$2,027,580.28	\$0.0942	2	0.0330%
Interdepartmental (In - No Dmd)	9	29,348	\$3,908.78	\$0.1332	9	23,402	\$3,223.79	\$0.1378	9	23,498	\$3,423.53	349,382	\$44,983.80	\$0.1288	9	0.1500%
Interdepartmental (Out - w/Dmd)	2	692	\$119.04	\$0.1720	2	878	\$145.49	\$0.1657	2	976	\$162.59	9,486	\$1,538.01	\$0.1621	2	0.0330%
Interdepartmental (In - w/Dmd)	27	47,744	\$6,866.48	\$0.1438	26	27,787	\$4,154.89	\$0.1495	26	20,950	\$3,286.85	505,315	\$70,590.20	\$0.1397	27	0.4471%
Interdepartmental (3Ph-In - w/Dmd)	12	191,038	\$25,070.61	\$0.1312	12	153,252	\$20,915.68	\$0.1365	12	145,376	\$20,782.88	2,115,820	\$269,361.16	\$0.1273	12	0.1912%
Interdepartmental (Street Lights)	6	30,685	\$2,950.80	\$0.0962	6	30,685	\$2,971.73	\$0.0968	6	30,685	\$2,963.94	368,220	\$35,544.27	\$0.0965	6	0.0991%
Interdepartmental (Traffic Signals)	8	1,182	\$109.31	\$0.0925	8	1,185	\$109.56	\$0.0925	8	1,225	\$113.25	14,572	\$1,347.43	\$0.0925	8	0.1321%
Generators (JV2 Power Cost Only)	1	19,242	\$3,303.66	\$0.1717	1	14,879	\$1,098.67	\$0.0738	1	14,006	\$1,080.42	193,841	\$11,430.28	\$0.0590	1	0.0165%
Generators (JV5 Power Cost Only)	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	0	\$0.00	\$0.0000	0	0.0000%
Total Interdepartmental	65	319,931	\$42,328.68	\$0.1323	64	252,068	\$32,619.81	\$0.1294	64	236,716	\$31,813.46	3,556,636	\$434,795.15	\$0.1222	65	1.0690%
SUB-TOTAL CONSUMPTION & DEMAND	6,052	10,880,165	\$1,326,379.33	\$0.1219	6,051	10,703,878	\$1,319,821.17	\$0.1233	6,056	11,411,997	\$1,452,297.85	146,043,864	\$16,891,031.32	\$0.1157	6,042	99.7510%
Street Lights (In)	13	0	\$13.76	\$0.0000	13	0	\$13.76	\$0.0000	13	0	\$13.76	0	\$165.76	\$0.0000	13	0.2160%
Street Lights (Out)	2	0	\$1.91	\$0.0000	2	0	\$1.92	\$0.0000	2	0	\$1.92	0	\$22.96	\$0.0000	2	0.0330%
Total Street Light Only	15	0	\$15.67	\$0.0000	15	0	\$15.68	\$0.0000	15	0	\$15.68	0	\$188.72	\$0.0000	15	0.2490%
TOTAL CONSUMPTION & DEMAND	6,067	10,880,165	\$1,326,395.00	\$0.1219	6,066	10,703,878	\$1,319,836.85	\$0.1233	6,071	11,411,997	\$1,452,313.53	146,043,864	\$16,891,220.04	\$0.1157	6,057	100.0000%

Peak Shaving via Community Energy Savings: Smart Thermostat Program Overview

Adam Ward
Erin Miller



American Municipal Power, Inc. (AMP)

Stronger Together: Serving Members Through Joint Action

- Not-for-profit wholesale power supplier and services provider for public power systems located in 9 states – DE, IN, KY, MD, MI, OH, PA, VA and WV
 - AMP members serve approximately 650,000 meters; nearly 3,500 megawatt peak
 - AMP has roughly 200 employees
- **Key strengths**
 - Member owned and governed
 - Board of Trustees made up of 21 member officials
 - Engaged members, Board and project participant committees
 - Strong financial ratings
 - Diverse energy portfolio
 - Industry partnerships (APPA, TEA, LPPC, SEPA, NHA, HCI)
 - Regulatory and legislative presence
 - Breadth of staff expertise
 - Value-add member programs and services
 - AMPT

AMP Mission, Vision and Values

Mission

To serve Members through public power joint action, innovative solutions, robust advocacy and cost-effective management of power supply and energy services.

Vision

To be public power's trusted leader in providing Members and their customers the highest-quality, forward-looking services and solutions.

Values

- **Integrity** - Be honest, fair, reliable, trustworthy and ethical.
- **Member Focus** - Provide dedicated and professional support to all members in the AMP footprint.
- **Partnership** - Collaborate to achieve common goals.
- **Employee Engagement** - Commit to a diverse, inclusive, safe and supportive work environment.
- **Stewardship** - Manage resources wisely and sustainably while striving for operational, financial and administrative excellence.
- **Innovation** - Energize and inspire new and creative approaches that increase value to Members and Employees.
- **Accountability** - Be responsive and communicate transparently and effectively.



Napoleon Power & Light

An AMP member since 1981

- Joel Mazur represents Napoleon on AMP's Board of Trustees and chairs the AMPT and Transmission/RTO committees. Joel also serves on several additional committees including the Focus Forward Advisory Council.
- Participates in AMP programs:
 - EcoSmart Choice®
 - Efficiency Smart®
 - Key Accounts
 - Training & Safety Programs
 - Mutual Aid
- Participates in a number of AMP generation projects
- Designated by the American Public Power Association (APPA) as a
 - Smart Energy Provider
 - Reliable Public Power Provider (RP3) Platinum Level
- Received multiple safety and awards of excellence from APPA and AMP

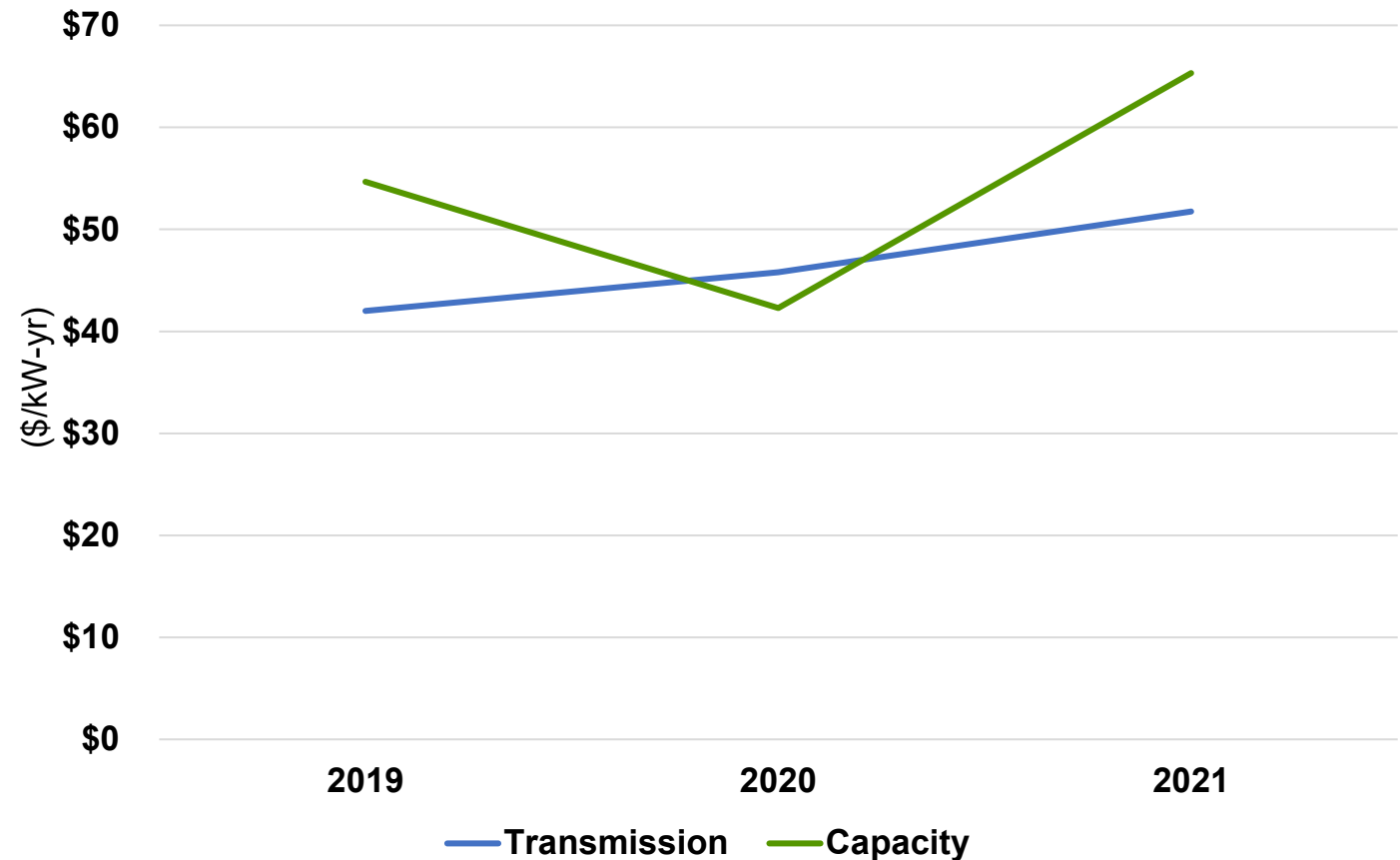
The challenge

Capacity charges have increased on average 19.7%

Transmission has increased on average 25%

Capacity and Transmission Costs

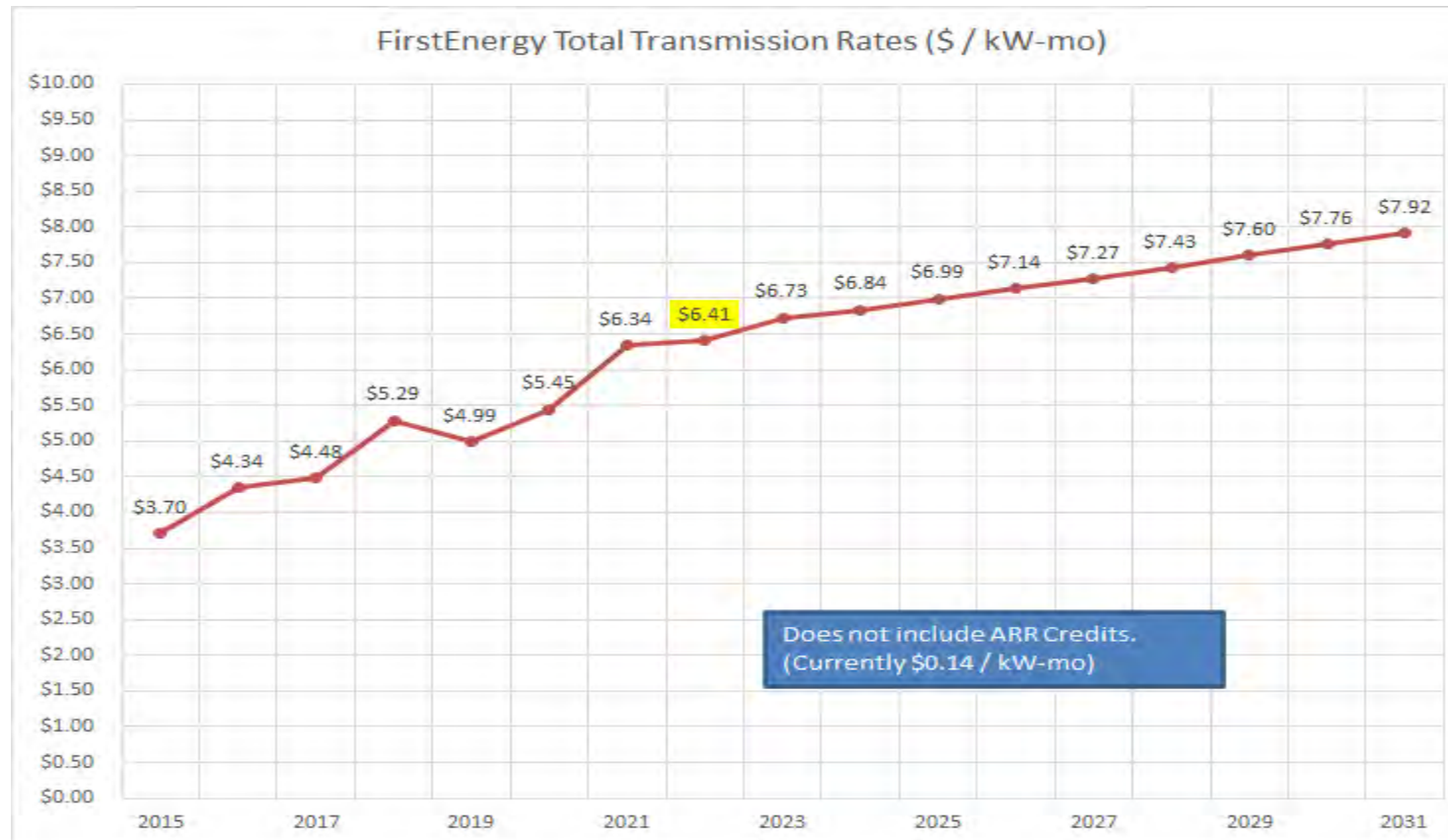
(Average between 2019 – 2021)



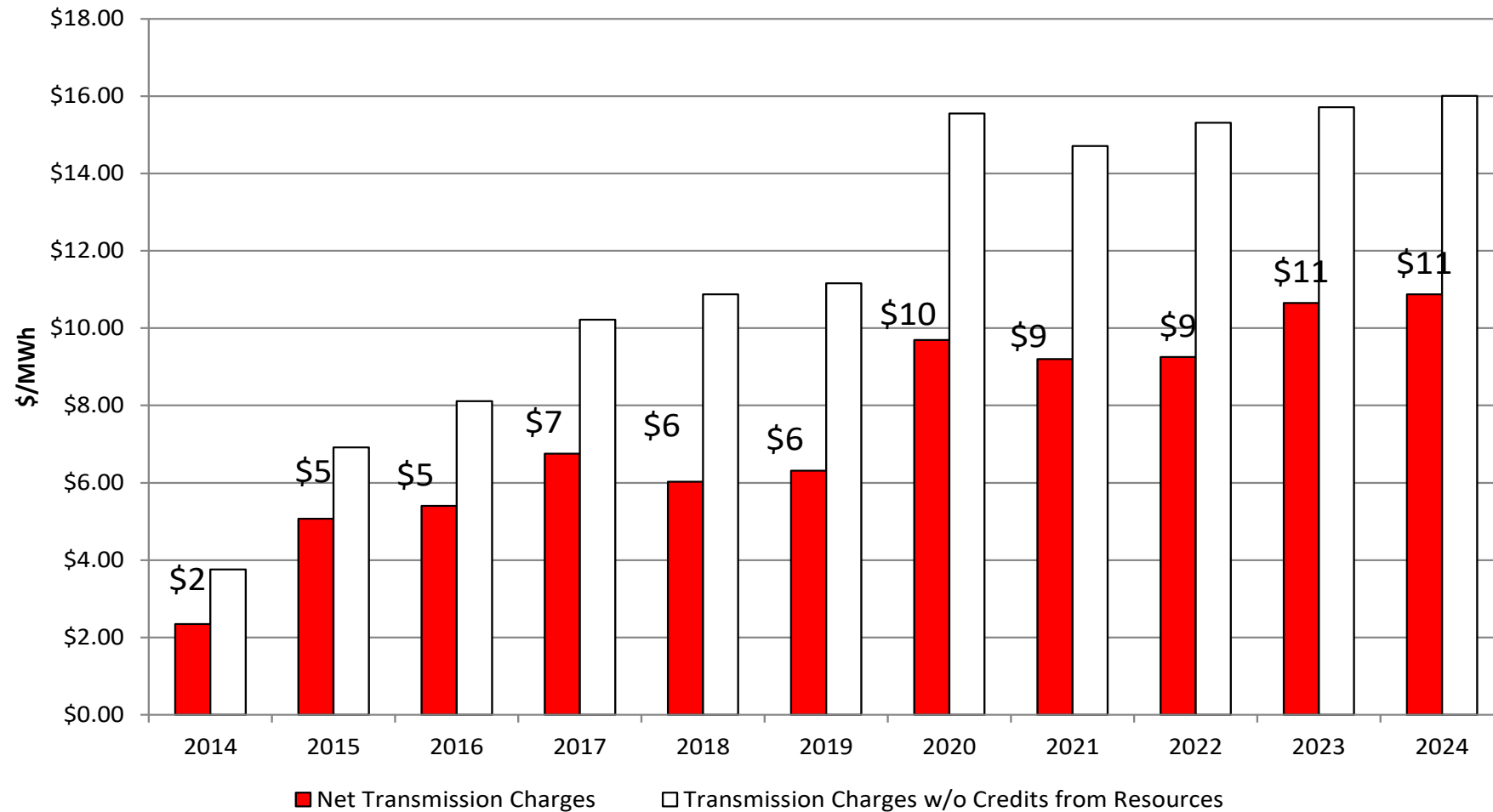
Source: Craig Kleinhenz

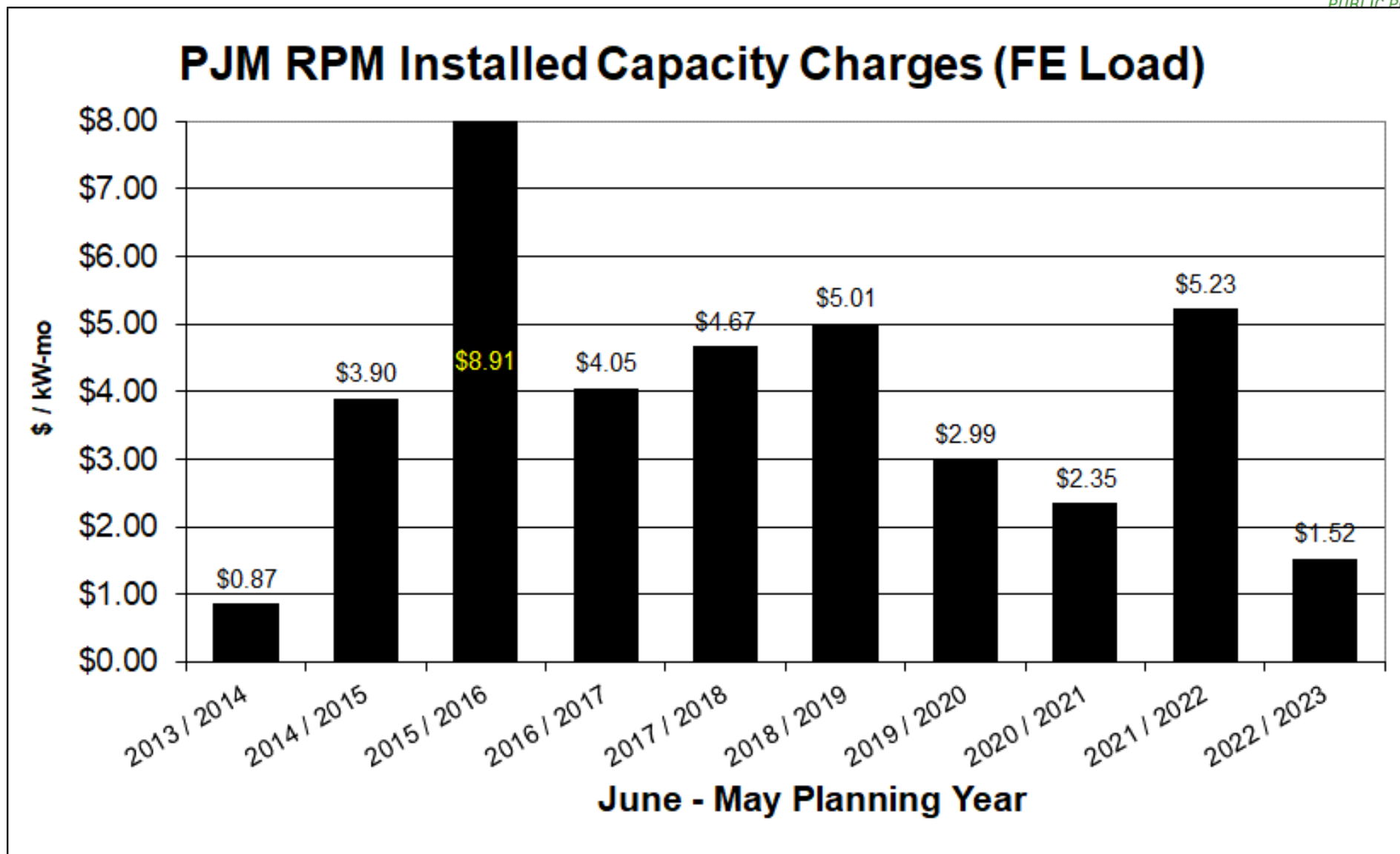
FirstEnergy Transmission Demand Charge

- Based on Costs of FE (ATSI) Transmission System
- Formula Rates (Formula fixed, Dollars updated annually)

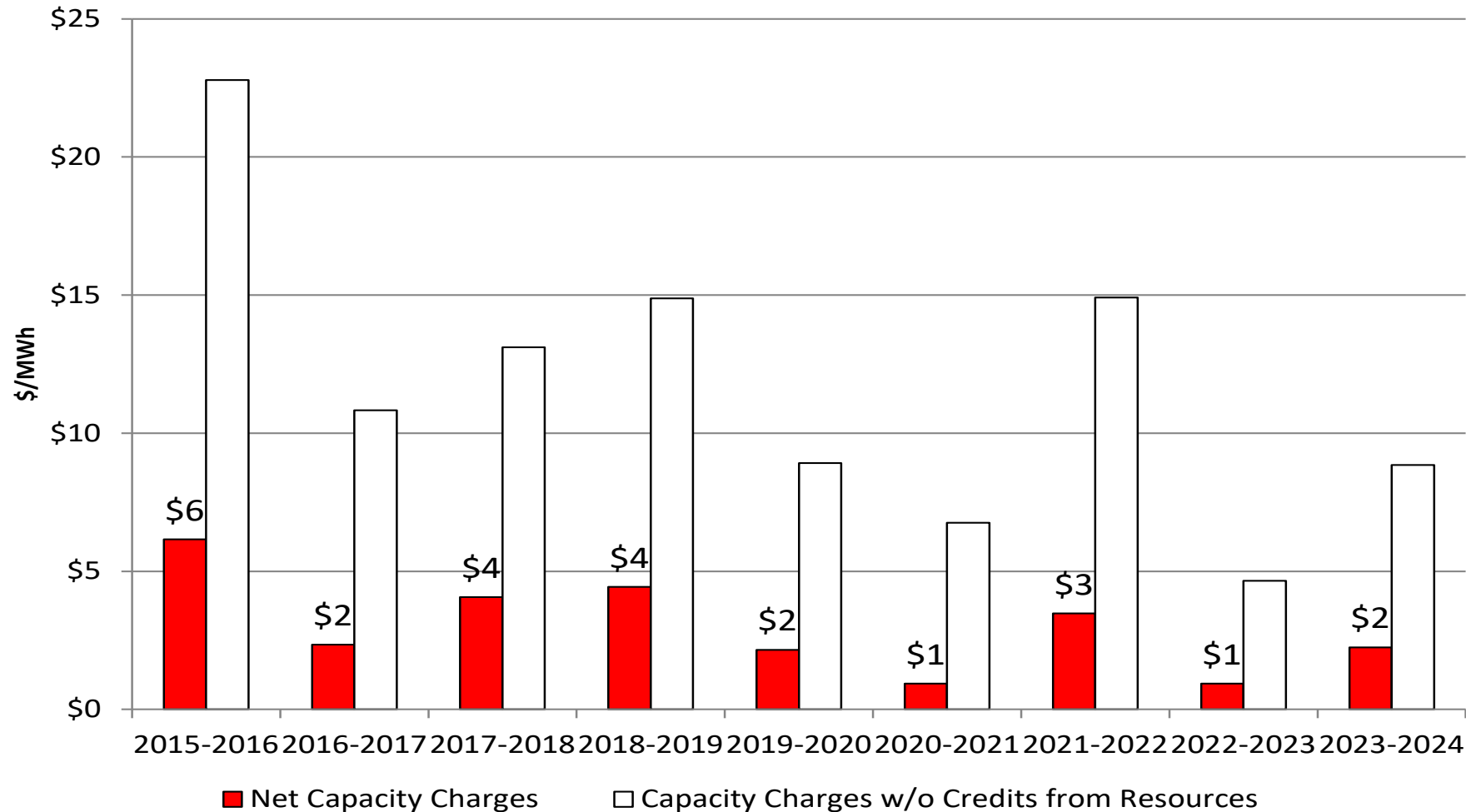


Transmission Charge Impact to Overall Rates: Napoleon





Capacity Charge Impact to Overall Rates: Napoleon



Peak Shaving

- Peak Shaving Notifications:
- AMP sends out notices via email notifying members of predicted 1CP and 5CPs

<ul style="list-style-type: none"> • Yellow - Be prepared to run if conditions change Load Curtailm / High Peak Loads are Possible That Could Change Alert Level • Orange - Low cost or high lead/startup time generation should run Load Curtailment not yet needed • Red - Likely to be a 1 or 5 CP hour/ All Generation should run Load Curtailm / Load Curtailments and Social Media Alerts Recommended • Black - High Likelihood of Peak for Year - Do Not Skip
--

- Transmission Peak Shaving Savings 1,000kW = \$77,000/Year
- Capacity Peak Shaving Savings 1,000kW = \$45,000/Year

The opportunity is peak shaving

In addition to BTM generation, we can combat increasing transmission and capacity charges by reducing Member system peak demand through management of connected technologies, focused initially on connected or 'smart' thermostats.

This program has the potential to connect water heaters, electric vehicles, pool pumps and more down the line on a single platform.



Community Energy Savings Program purpose

- To combat transmission and capacity (T&C) charges by reducing Member system peak demand through the management of connected technologies such as thermostats, water heaters, electric vehicles (EVs), pool pumps and more
- The initial five-year program will be a thermostat program that adjusts AC load during summer peak days, no more than 15 times/year
 - Reduce cooling equipment load at peak times by 1 kW/thermostat/event*
- The program can also help members improve customer satisfaction and engagement by providing a positive touchpoint with customers
- Based on current T&C costs and projections, members in ATSI, PJM Pool, Blue Ridge, and OMEG zones are best suited for the program, but all Members can join
 - Estimated net savings for the following zones (average benefit minus \$80 (thermostat fee):
 - ATSI: \$17/thermostat, PJM Pool: \$13/thermostat, Blue Ridge: \$7/thermostat, and OMEG: \$15/thermostat

**Source: 1 kW/thermostat/event — Westerville has seen 0.95 kW/thermostat/event; EnergyHub results show 1.09-1.30/kW/thermostat/event*



- Based in Brooklyn, NY
 - Established in 2007
 - Owned by Alarm.com
 - Over 100 full-time employees
 - Mercury DERMS software platform
- **Smart Thermostat clients:** Los Angeles Department of Water & Power, Lincoln Electric System, Austin Energy, CPS Energy, SRP, plus numerous IOU & cooperatives
 - **Thermostat OEM partners:** Nest, Ecobee, Honeywell, Emerson, Carrier, LUX, Alarm.com, Vivant, Amazon
 - **Other smart technology capabilities:** EV chargers, solar inverters, water heaters, energy storage
 - User-friendly application
 - Can manage incentive processing
 - Members can submit customer data files directly to EnergyHub through secure FTP site or review and approve customer data files through the DERMS platform

How it works

Joint action provides economy of scale to use a DERMS

- Once we reach critical mass, AMP will partner with EnergyHub as our third-party Distributed Energy Resource Management System (DERMS) provider
- Members will be charged \$80/thermostat enrolled/year
- Members who enroll in the program prior to December 2022 will not be charged the device fees in the first year if they commit to enroll at least 2% of their total residential meters
- Member residential customers would voluntarily sign up for the program through their existing or newly purchased smart thermostat via the thermostat OEM app or email notification, pushed out 4 times/year
- Thermostat OEMs send customer enrollment information to the DERMS provider
- There are two ways Members can manage enrollments:
 - Automated — Within the DERMS platform, customers will be approved/denied by cross-referencing Member customer list that is provided by the Member on a monthly basis on a SFTP site, verifying that they are a customer of the community
 - Manual approval process — Member logs into DERMS platform and verifies customers; requires completion of the Google Security Assessment
- If assistance is needed to accomplish the customer verification process or Google Security Assessment, AMP IT can support at an additional cost
- Enrolled customers are sent a one-time Visa Gift Card incentive payment of \$55 by the DERMS provider

How it works continued

DERMS would enable Members to peak shave using connected thermostats

Events

- When AMP sends a notification of a peak alert, AMP Dispatch, via the DERMS platform, schedules the enrolled thermostats to pre-cool and then shut down or cycle during the event timeframe
 - Max of 15 events per year, although additional emergency events are allowed
 - Max of 4 hours
 - Weekends and holidays only called during emergency events
 - Thermostats will be grouped and scheduled by transmission zone, Member utility, or all at once
- Members can choose to opt out of the event; or members may want to call their own event – in both cases Dispatch staff must be notified as they will have to initiate it
- Member customers are notified of the event via the thermostat OEM app and/or email. Notification messaging can be customized by AMP but branded as one program
- Member customers can opt out, without penalty, via the thermostat itself or in the thermostat OEM app. Per the DERMS provider:
 - Opt-out customers still deliver 0.5 kW load shed, on average; and
 - There is about an 88% participation rate in each event and about a 95% retention rate over two years

How it works continued

The DERMs would enable Members to understand thermostat performance

Reporting

- AMP can view and download performance reports, which can be broken out by Member utility, transmission zone and in program aggregate
- Reports can include:
 - kW savings per event, month or season, and
 - Number of thermostats enrolled vs. number of thermostats that participated
- These reports would be provided to participating Member utilities on an event, monthly, quarterly or seasonal basis

Estimated Benefits

Assumptions used in calculating member benefits

- Based on actual Capacity & Transmission figures through 2022, capacity is projected to stay flat and transmission is projected to increase by 2.3% year over year. (AMP Power Supply)
- 80% hit accuracy of the 5 & 1 CP days and accounts for reduction in benefits for zones that may peak in the winter. (AMP Power Supply)
- Peak shave 1-kW per thermostat per event. (EnergyHub)
- At this time, the energy will NOT be aggregated and bid into the capacity markets.
- Benefits will be reflected in each participating Member's transmission and capacity costs on their monthly power supply bills, similar to peaking units.
- Savings are delayed, so thermostats enrolled in the 2023 peaking season will result in transmission savings seen in January-December 2024 and capacity savings will be seen in June 2024-May 2025.

Estimated average benefit per participating thermostat		
Zone	5-Year Life	Year
First Energy (ATSI)	\$ 483.05	\$ 96.61
AEP (OMEG)	\$ 474.03	\$ 94.81
PJM Pool	\$ 466.44	\$ 93.29
AEP (Blue Ridge)	\$ 436.00	\$ 87.20
Penelec	\$ 407.71	\$ 81.54
Perkasie	\$ 375.18	\$ 75.04
EPPG-PPL	\$ 353.63	\$ 70.73
Ephrata	\$ 338.13	\$ 67.63
EPPG-METED	\$ 337.13	\$ 67.43
Hamilton	\$ 320.96	\$ 64.19
Lebanon	\$ 303.05	\$ 60.61
Williamstown	\$ 291.27	\$ 58.25
Delmarva	\$ 256.77	\$ 51.35
New Martinsvl.	\$ 228.55	\$ 45.71
Philippi	\$ 221.14	\$ 44.23
Dayton (WASG)	\$ 216.58	\$ 43.32
Front Royal	\$ 210.12	\$ 42.02

Estimated Benefits

Member name ¹	Napoleon
Community Energy Savings Zone	ATSI
Your estimated average device savings (\$/thermostat/year) ²	\$96.61
2% of your residential meters	103
Meter adjuster (enter an adjustment to your meters) ³	0%
What is your estimated enrollment escalator? ⁴	8%
Device fee year 1	\$0.00
Device fee years 2-5	\$80.00
Will you have startup IT costs? ⁵	No
Estimated startup costs	\$0

SUMMARY		
	COSTS	SAVINGS
Year 1	\$0	\$0
Year 2	\$8,908	\$9,961
Year 3	\$9,620	\$10,757
Year 4	\$10,390	\$11,618
Year 5	\$11,221	\$12,547
Year 6	\$0	\$13,551

TOTAL ESTIMATED PAYBACK (YEAR 1 SIGNUP) ⁶	\$18,295
TOTAL ESTIMATED PAYBACK (YEAR 2 SIGNUP) ⁶	\$7,717

¹ Berlin, MD = enter as "Berlin-MD"; Berlin, PA = enter as "Berlin"; If you receive an error, please double-check your spelling. If spelling is correct, you may be in a zone that does not have transmission and capacity costs (MISO).

² Savings are determined by using the transmission & capacity average costs based on current estimates for 2023-2027, as of June 26, 2022; Transmission costs have been adjusted to account for zones that winter peak; Assumes an 80% 'hit rate' for peaking events; Assumes 1 kW savings per thermostat (EnergyHub results show 1.09-1.30/kW/thermostat/event).

³ Adjust the number of meters for the start of the program. AMP has calculated 2% of the community's residential meters based on data AMP has on file. If the information is not correct, please let AMP know.

⁴ The average estimate is provided by EnergyHub. They have seen growth from 3% to as much as 55% year over year. The default is set to 8% growth, it will likely be higher initially and drop off over time.

⁵ There may be IT start-up costs depending on if your community needs assistance with the customer verification process. There are two ways to verify customers in the program:

1. Manual Verification:

- Member logs into the DERMS Mercury Platform and verifies enrollees as eligible customers (Google Nest Security Assessment Questionnaire needed from each participating member)
- AMP holds an annual training for how to fill out the Nest Questionnaire (no cost, included in budget).
- AMP IT staff (charged at billable rate) support members who need assistance filling out the Questionnaire.

2. Automated Verification (no Nest Questionnaire):

- Members would provide an eligible customer list to Energy Hub on a monthly basis (via an SFTP site) and Energy Hub will automatically verify enrollees.
- AMP IT staff (charged at billable rate) support members to get the customer list in the correct format (Costs can range from \$2,400 set up and \$625/year thereafter, up to \$16,800 set up and \$4,175 thereafter – depending on whether the existing CIS will support extracting data in the proper format for automated verification).

⁶ Note this calculation assumes that the program ends after five years with the savings from the fifth year showing in year 6 when there are no expenses.

Preliminary contract details

- AMP will sign a 5-year contract with Energy Hub once a threshold of 2,300 thermostats is reached. The goal is by January 2023
- AMP would have contracts with Members via a schedule to the existing MSA
 - Members will have a sign-up window each year between October and February for participation in the next peaking season
 - For inaugural Members, those that sign up by December 2022, the rates are as follows:
 - Year 1 (ends Dec. 31, 2023): \$0 per thermostat
 - Year 2+: \$80/thermostat/year
 - In exchange for no device fees in the first year, inaugural Members sign up for a minimum of 2% of their meters
 - Participating Members will be billed monthly on power supply bill starting in January 2024. If collectively, among all members participating, we do not reach 2,300 thermostats, AND the member does not reach their 2% minimum enrollment by the end of the year, a proportional true-up will occur
 - For Members that sign up after inaugural enrollment, their contract term would mirror the time left on AMP's Energy Hub contract and the rates are as follows:
 - \$80/thermostat/year
 - If a Member exits the program early, they would be obligated to pay AMP for their enrolled thermostats for the remainder of their contract

Smart Thermostat Program Timeline: May 2022 – Sept. 2023

1. **JULY:** Send Members an email explaining the program and projected benefits.
2. **JULY-AUGUST:** Follow up with Members to answer questions and gauge interest.
3. **AUGUST-SEPTEMBER:** Send draft Member Schedule to those interested in joining the program.

Also, Marketing Team, Power Supply and Sustainability Team will talk with Members during meetings / member engagements about the program; during regional Power Supply meetings; during conference, etc.

1. **MAY-JULY:** Work with EnergyHub on vendor agreement and lock in for 6 months.
2. **JULY-AUGUST:** Develop a Member Schedule, draft legislation and updated cost-benefit analysis for interested Members.
3. **AUGUST-NOVEMBER:** Support Members' efforts to pass legislation.
4. **BY DECEMBER:** Members execute Schedule.

1. **BY JANUARY 13, 2023:** If there is enough member interest to reach minimum threshold, sign contract with EnergyHub.
2. **JANUARY-APRIL 2023:** Onboarding process with EnergyHub
3. **APRIL 2023:** Push notification to enroll customers into the program
4. **MAY-SEPTEMBER 2023:** Peaking season, AMP Power Supply will call events and Dispatch will schedule enrolled thermostats for peak shaving. No more than 15 events/year.

Member
Engagement

Contract
Logistics

Launch



For additional information, contact:

Erin Miller, AVP energy policy and sustainability

Phone: 614.540.1019

Email: emiller@amppartners.org

Corey Hawkey, director of member programs and sustainability

Phone: 614.307.9432

Email: chawkey@amppartners.org





CITY OF NAPOLEON, OHIO

ELECTRIC DEPARTMENT

1775 INDUSTRIAL DR.

NAPOLEON, OH 43545

PHONE: (419) 599-1891 FAX: (419) 875-3100

WWW.NAPOLEONOHIO.COM

Electric Superintendent

Gregory Kuhlman

Distribution Service Supervisor

Mike Dietrich

Substation Specialist

Todd Wachtman

Substation Technician

Nikk Hogrefe

To: Electric Committee Members, Board of Public Affairs Members

From: Greg Kuhlman, Electric Distribution Superintendent

Subject: Industrial Substation Upgrade

Meeting Date: August 8, 2022 6:30 PM

Before the Industrial Substation upgrade can begin a 69kv circuit IS-5 must be relocated.

A bid for the engineering portion of the IS-5 Line relocation has been received by Power Engineers, Inc in the amount of \$237,811. Power Engineers, Inc. and the City of Napoleon are currently securing contracts so that engineering services may begin on the design of relocating IS-5. A kickoff meeting is set for Thursday, August 11, to plan a scope of work.

Please let me know if there are any questions to which I can provide answers.

Napoleon Power & Light

JULY 2022 DEPARTMENT SUMMARY



Standby Callouts:

There were sixteen callouts for the month. Fourteen callouts resulted in an outage.

Lineman Crew:

Crew focused on the following projects this month: Pole replacement for crossover line clearance on State Route 110; shop maintenance; Pole replacement on County Road P east of County Road 12; Shut offs; Pull in 4/0 primary service feed for Dana Corp; Dana primary service Install; Main Stop primary and pad transformer service install; Energize Dana 1500kva transformer; Install URD service to new home at 1204 Clairmont; Secondary rebuild at the dead end of Capri and Lemans; Install URD service to Gerken home on Mohring Drive; Repair primary URD at Glenwood Estates; String new single phase wire on County Road P east of County Road 12.

Line Clearance Crew:

Crew managed and maintained clearance space at six locations throughout the service area. They also assisted the lineman crew with three various projects this month.

Storeroom/Inventory Purchasing/Meter Reading:

Shawn read meters, managed inventory and assisted the lineman crew as needed.

Substation Crew:

Crew completed weekly and monthly checks at all 4 substations.

System Load/Daily Generation Output/Power Portfolio:

System information unavailable at this time due to server transition.

Napoleon Power & Light

JULY 2022 CALL-OUT SUMMARY



July 1, 2022:

Electric personnel were dispatched at 5:26 PM to 13-078 County Road U. The callout resulted in a non-outage. Personnel removed branch from service.

July 1, 2022:

Electric personnel were dispatched at 6:37 PM to 17-293 US Highway 6. An outage caused by wind lasted one hour and affected one customer. Personnel reconnected service at transformer.

July 1, 2022:

Electric personnel were dispatched at 7:40 PM to 12-556 State Route 110. An outage caused by trees lasted two hours and affected two customers. Personnel removed tree and replaced service.

July 5, 2022:

Electric personnel were dispatched at 11:25 PM to 16-165 County Road V. An outage caused by an animal lasted one hour and affected one customer. Personnel removed raccoon, refused cutout and reenergized.

July 6, 2022:

Electric personnel were dispatched at 7:45 AM to County Road 16B and County Road M2. An outage caused by lightning lasted thirty minutes and affected fourteen customers. Personnel refused cutout and reenergized.

July 7, 2022:

Electric personnel were dispatched at 6:00 PM to Sycamore Street. An outage caused by an animal lasted one hour and affected six customers. Personnel refused cutout and reenergized.

July 9, 2022:

Electric personnel were dispatched at 1:45 AM to 13-427 County Road U. An outage caused by an animal lasted one hour and affected one customer. Personnel removed raccoon, refused cutout and reenergized.

July 10, 2022:

Electric personnel were dispatched at 7:39 PM to Glenwood Estates. An outage caused by bad underground lasted two hours and affected sixty- customers. Personnel isolated bad section and reenergized cable.

Napoleon Power & Light

JULY 2022 CALL-OUT SUMMARY



July 12, 2022:

Electric personnel were dispatched at 12:10 AM to 10-635 County Road P3. An outage caused by an animal lasted one hour and affected one customer. Personnel removed raccoon, refused cutout and reenergized.

July 13, 2022:

Electric personnel were dispatched at 7:30 PM to 637 W Clinton Street. The callout resulted in a non-outage. Personnel determined the smoke that the customer saw was not from our pole.

July 16, 2022:

Electric personnel were dispatched at 8:30 AM to N-919 County Road 14. An outage caused by an animal lasted one hour and affected one customer. Personnel removed bird and refused cutout.

July 17, 2022:

Electric personnel were dispatched at 6:00 AM to Glenwood Trailer Park. An outage caused by bad underground lasted four thirty hours and affected ninety-two customers. Personnel added a temporary primary URD on ground.

July 17, 2022:

Electric personnel were dispatched at 6:00 AM to Patricia Avenue. An outage caused by lightning lasted three hours and affected six customers. Personnel refused cutout.

July 17, 2022:

Electric personnel were dispatched at 6:00 AM to County Road V and County Road 10. An outage caused by lightning lasted two hours and affected twenty customers. Personnel refused cutout.

July 24, 2022:

Electric personnel were dispatched at 2:24 AM to V-477 County Road 9C. An outage caused by lightning lasted one hour and affected six customers. Personnel replaced blown fuse.

July 31, 2022:

Electric personnel were dispatched at 2:30 PM to N-919 County Road 14. An outage caused by an animal lasted one hour and affected one customer. Personnel removed bird and refused cutout.

City of Napoleon, Ohio

BOARD OF PUBLIC AFFAIRS

MEETING AGENDA

Monday, August 08, 2022 at 6:30 pm

location ~ Council Chambers, 255 West Riverview Avenue, Napoleon, Ohio

- 1) Call to Order
- 2) Approval of Minutes – June 13, 2022 (In the absence of any objections or corrections, the Minutes shall stand approved)
- 3) Review/Approval of the Power Supply Cost Adjustment Factor for August 2022:
PSCAF 3-month averaged factor \$0.02226 and JV2 \$0.112995
- 4) Smart Thermostat Program Presentation by AMP
- 5) Substation Project Update
- 6) Electric Department Reports
- 7) Adjourn

Roxanne Dietrich

Roxanne Dietrich – Acting Clerk

CITY OF NAPOLEON, OHIO

BOPA Members	Jeff Comadoll-Chair, Rory Prigge, Mike DeWitt
Electric Comm Member	Lori Siclair-Chair
City Manager	Joel Mazur via WebEx
Acting City Manager	Clayton O'Brien
City Staff	Greg Kuhlman-Electric Distribution Supt.
Others	Newsmedia
Recorder	Roxanne Dietrich

Electric Committee Ross Durham, Joe Bialorucki

Comadoll, Chair of the Board of Public Affairs called the meeting to order at 6:30 pm.

Hearing no objections or corrections, the minutes from the April 11, 2022 Board of Public Affairs meeting were approved as presented.

Motion: DeWit Second: Prigge

to approve the June 2022 PSCAF as 3-month averaged factor \$0.02156 and JV2 \$0.073844

Yea-Prigge, DeWit, Comadoll

Nay-

Yea-3, Nay-0. Motion Passed.

Mazur stated the PSCAF is up, this is your typical April usage (a shoulder) month and usage is typically down. The weather is nice, people are not using their air conditioning or heaters and they are using less electricity. Another factor playing into this is the price of natural gas is up globally. The global energy crisis is due to a variety of factors; the war in Ukraine is causing gas supply issues to the rest of Europe, all the people producing natural gas here are shipping it over to Europe as fast as they can. Natural gas prices and energy prices are up globally. We are impacted, we do buy anywhere from 7% to 13% of our remaining requirements off the market. We also have the Fremont Energy Plant that is all natural gas so as gas prices go up, so does the cost to operate that facility. The good news is, only about 25% to 30% of our portfolio is seeing an increase where everyone else is seeing 100% of their energy prices. We are not up as much as everybody else. If you are in a different utility and buying all your power from the market then you are beholden to the market rates and you are paying more. There are other factors woven into all of this but, for the most part, those are the big driving factors (a shoulder month, usage is down and global energy prices are up). DeWit asked how do you explain this to the public? Mazur responded you can do a social media blast. This is big news in the energy industry and is something that looks like will continue into 2023. What the prognosticators are saying at this point is they are looking at 2023 for things to kind of settle down. Even that outlook is starting to move back a little bit. DeWit said this is one of those cases that whenever you are affected by a war, we should tell the people how they are affected and add the fact that you are not nearly affected as much as others. Mazur said the Participants Committee of the AFEC Project which is the Fremont Energy Natural Gas Plant, made a

decision right before the prices went up. We pre-purchased natural gas at a lower rate for a year at the lower price. You try to hedge your risk by having some predictability, even though sometimes you might pay more, other times you may pay a lot less. Once that contract is up, obviously we will be paying the higher rate. We went from 25% of pre-purchased gas to 35% locked in at the lower rate. Hopefully we can communicate this well with the public so it is understandable and hopefully they can appreciate we are a public power entity and we have control over how our rates are affected by the market. The rates are still up but everyone else's is up higher.

Electric Department Fiber Connection to Substations

Mazur explained we do not have a fiber connection now and are leasing fiber space from Ridgeville Telephone. Years ago, the Electric Superintendent stated we do not have a pole attachment agreement with Ridgeville Telephone. Back in the day, there was a handshake deal. It is hard to operate that way so a contract was put together. Other utilities that are attached to our poles are charged since we have to work around them, maintain and everything else that goes with it. Now, since we use their fiber line, Ridgeville Telephone is charging us to lease that fiber for the Glenwood substation. The proposal is to install our own fiber line. It will have a return on investment on this. Kuhlman said the current contract was \$27,000 up front to initiate and \$13,700 every year after that for maintenance. Mazur said we are looking at \$150,000 to install a fiber line that the return investment on that now would be about ten years. With inflationary costs that number rises not only for the installation but also for the annual leases that we have. Staff's recommendation is that we appropriate the necessary funds to have this fiber connection. The city would own and maintain it and would not be leasing fiber from someone else. We have plenty of capital, not including the AMP Transmission \$5.1 million that is coming in. Do believe there is around seven million dollars to work with between the electric development fund and our unencumbered balance of the electric fund. \$147,000 is a lot of money but, in the grand scheme of things, it is a long-term investment. Owning and having that fiber connection allows us to be able to use it in other ways if we want to down the road. When you own and maintain something, if the Police or Fire Department needed to tap into it for something we have that capacity available. I believe it is a worthwhile investment to have this installed ourselves. We are asking for approval from the Board of Public Affairs to move forward with this project. It is about 35,000 lf. or about 6.7 miles of fiber for about \$147,000. Prigge asked if the line will be buried or on a pole? Kuhlman said it will be on a pole. Prigge said there will be two fiber optics on the poles, Ridgeville's and ours. Kuhlman replied yes.

Motion: DeWit

Second: Prigge

to approve the recommendation for the city to install their own fiber line

Roll call vote on the above motion:

Yea-Prigge, DeWit, Comadoll

Nay-

Yea-3, Nay-0. Motion Passed.

Smart Thermostat Program

Mazur explained AMP put together strategic planning ways to shave peak for rates. Everyone is moving towards smart thermostats. No action is requested now. At next month's meeting would have Erin Miller from AMP give a presentation. People can voluntarily opt in. There is an incentive of a \$75 or \$100 gift card to opt in and participate in the program during peak alerts. Their thermostat would be adjusted from a third party where they ramp up the air conditioners in the morning to cool the house down and then during the peak hours, the thermostat would be recalibrated a few degrees lower. When the peak hours are over, it would revert back to the setting it was on before. This is a way to participate in peak shaving without doing anything. They can opt out of the program at any time. We need to start going to AMRI system sooner than later. From a financial perspective, data collected from

City of Napoleon, Ohio

MUNICIPAL PROPERTIES, BUILDING, LAND USE, AND ECONOMIC DEVELOPMENT COMMITTEE

MEETING AGENDA

Monday, August 8, 2022 at 7:30 pm

Location ~ Council Chambers, 255 West Riverview Avenue, Napoleon, Ohio

1. Call to Order
2. Approval of Minutes- June 13, 2022 (In the absence of any objections or corrections, the Minutes shall stand approved)
3. Discussion on Deer in the City
4. Adjournment.



Roxanne Dietrich - Acting Clerk

MUNICIPAL PROPERTIES, BUILDING, LAND USE AND ECONOMIC DEVELOPMENT COMMITTEE
SPECIAL MEETING MINUTES

Monday, June 13, 2022 at 7:00 pm

PRESENT

Committee Members	Molly Knepley-Chair, Lori Siclair, Jason Maassel
City Manager	Joel Mazur via WebEx
Acting City Manager	Clayton O'Brien
Director of Public Works	Chad E. Lulfs, P.E., P.S.
Others	News-media, Rex Walker, Leonard Coleman
Recorder	Roxanne Dietrich

ABSENT

Committee Member Joe Bialorucki

CALL TO ORDER

Knepley, Chair of the Municipal Properties, Building, Land Use and Economic Development Committee, called the meeting to order at 7:10 pm.

APPROVAL OF MINUTES

Hearing no objections or corrections, the minutes from the April 11, 2022 meeting were approved as presented.

Review City of Napoleon Engineering Department Rules and Regulations

Motion: Maassel Second: Siclair
to untale Review of City of Napoleon Engineering Department Rules and Regulations

Roll call vote on the above motion:

Yea-Knepley, Maassel, Siclair

Nay-

Yea-3, Nay-0. Motion Passed.

Lulfs stated there was a request for revisions to be made to the Engineering Department Rules and Regulations and a few scrivener errors were found also. Technically, I am now the Public Works Director and in the engineering rules everything falls back to the City Engineer. Verbiage has been added that allows the Public Works Director to make decisions in the absence of a City Engineer. There were two major issues that were addressed. Upon input from the public and this committee, the drainage calculations were modified. If there is a new development, the rules still apply that you have to have detention for all the facilities. However, some of the older businesses and properties in town want to make modifications to their property and the way the engineering rules are written, they have to install detention for the entire property. If they were to do a 10' x 10' addition, they now have to have detention for their entire facility. The revision would allow detention to only be required on whatever the new work is. Since they were grandfathered in originally, it would still allow the existing facility to stay grandfathered but, if they put up a new roof or increased the parking lot, then detention would only apply to those components. This has been an issue three times in the last nine months. I am not opposed to it; we would get something rather than nothing. The cost to put in detention for the entire facility could kill an expansion usually due to space limitations. The other requirement that was discussed was the requirement for the minimum/maximum width of driveways. For residential properties, the rule states that there is a minimum width of 14' and that has never been an issue and a maximum width of 30' for residential drives. The only revision being requested to be added to this rule

Motion: Maassel Second: Siclair
to recommend council approve the revisions to the engineering rules

supplies and how long it takes to get things delivered, that project was pushed back to 2023 with the intent to also do Wayne Park Drive and portions of Kenilworth, Westchester and Westmont. We are going to make application for a grant for Third Street for next year to replace the sanitary sewer. That sanitary sewer is one of the top three worse sewers in the city. We would like to expand the project to do some resurfacing in that neighborhood. Since it is an Issue II project, it may be in next year's budget, but will not be done until the following year. Issue II does not allow you to award a project until July 1st and that can make it tough to get paving done. Mazur added keep in mind for 2023, Briarheath has some major curb issues that will be costly and the rest we are looking at just doing mill and fill. Lulfs said there will be a few sections of curb that need to be replaced but, we do not see it being like Michigan and North Sheffield where we had to take out all the curb and start over. When you do sections, it is much less expensive. Mazur went back to the 2022 projects noting Glenwood and Lynne Avenue are added to the annual resurfacing project because the bid came in \$100,000 under what was budgeted. We also have \$130,000 added back into the capital fund due to receiving additional grant monies for the Ritter Park Path project. You will get a strong recommendation from Lulfs and myself to add those projects into the 2022 plan. 2023 is looking a little aggressive and pricey but, it covers a lot of ground. With the exception of Wayne Park Drive, it is all in the same location. Depending on how the numbers come back, it may have to be dialed back a little bit. In 2024 we are looking at Welsted, Main Street and the Scott Street section that we talked about re-routing 108 now that the second river bridge is open, do we need to re-route 108 or not? Think the consensus of the room was to spend resources on fixing Scott Street. In 2025 DeRome is on for a mill and fill to make it last. Not on here for 2024 is the Oakwood Project. That project is \$2 million grant funded but, how much are we going to be able to get down with that and how much are we willing to contribute to get the rest of it is up in the air right now? East Washington is a Long-Term Control Project and the North Perry Street waterline will both factor into roads being repaved even though there are other factors involved. I have received a lot of complaints about Twin Oaks Subdivision recently from some of the people that live there that say it is bad. It is a concrete road, we are going to have to have a regular plan for addressing those kinds of roads. Maassel relayed there are two residents from Twin Oaks in the audience. Mazur continued Lulfs and I have been discussing this, it is a challenge with the expense to replace concrete. Back when the concrete roads were built, they knew back then that concrete is great, it lasts a long time but is expensive to repair and replace is what we are up against. We have a finite amount of resources and are doing the best with that. Maassel asked where is the North Perry Street waterline? Lulfs said the portions of waterline that is in very poor condition is just north of Oakwood and goes to Yeager. The street is poor as well. With the Oakwood project, we are making some modifications to our water system. We are eliminating the railroad crossing on Oakwood for the waterline and we are looping it back to Perry in anticipation of being able to replace that waterline in the coming years. Oakwood in 2024 is a state project but, ODOT is going to be doing the round-about on the exit in 2023. I have word that the county is going to be replacing the grade over Oberhaus Creek on Oakwood in 2023 and that is another project in the city that we need to be aware of. In the past when we looked out past three years, rarely were we able to stay with those projections. Three years is about as far as we would want to project. Maassel said the question is, when do we determine what we are going to do for 2026? Is that a June Municipal Properties meeting when do you start having those conversations? Mazur asked on an annual basis? Maassel said when annually? Mazur replied June is a good time, you are getting ready to start your budget in July and that would be a good practice to do in June. Lulfs said if we have a plan in place, it makes budget easier for my department. We can prepare plans and budgets to submit for our budget rather than Council doing a budget and saying this is how much you get and we try to fit it. Asphalt and concrete are not cheap. Concrete is going up, we heard from a contractor concrete is now over \$160/yard.

Rex Walker 1455 Thershan Drive Twin Oaks Subdivision

I speak for a lot of people in our area including Jason. Maassel – I live in Twin Oaks it is a conflict of interest, I cannot say anything. Walker went on Twin Oaks Subdivision was built some 30 years ago with limited or no expense from our street department. Approximately seven years ago our street department toured and selected some areas within Twin Oaks to replace and repair. Those repairs are now in worse shape than they were then. Due to the city ordinances, skateboards and roller blades are prohibited on our sidewalks so they are forced to do that on unsafe streets particularly with the little children that we have an increased amount of here in the last three years in our subdivision. For the past thirty years other streets have been repaved multiple times why has Twin Oaks been neglected? You have collected 1.5% over a thirty-year period of some of the highest wage earners in this city with little or no street maintenance. We want streets either concrete or asphalt that does not detract from our neighborhood and we would like something done yet this year. An additional postscript to those few comments, what other streets in your opinion in Napoleon are in worse condition than Twin Oaks? We would like to have a list. Siclair responded I do not disagree with you, I understand a lot of streets and someone sitting right behind you would attest to that to, we have plenty of complaints and do not have plenty of money. You are saying you do not mind if they are not concrete. Walker said no, I would share this with you if you are going to do a blacktop, normally it is going to last you ten years ten to eleven years and if one would do that we would have to take the concrete all out of there and do a continuance on of what Mr. Beck's subdivision is currently you notice where he stops where the concrete begins and the blacktop ends so we would have to tear up, the city, all that concrete which is was to be at the time when Mr. Luzny did this or whoever the city engineer was back there thirty years ago, I'm sorry. It wouldn't have been a guy by the name of Hoff would it, Adam Hoff? He is a good friend of mine, but he was back in those days Lulfs interjected it would have been Marc Gerken. Walker continued okay, Mr. Gerken. What Mr. Gerken was supposed to do at that time, and I can take all of you out to Twin Oaks right now and I can show you in several spots the way the concrete engineering was to be done was to have a sloped street and in the middle of the shall we say of the street it was to be 6" thick and then tapered down. The highest amount of any area in that whole subdivision is about 4" to 4½", I have measured it and a couple of other guys have done the same thing and will concur with me. So that was not done right but that is water over the dam but in order to do this, we would have to take all the concrete which if we didn't do the concrete, obviously it is probably three times more expensive than asphalt and so, we would have to dig we would have to tear all the concrete out and have a good solid base and then taper it up and do it correctly. Every ten years, it would be ten, eleven or twelve to redo it. So that is where we are coming from and obviously, we would love to have it concreted just like it was but we understand that is like physically and financially impossible but if it weren't, at least we'd like to see that done and keep this area that we have in the proper prospective that it was intended to be. Thank you for your comments and you can get back with me later on where we go to page 2 of this.

Leonard Coleman 1140 Becca Lane, Napoleon, Ohio.

We have had a large increase in the number of small children in the last twenty years since I have been here. At the same time, more of us have got quite a bit older. Those roads are really there are a lot of places are dangerous to ride bike which I do like to do. There are holes this big if you'd hit that with your bike you'd probably lose your balance. It is just very hazardous and very concerning for the safety prospective. The patches they put in seven years ago have not held up. It is frustrating and embarrassing. Had my street looked like that twenty years ago when I moved in, I probably would have wanted it done.

Sicclair – we really appreciate you coming and sharing your comments. I think these are things we all can look into and talk about. The list has gone from a lot of logic and a lot of moving the streets around that makes the most sense that we can maximize the dollars that we have. I do appreciate all that work and I understand. I live off of Park Street and apparently that street was more than fifty years in the making.

I always wondered, how do we have our Police Department running up and down that street constantly when it has never been redone? That was recently reconstructed, and we are happy but it takes a long time. Maassel said to Walker if you remember Strong Street, the dead end of Strong Street, was done in the mid or early eighties. I believe they did Welsted in 1984 and Strong Street in 1985 and said we will get to Park Street soon and soon happened to be Siclair chimed in 2018 Maassel continued so it wasn't exactly soon. Lulfs said my understanding the residents of Park Street were told the raw waterline to Wauseon was going to go down Park Street and when that happened, they would redo it. Then, they decided to put the raw waterline in Ritter Park and never went back to Park Street. Maassel stated if we could redo every street ten years that is a tall, tall task. Siclair said a thought that I might have, some of those streets are used more for pedestrians and bicycles. I talked about Park Street in that way too, those sidewalks were terrible it was impossible to, I run through those neighborhoods and to go on the sidewalks was taking your life in your hands. I usually had to be on the street. If there are specific safety issues, if you have something that is horrible that could be dangerous maybe we can find a way to attend to those. Lulfs said for something immediate we can definitely look at patching obviously I don't see any possible way to do any full replacements this year. As far as in the future it would come down to what we have planned. Walker said how about a three-year project at Twin Oaks over a three-year period. Not hitting you all at once. Lulfs responded it would have to come in stages. We would not be able to do a project that large all at once and it would be too much of an inconvenience. It is one thing when someone has to walk home when they park around the block it's another thing if they have to walk three blocks to get home because their street is ripped out. Walker said that is why the three-year concept. Lulfs stated if we do projects out there, if we get to the point where it is essentially going to be full reconstruction, it would have to be in phases. Walker said can you give us maybe not tonight but in a month or so kind of give us an idea when that could be started? Lulfs responded I can talk to the City Manager and see what he is thinking. Walker said you do not realize how bad this is. You ride bikes out there, we have a lady, this gentleman's wife that actually told me she would not let him ride his bicycle out here. These kids, we have a whole bunch. they are great we love them it is just fantastic but they have fallen down it is unsafe and our city is responsible for the upkeep, to maintain these streets that we live on in Twin Oaks and all the rest of the streets and that has just been neglected for a good many years and that is what my primary purpose is why that has actually been left to happen particularly in that neighborhood. It is a good question and deserves you can get back with us, we should have some resolution when this is brought up another time how we go from here. By the way, the city manager and I talked about this twice. We talked about it a year ago and I invited him to come to Twin Oaks on his bicycle, I wanted him to ride around our whole subdivision I wanted him to see firsthand. I told him you don't need to do this tomorrow or the next day but within the next couple of months. He has just been a busy guy and I understand that and that did not come to fruition. Hopefully in the future we can get something set up.

Additional Improvements at Police Department

Mazur reported we are in the process of doing a building analysis at the Police Department and realized we have some deficiencies at that facility. What JT's has done so far has come a long way and we have made a lot of improvements. These are things that we really need to do, these are not wants, these are needs. We have a quote for the decontamination room where the shower is to put in a washer and dryer in there too. This is for any officers or anybody that comes across or is involved in an incident involving drugs or incident where they may have another person's bodily fluids getting on them, their clothes or uniform. We need to have a better way for them to cleanup and we do not have that. The next step, if this committee approves, the facility upgrade is over the \$10,000 threshold and requires council approval to have one area isolated. Off the break room is a little shower that was installed in 1980 and is wobbly and looks dirty. We may need a little more space for a shower and a sink, and a washer and dryer, stackable ones to utilize space in this portion of the remodel. We are mitigating



City of Napoleon, Ohio

155 West Riverfront Avenue, P.O. Box 151
Napoleon, OH 44558
Telephone: 440/307-1010 FAX: 440/307-1011
www.napoleonohio.com

Memorandum

To: Water, Sewer, Refuse, Recycling & Litter Committee,
City Council, Mayor, City Manager, City Finance Director,
Law Director, Department Supervisors, News-media

From: Roxanne Dietrich, Acting Clerk *rd*

Date: August 5, 2022

Subject: Water, Sewer, Refuse, Recycling & Litter
Committee Meeting Canceled

The regularly scheduled meeting of the **Water, Sewer, Refuse, Recycling and Litter Committee** for Monday, August 8, 2022 at 7:00 pm has been CANCELED due to lack of agenda items.

City of Napoleon, Ohio
PLANNING COMMISSION MEETING AGENDA

Tuesday, August 09, 2022 at 5:00 pm

PC 22-04 – Subdivision Re-plat of Lot 4 of the Re-plat of Lots 25, 26 and 27 - 222 East Front Street

Location. Council Chambers, 255 West Riverview Avenue, Napoleon, Ohio

- 1) Call to Order
- 2) Roll Call
- 3) Approval of Previous Minutes (in the absence of any objections or corrections, the minutes shall stand approved)
- 4) NEW BUSINESS

PC 22-04. Subdivision Re-plat of Lot 4 of the Re-plat of Lots 25, 26 and 27 – 222 East Front Street.

An application for a Public Hearing has been filed by Gene Walters (Four Walters, LTD.) of 222 East Front Street. The applicant is requesting the approval of a Subdivision Re-plat of Lot 4 of the Re-plat of Lots 25, 26 and 27 of the Original Plat of City of Napoleon, State of Ohio. Parcel Number 410094210640, 0.70 acres situated in the State of Ohio, County of Henry, City of Napoleon being all of Lot 4 of the Re-plat of Lots 25, 26 and 27 of the Original Plat of Napoleon, Township 5 North, Range 6 East, First Principal Meridian as recorded on Slide 360B (reference recorded in the Recorder's Office, Henry County, Ohio). The property is located in a C-1 General Commercial District.

- 5) Closing Remarks
- 6) Adjournment.



Roxanne Dietrich – Acting Clerk



City of Napoleon, Ohio

255 West Riverside Avenue, P.O. Box 151
Napoleon, OH 43847
Telephone: (419) 592-4010 Fax: (419) 599-8355
www.napoleonohio.com

Memorandum

To: Board of Zoning Appeals, City Council, Mayor, City Manager, City Finance Director, Law Director, Department Supervisors, News-media
From: Roxanne Dietrich, Acting Clerk *RD*
Date: August 05, 2022
Subject: Board of Zoning Appeals – Cancellation

The regularly scheduled meeting of the Board of Zoning Appeals set for Tuesday, August 9, 2022 at 4:30 pm has been CANCELED due to lack of agenda items.

AMP Update for July 29, 2022

American Municipal Power, Inc. <webmaster@ampppartners.org>

Fri 7/29/2022 4:25 PM

To: Roxanne Dietrich <rdietrich@napoleonohio.com>



July 29, 2022

AMP July Board meeting update

By Jolene Thompson – President/CEO

The AMP Board of Trustees met in person on July 20 and 21. The meeting was also available to Board and Committee members virtually.

In addition to regular monthly reports on projects and programs, a joint participants meeting was held virtually for the Hydro Phase I and Meldahl and Greenup projects, and the Board held a working lunch Member Roundtable where Members shared brief updates about local projects in their community. It was good to hear about the many initiatives taking place in our Member communities.

Below are brief, high-level updates from the meeting.

Finance Committee

PricewaterhouseCoopers presented their 2022 quarterly review of the consolidated financial statements report to the Board, which included a summary of the results of their audit work and other required communications. The Board adopted a resolution acknowledging receipt of the *First Quarter, 2022 Interim Consolidated Financial Statements Report*.

The Board adopted a resolution for a request made by the Village of Jackson Center to issue Bond Anticipation Notes to refinance improvements to the village's municipal electric system.

Solar Committee

Staff reported that generation for the Solar II project surpassed monthly projections by 2,000 MWh.

Hydro Power Projects Committee

Staff reported that water conditions for the hydro fleet were good for the month of June. Generation surpassed monthly projections for Smithland (by 16,928 MWh), Meldahl (by 12,756 MWh), Cannelton (by 10,971 MWh), Greenup (by 6,915) and Belleville (by 4,178 MWh).

Member Services Committee

Staff provided an update on regional safety meetings, a crisis management class scheduled for Aug. 4 and a webinar to be held on Aug. 11 by the Center for Energy Workforce Development

that will discuss the benefits available to AMP Members.

The AMP Annual Awards nomination deadline has been extended to Aug. 2, and registration is open for the AMP Annual Conference to be held Sept. 26-28 at the Hilton Easton Columbus. If you have questions regarding the awards or conference, please contact Amanda Smitley at asmitley@amppartners.org.

The next Board meeting will be held Aug. 17 and 18.

If you have any questions or need additional information about the Board meeting, please contact me at jthompson@amppartners.org or 614.540.1111.

Registration for the 2022 AMP Annual Conference open

By Amanda Smitley – member events and program manager

Registration is now open for the 2022 AMP Annual Conference, set to take place Sept. 26-28 at the Hilton Columbus at Easton. The conference is the premier event to learn about industry trends, participate in discussions on current challenges and innovations in public power, hear from industry leaders and receive updates on AMP programs.

Please note, the room block at the Hilton Columbus at Easton is set for Saturday, Sept. 24 to Wednesday, Sept. 28. If your selection indicates a lack of available rooms, be sure to press the "click here" button to adjust dates and book a room.

This year's conference is a hybrid format, similar to last year's event — offering a full in-person experience as well as a virtual experience. To view the agenda, [click here](#). Registration is online only and [available here](#) or on the [conference page](#) of the [AMP website](#). If you have questions about conference or registration, please contact me at 614.540.6403 or asmitley@amppartners.org.



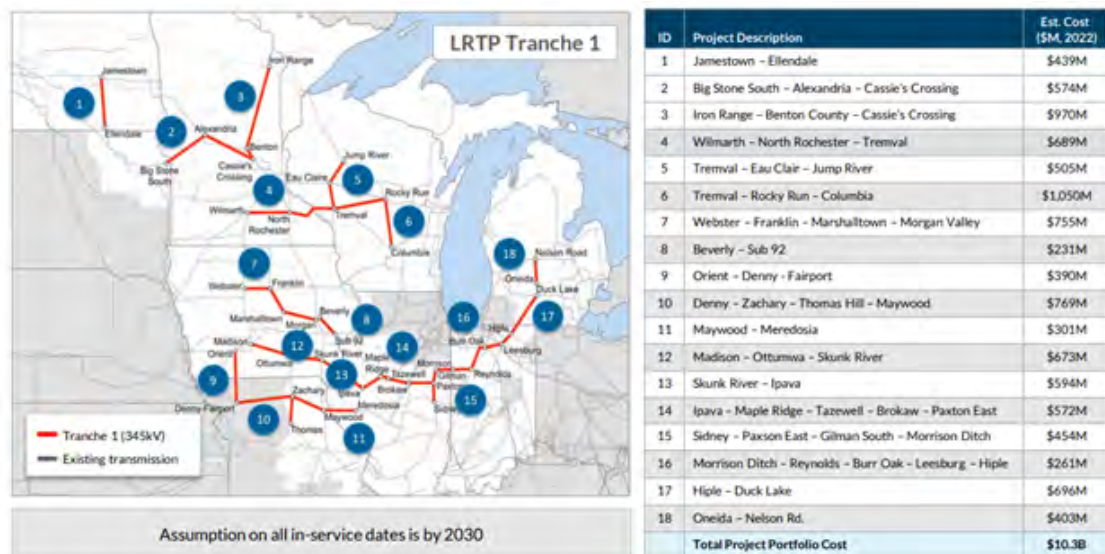
REGISTER HERE

MISO Board approved *Long Range Transmission Planning Tranche 1 Portfolio*

By Shirley Schultz – manager of MISO regulatory affairs

On July 25, the MISO Board of Directors voted to approve the *MISO Transmission Expansion Plan 2021 Report Addendum: Long Range Transmission Planning (LRTP) Tranche 1 Portfolio*. As part of MISO's Reliability Imperative, long range transmission planning provides orderly and timely regional transmission expansion given the changing resource portfolio.

The Tranche 1 Portfolio provides a set of least regrets solutions focused on meeting portfolio changes of members and states. Tranche 1, the first set of LRTP projects, is the culmination of more than two years of planning activities, as well as numerous meetings and stakeholder engagement. The Tranche 1 Portfolio includes 18 projects across the MISO Midwest subregion estimated at \$10.3 billion. Current analysis indicates total economic benefits of the Tranche 1 Portfolio significantly exceed costs, delivering a benefit to cost ratio of at least 2.2. The benefits will be broadly distributed across the MISO Midwest subregion. It is expected that all projects will have an in-service date by 2030.



Energy market update

By Jerry Willman – assistant vice president of energy marketing

The August 2022 natural gas contract decreased \$0.42/MMBtu to close at \$8.134 yesterday. The EIA reported an injection of 15 Bcf for the week ending July 22, which was lower than market expectations of 25 Bcf. Last year was an injection of 38 Bcf and the five-year average was 32 Bcf. Storage is now 2,709 Bcf, 10.8 percent below a year ago and 12.5 percent below the five-year average.

On-peak power prices for 2023 at AD Hub closed yesterday at \$81.10/MWh, which was \$0.60/MWh higher for the week.

On Peak (16 hour) prices into AEP/Dayton

Week ending July 29

MON	TUE	WED	THU	FRI
\$113.41	\$103.86	\$115.03	\$114.81	\$106.03

Week ending July 22

MON	TUE	WED	THU	FRI
\$103.99	\$122.51	\$142.62	\$144.40	\$142.93

Week ending July 30, 2021

MON	TUE	WED	THU	FRI
\$52.67	\$59.00	\$53.76	\$46.17	\$41.35

AEP/Dayton 2023 5x16 price as of July 28 — \$81.10

AEP/Dayton 2023 5x16 price as of July 21 — \$80.50

AFEC weekly update

By Jerry Willman

The AMP Fremont Energy Center (AFEC) was in 2x1 configuration for the week. Duct firing operated for 109 hours this week. The plant ran 24/7 based on PJM economics. For the week, the plant generated at an 86.2-percent capacity factor (based on 675-MW rating).

Inflation Reduction Act of 2022 to include beneficial public power provisions

By Michael Beirne – vice president of external affairs

On July 27, U.S. Senator Joe Manchin (D-WV) and Senate Majority Leader Chuck Schumer (D-NY) struck a deal on the *Inflation Reduction Act of 2022*. The surprise announcement would replace the *Build Back Better Act* and lays the groundwork for Congressional Democrats to adopt the proposal through the reconciliation process, where only 50 votes are needed to move legislation.

The 725-page bill includes a wide array of energy proposals, including \$370 billion in tax credits to help stimulate the adoption of clean energy technologies. The package includes clean energy tax credits, electric vehicle incentives, domestic clean energy manufacturing, environmental justice provisions, a methane fee on oil and gas production, new funding for transmission infrastructure and other provisions.

As it pertains to public power, beneficial direct pay provisions and positive changes to the 45Q tax credit are included in this package. Direct pay would provide a comparable incentive for not-for-profit utilities to make investments. The 45Q tax credit would provide an incentive for fossil fuel generators to consider carbon capture and sequestration. Both have been key issues that AMP has been advocating for and is pleased to see included in the bill.

If the proposal is to be enacted, Congress will have a tight window to pass it. An August recess will begin shortly, which has traditionally been the end of most legislative work for the year. It is expected that Democrats will not have Republican support. Procedurally, this means that all 50 Senate Democrats must vote for the proposal (with Vice President Harris to break any tie). In the U.S. House, the caucus can only lose a total of four House Democrats for the proposal to pass.

Additional information, including a copy of the proposed legislation, can be found [here](#).

AMP will provide additional information as it becomes available and as review continues. If you have any questions or need additional information, please contact me at 614.540.0835 or mbeirne@amppartners.org.

PricewaterhouseCoopers, LLP issues AMP Consolidated Financial Statements Report for Year Ending December 2021

By Dan Remlinger – vice president of finance



The independent accounting firm of PricewaterhouseCoopers, LLP (PWC), has completed their review of AMP's financial statements and has issued their *Consolidated Financial Statements Report for the Year Ending December 2021*. The review included an audit of consolidated financial statements from AMP and its subsidiaries, including statements of revenues and expenses, changes in member and patron equities and cash flows for the December 2020-2021 period.

A copy of the report is available [here](#) on the [Member Extranet](#) (login required). If you have questions about the report, please contact me at 614.540.0998 or dremlinger@amppartners.org.



AMP to hold Center for Energy Workforce Development webinar

*By Steve Dupee – assistant vice president of energy
efficiency and programs*

AMP will hold a one-hour webinar on Aug. 11 at 11 a.m. to present an overview of the Center for Energy Workforce Development (CEWD) membership resources that are available to all AMP members. The CEWD is a non-profit consortium of energy companies, associations, unions, educational institutions and government entities working in partnership to ensure a skilled, diverse workforce pipeline for the energy industry.

Kristie Kelly, CEWD workforce development director, will share information on the CEWD's mission, access to workforce development resources, guides and templates, energy career promotion, attraction and skill-building, networking opportunities and other workforce development support offered through CEWD membership.

To register for the webinar, please contact Jada Williams, member services and risk administrative coordinator, at 614.540.0840 or jwilliams@amppartners.org. For information about the CEWD, visit www.CEWD.org.

AMP to hold Crisis Prevention Institute Crisis and Verbal De- Escalation Certification Training

By Kyle Weygandt – director of member safety

AMP will hold a Crisis Prevention Institute (CPI) *Crisis and Verbal De-Escalation Certification Training* on Aug. 4 at AMP headquarters in Columbus. The training session will take place from 8 a.m. to 12:15 p.m. Attendees must [register here](#) by Aug. 1.

During this training, attendees will build the knowledge and skills needed to recognize and manage crisis behaviors they may encounter in the workplace. The training equips staff with de-

escalation skills and non-restrictive intervention techniques, giving them the confidence and competence to manage escalating behaviors. This program is ideal for facilities and roles with hands-off policies, or for staff who do not experience situations that warrant physical interventions.

If you have questions about this training, please contact me at 330.323.1269 or kweygandt@amppartners.org.

AMP holds virtual safety training course

By Steve Mutchler – safety/OSHA compliance coordinator

On June 21, AMP conducted the virtual training course *Oops, It Happened Again*. In this course, attendees learned about how close calls and near misses can serve as predictive indicators for potential injuries and accidents.

If you were unable to attend, a video recording will be posted to the [Member Extranet](#) (login required) and the AMP YouTube channel (links available to Members upon request). If you have any questions, need assistance accessing the Member Extranet or would like the YouTube link, please contact Jennifer Flockerzie, manager of technical services logistics at 614.540.0853 or jflockerzie@amppartners.org.

AMP TECHNICAL AND SAFETY TRAINING WEBINAR SCHEDULE

In an effort to provide all members with high-quality training opportunities, AMP is continuing to offer trainings in a webinar format. Please see the schedule below; we will continue to update it as needed.

Aug. 19 Fire Prevention at Work and Home Instructor: Sandi Sherwood	Oct. 11 24/7 Preparedness Instructor: Kyle Weygandt
Sept. 6 Fall Safety Tips Instructor: Kyle Weygandt	Nov. 4 Holiday Safety Tips Instructor: Darren Westenberg

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For more information on the AMP Training Program or to access the virtual training webinars, please contact Jennifer Flockerzie, AMP's manager of technical services logistics, at jflockerzie@amppartners.org.



Mohamed Abdiraghe joins AMP as accountant

By Dan Remlinger – vice president of finance

Mohamed Abdiraghe joined AMP on July 25 as an accountant. In this role, Abdiraghe will complete a variety of accounting tasks, including closing assigned AMP entities from start to finish by preparing journal entries and financial statements as well as the associated analysis, and balancing sheet reconciliations to a broader function such as cash or fixed assets for the entire group of companies.

Prior to joining AMP, Abdiraghe served as financial analyst for T-Cetra, LLC, where he prepared and maintained all budgeting, forecasting and financial modeling activities for the business. He holds an associate degree in accounting technology from Central Ohio Technical College and a Bachelor of Science in accounting and finance from Franklin University.

Please join me in welcoming Mohamed to AMP.



Lynn Horning joins AMP as director of PJM regulatory affairs

By Steve Lieberman – vice president of transmission and regulatory affairs



Lynn Horning joined AMP on July 25 as director of PJM regulatory affairs. In this role, Horning will increase AMP's presence and influence in the PJM stakeholder processes and at the Federal Energy Regulatory Commission and Department of Energy, while apprising AMP and members of the latest rules and developments.

Prior to joining AMP, Horning served as a consultant in PJM market intelligence for Customize3d Energy Solutions, LLC, where she served as a subject-matter expert on capacity markets, energy markets, demand response and more. She holds a Master of Business Administration from Villanova University and a Bachelor of Arts in economics and history from the State University of New York at Binghamton.

Please join me in welcoming Lynn to AMP.

Todd Scarborough joins AMP as director of environmental compliance

By John McGreevy – director of environmental compliance



Todd Scarborough joined AMP on July 25 as director of environmental compliance. In this role, Scarborough will be responsible for the management and support of AMP's environmental programs and activities and will assist with associated regulatory policy.

Prior to joining AMP, Scarborough held various roles in industry including manager of environmental compliance and sustainability (BASF-Greenville), principal environmental representative (Eastman Chemical), senior HES professional (Marathon Petroleum Corporation) in addition to 23 years with the Ohio Environmental Protection Agency. He holds a Bachelor of Arts in physics from The Ohio State University.

Please join me in welcoming Todd to AMP.



Protect yourself from MFA prompt bombing

Article provided by KnowBe4

Multi-factor authentication (MFA) provides an extra layer of security for your accounts, but it is important to think before you click.

Cybercriminals can use an attack method called MFA prompt bombing to get around MFA protections and overwhelm you with prompts via email, text message or phone call.

For example, cybercriminals may attempt to log into an account using your credentials. Then, they will request a phone call MFA verification, which is sent to the phone number you use for MFA. Cybercriminals will often request these verifications late at night when you are asleep and unprepared. If you accept the phone call and press the button to verify your identity, you may grant the cybercriminals access to your account. Once the cybercriminals bypass your MFA, they can use your account to achieve their malicious goals.

Do not let MFA give you a false sense of security. Follow the tips below to stay safe from MFA prompt bombing scams:

- Never approve an MFA notification that you did not request. If you have a shared account, verify the MFA request with the other account holder before taking action.
- If you receive an MFA notification you did not request, immediately change your password for the associated account. You should also consider updating your passwords for any accounts that use the same credentials.
- Create unique, strong passwords for each of your accounts. Without your password, it is difficult for cybercriminals to reach the MFA step of the login process.

KnowBe4 is the world's largest integrated platform for security awareness training combined with simulated phishing attacks.

Focus Forward 2022 Webinar Series

To register, contact Erin Miller, assistant vice president of energy policy and sustainability, at 614.540.1019 or by email at emiller@amppartners.org.

November 9, 10 a.m.

Federal funding opportunities for grid modernization, resilience, and maximizing distributed energy resources

The Focus Forward Advisory Council has identified these topics to help educate and inform AMP's members about emerging industry trends and to prepare for further integration of distributed energy resources.



Classifieds

Members interested in posting classifieds in *Update* may send a job description with start and end advertisement dates to zhoffman@amppartners.org. There is no charge for this service.

City of Marshall seeks senior lineworker

The City of Marshall is seeking applicants for the full-time position of senior lineworker. This position is responsible for the construction and maintenance of all overhead and underground distribution lines and services, and responds for power outage service restoration and repairs street/parking lot lights. Successful candidates must have a Journeyman Lineworker Certification and a valid Michigan driver's license with CDL endorsement. Compensation for this position is \$40.62 per hour, plus a full benefit package. Applications and the full job description are available online at www.cityofmarshall.com. Applications must be submitted by no later than Aug. 10. EOE

City of Hubbard to offer competitive examination for utilities lineworker trainee

The City of Hubbard has scheduled a competitive examination for the position of utilities lineworker trainee on Aug. 8 at 6 p.m. (doors open at 5:30 p.m.) in the Hubbard Municipal Building's Senior Center. Applications must be made on the regular application form obtainable from the Mayor's Office at the City of Hubbard Administration Building, 220 W. Liberty St, Hubbard, OH 44425. Applications may be obtained and filed during the period of June 27 through Aug. 3, 3 p.m. Late applications will not be accepted.

Applicants must be a U.S. Citizen or persons who have legally declared their intentions of becoming U.S. citizens or who possess a valid permanent resident ID card (ORC 124.22 & ORC 124.23). The successful candidate must be able to work with and assist higher-class utility workers, as an on-the-job trainee, in the servicing, repair and maintenance of the city's electrical systems, including, but not limited to: installing, removing and repairing poles, anchors, towers, conductors and other related equipment. The trainee must be able to perform routine shop work; operate power driven tools; place and maintain barricades; act as a safety worker when directing traffic around work or when poles are being hauled; load, unload and move poles, line, materials, equipment and tools; work in a safe manner and keep shop and job sites clean and orderly.

This is a class 3, trainee 1 position with a beginning hourly rate of \$15.33 per hour, based on the tier system specified in the collective bargaining agreement between the City of Hubbard and the American Federation of State, County and Municipal Employees Ohio Council 8, AFL-CIO, Local 1256.

To see the full examination notice, [click here](#).

City of Bowling Green seeks applicants for three positions

Water treatment plant operator

The City of Bowling Green is seeking applicants of the position of water treatment plant operator. This position is responsible for the safe, efficient and compliant operation and maintenance of the city's water treatment plant. The operator will perform laboratory analyses; oversee plant operations; collect and test water samples; inspect the plant and equipment, and make necessary adjustments; ensure proper levels of clearwell and water towers; record chemical feed amounts, meter readings and plant flow; maintain records; clean and paint; train employees; perform preventive maintenance — both electrical and mechanical; handle hazardous and toxic chemicals; conduct tours; and perform other related duties as assigned. Candidates should have a high school diploma or equivalent, with three to five years of relevant experience desired. Candidates must also be able to obtain a Class I Ohio Environmental Protection Agency Water Treatment Certification within two years of hire and obtain Chemical Analysis Certification. This position works from a base of 40 hours per week (2,080 annual hours) with potential overtime, shift and certification pay. The job descriptions are available at the links below:

- [Pay Grade 5: Must be able to obtain a Class I OEPA Water Treatment Certification within 2 years of hire and obtain Chemical Analysis Certification](#)
- [Pay Grade 6: Must have a Class III OEPA Water Treatment Certification at the time of hire](#)

Employees accrue vacation leave and sick leave per the collective bargaining agreement which is available online at www.bgohio.org/bgeo. Employees can participate in group medical, dental and vision coverage on the first of the month following employment. Information on coverage is [available here](#). Retirement benefits are through the Ohio Public Employees Retirement System: www.opers.org.

Interested persons must complete an application packet that is available either by visiting the Department of Human Resources, 304 North Church Street, Bowling Green, OH 43402 or by accessing the online application [here](#). Resumes may be included, but will not substitute for a completed application packet. Application materials must be returned to the Department of Human Resources by one of the following methods: By email to humanresources@bgohio.org; by fax to 419.352.1262 or by U.S. Mail or hand-delivery to the address above. Office hours are Monday through Friday, 8 a.m. to 4:30 p.m. The city considers applicants for positions without regard to a person's actual or perceived, race, immigration status, source of income, color, religion, gender/sex, pregnancy, national origin, age, marital status, sexual orientation, creed, ancestry, disability, political ideology, veteran status, military status, gender expression, gender identity, family status, physical characteristics, HIV-status, genetic information or any other legally protected status. The deadline to submit an application is Aug. 5, 4:30 p.m. This position pays \$22.41-\$28.63 or \$23.53-\$30.04 per hour, depending on pay grade and qualifications. AA/EEO

Firefighter/paramedic

The City of Bowling Green is seeking applicants for the position of firefighter/paramedic. The City is building an eligibility list in order to fill vacancies in 2022. To be considered for this eligibility list, all testing and application materials must be completed by Aug. 12. The testing will be done through the National Testing Network (NTN). NTN scores must be valid (not expired) on the application deadline. Passing both the NTN's FireTEAM exam and the Firefighter Mile physical exam are required for this position. Candidates must submit verification that they currently hold valid/current certification of passing the NTN's Firefighter Mile and FireTeam exam with a minimum passing average score of at least 70; however, all sections of the NTN examination must be passed. Candidates who have tested with the NTN during the prior 12 months will need to apply their scores to Bowling Green's current posting in order to be considered. Any cost for taking these exams are the responsibility of the candidate. Section 7.01 of the Bowling Green Charter provides for an additional credit of 10 percent of a passing test score for honorably discharged veterans. A candidate's DD Form 214 documenting an honorable discharge must be submitted at the time of application in order to be eligible for the veteran's credit. This position requires a high school diploma or equivalent; Paramedic Certification, with preference given to those certified by the State of Ohio as a paramedic at the time of application; eligibility to work in the U.S.; and possession of a valid Ohio drivers license. Firefighter II Certification is not required, but is preferred. All new hires must serve a one-year probationary period. When a vacancy occurs in the entry level position of the Fire Division to be filled by appointment, the Civil Service Commission shall certify to the appointing authority the names of the five persons standing highest on the eligibility list for such position. The appointing officer shall appoint one of such persons to such position. See a copy of the full posting [here](#).

Interested persons must complete an application packet that is available either by visiting the Department of Human Resources, 304 North Church Street, Bowling Green, OH 43402 or by accessing the online application [here](#). Resumes may be included but will not substitute for a completed application packet. Application materials must be returned to the Department of Human Resources by one of the following methods: By email to humanresources@bgohio.org; by fax to 419.352.1262 or by U.S. Mail or hand-delivery to the address above. Office hours are Monday through Friday, 8 a.m. to 4:30 p.m. The city considers applicants for positions without regard to a person's actual or perceived, race, immigration status, source of income, color, religion, gender/sex, pregnancy, national origin, age, marital status, sexual orientation, creed, ancestry, disability, political ideology, veteran status, military status, gender expression, gender identity, family status, physical characteristics, HIV-status, genetic information or any other legally protected status. The deadline to submit an application is Aug. 12, 4:30 p.m. This position pays \$22.08 per hour. AA/EEO

Arborist

The City of Bowling Green is seeking applicants for the position of arborist. This salaried, exempt position is responsible for planning, organizing and directing all activities related to the acquisition, planting, maintaining, removing of trees on City properties and rights of way and removal of certain private property trees that are determined to be a menace to public property or welfare. The arborist provides support to the Bowling Green Tree Commission and management of the city's urban trees and assists other departments in related activities; works primarily at the community level, provides technical guidance and supervises urban forestry activities; develops, administers plans/procedures including policies, objectives, long- and short-term maintenance schedules and yearly tree acquisition and planning program(s); coordinates all activities with the Tree City USA program; establishes a removal/replacement policy for public trees; writes and administers an urban forestry plan; serves as liaison and coordinator between city departments and neighborhood associations and other groups regarding the urban forestry plan and other tree service activities; plans, organizes and directs the work activities of employees engaged in tree/shrub maintenance; creates electrical line clearance work plans; maintains and enforces the city's tree ordinances and tree care policies; analyzes data and compiles reports; maintains the budget; prepares and presents educational opportunities; attends committee meetings; and performs other related tasks as assigned. This position requires a bachelor's degree in urban forestry, arboriculture, forest management horticulture, agriculture or other related field required and three years of administrative experience in forestry, tree care and maintenance. Must possess a valid Ohio driver's license; must be able to drive and must obtain International Society of Arboriculture certification within six months of hire. A copy of the job description will be provided to applicants but is available [here](#). Employees accrue vacation leave and sick leave per city ordinances. Employees can participate in group medical, dental and vision coverage, first of the month following employment. Information is available [here](#). Retirement benefits are through the Ohio Public Employees Retirement System: www.opers.org.

Interested persons must complete an application packet that is available either by visiting the Department of Human Resources, 304 North Church Street, Bowling Green, OH 43402 or by accessing the online application [here](#). Resumes may be included but will not substitute for a completed application packet. Application materials must be returned to the Department of Human Resources by one of the following methods: By email to humanresources@bgohio.org; by fax to 419.352.1262 or by U.S. Mail or hand-delivery to the address above. Office hours are Monday through Friday, 8 a.m. to 4:30 p.m. The city considers applicants for positions without regard to a person's actual or perceived, race, immigration status, source of income, color, religion, gender/sex, pregnancy, national origin, age, marital status, sexual orientation, creed, ancestry, disability, political ideology, veteran status, military status, gender expression, gender identity, family status, physical characteristics, HIV-status, genetic information or any other legally protected status. The deadline to submit an application is Aug. 1, 4:30 p.m. This position pays \$74,000 to \$78,000 per year. AA/EEO

Opportunities available at AMP

AMP is seeking applicants for the following positions:

- Director of transmission operations
- Generation operations plant engineering intern — AFEC
- Senior accountant
- Senior transmission accountant
- Transmission engineer