

JANUARY 2021

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4 7:00 pm – City Council	5	6	7	8	9
10	11 6:15 pm –Electric Committee BOPA 7:00 pm –Water/Sewer Committee	12	13	14	15	16
17	18 6:00 pm – Park Rec Committee 6:00 pm – Tree Commission 7:00 pm – City Council	19	20	21	22	23
24	25 6:00 pm – Vol Peace Officers Dependents Fund Board 6:15 pm –Vol Firefighter Dependent’s Fund Board 6:30 pm–Finance & Budget Comm. 7:30 pm–Safety & Human Resources Committee	26 4:30 pm–Civil Service Commission	27 6:30 pm–Park and Rec Board	28	29	30

City of Napoleon, Ohio

ELECTRIC COMMITTEE

Meeting Agenda

Monday, January 11, 2021 at 6:15 pm

LOCATION: Council Chambers, 255 West Riverview Avenue, Napoleon, Ohio
The WebEx link to the meeting will be posted at www.napoleonohio.com

- 1) Approval of Minutes: November 09, 2020 (In the absence of any objections or corrections, the Minutes shall stand approved)
- 2) Review/Approval of the Power Supply Cost Adjustment Factor for January 2021: PSCA 3-month averaged factor \$0.02531; JV2 \$0.021285
- 3) Update on Substations
- 4) Electric Department Reports
- 5) Any other matters to come before the Committee
- 6) Adjournment

Roxanne Dietrich

Roxanne Dietrich- Clerk of Council

City of Napoleon, Ohio
ELECTRIC COMMITTEE MEETING MINUTES
Monday, November 9, 2020 at 6:15 pm

PRESENT

Committee Members	Lori Siclair-Chair, Ross Durham, Joe Bialorucki-via WebEx
BOPA Members	Mike DeWit-Chair, Dr. David Cordes, Rory Prigge
City Manager	Joel L. Mazur
Clerk of Council	Roxanne Dietrich

ABSENT

CALL TO ORDER

Chairperson Siclair called the Electric Committee meeting to order at 6:15 pm.

APPROVAL OF MINUTES

The minutes from the October 12, 2020 Electric Committee meeting were approved as presented.

POWER SUPPLY COST ADJUSTMENT FACTOR FOR NOVEMBER 2020: PSCA 3-MONTH AVERAGED FACTOR \$0.01266 AND JV2 \$0.020715

Mazur reported we are getting close to end of the Morgan Stanley contract expiring. Last month we were at .1135/kW. The rates will go up close to 12 cent range per kW. We are relatively back to normal. You will see in a lot of the budgets that when the Morgan Stanley contract comes off, the electric cost will be cut down to about 8%. That is the estimate, the power rates forecast for 2021. This year, the power rates were at 87.00/MWh. The projection for 2021 is the power rates will be at approximately \$80.00/MWh. We will still have some increases in the transmission fees. Dr. Cordes asked where is the distribution portion at? Mazur replied they do not have that on here because that is our cost, that is our budget. This is just for our AMP billing purpose. We are at the 8% or more and will have a drop in the rates. That is the one everyone wants to know, what is my cost? We looked at the month-by-month forecast details when we did the rate stabilizing. Today's power supply cost adjustment factor is based on September's bill. The month of September was forecasted we would be at \$994,000. In 2015 we entered into a five-year contract to purchase power off the market and this is our remaining requirements. It is still a good practice to enter into power purchase contracts but, the further you go out, the more you will pay as there is more risk for the supplier and they will factor in a risk cost. With a one-year year contract, you can usually get a cheaper energy price off the market if you buy it wholesale. What they did back then was they tried to lock-in rates for five years as all they saw at AMP were energy costs climbing and wanted to lock the costs in at the current rate. DeWit commented there is virtually no way to get this right all the time. Mazur said you usually get a better price with short contract terms. Right now, I think AMP will recommend to stay the course, to buy your remaining requirements a day ahead because the price is so low. Dr. Cordes said at that time, we were worried about energy prices going through the roof. Now there is a glut of energy. DeWit noted basically because of COVID and we are still not out of COVID as far as the impact on power. Dr. Cordes asked what happened with revoking the legislation that supported the power plants? Mazur said you mean HB6, it is still in discussion. Representative Hoops is the chair of HB6 review. I think they want to do a repeal and replace. Dr. Cordes asked will we get our green energy credits back? Mazur replied that is on the table. I still think there is a market for RECS. It has been coming up in the last couple of years, there is a demand and people want it. DeWit noted there is a good chance green energy will sell in the future. It seems like that is the way the political winds are going to go. Mazur said you are looking at \$4.00 to \$5.00/MWh for RECs (Renewable Energy Credit). Five years ago we were still projecting 3% load growth per year. Our load was reduced when B&B Molded Plastics left in 2016, they were a big user. We are climbing back. The water plant is using more. We have a lot of industry and houses. One thing we have learned with COVID, residential does not have as big of an impact as industry. On the other hand, residential has a bigger impact on

CITY OF NAPOLEON, OHIO - PSCAF

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

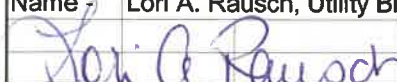
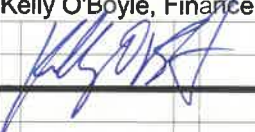
COMPUTATIONS WITH CORRECTED DATA FROM JULY, 2015, THROUGH MARCH, 2017

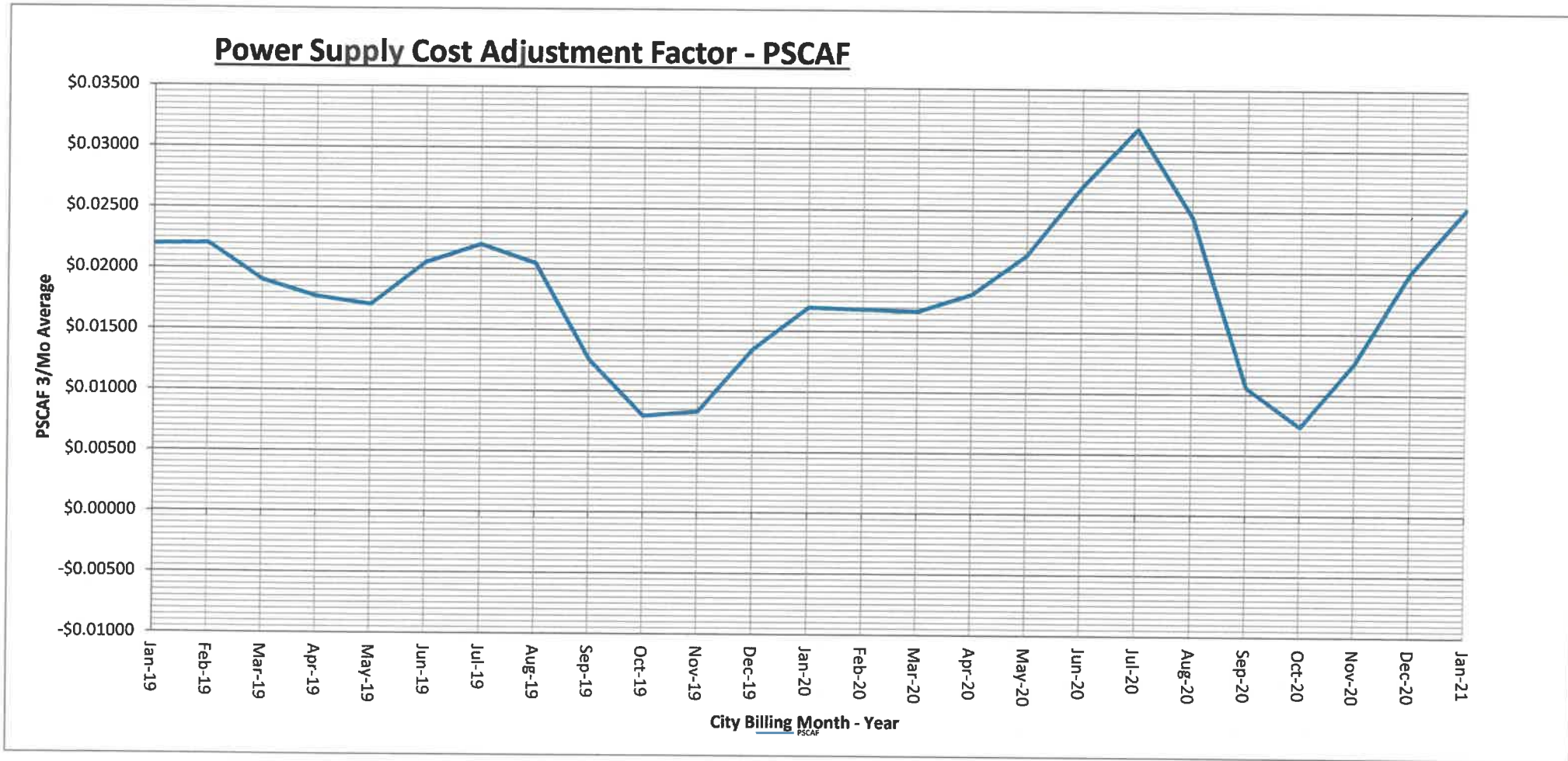
AMP Billed Usage Month	PSCAF City Billing Month	AMP - kWh Delivered As Listed on AMP Invoices	Purchased Power Supply Costs (*=Net of Known) (+ OR - Other Cr's)	Rolling 3-Month Totals		Rolling 3 Month Average Cost	Less: Fixed Base Power Supply Cost	PSCA Dollar Difference + or (-)	PSCA-Corrtd. 3 MONTH AVG.FACTOR + Line Loss	Total Residential Cost / kWh For Month
				Current + Prior 2 Months						
				kWh	Cost					
				(a)	(b)					
		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	
Nov'18	Jan'19	12,694,035	\$ 1,177,330.24	38,716,898	\$ 3,576,507.93	\$ 0.09238	\$ (0.07194)	\$ 0.02044	\$ 0.02197	
Dec'18	Feb'19	12,936,598	\$ 1,175,315.11	38,457,726	\$ 3,554,506.33	\$ 0.09243	\$ (0.07194)	\$ 0.02049	\$ 0.02203	
Jan'19	Mar'19	13,516,644	\$ 1,157,412.90	39,147,277	\$ 3,510,058.25	\$ 0.08966	\$ (0.07194)	\$ 0.01772	\$ 0.01905	
Feb'19	Apr'19	12,112,198	\$ 1,076,627.71	38,565,440	\$ 3,409,355.72	\$ 0.08840	\$ (0.07194)	\$ 0.01646	\$ 0.01769	
Mar'19	May'19	12,476,648	\$ 1,111,471.41	38,105,490	\$ 3,345,512.02	\$ 0.08780	\$ (0.07194)	\$ 0.01586	\$ 0.01705	
Apr'19	June'19	10,913,916	\$ 1,043,515.66	35,502,762	\$ 3,231,614.78	\$ 0.09102	\$ (0.07194)	\$ 0.01908	\$ 0.02051	
May'19	July'19	11,554,553	\$ 1,074,988.04	34,945,117	\$ 3,229,975.11	\$ 0.09243	\$ (0.07194)	\$ 0.02049	\$ 0.02203	
June'19	Aug'19	12,448,976	\$ 1,059,406.09	34,917,445	\$ 3,177,909.79	\$ 0.09101	\$ (0.07194)	\$ 0.01907	\$ 0.02050	
July'19	Sep'19	15,467,755	\$ 1,165,669.13	39,471,284	\$ 3,300,063.26	\$ 0.08361	\$ (0.07194)	\$ 0.01167	\$ 0.01255	
Aug'19	Oct'19	14,297,705	\$ 1,123,690.94	42,214,436	\$ 3,348,766.16	\$ 0.07933	\$ (0.07194)	\$ 0.00739	\$ 0.00794	
Sep'19	Nov'19	12,810,364	\$ 1,102,711.16	42,575,824	\$ 3,392,071.23	\$ 0.07967	\$ (0.07194)	\$ 0.00773	\$ 0.00831	
Oct'19	Dec'19	12,026,480	\$ 1,080,410.22	39,134,549	\$ 3,306,812.32	\$ 0.08450	\$ (0.07194)	\$ 0.01256	\$ 0.01350	0.1230
Nov'19	Jan'20	12,466,183	\$ 1,088,822.82	37,303,027	\$ 3,271,944.20	\$ 0.08771	\$ (0.07194)	\$ 0.01577	\$ 0.01695	0.1245
Dec'19	Feb'20	12,809,184	\$ 1,098,513.89	37,301,847	\$ 3,267,746.93	\$ 0.08760	\$ (0.07194)	\$ 0.01566	\$ 0.01683	0.1239
Jan' 20	Mar' 20	12,907,445	\$ 1,152,024.27	38,182,812	\$ 3,339,360.98	\$ 0.08746	\$ (0.07194)	\$ 0.01552	\$ 0.01668	0.1238
Feb' 20	Apr' 20	12,179,274	\$ 1,114,393.10	37,895,903	\$ 3,364,931.26	\$ 0.08879	\$ (0.07194)	\$ 0.01685	\$ 0.01811	0.1262
Mar 20	May 20	11,565,546	\$ 1,098,886.88	36,652,265	\$ 3,365,304.25	\$ 0.09182	\$ (0.07194)	\$ 0.01988	\$ 0.02137	0.1299
Apr 20	June 20	9,957,773	\$ 1,056,718.07	33,702,593	\$ 3,269,998.05	\$ 0.09703	\$ (0.07194)	\$ 0.02509	\$ 0.02697	0.1371
May 20**	July 20	10,376,392	\$ 982,279.17	31,899,711	\$ 3,137,884.12	\$ 0.09837	\$ (0.07194)	\$ 0.02643	\$ 0.02841	0.1365
Jun 20	Aug 20	13,172,159	\$ 1,136,941.54	33,506,324	\$ 3,175,938.78	\$ 0.09479	\$ (0.07194)	\$ 0.02285	\$ 0.02456	0.1330
Jul 20***	Sept 20	15,755,589	\$ 1,211,781.98	39,304,140	\$ 3,331,002.69	\$ 0.08475	\$ (0.07194)	\$ 0.01281	\$ 0.01056	0.1154
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
Sept 20†	Nov 20	11,744,934	\$ 1,103,481.59	41,771,691	\$ 3,497,298.06	\$ 0.08372	\$ (0.07194)	\$ 0.01178	\$ 0.01266	0.1229
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	

** Reduction of \$100,000 from actual invoice from AMP to be taken from reserve as approved by Council to lessen PSCAF for month due to COVID-19 Pandemic.

*** reduced PSCAF for Sept 20 from \$.01377 to \$.01056 to reflect corrected PSCAF with adjustment for Aug 20 by -\$0.003210 to incorporate the \$100,000 with the three month rolling average

†November 2020 PSCAF is up because the approved credits/adjustments are now off of the three month rolling average

PSCAF - Preparers Signature:				PSCAF - Reviewers Signature:			
Name -	Lori A. Rausch, Utility Billing Administrator			Name -	Kelly O'Boyle, Finance Director		
Signature				Signature			
Date	12/17/2020			Date	12/17/2020		



BILLING SUMMARY AND CONSUMPTION for BILLING CYCLE - January, 2021

2021 - JANUARY BILLING WITH NOVEMBER 2020 AMP BILLING PERIOD AND DECEMBER 2020 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	NOVEMBER, 2020	30		20.424					
City-System Data Month	DECEMBER, 2020	31							
City-Monthly Billing Cycle	JANUARY, 2021	31							
CONTRACTED AND OPEN MARKET POWER									
PEAKING									
HYDRO POWER									
PURCHASED POWER-RESOURCES ->	AMP CT	FREEMONT ENERGY	PRAIRIE STATE SCHED. @ PJMC	MORGAN STNLY REPLMNT.2015-20	NORTHERN POWER	JV-2 PEAKING	AMP-HYDRO CSW	MELDAHL-HYDRG SCHED. @	GREENUP HYDRG SCHED. @
	SCHED. @ ATSI	SCHEDULED	REPLMT@ PJMC	7x24 @ AD	POOL	SCHED. @ ATSI	SCHED. @ PJMC	MELDAHL BUS	GREENUP BUS
Delivered kWh (On Peak) ->	0	2,441,605	3,574,987	2,736,000		31	2,141,947	313,096	147,936
Delivered kWh (Off Peak) ->					3,032				
Delivered kWh (Replacement/Losses/Offset) ->									
Delivered kWh/Sale (Credits) ->					-2,672,202				
Net Total Delivered kWh as Billed ->	0	2,441,605	3,574,987	2,736,000	-2,669,170	31	2,141,947	313,096	147,936
<i>Percent % of Total Power Purchased-></i>	<i>0.0000%</i>	<i>20.9534%</i>	<i>30.6796%</i>	<i>23.4796%</i>	<i>-22.9061%</i>	<i>0.0003%</i>	<i>18.3816%</i>	<i>2.6869%</i>	<i>1.2695%</i>
COST OF PURCHASED POWER:									
DEMAND CHARGES (+Debits)									
Demand Charges	\$32,983.53	\$41,115.56	\$64,140.68			\$691.68	\$174,116.47	\$13,422.51	\$8,639.40
Debt Services (Principal & Interest)		\$43,487.87	\$114,388.92						
DEMAND CHARGES (-Credits)									
Transmission Charges (Demand-Credits)	-\$49,280.84					-\$623.72			
Capacity Credit	-\$26,750.58	-\$19,240.53	-\$10,317.13			-\$628.02	-\$2,759.61	-\$1,905.55	-\$487.67
Sub-Total Demand Charges	-\$43,047.89	\$65,362.90	\$168,212.47	\$0.00	\$0.00	-\$560.06	\$171,356.86	\$11,516.96	\$8,151.73
ENERGY CHARGES (+Debits):									
Energy Charges - (On Peak)		\$68,606.08	\$28,364.18	\$172,231.20	\$0.00		\$77,110.08	\$11,271.45	\$1,331.42
Energy Charges - (Replacement/Off Peak)					\$60.20				
Net Congestion, Losses, FTR			\$7,374.52	\$453.95			\$4,430.92	\$4.63	-\$8.48
Transmission Charges (Energy-Debits)			\$11,971.78						
ESPP Charges									
Bill Adjustments (General & Rate Levelization)						\$2.28			
ENERGY CHARGES (-Credits or Adjustments):									
Energy Charges - On Peak (Sale or Rate Stabilization)					-\$56,872.86				
Net Congestion, Losses, FTR		\$576.06			-\$135.00				
Bill Adjustments (General & Rate Levelization)		-\$17.42					-\$12,851.68	-\$1,878.57	-\$887.62
Sub-Total Energy Charges	\$0.00	\$69,164.72	\$47,710.48	\$172,685.15	-\$56,947.66	\$2.28	\$68,689.32	\$9,397.51	\$435.32
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	-\$43,047.89	\$134,527.62	\$215,922.95	\$172,685.15	-\$56,947.66	-\$357.78	\$240,046.18	\$20,914.47	\$8,587.05
<i>Percent % of Total Power Cost-></i>	<i>-3.8656%</i>	<i>12.0802%</i>	<i>19.3892%</i>	<i>15.5066%</i>	<i>-5.1137%</i>	<i>-0.0501%</i>	<i>21.5554%</i>	<i>1.8781%</i>	<i>0.7711%</i>
Purchased Power Resources - Cost per kWh->	\$0.000000	\$0.055098	\$0.060398	\$0.063116	-\$0.021335	-\$17.992903	\$0.112069	\$0.066799	\$0.058046

BILLING SUMMARY AND CONS

2021 - JANUARY BILLING WITH NOVEMBER 20

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	2017 - 2020	Other Charges	Other Charges	LEVELIZATION	RESOURCES	
Delivered kWh (On Peak) ->	582,386	2,223,360	41,407	86,628	0	0	0	0	14,289,383	
Delivered kWh (Off Peak) ->									3,032	
Delivered kWh (Replacement/Losses/Offset) ->		32,444							32,444	
Delivered kWh/Sale (Credits) ->									-2,672,202	
Net Total Delivered kWh as Billed ->	582,386	2,255,804	41,407	86,628	0	0	0	0	11,652,657	
Percent % of Total Power Purchased->	4.9979%	19.3587%	0.3553%	0.7434%	0.0000%	0.0000%	0.0000%	0.0000%	100.0001%	
								Verification Total ->	100.0000%	
COST OF PURCHASED POWER:										
DEMAND CHARGES (+Debits)										
Demand Charges	\$6,471.35	\$22,942.25	\$1,025.10			\$193,999.12			\$559,547.65	
Debt Services (Principal & Interest)		\$55,381.81							\$213,258.60	
DEMAND CHARGES (-Credits)										
Transmission Charges (Demand-Credits)		-\$19,741.29	-\$848.31	-\$3,650.86					-\$74,145.02	
Capacity Credit	-\$2,198.63	-\$7,261.35	-\$152.67	-\$1,242.12					-\$72,943.86	
Sub-Total Demand Charges	\$4,272.72	\$51,321.42	\$24.12	-\$4,892.98	\$0.00	\$193,999.12	\$0.00	\$0.00	\$625,717.37	
ENERGY CHARGES (+Debits):										
Energy Charges - (On Peak)	\$6,357.18	\$41,670.42		\$3,147.20		\$7,992.70			\$418,081.91	
Energy Charges - (Replacement/Off Peak)									\$60.20	
Net Congestion, Losses, FTR	\$1,004.56								\$13,260.10	
Transmission Charges (Energy-Debits)									\$11,971.78	
ESPP Charges					\$20,659.88				\$20,659.88	
Bill Adjustments (General & Rate Levelization)									\$2.28	
ENERGY CHARGES (-Credits or Adjustments):										
Energy Charges - On Peak (Sale or Rate Stabilization)									-\$56,872.86	
Net Congestion, Losses, FTR									\$441.06	
Bill Adjustments (General & Rate Levelization)	-\$735.99								-\$16,371.28	
Sub-Total Energy Charges	\$6,625.75	\$41,670.42	\$0.00	\$3,147.20	\$20,659.88	\$7,992.70	\$0.00	\$0.00	\$391,233.07	
TRANSMISSION & SERVICE CHARGES, MISC.:										
RPM / PJM Charges Capacity - (+Debit)						\$87,127.77			\$87,127.77	
RPM / PJM Charges Capacity - (-Credit)									\$0.00	
Service Fees AMP-Dispatch Center - (+Debit/-Credit)									\$0.00	
Service Fees AMP-Part A - (+Debit/-Credit)							\$2,764.66		\$2,764.66	
Service Fees AMP-Part B - (+Debit/-Credit)							\$6,782.00		\$6,782.00	
Other Charges & Bill Adjustments - (+Debit/-Credit)									\$0.00	
Sub-Total Service Fees & Other Charges	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$87,127.77	\$9,546.66	\$0.00	\$96,674.43	
TOTAL NET COST OF PURCHASED POWER	\$10,898.47	\$92,991.84	\$24.12	-\$1,745.78	\$20,659.88	\$289,119.59	\$9,546.66	\$0.00	\$1,113,624.87	
Percent % of Total Power Cost->	0.9786%	8.3504%	0.0022%	-0.1568%	1.8552%	25.9620%	0.8573%	0.0000%	100.000%	
								Verification Total ->	\$1,113,624.87	
Purchased Power Resources - Cost per kWh->	\$0.018713	\$0.041223	\$0.000583	-\$0.020153	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.095568	
									\$0.021285	
									\$0.021285	

(Northern Pool Power - On-Peak + Off-Peak - Energy Charge/kWH) = JV2 Electric Service Rate ->

(Northern Pool Power - On-Peak + Off-Peak - Energy Charge/kWH) = JV5 Electric Service Rate ->



AMERICAN MUNICIPAL POWER, INC.

1111 Schrock Rd, Suite 100
COLUMBUS, OHIO 43229
PHONE: (614) 540-1111
FAX: (614) 540-1078

INVOICE NUMBER: 210693
INVOICE DATE: 12/14/2020
DUE DATE: 12/29/2020
TOTAL AMOUNT DUE: \$1,113,624.87
CUSTOMER NUMBER: 5020
CUSTOMER P.O. #: RG10046

City of Napoleon
Attn: Finance Director
255 W. Riverview Ave., P.O. Box 151
Napoleon, Ohio 43545-0151

PLEASE WRITE INVOICE NUMBER ON
REMITTANCE. MAKE CHECK PAYABLE TO AMP

Northern Power Pool Billing - November, 2020

MUNICIPAL PEAK: 20,424 kW
TOTAL METERED ENERGY: 11,693,103 kWh

Total Power Charges: \$814,958.62
Transmission / Capacity / Ancillary Services: \$289,119.59
Total Other Charges: \$9,546.66
Total Miscellaneous Charges: \$0.00

GRAND TOTAL POWER INVOICE: \$1,113,624.87

**** The Total Charges on this invoice may include a credit paid to the Municipal for power supply which was invoiced separately and repurchased by AMP for use as a Northern Power Pool Resource.**

NOTE: PLEASE SEE ENCLOSED BACKUP FOR MORE DETAILED INFORMATION

*** 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 0189-2204055
ABA: #044 000024

Mailing Address :
AMP, Inc.
Dept. L614
Columbus, Oh 43260

Notes:

If you have any questions regarding the detail on this invoice, please contact Mitch Gross at mgross@amppartners.org or at 614-540-0873.

DETAIL INFORMATION OF POWER CHARGES November , 2020
Napoleon

FOR THE MONTH OF:	November, 2020	Total Metered Load kWh:	11,693,103
		Transmission Losses kWh:	-40,446
		Distribution Losses kWh:	0
		Total Energy Req. kWh:	11,652,657
TIME OF FENTS PEAK:	11/30/2020 @ H.E. 14:00	COINCIDENT PEAK kW:	20,029
TIME OF MUNICIPAL PEAK:	11/24/2020 @ H.E. 13:00	MUNICIPAL PEAK kW:	20,424
TRANSMISSION PEAK:	July 19, 2019 15:00	TRANSMISSION PEAK kW:	30,346
		PJM Capacity Requirement kW:	27,039

Napoleon Resources

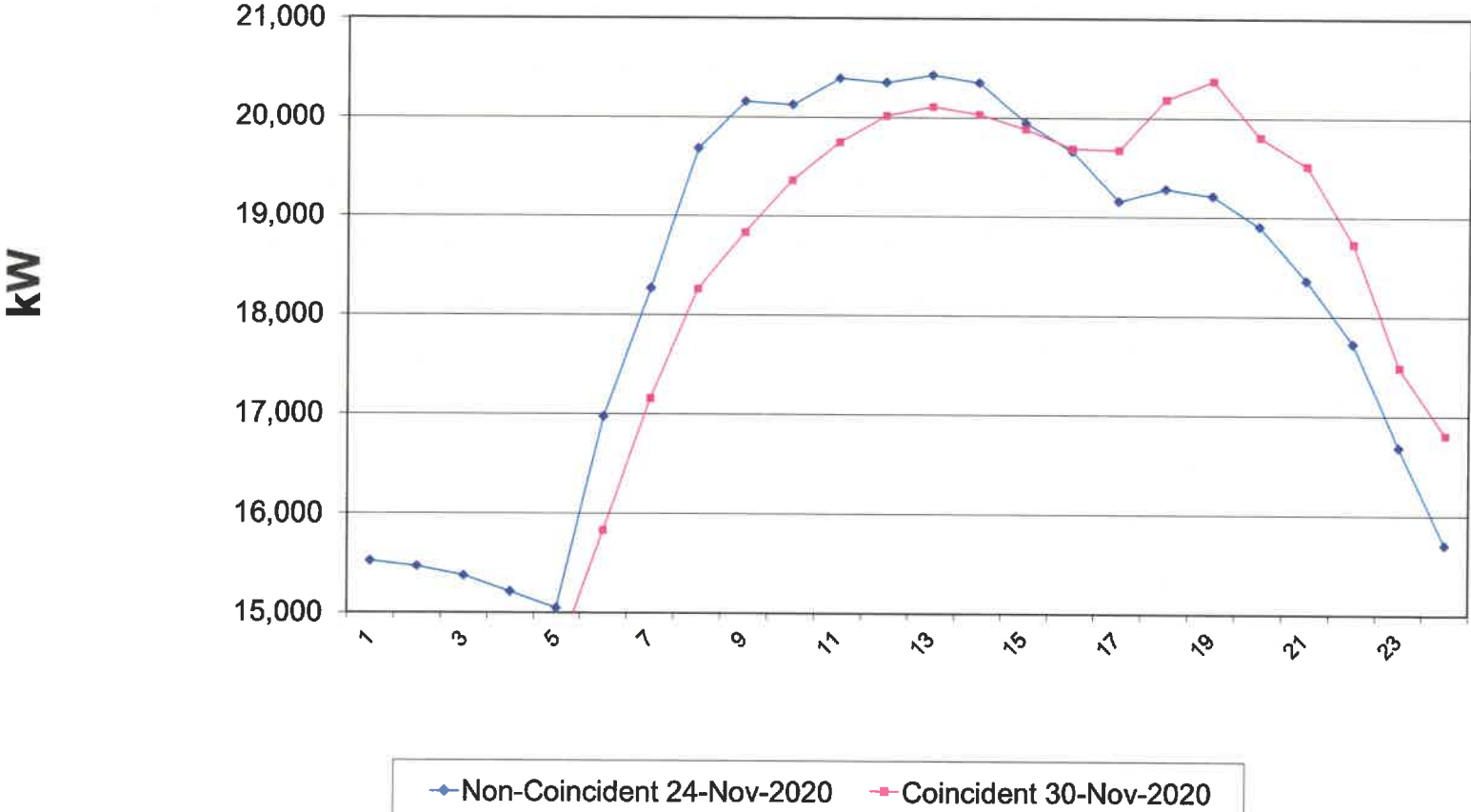
AMP CT - Sched @ ATSI				
Demand Charge:	\$2.659962	/ kW *	12,400 kW =	\$32,983.53
Transmission Credit:	\$3.974261	/ kW *	-12,400 kW =	-\$49,280.84
Capacity Credit:	\$2.157305	/ kW *	-12,400 kW =	-\$26,750.58
Subtotal			0 kWh =	-\$43,047.89
Fremont - sched @ Fremont				
Demand Charge:	\$4.689761	/ kW *	8,767 kW =	\$41,115.56
Energy Charge:	\$0.028099	/ kWh *	2,441,605 kWh =	\$68,606.08
Net Congestion, Losses, FTR:	\$0.000236	/ kWh *		\$576.06
Capacity Credit:	\$2.194631	/ kW *	-8,767 kW =	-\$19,240.53
Debt Service:	\$4.960354	/ kW	8,767 kW	\$43,487.87
Adjustment for prior month:				-\$17.42
Subtotal			2,441,605 kWh =	\$134,527.62
AMP Hydro CSW - Sched @ PJMC				
Demand Charge:	\$49.776006	/ kW *	3,498 kW =	\$174,116.47
Energy Charge:	\$0.036000	/ kWh *	2,141,947 kWh =	\$77,110.08
Net Congestion, Losses, FTR:	\$0.002069	/ kWh *		\$4,430.92
Capacity Credit:	\$0.788911	/ kW *	-3,498 kW =	-\$2,769.61
REC Credit (Estimate):	-\$0.006000	/ kWh	2,141,947 kWh	-\$12,851.68
Subtotal			2,141,947 kWh =	\$240,046.18
Meldahl Hydro - Sched @ Meldahl Bus				
Demand Charge:	\$26.631964	/ kW *	504 kW =	\$13,422.51
Energy Charge:	\$0.036000	/ kWh *	313,096 kWh =	\$11,271.45
Net Congestion, Losses, FTR:	\$0.000015	/ kWh *		\$4.63
Capacity Credit:	\$3.780853	/ kW *	-504 kW =	-\$1,905.55
REC Credit (Estimate):	-\$0.006000	/ kWh *	313,096 kWh =	-\$1,878.57
Subtotal			313,096 kWh =	\$20,914.47
JV6 - Sched @ ATSI				
Demand Charge:	\$3.417000	/ kW *	300 kW =	\$1,025.10
Energy Charge:			41,407 kWh	
Transmission Credit:	\$2.827700	/ kW *	-300 kW =	-\$848.31
Capacity Credit:	\$0.508900	/ kW *	-300 kW =	-\$152.67
Subtotal			41,407 kWh =	\$24.12
Greenup Hydro - Sched @ Greenup Bus				
Demand Charge:	\$26.180000	/ kW *	330 kW =	\$8,639.40
Energy Charge:	\$0.009000	/ kWh *	147,936 kWh =	\$1,331.42
Net Congestion, Losses, FTR:	-\$0.000057	/ kWh *		-\$8.48
Capacity Credit:	\$1.477788	/ kW *	-330 kW =	-\$487.67
REC Credit (Estimate):	-\$0.006000	/ kWh *	147,936 kWh =	-\$867.62
Subtotal			147,936 kWh =	\$8,587.05
Prairie State - Sched @ PJMC				
Demand Charge:	\$12.890008	/ kW *	4,976 kW =	\$64,140.68
Energy Charge:	\$0.007934	/ kWh *	3,574,987 kWh =	\$28,364.18
Net Congestion, Losses, FTR:	\$0.002063	/ kWh *		\$7,374.52
Capacity Credit:	\$2.073378	/ kW *	-4,976 kW =	-\$10,317.13
Debt Service:	\$22.988127	/ kW	4,976 kW	\$114,388.92
Transmission from PSEC to PJM/MISO, including non-Prairie State variable charges/credits:	\$0.003349	/ kWh	3,574,987 kWh	\$11,971.78
Subtotal			3,574,987 kWh =	\$215,922.95
NYPA - Sched @ NYIS				
Demand Charge:	\$6.884415	/ kW *	940 kW =	\$6,471.35
Energy Charge:	\$0.010916	/ kWh *	582,386 kWh =	\$6,357.18
Net Congestion, Losses, FTR:	\$0.001725	/ kWh *		\$1,004.56
Capacity Credit:	\$2.351476	/ kW *	-935 kW =	-\$2,198.63
Adjustment for prior month:				-\$735.99
Subtotal			582,386 kWh =	\$10,898.47
JV5 - 7X24 @ ATSI				
Demand Charge:	\$7.429485	/ kW *	3,088 kW =	\$22,942.25
Energy Charge:	\$0.018742	/ kWh *	2,223,360 kWh =	\$41,670.42
Transmission Credit:	\$6.392905	/ kW *	-3,088 kW =	-\$19,741.29
Capacity Credit:	\$2.351473	/ kW *	-3,088 kW =	-\$7,261.35
Debt Service (current month):	\$17.934524	/ kW	3,088 kW	\$55,381.81
Subtotal			2,223,360 kWh =	\$92,991.84
JV5 Losses - Sched @ ATSI				
Energy Charge:			32,444 kWh	
Subtotal			32,444 kWh =	\$0.00
JV2 - Sched @ ATSI				
Demand Charge:	\$2.620000	/ kW *	264 kW =	\$691.68
Energy Charge:			31 kWh	
Transmission Credit:	\$2.362576	/ kW *	-264 kW =	-\$623.72
Capacity Credit:	\$2.378864	/ kW *	-264 kW =	-\$628.02
JV2 Project Fuel Costs not recovered through Energy Sales to Market :				\$2.28

**DETAIL INFORMATION OF POWER CHARGES November, 2020
Napoleon**

<i>Subtotal</i>			31 kWh =	-\$557.78
AMP Solar Phase I - Sched @ ATSI				
Demand Charge:			1,040 kW	
Energy Charge:	\$0.036330 / kWh *		86,628 kWh =	\$3,147.20
Transmission Credit:				-\$3,650.86
Capacity Credit:	\$1.194346 / kW *		-1,040 kW =	-\$1,242.12
<i>Subtotal</i>			86,628 kWh =	-\$1,745.78
Morgan Stanley 2015-2020 - 7x24 @ AD				
Demand Charge:			3,800 kW	
Energy Charge:	\$0.062950 / kWh *		2,736,000 kWh =	\$172,231.20
Net Congestion, Losses, FTR:	\$0.000166 / kWh *			\$453.95
<i>Subtotal</i>			2,736,000 kWh =	\$172,685.15
Efficiency Smart Power Plant 2020-23				
ESPP 2020-2023 obligation @ \$1.650 /MWh x 150,253.7 MWh / 12:				\$20,659.88
<i>Subtotal</i>			0 kWh =	\$20,659.88
Northern Power Pool				
Off Peak Energy Charge:	\$0.019855 / kWh *		3,032 kWh =	\$60.20
Sale of Excess Non-Pool Resources to Pool:	\$0.021283 / kWh *		-2,672,202 kWh =	-\$56,872.86
Pool Congestion Hedge:				-\$135.00
<i>Subtotal</i>			-2,669,170 kWh =	-\$56,947.66
Total Demand Charges:				\$431,720.53
Total Energy Charges:				\$383,238.09
Total Power Charges:			11,652,657 kWh	\$814,958.62
TRANSMISSION / CAPACITY / ANCILLARY SERVICES				
Demand Charge:	\$6.392906 / kW *		30,346 kW =	\$193,999.12
Energy Charge:	\$0.000849 / kWh *		9,429,297 kWh =	\$7,992.70
RPM (Capacity) Charges:	\$3.222300 / kW *		27,039 kW =	\$87,127.77
TRANSMISSION / CAPACITY / ANCILLARY SERVICES:			9,429,297 kWh =	\$289,119.59
Service Fee Part A,				
Based on Annual Municipal Sales				
Service Fee Part B:	\$0.000229 / kWh *		144,873,225 kWh 1/12 =	\$2,764.66
Energy Purchases	\$0.000580 / kWh *		11,693,103 kWh =	\$6,782.00
TOTAL OTHER CHARGES:				\$9,546.66
GRAND TOTAL POWER INVOICE:				\$1,113,624.87

Napoleon Capacity Plan - Actual														
Nov	2020	ACTUAL DEMAND =		20.42	MW									
Days	30	ACTUAL ENERGY =		11,693	MWH									
	SOURCE	DEMAND	DEMAND	ENERGY	LOAD	DEMAND	ENERGY	CONGESTION/L	CAPACITY	TRANSMISSION	TOTAL	EFFECTIVE	%	
	(1)	MW	MW-MO	MWH	FACTOR	\$/KW	\$/MWH	\$/MWH	\$/KW	\$/KW	CHARGES	\$/MWH	OF	
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(16)	(17)	DOLLARS	
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(16)	(17)	(18)	
1	NYPA - Ohio	0.94	0.94	582	86%	\$6.88	\$9.65	\$1.72	-\$2.34	\$0.00	\$10,898	\$18.71	1.0%	
2	JV5	3.09	3.09	2,223	100%	\$25.36	\$18.74	\$0.00	-\$2.35	-\$6.39	\$92,992	\$41.82	8.4%	
3	JV5 Losses	0.00	0.00	32	0%	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0	\$0.00	0.0%	
4	JV6	0.30	0.30	41	19%	\$3.42	\$0.00	\$0.00	-\$2.83	-\$0.51	\$24	\$0.58	0.0%	
5	AMP-Hydro	3.50	3.50	2,142	85%	\$49.78	\$30.00	\$2.07	-\$0.79	\$0.00	\$240,046	\$112.07	21.6%	
6	Meldahl	0.50	0.50	313	86%	\$26.63	\$30.00	\$0.01	-\$3.78	\$0.00	\$20,914	\$66.80	1.9%	
7	Greenup	0.33	0.33	148	62%	\$26.18	\$3.00	-\$0.06	-\$1.48	\$0.00	\$8,587	\$58.05	0.8%	
8	AFEC	8.77	8.77	2,442	39%	\$9.65	\$28.09	\$0.24	-\$2.19	\$0.00	\$134,528	\$55.10	12.1%	
9	Prairie State	4.98	4.98	3,575	100%	\$35.88	\$11.28	\$2.06	-\$2.07	\$0.00	\$215,923	\$60.40	19.4%	
10	AMP Solar Phase I	1.04	1.04	87	12%	\$0.00	\$36.33	\$0.00	-\$1.19	-\$3.51	-\$1,746	-\$20.15	-0.2%	
11	Morgan Stanley 2015-2020 7x24	3.80	3.80	2,736	100%	\$0.00	\$62.95	\$0.17	\$0.00	\$0.00	\$172,685	\$63.12	15.5%	
12	AMPCT	12.40	12.40	0	0%	\$2.66	\$0.00	\$0.00	-\$2.16	-\$3.97	-\$43,048	\$0.00	-3.9%	
13	JV2	0.26	0.26	0	0%	\$2.62	\$0.00	\$0.00	-\$2.38	-\$2.36	-\$558	\$0.00	-0.1%	
14	NPP Pool Purchases	0.00	0.00	3	0%	\$0.00	-\$24.67	\$0.00	\$0.00	\$0.00	-\$75	-\$24.67	0.0%	
15	NPP Pool Sales	0.00	0.00	-2,672	0%	\$0.00	\$21.28	\$0.00	\$0.00	\$0.00	-\$56,873	\$21.28	-5.1%	
	POWER TOTAL	39.91	39.91	11,653	41%	\$578,807	\$348,744	\$1.19	-\$73,640	-\$73,449	\$794,299	\$68.16	71.5%	
16	Energy Efficiency			0		\$0.00	\$0.00				\$20,660	\$0.00	1.9%	
17	Installed Capacity	27.04	27.04			\$3.22					\$87,128	\$7.45	7.8%	
18	Transmission	30.35	30.35	9,429		\$6.39	\$0.85				\$201,992	\$17.27	18.2%	
19	Service Fee B			11,693			\$0.58				\$6,782	\$0.58	0.6%	
20	Dispatch Charge			11,693			\$0.00				\$0	\$0.00	0.0%	
	OTHER TOTAL										\$0	\$0.00		
	GRAND TOTAL PURCHASED			11,653							\$318,561	\$27.07	25.5%	
	Delivered to members	20,424	20,424	11,693	80%						\$1,110,860	\$95.00	100.0%	
	2020 Forecast	DEMAND		ENERGY	L.F.						TOTAL \$	\$/MWh	Avg Temp	
	2019 Actual	21.72		12,467	80%						\$1,051,105	\$84.31	41.2	
	2018 Actual	21.94		12,488	79%						\$1,086,000	\$86.96	37.6	
		22.14		12,710	80%						\$1,174,556	\$92.42	36.7	
											Actual Temp		47.3	

Napoleon Peak Day Load Curve

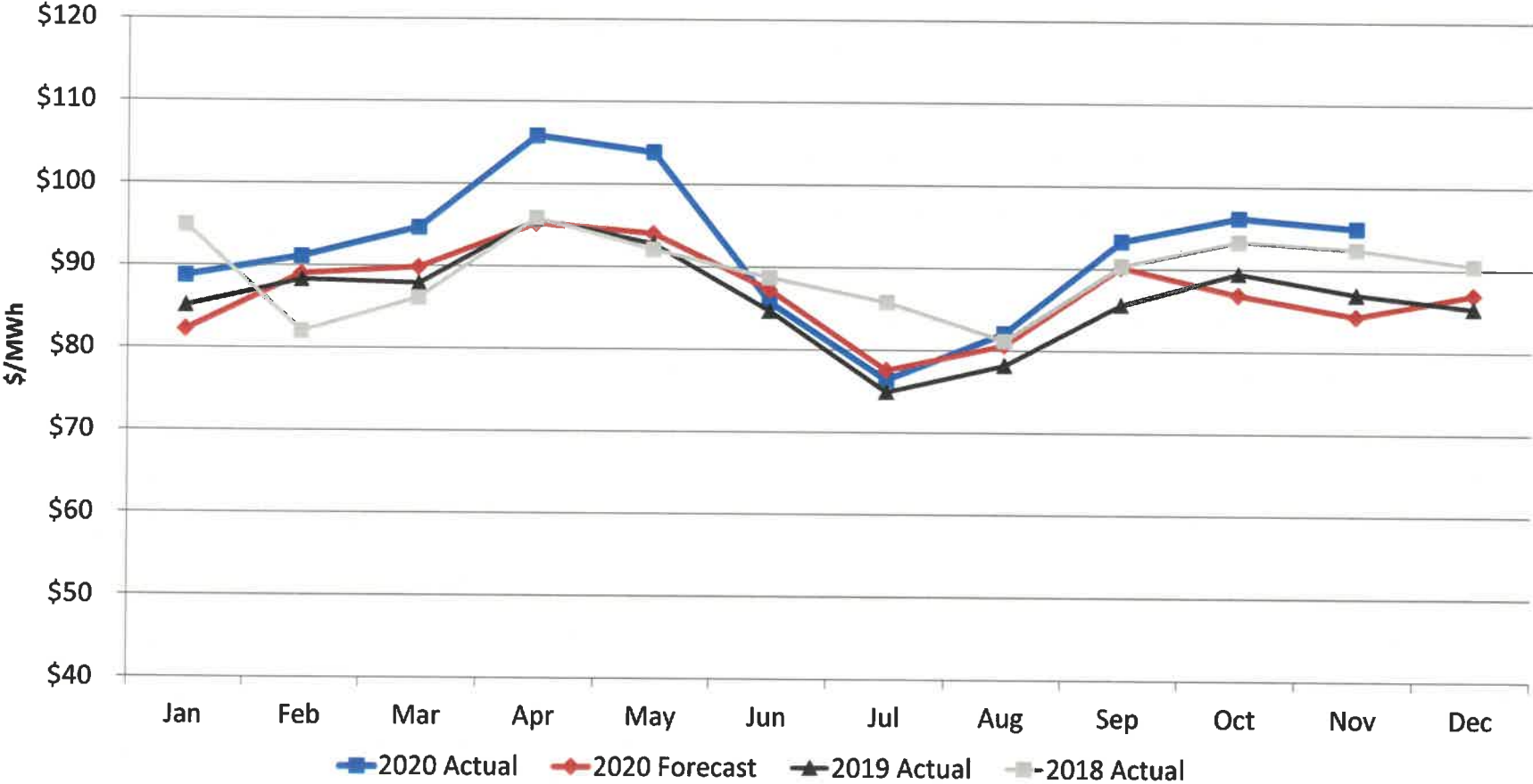


NAPOLEON

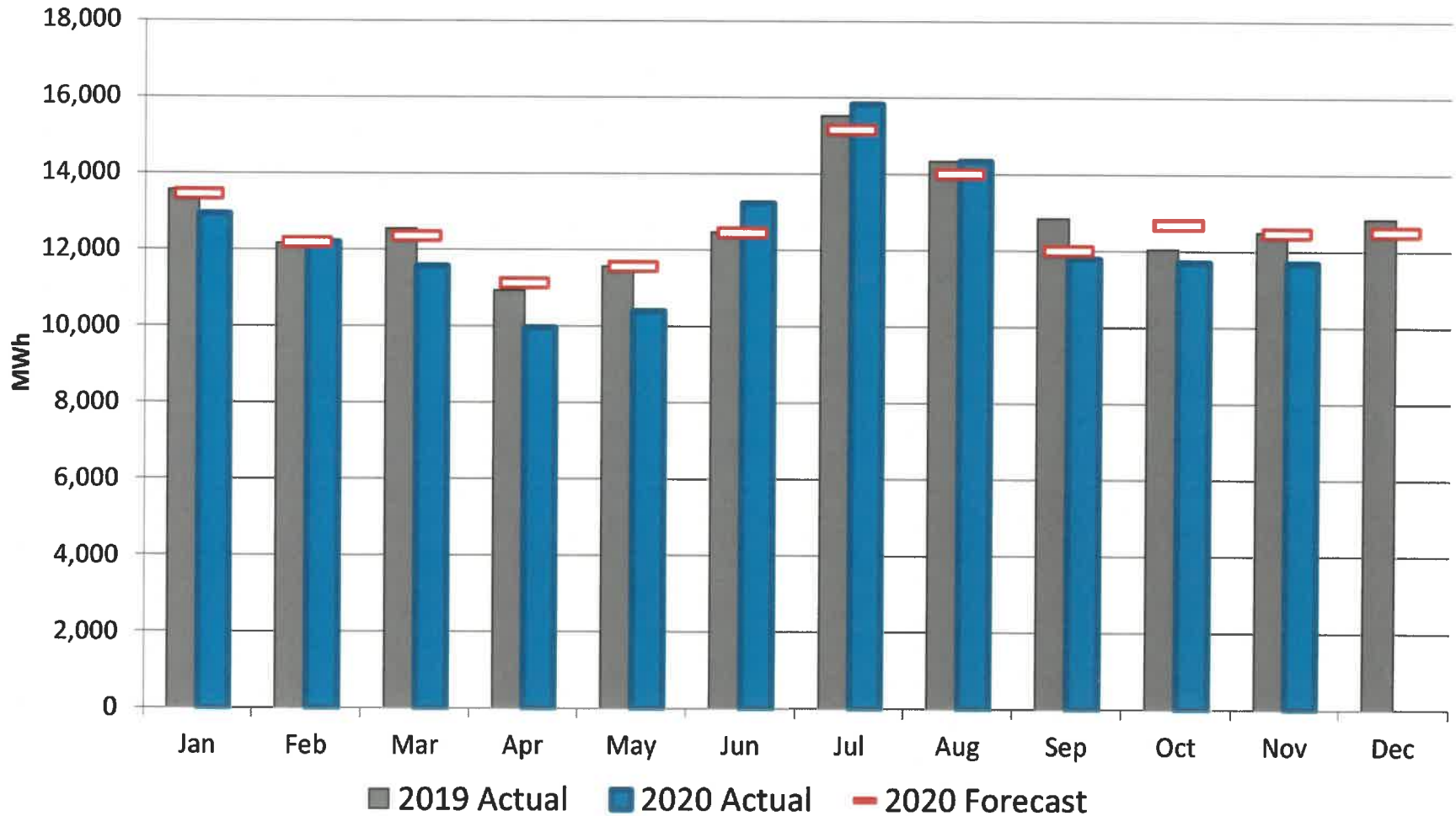
Date	Sunday 11/1/2020	Monday 11/2/2020	Tuesday 11/3/2020	Wednesday 11/4/2020	Thursday 11/5/2020	Friday 11/6/2020	Saturday 11/7/2020	Sunday 11/8/2020	Monday 11/9/2020	Tuesday 11/10/2020	Wednesday 11/11/2020	Thursday 11/12/2020	Friday 11/13/2020	Saturday 11/14/2020	Sunday 11/15/2020
Hour															
100	12,990	14,996	15,866	15,564	15,036	15,063	13,275	12,833	12,699	13,860	14,430	15,413	15,855	15,644	13,448
200	12,869	14,839	15,704	15,130	14,651	14,796	13,054	12,576	12,589	13,514	13,764	15,273	15,636	15,399	13,221
300	12,683	14,912	15,404	14,653	14,210	14,558	12,944	12,427	12,665	13,345	13,216	15,210	15,348	15,297	12,977
400	12,750	15,093	15,265	14,664	14,147	14,338	12,934	12,064	12,781	13,394	13,052	14,946	15,195	15,063	12,721
500	12,857	15,552	15,594	15,156	14,534	14,403	12,959	12,092	13,240	13,744	13,385	15,303	15,183	15,120	12,773
600	12,995	16,480	16,583	16,133	15,547	15,330	13,149	12,306	14,057	14,285	14,545	16,351	15,792	15,418	13,018
700	13,303	18,176	18,065	17,429	17,090	16,831	13,572	12,804	15,628	15,653	15,850	17,844	16,992	16,071	13,325
800	13,921	19,096	18,833	18,244	17,976	17,603	14,612	13,326	16,590	16,972	16,834	18,799	18,531	16,627	14,002
900	14,362	19,250	18,868	18,540	18,386	17,993	15,492	13,758	17,093	17,460	17,454	19,273	18,884	17,358	14,604
1000	14,932	19,352	18,887	18,411	18,729	17,861	15,927	13,963	17,358	17,785	17,721	19,508	18,838	17,391	14,710
1100	15,508	19,942	19,084	18,558	18,715	17,633	15,869	14,328	17,359	18,455	18,000	19,440	19,019	17,495	15,352
1200	15,928	19,998	19,079	18,707	18,468	17,652	15,828	14,589	17,647	18,665	17,931	19,316	19,073	17,497	15,289
1300	16,344	19,709	18,947	18,806	18,135	17,596	15,790	14,673	17,827	18,831	18,123	18,905	19,075	17,339	15,579
1400	15,977	19,528	18,913	18,813	18,236	17,450	15,611	14,491	17,836	19,011	17,919	18,696	18,853	16,957	15,770
1500	15,886	19,126	18,379	18,459	17,949	17,156	15,489	14,180	17,909	19,159	17,700	18,299	18,367	16,465	15,537
1600	15,986	19,003	17,995	18,006	17,823	16,834	15,224	14,106	17,666	18,796	17,269	17,978	17,802	16,515	15,502
1700	16,526	18,885	17,825	17,600	17,553	16,322	14,929	14,390	17,072	18,098	17,379	17,831	17,802	16,781	15,984
1800	17,017	19,078	18,325	17,916	18,079	16,506	15,501	15,234	17,422	18,243	18,039	18,509	18,480	17,255	16,849
1900	17,383	19,294	18,673	18,243	18,375	16,936	16,099	15,871	17,536	18,388	18,885	18,885	18,633	17,150	16,777
2000	17,204	18,905	18,377	17,921	17,923	16,521	15,567	15,624	17,259	17,699	18,122	18,538	18,422	16,716	16,823
2100	16,825	18,678	17,996	17,230	17,389	15,998	14,951	15,316	16,546	17,056	17,762	17,972	18,072	16,266	16,584
2200	16,178	17,909	17,160	16,617	16,702	15,214	14,667	14,734	15,877	16,187	16,819	17,626	17,835	15,768	15,647
2300	15,379	16,737	16,332	15,745	15,671	14,546	13,799	13,917	15,094	15,451	15,928	16,683	17,000	15,038	15,004
2400	15,192	16,127	15,808	15,355	15,336	13,917	13,379	13,326	14,446	15,001	15,695	16,285	16,287	14,088	15,227
Total	360,995	430,665	421,962	411,900	406,660	389,057	350,621	332,928	382,196	399,039	395,325	422,883	420,964	390,718	356,723

Date	Monday 11/16/2020	Tuesday 11/17/2020	Wednesday 11/18/2020	Thursday 11/19/2020	Friday 11/20/2020	Saturday 11/21/2020	Sunday 11/22/2020	Monday 11/23/2020	Tuesday 11/24/2020	Wednesday 11/25/2020	Thursday 11/26/2020	Friday 11/27/2020	Saturday 11/28/2020	Sunday 11/29/2020	Monday 11/30/2020	Tuesday 12/1/2020
Hour																
100	14,883	16,156	16,695	16,256	14,743	13,489	13,334	14,681	15,519	15,226	11,360	10,719	12,642	12,697	14,030	-
200	14,974	15,636	16,537	15,898	14,397	13,143	12,947	14,579	15,466	14,888	10,838	10,538	12,611	12,316	13,679	-
300	14,933	15,247	16,127	15,517	14,110	13,042	12,713	14,334	15,373	14,715	10,684	10,513	12,346	12,308	13,777	-
400	14,758	15,103	15,893	15,257	14,073	12,936	12,619	14,471	15,212	14,705	10,524	10,518	12,336	12,289	13,778	-
500	15,169	15,749	16,742	15,961	14,154	13,038	12,773	14,739	15,048	14,902	10,638	10,789	12,574	12,256	14,512	-
600	16,330	16,533	17,509	16,563	14,938	13,408	13,003	16,188	16,977	16,092	10,898	11,489	13,059	12,623	15,827	-
700	18,030	17,960	18,797	17,682	16,366	13,879	13,424	17,435	18,270	16,949	11,119	12,282	13,525	13,001	17,158	-
800	18,833	19,486	19,787	18,922	17,771	15,168	14,477	18,594	19,681	18,462	12,097	12,871	13,660	13,496	18,261	-
900	19,223	19,777	19,820	19,387	18,158	15,793	15,363	18,839	20,155	19,135	12,808	13,292	14,457	13,728	18,834	-
1000	19,661	19,605	20,048	19,439	18,214	16,193	15,877	18,839	20,123	19,593	13,687	13,874	14,655	14,120	19,361	-
1100	19,705	19,928	20,077	19,379	18,085	16,550	16,242	19,225	20,389	19,850	14,292	14,331	15,112	14,332	19,744	-
1200	19,217	19,763	19,712	19,422	18,075	16,636	16,589	19,252	20,348	20,065	14,455	14,488	14,849	14,375	20,012	-
1300	19,108	19,723	19,183	19,029	17,992	16,393	16,686	18,871	20,424	19,742	13,904	14,376	14,679	14,341	20,106	-
1400	19,034	19,537	18,854	18,725	17,578	16,249	16,800	18,653	20,350	19,731	13,220	14,165	14,450	14,005	20,029	-
1500	18,982	19,360	18,679	18,248	17,078	15,768	16,404	18,051	19,944	19,248	12,725	13,950	13,957	13,758	19,882	-
1600	18,578	19,189	18,512	17,522	16,669	15,292	16,422	17,497	19,659	18,712	12,208	13,632	13,520	13,509	19,685	-
1700	18,434	19,115	18,211	17,128	16,371	15,516	16,813	17,634	19,156	18,492	12,094	13,673	13,670	14,049	19,670	-
1800	19,065	19,958	18,985	17,930	17,099	16,315	17,521	18,591	19,280	18,450	12,654	14,505	14,852	15,518	20,183	-
1900	19,101	19,852	19,206	18,188	17,126	16,367	17,358	18,862	19,211	18,270	12,633	14,916	15,412	15,696	20,366	-
2000	18,924	19,594	19,016	17,820	16,771	16,150	17,002	18,556	18,905	17,757	12,542	14,583	15,173	15,536	19,803	-
2100	18,436	19,211	18,614	17,523	16,504	15,787	16,854	18,254	18,362	16,941	12,286	14,316	15,083	15,779	19,512	-
2200	17,755	18,282	18,014	16,703	15,992	15,365	15,920	17,674	17,728	15,677	12,114	13,921	14,551	15,466	18,727	-
2300	16,820	17,316	17,088	15,680	15,044	14,554	15,118	16,745	16,681	14,866	11,764	13,481	13,926	14,799	17,486	-
2400	16,572	17,025	16,715	15,264	14,149	13,860	14,954	16,138	15,703	12,435	11,326	13,106	13,224	14,495	16,808	-
Total	426,525	422,080	438,821	419,443	391,457	360,891	367,213	416,702	437,964	414,903	292,870	314,328	334,523	334,492	431,230	-
											Maximum	20,424	Minimum	10,513	Grand Total	11,693,103

Napoleon 2020 Monthly Rates



Napoleon 2020 Monthly Energy Usage



RATE REVIEW COMPARISONS - Current to Prior Month and Prior Year

2021 JANUARY BILLING - ELECTRIC PSCAF - BILLING COMPARISONS TO PRIOR PERIODS

Rate Comparisons to Prior Month and Prior Year for Same Period										
Customer Type	Service Usage	Service Units	Current JANUARY 2020 Rate	Prior Month DECEMBER 2020 Rate	Prior Year JANUARY 2019 Rate	Service Usage	Service Units	Current JANUARY 2020 Rate	Prior Month DECEMBER 2020 Rate	Prior Year JANUARY 2019 Rate
<i>Customer Type -></i>			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
Power Supply Demand Charge										
PSCAF - Monthly Factor	978	kWh	\$24.75	\$19.68	\$16.58	1,976	kWh	\$50.01	\$39.76	\$33.49
kWH Tax- Level 1	978	kWh	\$4.55	\$4.55	\$4.55	1,976	kWh	\$9.19	\$9.19	\$9.19
kWH Tax- Level 2										
kWH Tax- Level 3										
Total Electric			\$127.43	\$122.36	\$119.26			\$242.44	\$232.19	\$225.92
Water	6	CCF	\$55.35	\$55.35	\$50.55	11	CCF	\$91.89	\$91.89	\$83.14
Sewer (w/Strm.Sew. & Lat.)	6	CCF	\$74.13	\$74.13	\$70.89	11	CCF	\$104.83	\$104.83	\$98.89
Storm Water (Rate/ERU)			\$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
Sub-Other Services			\$156.98	\$156.98	\$148.94			\$224.22	\$224.22	\$209.53
Total Billing - All Services			\$284.41	\$279.34	\$268.20			\$466.66	\$456.41	\$435.45
Verification Totals->			\$284.41	\$279.34	\$268.20			\$466.66	\$456.41	\$435.45
Dollar Chg.to Prior Periods				<u>Cr.Mo to Pr.Mo</u> \$5.07	<u>Cr.Yr to Pr.Yr</u> \$16.21				<u>Cr.Mo to Pr.Mo</u> \$10.25	<u>Cr.Yr to Pr.Yr</u> \$31.21
% Inc/Dec(-) to Prior Periods				1.81%	6.04%				2.25%	7.17%
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Cost/kWH - Electric	978	kWh	\$0.13030	\$0.12511	\$0.12194	1,976	kWh	\$0.12269	\$0.11751	\$0.11433
% Inc/Dec(-) to Prior Periods				4.15%	6.86%				4.41%	7.31%
Cost/CCF - Water	6	CCF	\$9.22500	\$9.22500	\$8.42500	11	CCF	\$8.35364	\$8.35364	\$7.55818
Cost/GALLONS - Water	4,488	GAL	\$0.01233	\$0.01233	\$0.01126	8,229	GAL	\$0.01117	\$0.01117	\$0.01010
% Inc/Dec(-) to Prior Periods				0.00%	9.50%				0.00%	10.52%
Cost/CCF - Sewer	6	CCF	\$12.35500	\$12.35500	\$11.81500	11	CCF	\$9.53000	\$9.53000	\$8.99000
Cost/GALLON - Sewer	4,488	GAL	\$0.01652	\$0.01652	\$0.01580	8,229	GAL	\$0.01274	\$0.01274	\$0.01202
% Inc/Dec(-) to Prior Periods				0.00%	4.57%				0.00%	6.01%
<i>(Listed Accounts Assume SAME USAGE for kWh and Water (CCF) for All Billing Periods)</i>										
<i>(One "1" Unit CCF of Water = "Hundred Cubic Foot" = 748.05 Gallons)</i>										

RATE REVIEW COMPARISONS - Current to Prior Month and Prior Year

2021 JANUARY BILLING - ELI										
Rate Comparisons to Prior Month a										
			Current	Prior Month	Prior Year			Current	Prior Month	Prior Year
	Service	Service	JANUARY	DECEMBER	JANUARY	Service	Service	JANUARY	DECEMBER	JANUARY
Customer Type	Usage	Units	2020 Rate	2020 Rate	2019 Rate	Usage	Units	2020 Rate	2020 Rate	2019 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	\$178.18	\$141.64	\$119.33			\$20,825.14	\$16,554.80	\$13,946.51
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			\$980.56	\$944.02	\$921.71			\$89,059.87	\$84,789.53	\$82,181.24
Water	25	CCF	\$190.17	\$190.17	\$170.92	300	CCF	\$2,152.61	\$2,152.61	\$1,936.11
Sewer (w/Stm.Sew. & Lat.)	25	CCF	\$192.19	\$192.19	\$177.29	300	CCF	\$1,880.69	\$1,880.69	\$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			\$396.86	\$396.86	\$362.71			\$4,368.30	\$4,368.30	\$3,988.40
Total Billing - All Services			\$1,377.42	\$1,340.88	\$1,284.42			\$93,428.17	\$89,157.83	\$86,169.64
<i>Verification Totals-></i>			\$1,377.42	\$1,340.88	\$1,284.42			\$93,428.17	\$89,157.83	\$86,169.64
				<i>Cr.Mo to Pr.Mo</i>	<i>Cr.Yr to Pr.Yr</i>				<i>Cr.Mo to Pr.Mo</i>	<i>Cr.Yr to Pr.Yr</i>
Dollar Chg.to Prior Periods				\$36.54	\$93.00				\$4,270.34	\$7,258.53
% Inc/Dec(-) to Prior Periods				2.73%	7.24%				4.79%	8.42%
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Cost/kWH - Electric	7,040	kWh	\$0.13928	\$0.13409	\$0.13092	866,108	kWh	\$0.10283	\$0.09790	\$0.09489
% Inc/Dec(-) to Prior Periods				3.87%	6.39%				5.04%	8.37%
Cost/CCF - Water	25	CCF	\$7.60680	\$7.60680	\$6.83680	300	CCF	\$7.17537	\$7.17537	\$6.45370
Cost/GALLONS - Water	18,701	GAL	\$0.01017	\$0.01017	\$0.00914	224,415	GAL	\$0.00959	\$0.00959	\$0.00863
% Inc/Dec(-) to Prior Periods				0.00%	11.26%				0.00%	11.18%
Cost/CCF - Sewer	25	CCF	\$7.68760	\$7.68760	\$7.09160	300	CCF	\$6.26897	\$6.26897	\$5.72430
Cost/GALLON - Sewer	18,701	GAL	\$0.01028	\$0.01028	\$0.00948	224,415	GAL	\$0.00838	\$0.00838	\$0.00765
% Inc/Dec(-) to Prior Periods				0.00%	8.40%				0.00%	9.52%
<i>(Listed Accounts Assume SAME USA</i>										
<i>(One "1" Unit CCF of Water = "Hundre</i>										

BILLING SUMMARY ANISUMPTION for BILLING CYCLE - January, 2021

2021 - JANUARY BILLING WITH NOVEMBER AMP BILLING PERIOD AND DECEMBER 2020 CITY CONSUMPTION AND BILLING DATA														
Class and/or Schedule	Dec-20			Billed kVa of Demand	Cost / kWh For Month	Cost / kWh Prior 12 Mo Average	Jan-20			Cost / kWh For Month	Feb-20			Cost / kWh For Month
	# of Bills	Dec-20 (kWh Usage)	Dec-20 Billed				# of Bills	Jan-20 (kWh Usage)	Jan-20 Billed		# of Bills	Feb-20 (kWh Usage)	Feb-20 Billed	
Residential (Dom-In)	3,410	1,807,668	\$235,522.92		\$0.1303	\$0.1259	3,349	2,102,112	\$263,500.39	\$0.1254	3,353	2,227,957	\$277,842.04	\$0.1247
Residential (Dom-In) w/Ecosmart	6	2,388	\$320.10		\$0.1340	\$0.1277	6	2,754	\$354.93	\$0.1289	6	2,826	\$362.90	\$0.1284
Residential (Dom-In - All Electric)	634	414,649	\$53,135.63		\$0.1281	\$0.1246	634	630,624	\$76,620.23	\$0.1218	628	670,954	\$81,369.44	\$0.1213
Res. (Dom-In - All Elec.) w/Ecosmart	1	437	\$57.98		\$0.1327	\$0.1270	1	490	\$62.75	\$0.1281	1	532	\$67.53	\$0.1269
Total Residential (Domestic)	4,051	2,225,142	\$289,036.63	0	\$0.1299	\$0.1257	3,990	2,735,980	\$340,736.30	\$0.1245	3,988	2,902,269	\$359,641.91	\$0.1239
Residential (Rural-Out)	798	654,313	\$88,890.13		\$0.1359	\$0.1322	792	807,336	\$105,185.25	\$0.1303	790	849,808	\$110,182.04	\$0.1297
Residential (Rural-Out) w/Ecosmart	4	2,443	\$342.12		\$0.1400	\$0.1364	4	3,204	\$426.09	\$0.1330	4	3,438	\$453.88	\$0.1320
Residential (Rural-Out - All Electric)	360	352,493	\$47,193.53		\$0.1339	\$0.1305	364	481,607	\$61,650.77	\$0.1280	362	508,585	\$64,818.71	\$0.1274
Res. (Rural-Out - All Electric) w/Ecosmart	2	1,760	\$237.67		\$0.1350	\$0.1327	2	2,699	\$345.23	\$0.1279	2	2,654	\$339.49	\$0.1279
Residential (Rural-Out w/Dmd)	15	56,761	\$7,150.87	444	\$0.1260	\$0.1250	15	100,391	\$12,192.74	\$0.1215	15	146,970	\$17,739.27	\$0.1207
Residential (Rural-Out - All Electric w/Dmd)	9	22,719	\$2,893.73	187	\$0.1274	\$0.1309	9	14,140	\$1,793.23	\$0.1268	9	11,986	\$1,532.42	\$0.1279
Total Residential (Rural)	1,188	1,090,489	\$146,708.05	631	\$0.1345	\$0.1314	1,186	1,409,377	\$181,593.31	\$0.1288	1,182	1,523,441	\$195,065.81	\$0.1280
Commercial (1 Ph-In - No Dmd)	75	30,575	\$5,087.38		\$0.1664	\$0.1628	73	34,043	\$5,428.03	\$0.1594	74	35,871	\$5,678.93	\$0.1583
Commercial (1 Ph-Out - No Dmd)	50	11,865	\$2,222.96		\$0.1874	\$0.1897	50	13,491	\$2,402.69	\$0.1781	50	11,780	\$2,173.33	\$0.1845
Total Commercial (1 Ph) No Dmd	125	42,440	\$7,310.34	0	\$0.1723	\$0.1696	123	47,534	\$7,830.72	\$0.1647	124	47,651	\$7,852.26	\$0.1648
Commercial (1 Ph-In - w/Demand)	256	251,327	\$42,341.10	2070	\$0.1685	\$0.1612	258	281,890	\$44,567.60	\$0.1581	257	302,449	\$47,334.25	\$0.1565
Commercial (1 Ph-Out - w/Demand)	25	42,009	\$6,125.41	186	\$0.1458	\$0.1422	24	43,441	\$6,278.22	\$0.1445	25	41,403	\$5,935.19	\$0.1434
Total Commercial (1 Ph) w/Demand	281	293,336	\$48,466.51	2,256	\$0.1652	\$0.1588	282	325,331	\$50,845.82	\$0.1563	282	343,852	\$53,269.44	\$0.1549
Commercial (3 Ph-Out - No Dmd)	2	280	\$74.29	18	\$0.2653	\$0.1891	2	4,440	\$628.10	\$0.1415	2	1,040	\$174.82	\$0.1681
Total Commercial (3 Ph) No Dmd	2	280	\$74.29	18	\$0.2653	\$0.1891	2	4,440	\$628.10	\$0.1415	2	1,040	\$174.82	\$0.1681
Commercial (3 Ph-In - w/Demand)	215	1,545,567	\$212,922.98	6016	\$0.1378	\$0.1335	213	1,740,229	\$229,454.61	\$0.1319	212	1,688,719	\$222,678.01	\$0.1319
Commercial (3 Ph-Out - w/Demand)	37	467,077	\$61,869.73	1701	\$0.1325	\$0.1365	36	416,639	\$53,651.15	\$0.1288	36	285,800	\$36,979.27	\$0.1360
Commercial (3 Ph-Out - w/Dmd.&Sub-St.)	3	79,840	\$10,245.81	317	\$0.1283	\$0.1262	3	100,680	\$12,423.31	\$0.1234	3	98,320	\$12,243.36	\$0.1245
Commercial (3 Ph-In - w/Demand, No Ta)	1	1,800	\$331.27	24	\$0.1840	\$0.1310	1	1,400	\$195.31	\$0.1395	1	1,480	\$209.30	\$0.1414
Commercial (3 Ph-In - w/Dmd.&Sub-St.C)	1	123,840	\$15,103.03	286	\$0.1220	\$0.1204	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000
Total Commercial (3 Ph) w/Demand	257	2,218,124	\$300,472.82	8,344	\$0.1355	\$0.1331	253	2,258,948	\$295,724.38	\$0.1309	252	2,074,319	\$274,009.94	\$0.1321
Large Power (In - w/Dmd & Rct)	14	1,799,169	\$196,572.26	3867	\$0.1093	\$0.1066	15	1,748,187	\$184,229.31	\$0.1054	15	1,598,234	\$172,601.65	\$0.1080
Large Power (In - w/Dmd & Rct, w/SbCr)	2	944,533	\$94,200.43	1678	\$0.0997	\$0.1009	3	1,006,691	\$101,740.34	\$0.1011	3	937,001	\$95,111.19	\$0.1015
Large Power (Out - w/Dmd & Rct, w/SbCr)	1	326,400	\$36,329.37	745	\$0.1113	\$0.1180	1	355,200	\$39,268.32	\$0.1106	1	274,800	\$33,004.71	\$0.1201
Large Power (In - w/Dmd & Rct, w/SbCr)	2	44,400	\$4,718.73	84	\$0.1063	\$0.1433	2	126,563	\$19,833.72	\$0.1567	2	108,215	\$10,418.87	\$0.0963
Total Large Power	19	3,114,502	\$331,820.79	6,374	\$0.1065	\$0.1069	21	3,236,641	\$345,071.69	\$0.1066	21	2,918,250	\$311,136.42	\$0.1066
Industrial (In - w/Dmd & Rct, w/SbCr)	1	804,872	\$80,276.34	1551	\$0.0997	\$0.1014	1	782,625	\$77,014.37	\$0.0984	1	648,953	\$67,477.05	\$0.1040
Industrial (In - w/Dmd & Rct, No/SbCr)	1	1,006,031	\$98,656.20	1791	\$0.0981	\$0.1013	1	777,345	\$79,927.37	\$0.1028	1	748,763	\$77,149.51	\$0.1030
Total Industrial	2	1,810,903	\$178,932.54	3,342	\$0.0988	\$0.1014	2	1,559,970	\$156,941.74	\$0.1006	2	1,397,716	\$144,626.56	\$0.1035
Interdepartmental (In - No Dmd)	9	22,846	\$3,067.46	72	\$0.1343	\$0.1337	10	34,098	\$4,308.99	\$0.1264	12	36,405	\$4,558.19	\$0.1252
Interdepartmental (Out - w/Dmd)	2	575	\$102.79		\$0.1788	\$0.1726	2	470	\$86.96	\$0.1850	2	476	\$87.89	\$0.1842
Interdepartmental (In - w/Dmd)	27	41,194	\$5,955.98	0	\$0.1446	\$0.1432	27	60,814	\$8,439.35	\$0.1388	29	61,731	\$8,578.30	\$0.1390
Interdepartmental (3Ph-In - w/Dmd)	10	169,607	\$21,961.09	478	\$0.1295	\$0.1297	10	151,425	\$19,242.97	\$0.1271	10	158,974	\$20,332.08	\$0.1279
Interdepartmental (Street Lights)	6	30,685	\$2,962.34		\$0.0965	\$0.0964	6	32,671	\$3,128.40	\$0.0958	6	32,771	\$3,158.23	\$0.0964
Interdepartmental (Traffic Signals)	8	1,234	\$114.09		\$0.0925	\$0.0925	8	1,203	\$111.24	\$0.0925	8	1,243	\$114.93	\$0.0925
Generators (JV2 Power Cost Only)	1	17,249	\$537.48	30	\$0.0312	\$0.0000	1	30,054	\$1,887.69	\$0.0628	1	27,895	\$3,378.92	\$0.1211
Generators (JV5 Power Cost Only)	0	0	\$0.00		\$0.0000	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000
Total Interdepartmental	63	283,390	\$34,701.23	580	\$0.1225	\$0.1216	64	310,735	\$37,205.60	\$0.1197	68	319,495	\$40,208.34	\$0.1258
SUB-TOTAL CONSUMPTION & DEMAND	5,988	11,078,606	\$1,337,523.20	21,545	\$0.1207	\$0.1204	5,923	11,888,956	\$1,416,579.66	\$0.1192	5,921	11,528,033	\$1,385,985.50	\$0.1202
Street Lights (In)	13	0	\$13.75		\$0.0000	\$0.0000	14	0	\$13.44	\$0.0000	14	0	\$13.43	\$0.0000
Street Lights (Out)	2	0	\$1.91		\$0.0000	\$0.0000	2	0	\$1.91	\$0.0000	2	0	\$1.92	\$0.0000
Total Street Light Only	15	0	\$15.66	0	\$0.0000	\$0.0000	16	0	\$15.35	\$0.0000	16	0	\$15.35	\$0.0000
TOTAL CONSUMPTION & DEMAND	6,003	11,078,606	\$1,337,538.86	21,545	\$0.1207	\$0.1204	5,939	11,888,956	\$1,416,595.01	\$0.1192	5,937	11,528,033	\$1,386,000.85	\$0.1202

BILLING SUMMARY AND																
2021 - JANUARY BILLING WITH NOVEL																
	Mar-20				Apr-20				May-20				Jun-20			
Class and/or Schedule	# of Bills	Mar-20 (kWh Usage)	Mar-20 Billed	Cost / kWh For Month	# of Bills	Apr-20 (kWh Usage)	Apr-20 Billed	Cost / kWh For Month	# of Bills	May-20 (kWh Usage)	May-20 Billed	Cost / kWh For Month	# of Bills	Jun-20 (kWh Usage)	Jun-20 Billed	Cost / kWh For Month
Residential (Dom-In)	3,357	2,194,203	\$273,619.51	\$0.1247	3,370	1,989,944	\$252,935.61	\$0.1271	3,379	1,957,424	\$255,584.56	\$0.1306	3,387	1,718,095	\$236,497.31	\$0.1377
Residential (Dom-In) w/Ecosmart	6	2,816	\$361.36	\$0.1283	6	2,587	\$338.58	\$0.1309	6	2,843	\$377.81	\$0.1329	6	2,551	\$356.96	\$0.1399
Residential (Dom-In - All Electric)	630	704,823	\$85,183.87	\$0.1209	631	619,040	\$76,175.24	\$0.1231	634	521,516	\$66,499.40	\$0.1275	631	419,252	\$56,530.73	\$0.1348
Res.(Dom-In - All Elec. w/Ecosmart	1	551	\$69.65	\$0.1264	1	448	\$58.39	\$0.1303	1	464	\$61.79	\$0.1332	1	467	\$64.75	\$0.1387
Total Residential (Domestic)	3,994	2,902,393	\$359,234.39	\$0.1238	4,008	2,612,019	\$329,507.82	\$0.1262	4,020	2,482,247	\$322,523.56	\$0.1299	4,025	2,140,365	\$293,449.75	\$0.1371
Residential (Rural-Out)	788	826,839	\$107,272.00	\$0.1297	791	742,059	\$98,164.62	\$0.1323	793	758,108	\$102,630.03	\$0.1354	795	639,402	\$91,409.71	\$0.1430
Residential (Rural-Out) w/Ecosmart	4	3,100	\$412.73	\$0.1331	4	2,828	\$384.07	\$0.1358	4	2,635	\$369.16	\$0.1401	4	2,259	\$334.82	\$0.1482
Residential (Rural-Out - All Electric)	362	513,989	\$65,386.64	\$0.1272	362	446,437	\$57,912.35	\$0.1297	363	429,735	\$57,305.95	\$0.1334	360	344,896	\$48,616.05	\$0.1410
Res. (Rural-Out - All Electric) w/Ecosmar	2	2,764	\$352.31	\$0.1275	2	2,395	\$304.08	\$0.1302	2	2,299	\$307.21	\$0.1336	2	1,858	\$262.49	\$0.1413
Residential (Rural-Out w/Dmd)	15	25,307	\$3,187.36	\$0.1259	15	27,525	\$3,492.32	\$0.1269	15	27,829	\$3,619.72	\$0.1301	15	22,104	\$3,030.10	\$0.1371
Residential (Rural-Out - All Electric w/Dm	9	9,809	\$1,269.02	\$0.1294	9	7,128	\$957.19	\$0.1343	9	5,975	\$836.42	\$0.1400	9	5,825	\$850.29	\$0.1460
Total Residential (Rural)	1,180	1,381,808	\$177,880.06	\$0.1287	1,183	1,228,312	\$161,214.63	\$0.1312	1,186	1,226,581	\$165,068.49	\$0.1346	1,185	1,016,344	\$144,503.46	\$0.1422
Commercial (1 Ph-In - No Dmd)	74	35,797	\$5,664.22	\$0.1582	74	35,365	\$5,656.59	\$0.1599	74	32,131	\$5,326.82	\$0.1658	74	27,839	\$4,890.75	\$0.1757
Commercial (1 Ph-Out - No Dmd)	50	11,970	\$2,196.80	\$0.1835	50	12,742	\$2,317.77	\$0.1819	50	11,004	\$2,119.67	\$0.1926	50	8,207	\$1,779.61	\$0.2168
Total Commercial (1 Ph) No Dmd	124	47,767	\$7,861.02	\$0.1646	124	48,107	\$7,974.36	\$0.1658	124	43,135	\$7,446.49	\$0.1726	124	36,046	\$6,670.36	\$0.1851
Commercial (1 Ph-In - w/Demand)	257	313,276	\$49,189.61	\$0.1570	257	299,425	\$48,508.19	\$0.1620	257	274,832	\$46,322.88	\$0.1685	257	225,868	\$40,012.79	\$0.1772
Commercial (1 Ph-Out - w/Demand)	25	43,547	\$6,095.83	\$0.1400	25	43,400	\$6,107.31	\$0.1407	25	42,962	\$6,270.11	\$0.1459	25	36,864	\$5,460.73	\$0.1481
Total Commercial (1 Ph) w/Demand	282	356,823	\$55,285.44	\$0.1549	282	342,825	\$54,615.50	\$0.1593	282	317,794	\$52,592.99	\$0.1655	282	262,732	\$45,473.52	\$0.1731
Commercial (3 Ph-Out - No Dmd)	2	400	\$89.33	\$0.2233	2	40	\$41.39	\$1.0348	2	760	\$140.89	\$0.1854	2	440	\$99.20	\$0.2255
Total Commercial (3 Ph) No Dmd	2	400	\$89.33	\$0.2233	2	40	\$41.39	\$1.0348	2	760	\$140.89	\$0.1854	2	440	\$99.20	\$0.2255
Commercial (3 Ph-In - w/Demand)	214	1,837,506	\$239,708.56	\$0.1305	212	1,635,535	\$217,693.09	\$0.1331	212	1,435,766	\$198,136.69	\$0.1380	212	1,303,373	\$188,819.23	\$0.1449
Commercial (3 Ph-Out - w/Demand)	36	286,076	\$38,698.15	\$0.1353	36	273,659	\$37,755.85	\$0.1380	36	251,993	\$35,672.91	\$0.1416	36	239,296	\$35,577.42	\$0.1487
Commercial (3 Ph-Out - w/Dmd.&Sub-St.	3	99,880	\$12,474.53	\$0.1249	3	94,040	\$11,791.91	\$0.1254	3	79,200	\$10,324.49	\$0.1304	3	70,800	\$9,523.56	\$0.1345
Commercial (3 Ph-In - w/Demand, No T	1	1,400	\$193.28	\$0.1381	1	1,360	\$186.96	\$0.1375	1	1,320	\$187.89	\$0.1423	1	1,360	\$201.03	\$0.1478
Commercial (3 Ph-In - w/Dmd.&Sub-St.C	1	102,720	\$11,249.52	\$0.1095	1	97,440	\$11,923.12	\$0.1224	1	79,680	\$10,114.70	\$0.1269	1	61,920	\$8,530.62	\$0.1378
Total Commercial (3 Ph) w/Demand	255	2,327,582	\$302,324.04	\$0.1299	253	2,102,034	\$279,350.93	\$0.1329	253	1,847,959	\$254,436.78	\$0.1377	253	1,676,749	\$242,651.86	\$0.1447
Large Power (In - w/Dmd & Rct)	13	1,721,351	\$179,206.40	\$0.1041	14	1,817,253	\$196,177.95	\$0.1080	14	1,798,307	\$197,248.46	\$0.1097	14	1,806,232	\$205,727.67	\$0.1139
Large Power (In - w/Dmd & Rct, w/SbCr)	2	935,415	\$89,858.29	\$0.0961	2	800,590	\$82,287.74	\$0.1028	2	900,600	\$91,681.73	\$0.1018	2	723,913	\$82,076.62	\$0.1134
Large Power (Out - w/Dmd & Rct, w/SbC	1	379,200	\$40,656.81	\$0.1072	1	356,400	\$39,110.59	\$0.1097	1	122,400	\$24,150.88	\$0.1973	1	57,600	\$17,684.16	\$0.3070
Large Power (In - w/Dmd & Rct, w/SbCr)	2	74,380	\$10,314.37	\$0.1387	2	57,600	\$6,250.96	\$0.1085	2	85,309	\$11,457.31	\$0.1343	2	90,249	\$14,540.09	\$0.1611
Total Large Power	18	3,110,346	\$320,035.87	\$0.1029	19	3,031,843	\$323,827.24	\$0.1068	19	2,906,616	\$324,538.38	\$0.1117	19	2,677,994	\$320,028.54	\$0.1195
Industrial (In - w/Dmd & Rct, w/SbCr)	1	886,576	\$85,953.58	\$0.0970	1	805,455	\$80,592.47	\$0.1001	1	410,316	\$52,124.53	\$0.1270	1	353,747	\$49,943.89	\$0.1412
Industrial (In - w/Dmd & Rct, No/SbCr)	1	837,502	\$82,186.49	\$0.0981	1	739,129	\$77,982.87	\$0.1055	1	722,408	\$77,272.88	\$0.1070	1	792,094	\$85,333.12	\$0.1077
Total Industrial	2	1,724,078	\$168,140.07	\$0.0975	2	1,544,584	\$158,575.34	\$0.1027	2	1,132,724	\$129,397.41	\$0.1142	2	1,145,841	\$135,277.01	\$0.1181
Interdepartmental (In - No Dmd)	10	32,325	\$4,076.93	\$0.1261	10	32,250	\$4,167.98	\$0.1292	11	24,215	\$3,230.94	\$0.1334	9	21,057	\$2,955.08	\$0.1403
Interdepartmental (Out - w/Dmd)	2	466	\$86.28	\$0.1852	2	536	\$96.39	\$0.1798	2	718	\$123.24	\$0.1716	2	696	\$124.12	\$0.1783
Interdepartmental (In - w/Dmd)	27	68,568	\$9,453.34	\$0.1379	27	55,966	\$7,858.32	\$0.1404	27	45,285	\$6,571.66	\$0.1451	27	32,009	\$4,922.51	\$0.1538
Interdepartmental (3Ph-In - w/Dmd)	10	192,052	\$24,619.47	\$0.1282	10	223,743	\$28,648.01	\$0.1280	10	173,829	\$23,742.28	\$0.1366	11	133,450	\$18,466.29	\$0.1384
Interdepartmental (Street Lights)	6	32,771	\$3,147.92	\$0.0961	6	31,302	\$3,024.88	\$0.0966	6	31,302	\$3,019.83	\$0.0965	6	30,685	\$2,950.80	\$0.0962
Interdepartmental (Traffic Signals)	8	1,239	\$114.55	\$0.0925	8	1,146	\$105.96	\$0.0925	8	1,213	\$112.15	\$0.0925	8	1,164	\$107.64	\$0.0925
Generators (JV2 Power Cost Only)	1	26,760	-\$145.31	-\$0.0054	1	23,021	\$1.84	\$0.0001	1	19,727	\$354.89	\$0.0180	1	17,327	\$313.62	\$0.0181
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	354,181	\$41,353.18	\$0.1168	64	367,964	\$43,903.38	\$0.1193	65	296,289	\$37,154.99	\$0.1254	64	236,388	\$29,840.06	\$0.1262
SUB-TOTAL CONSUMPTION & DEMAND	5,921	12,205,378	\$1,432,203.40	\$0.1173	5,937	11,277,728	\$1,359,010.59	\$0.1205	5,953	10,254,105	\$1,293,299.98	\$0.1261	5,956	9,192,899	\$1,217,993.76	\$0.1325
Street Lights (In)	14	0	\$13.43	\$0.0000	14	0	\$13.43	\$0.0000	14	0	\$13.44	\$0.0000	13	0	\$13.29	\$0.0000
Street Lights (Out)	2	0	\$1.92	\$0.0000	2	0	\$1.91	\$0.0000	2	0	\$1.92	\$0.0000	2	0	\$1.92	\$0.0000
Total Street Light Only	16	0	\$15.35	\$0.0000	16	0	\$15.34	\$0.0000	16	0	\$15.36	\$0.0000	15	0	\$15.21	\$0.0000
TOTAL CONSUMPTION & DEMAND	5,937	12,205,378	\$1,432,218.75	\$0.1173	5,953	11,277,728	\$1,359,025.93	\$0.1205	5,969	10,254,105	\$1,293,315.34	\$0.1261	5,971	9,192,899	\$1,218,008.97	\$0.1325

BILLING SUMMARY AN																
2021 - JANUARY BILLING WITH NOVEMBER																
Class and/or Schedule	Jul-20				Aug-20				Sep-20				Oct-20			
	# of Bills	(kWh Usage)	Billed	Cost / KWH For Month	# of Bills	(kWh Usage)	Billed	Cost / KWH For Month	# of Bills	(kWh Usage)	Billed	Cost / KWH For Month	# of Bills	(kWh Usage)	Billed	Cost / KWH For Month
Residential (Dom-In)	3,403	2,216,372	\$302,477.21	\$0.1365	3,386	3,258,742	\$432,898.23	\$0.1328	3,421	3,524,204	\$406,069.78	\$0.1152	3,416	2,867,682	\$324,906.59	\$0.1133
Residential (Dom-In) w/Ecosmart	6	3,602	\$494.40	\$0.1373	6	5,798	\$770.15	\$0.1328	6	6,059	\$698.95	\$0.1154	6	4,445	\$507.90	\$0.1143
Residential (Dom-In - All Electric)	634	416,258	\$56,777.48	\$0.1364	628	518,567	\$69,425.36	\$0.1339	634	541,055	\$62,995.88	\$0.1164	632	450,328	\$51,592.24	\$0.1146
Res. (Dom-In - All Elec.) w/Ecosmart	1	608	\$63.37	\$0.1371	1	890	\$118.70	\$0.1334	1	1,021	\$117.71	\$0.1153	1	804	\$91.36	\$0.1136
Total Residential (Domestic)	4,044	2,636,840	\$359,832.46	\$0.1365	4,021	3,783,997	\$503,212.44	\$0.1330	4,062	4,072,339	\$469,882.32	\$0.1154	4,055	3,323,259	\$377,098.09	\$0.1135
Residential (Rural-Out)	798	776,528	\$110,452.70	\$0.1422	795	923,910	\$129,265.74	\$0.1399	800	977,833	\$119,564.14	\$0.1223	803	848,699	\$102,110.19	\$0.1203
Residential (Rural-Out) w/Ecosmart	4	2,863	\$417.90	\$0.1459	4	3,326	\$476.76	\$0.1433	4	2,955	\$377.19	\$0.1276	4	2,848	\$355.72	\$0.1249
Residential (Rural-Out - All Electric)	362	386,460	\$54,617.68	\$0.1413	360	449,535	\$62,625.21	\$0.1393	362	476,233	\$57,955.96	\$0.1217	362	415,832	\$49,717.35	\$0.1196
Res. (Rural-Out - All Electric) w/Ecosmart	2	1,351	\$198.28	\$0.1468	2	1,332	\$194.93	\$0.1463	2	1,408	\$180.66	\$0.1283	2	1,304	\$184.55	\$0.1262
Residential (Rural-Out w/Dmd)	15	16,062	\$2,267.73	\$0.1412	15	12,835	\$1,835.11	\$0.1430	15	15,076	\$1,868.86	\$0.1240	16	15,276	\$1,842.58	\$0.1206
Residential (Rural-Out - All Electric w/Dm)	9	6,449	\$941.01	\$0.1459	9	8,572	\$1,215.24	\$0.1418	9	9,520	\$1,175.65	\$0.1235	9	8,010	\$977.65	\$0.1221
Total Residential (Rural)	1,190	1,189,713	\$168,895.20	\$0.1420	1,185	1,399,510	\$195,612.99	\$0.1398	1,192	1,483,025	\$181,122.46	\$0.1221	1,195	1,291,969	\$155,168.04	\$0.1201
Commercial (1 Ph-In - No Dmd)	74	31,449	\$5,454.36	\$0.1734	73	32,850	\$5,623.93	\$0.1712	77	33,763	\$5,222.91	\$0.1547	78	31,256	\$4,814.80	\$0.1540
Commercial (1 Ph-Out - No Dmd)	50	9,283	\$1,947.36	\$0.2098	50	9,427	\$1,962.43	\$0.2082	50	12,377	\$2,175.04	\$0.1757	50	10,640	\$1,919.81	\$0.1804
Total Commercial (1 Ph) No Dmd	124	40,732	\$7,401.72	\$0.1817	123	42,277	\$7,586.36	\$0.1794	127	46,140	\$7,397.95	\$0.1603	128	41,896	\$6,734.61	\$0.1607
Commercial (1 Ph-In - w/Demand)	257	244,547	\$44,525.35	\$0.1821	257	322,769	\$54,251.68	\$0.1681	258	385,109	\$66,450.22	\$0.1466	254	342,503	\$49,963.56	\$0.1459
Commercial (1 Ph-Out - w/Demand)	25	35,962	\$5,584.25	\$0.1553	25	39,228	\$6,034.75	\$0.1538	25	52,828	\$6,871.49	\$0.1301	25	47,779	\$6,155.38	\$0.1288
Total Commercial (1 Ph) w/Demand	282	280,509	\$50,109.60	\$0.1786	282	361,997	\$60,286.43	\$0.1665	283	437,937	\$63,321.71	\$0.1446	279	390,282	\$56,118.94	\$0.1438
Commercial (3 Ph-Out - No Dmd)	2	40	\$41.81	\$1.0453	2	40	\$41.78	\$1.0445	2	280	\$71.62	\$0.2558	2	80	\$45.91	\$0.5739
Total Commercial (3 Ph) No Dmd	2	40	\$41.81	\$1.0453	2	40	\$41.78	\$1.0445	2	280	\$71.62	\$0.2558	2	80	\$45.91	\$0.5739
Commercial (3 Ph-In - w/Demand)	212	1,423,013	\$206,824.83	\$0.1453	215	1,733,713	\$248,615.83	\$0.1434	218	1,996,968	\$245,096.86	\$0.1247	216	2,054,894	\$249,697.97	\$0.1215
Commercial (3 Ph-Out - w/Demand)	37	222,511	\$34,531.79	\$0.1552	37	266,013	\$39,368.88	\$0.1480	37	306,495	\$39,340.93	\$0.1284	37	281,895	\$35,831.64	\$0.1271
Commercial (3 Ph-Out - w/Dmd.&Sub-SL)	3	78,320	\$10,798.50	\$0.1379	3	90,520	\$12,348.94	\$0.1364	3	98,280	\$11,621.24	\$0.1182	3	97,080	\$11,231.04	\$0.1157
Commercial (3 Ph-In - w/Demand, No Td)	1	1,240	\$186.67	\$0.1505	1	5,240	\$785.60	\$0.1461	1	8,600	\$1,032.99	\$0.1201	1	9,200	\$1,062.47	\$0.1155
Commercial (3 Ph-In - w/Dmd.&Sub-SL-C)	1	52,320	\$7,398.54	\$0.1414	1	79,200	\$10,794.62	\$0.1363	1	140,640	\$15,899.70	\$0.1131	1	145,440	\$15,982.65	\$0.1099
Total Commercial (3 Ph) w/Demand	254	1,777,404	\$259,740.33	\$0.1461	257	2,174,686	\$311,893.87	\$0.1434	260	2,550,983	\$316,991.72	\$0.1243	258	2,588,509	\$313,805.77	\$0.1212
Large Power (In - w/Dmd & Rct)	14	1,982,660	\$228,992.03	\$0.1155	14	2,102,303	\$243,382.27	\$0.1158	14	2,210,273	\$213,859.51	\$0.0968	14	2,115,324	\$198,839.87	\$0.0940
Large Power (In - w/Dmd & Rct, w/SbCr)	2	862,901	\$96,996.69	\$0.1124	2	937,839	\$103,396.10	\$0.1102	2	919,998	\$85,379.00	\$0.0928	2	975,403	\$86,267.24	\$0.0884
Large Power (Out - w/Dmd & Rct, w/SbC)	1	217,200	\$31,649.69	\$0.1457	1	310,800	\$38,327.58	\$0.1233	1	374,400	\$37,841.86	\$0.1011	1	339,600	\$34,293.68	\$0.1010
Large Power (In - w/Dmd & Rct, w/SbCr)	2	88,916	\$17,002.80	\$0.1912	2	78,540	\$15,645.76	\$0.1992	2	79,920	\$10,209.57	\$0.1277	2	80,325	\$9,895.57	\$0.1232
Total Large Power	19	3,151,677	\$374,641.21	\$0.1189	19	3,429,482	\$400,751.71	\$0.1169	19	3,584,591	\$347,289.94	\$0.0969	19	3,510,652	\$329,296.36	\$0.0938
Industrial (In - w/Dmd & Rct, w/SbCr)	1	603,851	\$70,061.71	\$0.1160	1	760,327	\$82,056.80	\$0.1079	1	886,004	\$77,531.25	\$0.0875	1	837,652	\$71,748.24	\$0.0857
Industrial (In - w/Dmd & Rct, No/SbCr)	1	824,956	\$90,861.95	\$0.1101	1	829,168	\$93,963.88	\$0.1133	1	901,932	\$80,307.23	\$0.0890	1	850,025	\$76,598.34	\$0.0901
Total Industrial	2	1,428,807	\$160,923.66	\$0.1126	2	1,589,495	\$176,020.68	\$0.1107	2	1,787,936	\$157,838.48	\$0.0883	2	1,687,677	\$148,346.58	\$0.0879
Interdepartmental (In - No Dmd)	9	23,207	\$3,547.63	\$0.1529	9	27,453	\$4,149.95	\$0.1512	9	28,063	\$3,657.82	\$0.1303	9	25,612	\$3,321.94	\$0.1297
Interdepartmental (Out - w/Dmd)	2	865	\$149.62	\$0.1730	2	745	\$131.73	\$0.1768	2	809	\$127.06	\$0.1571	2	846	\$129.01	\$0.1525
Interdepartmental (In - w/Dmd)	27	22,445	\$3,583.04	\$0.1596	27	22,210	\$3,534.45	\$0.1591	27	23,230	\$3,281.89	\$0.1413	27	22,139	\$3,071.39	\$0.1387
Interdepartmental (3Ph-In - w/Dmd)	11	133,288	\$19,728.84	\$0.1480	11	147,613	\$20,396.81	\$0.1382	10	159,206	\$18,951.70	\$0.1190	10	154,725	\$18,184.01	\$0.1175
Interdepartmental (Street Lights)	6	30,685	\$2,967.81	\$0.0967	6	30,685	\$2,951.66	\$0.0962	6	30,685	\$2,971.73	\$0.0968	6	30,685	\$2,949.11	\$0.0961
Interdepartmental (Traffic Signals)	8	1,303	\$120.50	\$0.0925	8	1,122	\$103.77	\$0.0925	8	1,236	\$114.28	\$0.0925	8	1,277	\$118.08	\$0.0925
Generators (JV2 Power Cost Only)	1	14,760	\$277.64	\$0.0188	1	12,639	\$235.09	\$0.0186	1	13,422	\$294.48	\$0.0219	1	13,818	\$233.52	\$0.0169
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	226,553	\$30,375.08	\$0.1341	64	242,467	\$31,503.46	\$0.1299	63	256,651	\$29,398.96	\$0.1145	63	249,102	\$28,007.06	\$0.1124
SUB-TOTAL CONSUMPTION & DEMAND	5,981	10,732,275	\$1,411,961.07	\$0.1316	5,955	13,023,951	\$1,686,909.72	\$0.1295	6,010	14,219,882	\$1,573,315.16	\$0.1106	6,001	13,083,426	\$1,414,621.36	\$0.1081
Street Lights (In)	13	0	\$13.28	\$0.0000	13	0	\$13.28	\$0.0000	13	0	\$13.28	\$0.0000	13	0	\$13.75	\$0.0000
Street Lights (Out)	2	0	\$1.91	\$0.0000	2	0	\$1.91	\$0.0000	2	0	\$1.92	\$0.0000	2	0	\$1.91	\$0.0000
Total Street Light Only	15	0	\$15.19	\$0.0000	15	0	\$15.19	\$0.0000	15	0	\$15.20	\$0.0000	15	0	\$15.66	\$0.0000
TOTAL CONSUMPTION & DEMAND	5,996	10,732,275	\$1,411,976.26	\$0.1316	5,970	13,023,951	\$1,686,924.91	\$0.1295	6,025	14,219,882	\$1,573,330.36	\$0.1106	6,016	13,083,426	\$1,414,637.02	\$0.1081

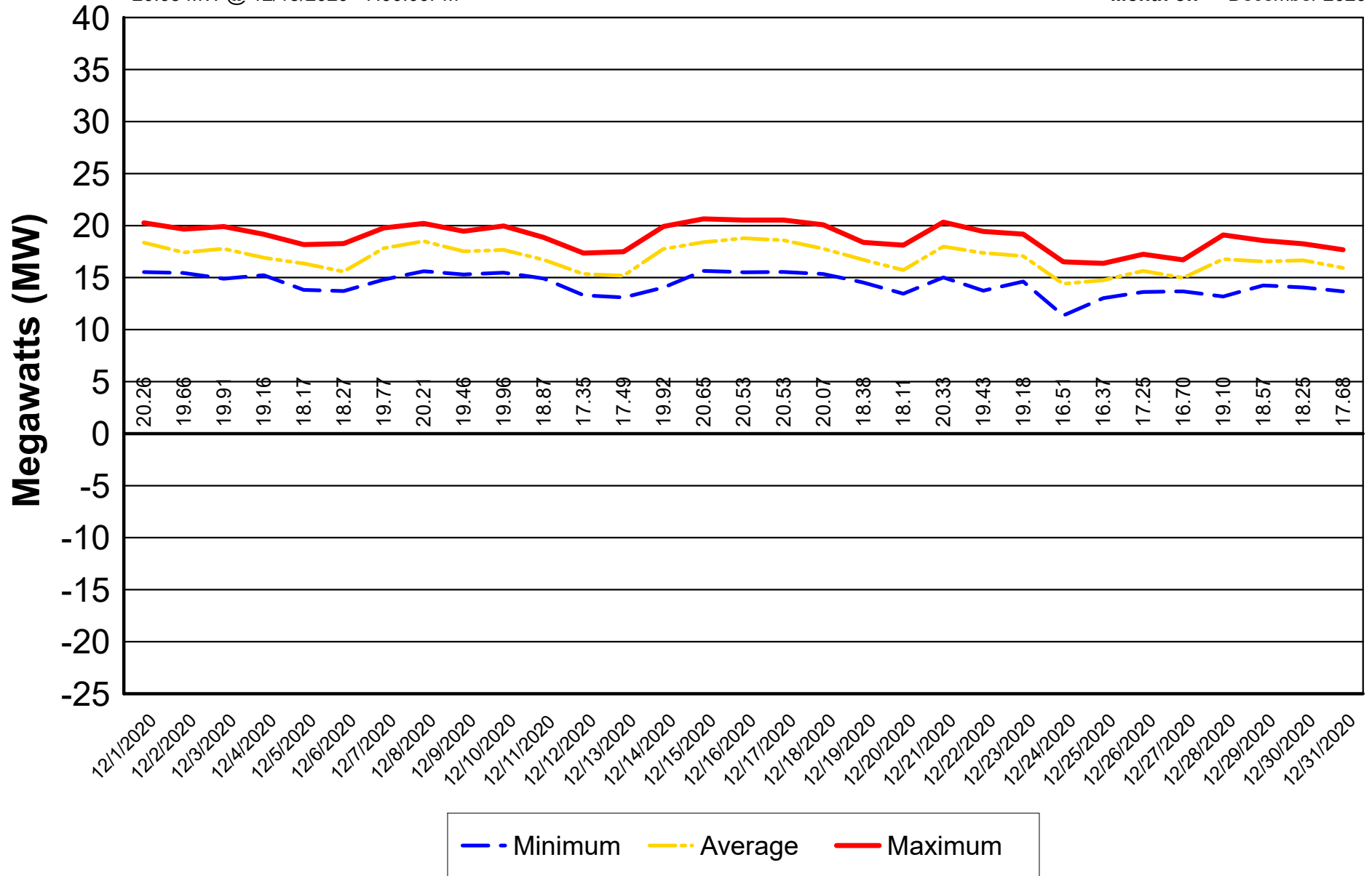
BILLING SUMMARY AN													
2021 - JANUARY BILLING WITH NOVEMBER													
Class and/or Schedule	Nov-20				Dec-20				TOTAL KWH USAGE	TOTAL BILLING	Avg.Cost Per kWh	Avg.Num. of Bills	Avg.Per.% of Bills
	# of Bills	Nov-20 (kWh Usage)	Nov-20 Billed	Cost / kWh For Month	# of Bills	Dec-20 (kWh Usage)	Dec-20 Billed	PRIOR 12 MO					
Residential (Dom-In)	3,423	1,809,174	\$222,284.05	\$0.1229	3,410	1,807,668	\$235,522.92	27,673,577	\$3,484,138.20	\$0.1259	3,388	56.6717%	
Residential (Dom-In) w/Ecosmart	6	2,635	\$329.85	\$0.1252	6	2,388	\$320.10	41,304	\$5,273.89	\$0.1277	6	0.1004%	
Residential (Dom-In - All Electric)	632	332,784	\$40,901.99	\$0.1229	634	414,649	\$53,135.63	6,239,850	\$777,407.49	\$0.1246	632	10.5693%	
Res.(Dom-In - All Elec.) w/Ecosmart	1	496	\$61.31	\$0.1236	1	437	\$57.98	7,208	\$915.29	\$0.1270	1	0.0167%	
Total Residential (Domestic)	4,062	2,145,089	\$263,577.20	\$0.1229	4,051	2,225,142	\$289,036.63	33,961,939	\$4,267,734.87	\$0.1257	4,027	67.3581%	
Residential (Rural-Out)	803	588,978	\$76,482.95	\$0.1299	798	654,313	\$88,890.13	9,393,813	\$1,241,609.50	\$0.1322	796	13.3071%	
Residential (Rural-Out) w/Ecosmart	4	1,962	\$268.00	\$0.1366	4	2,443	\$342.12	33,861	\$4,618.34	\$0.1364	4	0.0669%	
Residential (Rural-Out - All Electric)	360	299,458	\$38,404.31	\$0.1282	360	352,493	\$47,193.53	5,105,260	\$666,204.51	\$0.1305	362	6.0486%	
Res. (Rural-Out - All Electric) w/Ecosmart	2	1,150	\$153.63	\$0.1336	2	1,760	\$237.67	22,914	\$3,040.53	\$0.1327	2	0.0335%	
Residential (Rural-Out w/Dmd)	15	14,001	\$1,776.57	\$0.1269	15	56,761	\$7,150.87	480,137	\$60,003.23	\$0.1250	15	0.2509%	
Residential (Rural-Out - All Electric w/Dmd)	9	7,516	\$963.27	\$0.1282	9	22,719	\$2,893.73	117,649	\$15,405.12	\$0.1309	9	0.1506%	
Total Residential (Rural)	1,193	913,065	\$118,048.73	\$0.1293	1,188	1,090,489	\$146,708.05	15,153,634	\$1,990,881.23	\$0.1314	1,187	19.8575%	
Commercial (1 Ph-In - No Dmd)	76	29,585	\$4,741.88	\$0.1603	75	30,575	\$5,087.38	390,524	\$63,590.60	\$0.1628	75	1.2490%	
Commercial (1 Ph-Out - No Dmd)	50	8,609	\$1,714.10	\$0.1991	50	11,865	\$2,222.96	131,395	\$24,931.57	\$0.1897	50	0.8364%	
Total Commercial (1 Ph) No Dmd	126	38,194	\$6,455.98	\$0.1690	125	42,440	\$7,310.34	521,919	\$88,522.17	\$0.1696	125	2.0854%	
Commercial (1 Ph-In - w/Demand)	256	275,143	\$43,830.30	\$0.1593	256	251,327	\$42,341.10	3,519,138	\$567,297.53	\$0.1612	257	4.2949%	
Commercial (1 Ph-Out - w/Demand)	25	40,700	\$5,598.80	\$0.1376	25	42,009	\$6,125.41	510,123	\$72,517.47	\$0.1422	25	0.4168%	
Total Commercial (1 Ph) w/Demand	281	315,843	\$49,429.10	\$0.1565	281	293,336	\$48,466.51	4,029,261	\$639,815.00	\$0.1588	282	4.7117%	
Commercial (3 Ph-Out - No Dmd)	2	40	\$41.18	\$1.0295	2	280	\$74.29	7,880	\$1,490.32	\$0.1891	2	0.0335%	
Total Commercial (3 Ph) No Dmd	2	40	\$41.18	\$1.0295	2	280	\$74.29	7,880	\$1,490.32	\$0.1891	2	0.0335%	
Commercial (3 Ph-In - w/Demand)	215	1,758,026	\$226,457.38	\$0.1288	215	1,545,567	\$212,922.98	20,153,309	\$2,690,106.04	\$0.1335	214	3.5770%	
Commercial (3 Ph-Out - w/Demand)	37	318,209	\$42,462.59	\$0.1334	37	467,077	\$61,869.73	3,615,663	\$493,640.31	\$0.1365	37	0.6106%	
Commercial (3 Ph-Out - w/Dmd.&Sub-St.)	3	85,680	\$10,379.87	\$0.1211	3	79,840	\$10,245.81	1,072,640	\$135,406.66	\$0.1262	3	0.0502%	
Commercial (3 Ph-In - w/Demand, No Ta.)	1	7,320	\$910.62	\$0.1244	1	1,800	\$331.27	41,720	\$5,463.39	\$0.1310	1	0.0167%	
Commercial (3 Ph-In - w/Dmd.&Sub-St.C)	1	128,640	\$14,875.32	\$0.1156	1	123,840	\$15,103.03	1,011,840	\$121,871.82	\$0.1204	1	0.0139%	
Total Commercial (3 Ph) w/Demand	257	2,297,875	\$295,085.78	\$0.1284	257	2,218,124	\$300,472.82	25,895,172	\$3,446,488.22	\$0.1331	255	4.2684%	
Large Power (In - w/Dmd & Rct)	14	1,809,598	\$183,422.10	\$0.1014	14	1,799,169	\$196,572.26	22,508,891	\$2,400,259.48	\$0.1066	14	0.2356%	
Large Power (In - w/Dmd & Rct, w/SbCr)	2	940,142	\$89,141.55	\$0.0948	2	944,533	\$94,200.43	10,885,026	\$1,098,136.92	\$0.1009	2	0.0362%	
Large Power (Out - w/Dmd & Rct, w/SbCr)	1	334,800	\$34,799.43	\$0.1039	1	326,400	\$36,329.37	3,448,800	\$407,117.08	\$0.1180	1	0.0167%	
Large Power (In - w/Dmd & Rct, w/SbCr)	2	39,585	\$6,421.87	\$0.1622	2	44,400	\$4,718.73	954,002	\$136,709.62	\$0.1433	2	0.0335%	
Total Large Power	19	3,124,125	\$313,784.95	\$0.1004	19	3,114,502	\$331,820.79	37,796,719	\$4,042,223.10	\$0.1069	19	0.3220%	
Industrial (In - w/Dmd & Rct, w/SbCr)	1	746,891	\$70,113.69	\$0.0939	1	804,872	\$80,276.34	8,527,269	\$864,893.92	\$0.1014	1	0.0167%	
Industrial (In - w/Dmd & Rct, No/SbCr)	1	822,393	\$78,038.39	\$0.0949	1	1,006,031	\$98,656.20	9,851,746	\$998,278.23	\$0.1013	1	0.0167%	
Total Industrial	2	1,569,284	\$148,152.08	\$0.0944	2	1,810,903	\$178,932.54	18,379,015	\$1,863,172.15	\$0.1014	2	0.0335%	
Interdepartmental (In - No Dmd)	9	22,244	\$3,038.68	\$0.1366	9	22,846	\$3,067.46	329,775	\$44,081.59	\$0.1337	10	0.1617%	
Interdepartmental (Out - w/Dmd)	2	595	\$101.09	\$0.1699	2	575	\$102.79	7,797	\$1,345.98	\$0.1726	2	0.0335%	
Interdepartmental (In - w/Dmd)	27	24,974	\$3,555.99	\$0.1424	27	41,194	\$5,955.98	480,565	\$68,806.22	\$0.1432	27	0.4544%	
Interdepartmental (3Ph-In - w/Dmd)	10	132,287	\$16,114.31	\$0.1218	10	169,607	\$21,961.09	1,930,199	\$250,387.86	\$0.1297	10	0.1715%	
Interdepartmental (Street Lights)	6	30,685	\$2,968.06	\$0.0967	6	30,685	\$2,962.34	375,612	\$36,200.77	\$0.0964	6	0.1004%	
Interdepartmental (Traffic Signals)	8	1,145	\$105.86	\$0.0925	8	1,234	\$114.09	14,525	\$1,343.05	\$0.0925	8	0.1338%	
Generators (JV2 Power Cost Only)	1	15,784	\$327.04	\$0.0207	1	17,249	\$537.48	232,456	\$7,696.90	\$0.0331	1	0.0167%	
Generators (JV5 Power Cost Only)	0	0	\$0.00	\$0.0000	0	0	\$0.00	0	\$0.00	\$0.0000	0	0.0000%	
Total Interdepartmental	63	227,714	\$26,211.03	\$0.1151	63	283,390	\$34,701.23	3,370,929	\$409,862.37	\$0.1216	64	1.0720%	
SUB-TOTAL CONSUMPTION & DEMAND	6,005	10,631,229	\$1,220,786.03	\$0.1148	5,988	11,078,606	\$1,337,523.20	139,116,468	\$16,750,189.43	\$0.1204	5,963	99.7421%	
Street Lights (In)	13	0	\$13.75	\$0.0000	13	0	\$13.75	0	\$161.55	\$0.0000	13	0.2244%	
Street Lights (Out)	2	0	\$1.91	\$0.0000	2	0	\$1.91	0	\$22.97	\$0.0000	2	0.0335%	
Total Street Light Only	15	0	\$15.66	\$0.0000	15	0	\$15.66	0	\$184.52	\$0.0000	15	0.2579%	
TOTAL CONSUMPTION & DEMAND	6,020	10,631,229	\$1,220,801.69	\$0.1148	6,003	11,078,606	\$1,337,538.86	139,116,468	\$16,750,373.95	\$0.1204	5,978	100.0000%	

Napoleon Power & Light

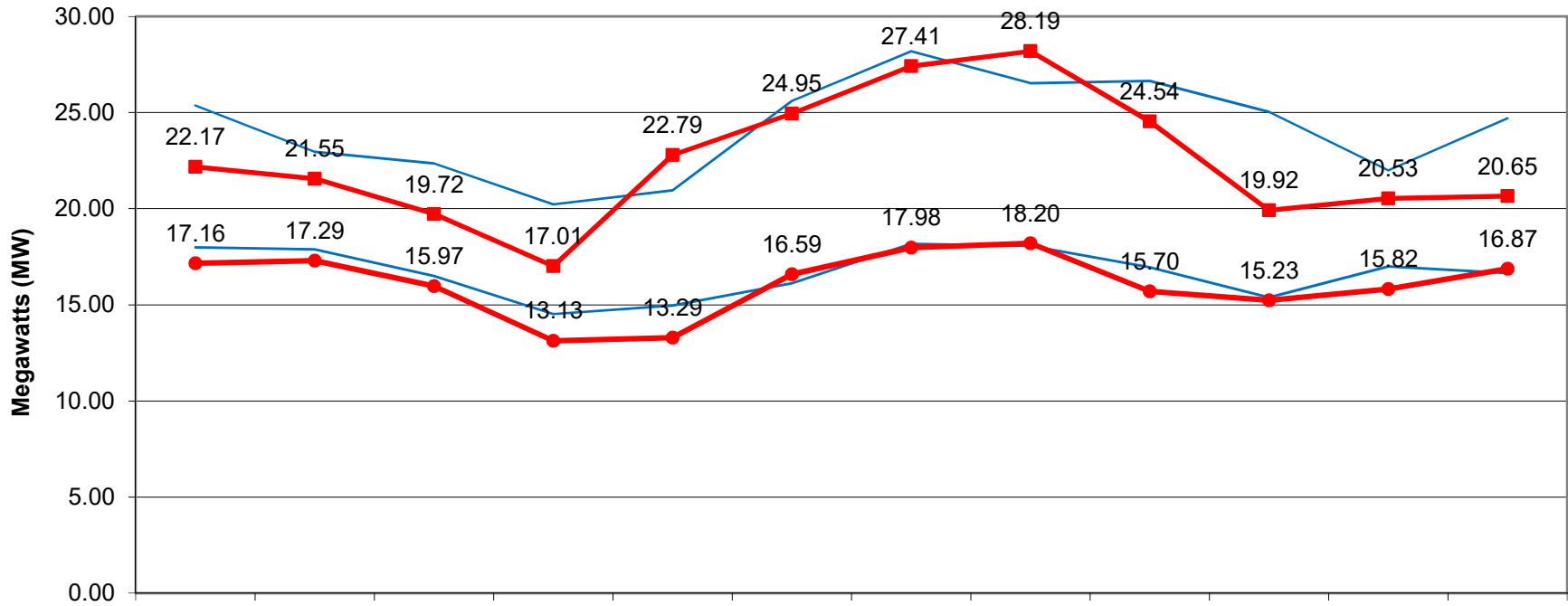
System Load

Peak Load:
20.65 MW @ 12/15/2020 7:00:00PM

Month of: December 2020



NAPOLEON POWER & LIGHT

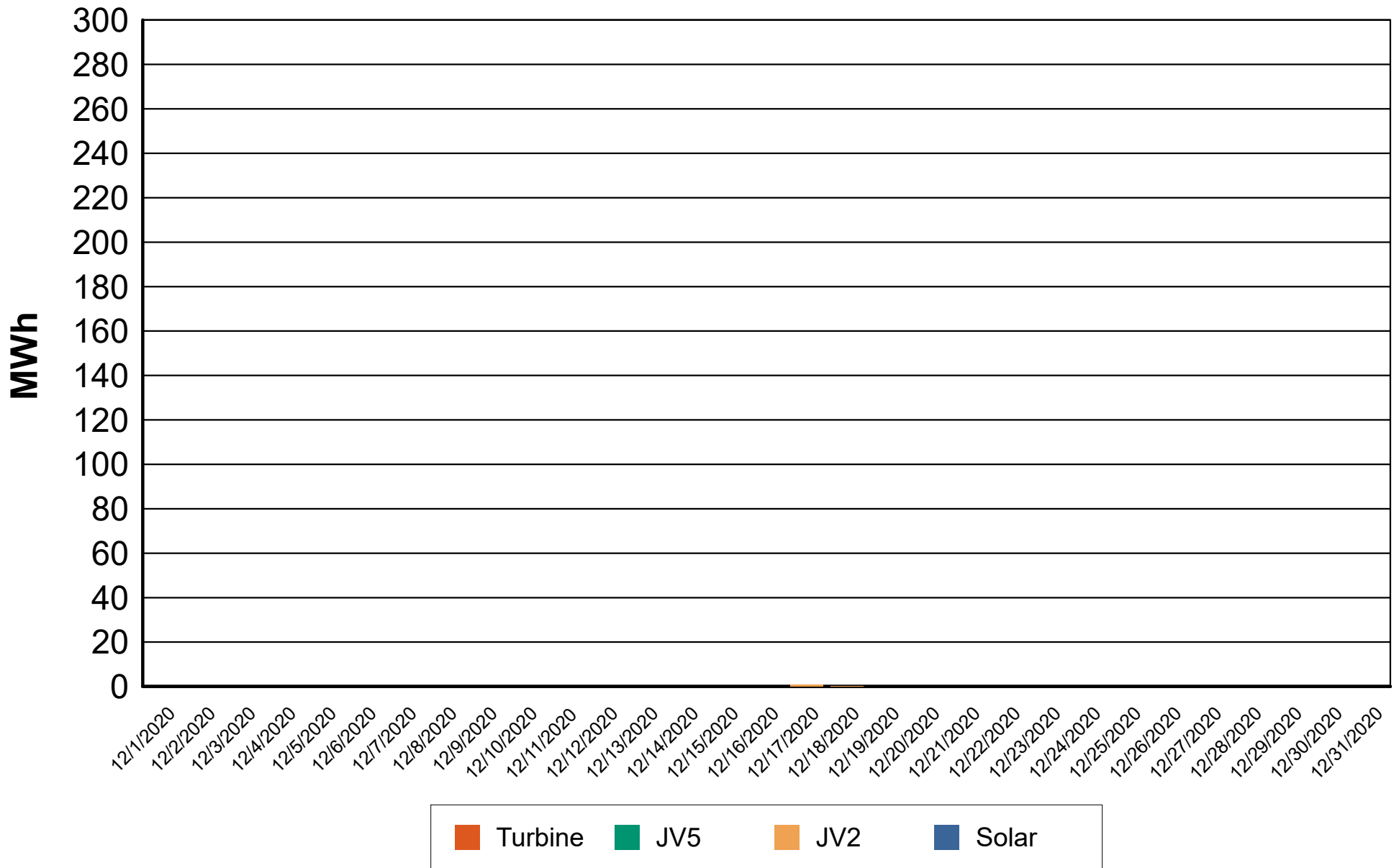


	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1/1/2020	1/1/2020	2/1/2020	3/1/2020	4/1/2020	5/1/2020	6/1/2020	7/1/2020	8/1/2020	9/1/2020	10/1/2020	11/1/2020	12/1/2020
— 2019 MAX	25.36	22.95	22.36	20.22	20.96	25.60	28.19	26.53	26.64	25.04	21.99	24.70
— 2019 AVG	17.99	17.88	16.50	14.52	14.97	16.12	18.17	18.07	16.95	15.38	16.99	16.65
— 2020 MAX	22.17	21.55	19.72	17.01	22.79	24.95	27.41	28.19	24.54	19.92	20.53	20.65
— 2020 AVG	17.16	17.29	15.97	13.13	13.29	16.59	17.98	18.20	15.70	15.23	15.82	16.87

— 2019 MAX — 2019 AVG — 2020 MAX — 2020 AVG

Napoleon Power & Light

Daily Generation Output

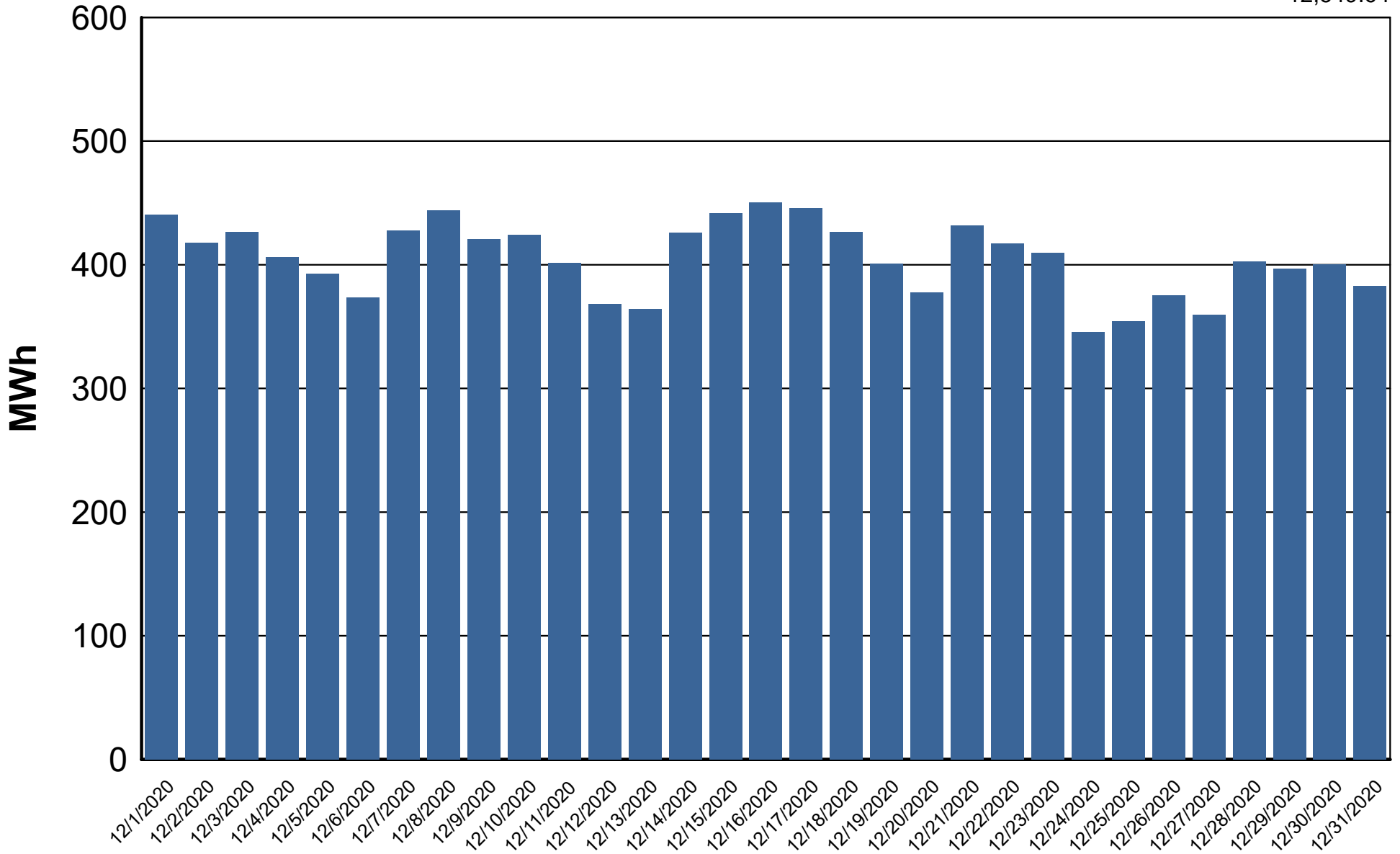


Napoleon Power & Light

Daily Purchased Power

December 2020

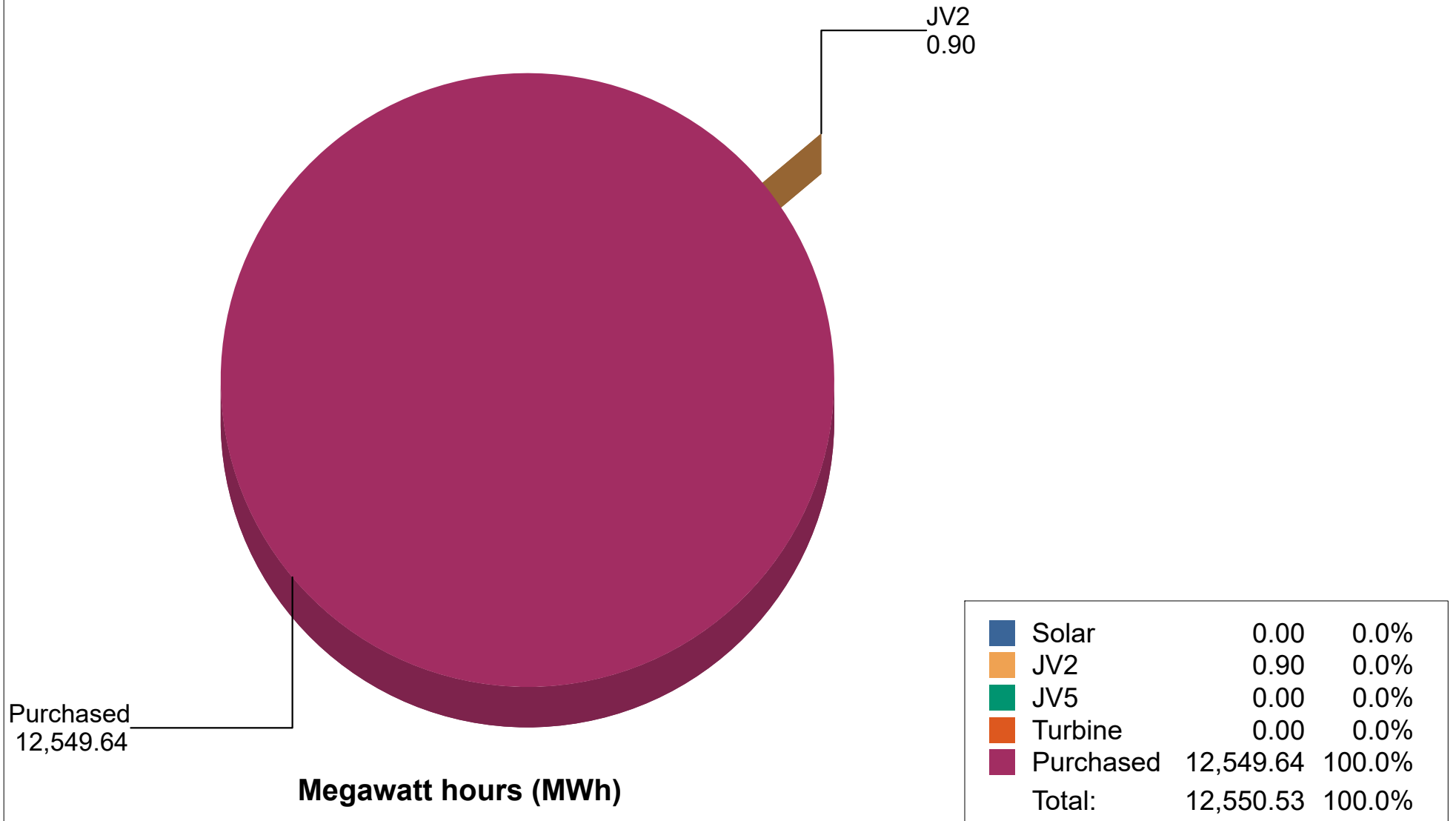
12,549.64



Napoleon Power & Light

Power Portfolio

December 2020



City of Napoleon, Ohio

BOARD OF PUBLIC AFFAIRS

Meeting Agenda

Monday, January 11, 2021 at 6:15 pm

LOCATION: Council Chambers, 255 West Riverview Avenue, Napoleon, Ohio
The WebEx link to the meeting will be posted at www.napoleonohio.com

1. Organization of the Board for 2021
2. Approval of Minutes: December 14, 2020 (In the absence of any objections or corrections, the Minutes shall stand approved)
3. Review/Approval of the Power Supply Cost Adjustment Factor for January 2021:
Power Supply Cost Adjustment (PSCA) 3-month averaged factor \$0.02531; JV2
\$0.021285
4. Update on Substations
5. Electric Department Reports
6. Adjournment

Roxanne Dietrich

Roxanne Dietrich - Clerk of Council

John Courtney. As Mazur said, we did updates on the sewer rates as well as the water rates. This was not a full cost of service study like we have done in the past. We updated the revenue requirement model and that will give you an idea of what is needed in the way of revenue adjustments to beat future expenses. The purpose of the sewer update was to revise the 2017 projected revenue requirement analysis to reflect the updated operation and maintenance and debt service costs associated with the Wastewater Treatment Plant Improvement Project. One of the key changes since the 2017 study was a drop in sales by nearly 11% over a four year period. Regarding the Wastewater Treatment Plant, the debt service decreased by about \$37,000 and operation of maintenance expenses was reduced by about \$12,000. The biggest change was the capital outlay was reduced by about a million dollars per year. I'm sure you are aware there were major capital improvements done in the collection system to try to eliminate infiltration. The city has pared that back going forward so we saw about a million dollar drop in capital. Mazur noted the decrease in sales reflected in sewer, water and electric is due to a couple of reasons. First, in 2016 we lost B&B Molded Plastics. B&B Molded Plastics was a big utility user. Since they left, you can see the drop in all sales was dramatic, including on the industrial side. Every sector has gone down. Generally speaking, people are using energy efficient and water efficient appliances, machinery and equipment. Everyone is striving for less usage and consumption for cost savings. Overall it looks good on a company's portfolio to have less greenhouse gas emissions and energy usage and to invest in energy efficiency things. This is a national trend. Another thing, there is roughly a million dollar per year decrease that is almost in whole due to the renegotiation of our Long-Term Control Plan. We are not doing the amount of projects and cash flowing the projects like we were. Before we were tearing up sewers and replacing them all over, that is really impactful to the rates when you are spending money on projects. The more you spend, the more you have to make up for it on the rate side. That's the reason we are still playing catch up. Mazur asked Courtney if Napoleon is still about 40% higher than the Ohio average? Courtney replied yes, maybe a little more. Mazur said the last time we looked it was somewhere between 40% to 45% higher than the Ohio average. Prigge asked if the 11% drop is in capacity or is that in loading? Mazur stated in sales. In other words, what we are billing out, you are looking at actual capital usage. Prigge asked how is the loading at the Wastewater Plant, is it down or is it up because of the Water Plant? Mazur responded it is up because of the water plant and also some of the I&I. By doing the sewer cleaning, it gets there faster. Courtney continued to the revenue requirement analysis. First, we project sewer sales that are basically driven by water usage. We have to project revenues at the current rates then, we project the revenue requirement and what it cost to operate and maintain the wastewater system in deployment. Lastly, we are going to determine the overall revenue adjustment that would be needed to meet the revenue requirement. To project sewer sales, as I said before, you had an overall drop in sales of about 11% from 2016 to 2019. Not so much in residential or commercial but, we really saw a big drop in industrial sales as Mazur has already pointed out with B&B Molded Plastics leaving. For the residential class we are projecting about a half percent per year growth sales. For the commercial class we are projecting no growth in sales and also no growth for the interdepartmental that is within the city's departments. On the Industrial Class we are projecting some growth in 2021 primarily driven by the new truck stop that's going in, we used data from the two existing truck stops to estimate what that usage might look like. On the sewer side it works out to about a 6% growth in 2021 but no growth beyond that. Mazur said it's safer to keep the growth numbers minimal when projecting rates out in the future. Courtney added this just gives you the projected sewer sales in hundreds of cubic feet by class. You can see the slight increase in residential. Commercial, industrial and interdepartmental are basically flat. The industrial number for 2021 already includes the increase that was talked about. The ground number is almost 285,000 ccf in 2021. The average revenue being calculated at the current rates for each class is: Residential \$15.40/ccf, Commercial \$7.20/ccf, Industrial \$6.36/ccf and Interdepartmental about \$11.75/ccf. Next we are going to take these and multiply by usage and you can see we are projecting the total revenue for 2021 just shy of \$3.2 billion dollars with the bulk of revenue coming from the residential class. The current rates took effect the beginning of 2019. There was not a rate increase for sewer in 2020. For the Projected Revenue Requirements, we broke out the health insurance out of the personal services and benefits so that we could

apply different inflation factors. We applied 3% inflation for most of the O&M items. For personal services and benefits we used 2¼% per year and for health insurance we used 3.49% based on input from staff. We have also included all your debt services, including the debt service on the Wastewater Treatment Plant Project. Mazur said this is kind of an ever-evolving thing you will see when we talk about the Wastewater Treatment Plant project. We will not see the debt service until 2023 and that payment will probably be somewhere between \$750,000 to \$765,000 per year. Courtney noted the recommendation is ultimately going to be what it's going to be. That is why you need to update these periodically for changes like that. We are projecting the total revenue requirements for 2024 around \$3.6 million dollars and once the new debt service kicks in with the current rates there will be a shortfall of 11.8% to 12%. The projected revenue requirement is that the revenue and current rates are not sufficient to meet the near-term revenue requirements. Revenues will need to be increased by approximately 12% to meet the projected 2024 revenue. You could wait until 2024 to raise rates 12% all at once but, we think it would make more sense to *start raising your sewer rates by 3% a year over the next four years to gradually increase them rather than having one large increase.* Mazur commented we are doing better on the sewer side than I thought. A few reasons could be: (1) typically your average water and sewer utility is going to raise rates 3% per year which is the standard. Some utilities do a standard 5% percent per year. We got into the Long-Term Control Plan several years ago and we were spending money doing projects all over the city in the collection system. During that time we neglected to invest or reinvest into the Wastewater Treatment Plant and now it shows. The WWTP is continually having equipment failures and the guys are doing a really good job of keeping it together but there are some adjustments that need to be made. The plant is past its useful life as is a lot of the equipment. We renegotiated the Long-Term Control Plan putting in big ticket projects like the Wastewater Plant Rehab that is needed and some of the pump stations. Not only were we able to reduce the overall spending requirements the EPA mandated us to do, we reduced the projects to the ones we feel are best for the utility. So, all of these projects are coming into play now, the Wastewater Treatment Plant, Williams and VanHying Pump Stations and even with these three big projects, we are still able to just have a 3% increase per year over the next four years. With everything that we have going on right now, this was a little bit of a surprise. We had 10%, 10% and 10% just for the Water Treatment Plan Rehab project. The water and sewer rate increases for Napoleon since 2012 were: 5% in 2012, 2013 was 0% , 2014 the increase was 6%, 2015 was 8%, for 2016 the increase was 10% and in 2017 and 2018 there was not an increase in the sewer rates. It says 9.6% on the commodity, but that was actually 5% overall on the revenue requirement. The commodity rate went up but the base rate did not move. 2020 was also 0%. A positive point is we have not raised sewer rates over the past four years other than the 5% in 2019. We are still looking at some of the big ticket projects that we want to get done in the Long Term Control Plan mode. No one wants to raise rates but, it's a necessary evil when you run a water and sewer utility. Courtney added this also includes the new debt service on the Wastewater Treatment Plant. Mazur said plus the pump stations and we are still at a rate increase of 3% per year. The revenue detail sheets show the different rates from residential and commercial. Then it gets into the service capital costs and operating expenses with a bunch of formulas and in the end where we need to be in four years. Prigge asked what kind of projects do we have after the plant? I mean all our pump stations have pretty much been upgraded. Mazur said we have a big sewer project connecting the downtown to Washington Street leading to the plant. There is a bottleneck in our downtown and we have a couple of SSOs that we need to eliminate. Cost wise they are minor, the number of overflows that we have is down. Our capture rate is still about 97% to 98%. The plant needs help, that is why we are doing the rehab. That will be the biggest ticket item, after that we do not have any other pump stations on the Long-Term Control Plan. That does not mean that we won't need to do system maintenance. In terms of requirements of the Long-Term Control Plan and priorities, the Washington Street Interceptor and SSO eliminations are what we have on the list. Lulfs commented the West Liftstation will need some upgrades as the Front Street Interceptor and the Palmer Ditch Pump Stations are being re-routed this summer so we can rehab the Wastewater Treatment Plant. Those interceptors do not come in at the head of the plant so we are doing this in anticipation of the problem. Mazur said as we are at the end of the year, we

would request the rate increases to take effect in March, 2021. If the BOPA and Council approves, there will be three reads on the legislation before it can take effect. Durham asked what is the increase in dollars for a residential home? Mazur replied for your average residential I believe that would be between \$3.00 to \$4.00/month. O'Boyle interjected we have to verify that figure. Courtney noted I don't think it would be that high on the sewer side, that was for the water side. The average residential bill is about \$58.50 a month if you do a 3% increase across the board you'd be looking at about \$1.80. Mazur said I have the old sewer rate presentation too, if you recall originally in 2017 it was a 40% revenue requirement and since the Long-Term Control Plan renegotiation, that went down to 11%.

WATER RATES

Courtney said this should go a little quicker as it is going to look similar to the sewer other than we have water numbers now. Since the 2018 study analysis, we updated the projected revenue requirements to reflect updated operation and maintenance and debt service costs. Water sales dropped by about 12%. Some of the other changes at the Water Treatment Plant are the debt service decreased by about \$136,000/year. The O&M expenses increased by about \$105,000/year. The Capital Outlay decreased by about \$10,000/year. For the O&M expenses, the plant is using more electricity. The cost of electricity and natural gas has gone up. Mazur added the chemical usage did not go down as much to offset the increase in natural gas. We have more buildings to keep up and have electric costs with the membrane system. Dr. Cordes asked when you are talking water sales does that take into account the loss of Liberty Center and all that? Mazur said we will get into that. Courtney said the reduction in sales from 2017 to 2019 overall is 12%. Most of that was in industrial sales that was due to B&B Molded Plastics leaving. There was also a drop in wholesale sales over that time period of about 9%. It would appear most of that had to do with usage as McClure goes through Malinta's meter but, it appears maybe it is related to improvements in eliminating leakage in the McClure system. The projected growth in sales for Residential is 0.5%/year, Commercial is projected at 0%, Industrial is showing a 5% growth in 2021 only. That is due to the new truck stop which amounts to about 5% on the water side in 2021. For wholesale we have zero growth and have modeled in the loss of sales to Liberty Center and McClure effective July 1, 2023. McClure is behind the meter of Malinta but we went back and looked at what Malinta's usage was prior to McClure and assumed you would continue that sale but we pulled McClure. The total loss of Liberty Center and McClure has a pretty significant impact as you will see on what you are going to have to do. The projected sales for the residential class has a slight increase of ½% while the commercial and industrial basically are the same. The big impact is in wholesale, that dropped from 109,000 ccf to about 42,000 ccf in 2024. That is about a 16% drop in your overall sales just due to those losses. Mazur said that is a key number to keep in mind when the recommendation comes in. The average revenues by class are \$10.30/ccf for Residential, Commercial is \$8.31/ccf, Industrial is \$6.58/ccf and Wholesale is at \$7.47/ccf. This reflects a full year of changes where you eliminated the 25% surcharge for Florida. The McClure/Malinta usage still has the 25% surcharge. Liberty Center reflects a whole year with a 50% surcharge on their bill. The projected 2021 revenues based on those figures is about \$3.5 million dollars with the biggest portion of that being residential. In projecting the revenue requirements, we used 2¼% for personal services and benefits and 3.49% was used for health insurance and all the other operating expenses. The debt service for the Water Treatment Plant is about \$453,000 a year. Overall, the revenue requirements for 2021 is \$3.7 million dollars and for 2024 it will be \$3.9 million dollars. Mazur added in looking at the capital improvements, whatever you spend reflects back into the rates. Even though we just rehabbed the Water Treatment Plant, that does not mean there are not any more capital improvements that will need to be made. There is a lot of maintenance and not everything was rehabbed and replaced. We have a list of some of the projects in our distribution system and sanitary system. The Haley SSO and Glenwood SSO are Long Term Control Plan projects. The Washington Street SSO project is not on the list and has a deadline of 2029. Looking at the water distribution system, here's what we are projecting with the capital projects. We always have to have a little bit of a base in here for road projects, fixing valves and things like that as you do projects. This will give you an idea what projects are strictly waterline related and give you an idea why that number is where it is. Less projects equates to lower

rates unless you can build up a base to start cash flowing more projects. Prigge asked do we bill Wauseon for pumping water or is it Mazur interjected that is a great question. We will be, we don't now, we will be. The cost to run and maintain that pump is about \$9,300 per month. We do not bill them now and we do not backflow from them nearly as much as we used to since we don't need to with the water plant rehab. Courtney mentioned under materials and supplies, you will notice we show inflation from 2021 to 2022 and from 2023 to 2024 we tried to capture the reduction in electric and chemical costs associated with the reduction in sales on the wholesale side. Looking at the revenue requirements with the current rates you can see in 2020, 2021 and 2022 we are not looking too bad. Then, in 2023 you lose half the year with Liberty Center and McClure and the full year in 2024. With losing these two wholesale users, the shortfall is almost 31% so, losing these customers has a pretty significant impact. The water revenues at the current rates are not sufficient to meet the revenue requirements. You need to raise rates about 31%, *Our recommendation would be to look at a 7% a year increase compounded annually from 2021 to 2024 to get you where you need to be.* As Mazur mentioned, that 16% drop in sales equates to about 4% a year. If it wasn't for that, you would probably be talking about a nominal inflationary increase on water. Mazur pointed out nobody moves to a city because they have a taj mahal sewer system, they move for low cost of living and amenities and jobs and family. We have been able to effectively manage both the sewer and water systems, if it wasn't for the unanticipated loss of customer base on the wholesale side, i.e the satellite communities, we would probably be at the 3% per year recommendation. 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The membrane plant takes those contaminants out completely which will serve us well for future water quality standards and testing requirements that are being implemented. We have the best quality of drinking water that this city has ever had and will continue to have that high quality water for a long time. DeWit said the action that we took to build the plant on our own without the satellites Mazur interjected it would have been more expensive had you built a new plant. DeWit said but the difference - was it a county-based system where you locked in your customers? When we took action on the Wastewater Treatment Plant to rebuild we never contacted them we took action by ourselves. Mazur said I know and definitely will defend that decision because the \$25 million dollar price tag they had on that plant I think would have been too low. On most projects when you start digging into them, you have to factor in when you start putting the whole package together it just keep going. DeWit noted you have less unknowns when you're building from scratch than you do when you're taking an existing building that was built a long time ago. The Water Treatment Plant was built in 1963, that was a long time ago. Mazur said you're right but I still think that was the right decision to go with the membrane plant and do it that way much to the dismay of some of the satellite communities. In the long run, they would have been

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Motion: Prigge Second: Dr. Cordes

to approve the recommendation to raise sewer rates 3% each year for the next four years (from 2021 to 2024) and to raise water rates 7% each year for the next four years (from 2021 to 2024).

Roll call vote on the above motion:

Yea-Prigge, DeWit, Dr. Cordes

Nay-

Yea-3, Nay-0. Motion Passed.

Mazur informed the Water and Sewer Committee they could approve the Board of Public Affairs' recommendation or just forward this onto Council as a whole. Chairman Comadoll stated we will move this onto Council.

UPDATE ON THE WASTEWATER TREATMENT PLANT REHAB PROJECT

Mazur reported the WPCLF (Water Pollution Control Loan Fund) is the loan program. We are anticipating a 0.7% interest rate. For what we are applying for, that is pretty good as we are trying to build in as much as we can into the project because of the low interest rate and to maximize the usage. There are a few projects that have been struck out of the Wastewater Treatment Plant budget over the past few years that we put off and eventually will wind up having to do them. We have a design loan, there is the general contractor and we have the digester cleaning as a separate line item, that project has already been done and will be rolled into this. We also have the purchase of the presses rolled into this. We will actually cash flow those for now but, we are going to be reimbursed for them and that will be put back into the reserve account with the 10% contingency added, which is a standard on construction projects. As DeWit pointed out, we have a 70-year old or older plant and you never know what you are going to dig up. DeWit asked the contract costs you are

City of Napoleon, Ohio


WATER, SEWER, REFUSE, RECYCLING & LITTER COMMITTEE

MEETING AGENDA

Monday, January 11, 2021 at 7:00 pm

Council Chambers, 255 West Riverview Avenue, Napoleon, Ohio
The WebEx link to the meeting will be posted at www.napoleonohio.com

- 1) Approval of Minutes: December 14, 2020 (In the absence of any objections or corrections, the Minutes shall stand approved).
- 2) Digging and/or Marking Excavation Site for Sewers
- 3) Any other matters to come before the Committee
- 4) Adjournment



Roxanne Dietrich ~ Clerk of Council

City of Napoleon, Ohio
WATER, SEWER, REFUSE, RECYCLING AND LITTER COMMITTEE
SPECIAL MEETING MINUTES
Monday, December 14, 2020 at 6:00 pm

PRESENT

Committee Members	Jeff Comadoll-Chair, Lori Siclair, Ross Durham
BOPA Members	Mike DeWit-Chair, Dr. David Cordes, Rory Prigge
City Manager	Joel L. Mazur
City Staff	Dave Pike, WWTP Superintendent Chad E. Lulfs, P.E., P.S.-Public Works Director Kelly O'Boyle, Finance Director via WebEx
Clerk of Council	Roxanne Dietrich
Others via WebEx	Courtney & Associates, News Media

ABSENT

CALL TO ORDER

Chairman Comadoll called the Water, Sewer, Refuse, Recycling and Litter Committee meeting to order at 6:00 pm.

APPROVAL OF MINUTES

Hearing no objections or corrections, the minutes from the November 9, 2020 Water, Sewer, Refuse, Recycling and Litter Committee meeting were approved as presented.

WATER AND SEWER RATE REVIEW

Mazur reported a rate review of the revenue requirements for water and sewer and a full cost of service study for electric were in the 2020 budget. The Electric Cost of Service Study will not be done until 2021 since the Morgan Stanley contract will be falling off at the end of 2020 and hopefully by then we are past or rebounding from COVID. The water and sewer rates are a little more important because they are always climbing. The costs that are going up and there are no market conditions, it is all about expenses versus revenues. Then, you have to factor in the inflationary costs plus the wear and tear and maintenance on equipment. We do have recommendations for both sewer and water. John Courtney and Associates was hired to do the rate reviews and both John Courtney and Scott are on the call tonight.

John Courtney. As Mazur said, we did updates on the sewer rates as well as the water rates. This was not a full cost of service study like we have done in the past. We updated the revenue requirement model and that will give you an idea of what is needed in the way of revenue adjustments to beat future expenses. The purpose of the sewer update was to revise the 2017 projected revenue requirement analysis to reflect the updated operation and maintenance and debt service costs associated with the Wastewater Treatment Plant Improvement Project. One of the key changes since the 2017 study was a drop in sales by nearly 11% over a four year period. Regarding the Wastewater Treatment Plant, the debt service decreased by about \$37,000 and operation of maintenance expenses was reduced by about \$12,000. The biggest change was the capital outlay was reduced by about a million dollars per year. I'm sure you are aware there were major capital improvements done in the collection system to try to eliminate infiltration. The city has pared that back going forward so we saw about a million dollar drop in capital. Mazur noted the decrease in sales reflected in sewer, water and electric is due to a couple of reasons. First, in 2016 we lost B&B Molded Plastics. B&B Molded Plastics was a big utility user. Since they left, you can see the drop in all sales was dramatic, including on the industrial side. Every sector has gone down. Generally speaking, people are using energy efficient and water efficient appliances, machinery and equipment. Everyone is striving for less usage and consumption for cost savings. Overall it looks good on a company's portfolio to have less greenhouse gas emissions and

energy usage and to invest in energy efficiency things. This is a national trend. Another thing, there is roughly a million dollar per year decrease that is almost in whole due to the renegotiation of our Long-Term Control Plan. We are not doing the amount of projects and cash flowing the projects like we were. Before we were tearing up sewers and replacing them all over, that is really impactful to the rates when you are spending money on projects. The more you spend, the more you have to make up for it on the rate side. That's the reason we are still playing catch up. Mazur asked Courtney if Napoleon is still about 40% higher than the Ohio average? Courtney replied yes, maybe a little more. Mazur said the last time we looked it was somewhere between 40% to 45% higher than the Ohio average. Prigge asked if the 11% drop is in capacity or is that in loading? Mazur stated in sales. In other words, what we are billing out, you are looking at actual capital usage. Prigge asked how is the loading at the Wastewater Plant, is it down or is it up because of the Water Plant? Mazur responded it is up because of the water plant and also some of the I&I. By doing the sewer cleaning, it gets there faster. Courtney continued to the revenue requirement analysis. First, we project sewer sales that are basically driven by water usage. We have to project revenues at the current rates then, we project the revenue requirement and what it cost to operate and maintain the wastewater system in deployment. Lastly, we are going to determine the overall revenue adjustment that would be needed to meet the revenue requirement. To project sewer sales, as I said before, you had an overall drop in sales of about 11% from 2016 to 2019. Not so much in residential or commercial but, we really saw a big drop in industrial sales as Mazur has already pointed out with B&B Molded Plastics leaving. For the residential class we are projecting about a half percent per year growth sales. For the commercial class we are projecting no growth in sales and also no growth for the interdepartmental that is within the city's departments. On the Industrial Class we are projecting some growth in 2021 primarily driven by the new truck stop that's going in, we used data from the two existing truck stops to estimate what that usage might look like. On the sewer side it works out to about a 6% growth in 2021 but no growth beyond that. Mazur said it's safer to keep the growth numbers minimal when projecting rates out in the future. Courtney added this just gives you the projected sewer sales in hundreds of cubic feet by class. You can see the slight increase in residential. Commercial, industrial and interdepartmental are basically flat. The industrial number for 2021 already includes the increase that was talked about. The ground number is almost 285,000 ccf in 2021. The average revenue being calculated at the current rates for each class is: Residential \$15.40/ccf, Commercial \$7.20/ccf, Industrial \$6.36/ccf and Interdepartmental about \$11.75/ccf. Next we are going to take these and multiply by usage and you can see we are projecting the total revenue for 2021 just shy of \$3.2 billion dollars with the bulk of revenue coming from the residential class. The current rates took effect the beginning of 2019. There was not a rate increase for sewer in 2020. For the Projected Revenue Requirements, we broke out the health insurance out of the personal services and benefits so that we could apply different inflation factors. We applied 3% inflation for most of the O&M items. For personal services and benefits we used 2¼% per year and for health insurance we used 3.49% based on input from staff. We have also included all your debt services, including the debt service on the Wastewater Treatment Plant Project. Mazur said this is kind of an ever-evolving thing you will see when we talk about the Wastewater Treatment Plant project. We will not see the debt service until 2023 and that payment will probably be somewhere between \$750,000 to \$765,000 per year. Courtney noted the recommendation is ultimately going to be what it's going to be. That is why you need to update these periodically for changes like that. We are projecting the total revenue requirements for 2024 around \$3.6 million dollars and once the new debt service kicks in with the current rates there will be a shortfall of 11.8% to 12%. The projected revenue requirement is that the revenue and current rates are not sufficient to meet the near-term revenue requirements. Revenues will need to be increased by approximately 12% to meet the projected 2024 revenue. You could wait until 2024 to raise rates 12% all at once but, we think it would make more sense to *start raising your sewer rates by 3% a year over the next four years to gradually increase them rather than having one large increase.* Mazur commented we are doing better on the sewer side than I thought. A few reasons could be: (1) typically your average water and sewer utility is going to raise rates 3% per year which is the standard. Some utilities do a standard 5% percent per year. We got into the Long-Term Control Plan

several years ago and we were spending money doing projects all over the city in the collection system. During that time we neglected to invest or reinvest into the Wastewater Treatment Plant and now it shows. The WWTP is continually having equipment failures and the guys are doing a really good job of keeping it together but there are some adjustments that need to be made. The plant is past its useful life as is a lot of the equipment. We renegotiated the Long-Term Control Plan putting in big ticket projects like the Wastewater Plant Rehab that is needed and some of the pump stations. Not only were we able to reduce the overall spending requirements the EPA mandated us to do, we reduced the projects to the ones we feel are best for the utility. So, all of these projects are coming into play now, the Wastewater Treatment Plant, Williams and VanHyning Pump Stations and even with these three big projects, we are still able to just have a 3% increase per year over the next four years. With everything that we have going on right now, this was a little bit of a surprise. We had 10%, 10% and 10% just for the Water Treatment Plan Rehab project. The water and sewer rate increases for Napoleon since 2012 were: 5% in 2012, 2013 was 0% , 2014 the increase was 6%, 2015 was 8%, for 2016 the increase was 10% and in 2017 and 2018 there was not an increase in the sewer rates. It says 9.6% on the commodity, but that was actually 5% overall on the revenue requirement. The commodity rate went up but the base rate did not move. 2020 was also 0%. A positive point is we have not raised sewer rates over the past four years other than the 5% in 2019. We are still looking at some of the big ticket projects that we want to get done in the Long Term Control Plan mode. No one wants to raise rates but, it's a necessary evil when you run a water and sewer utility. Courtney added this also includes the new debt service on the Wastewater Treatment Plant. Mazur said plus the pump stations and we are still at a rate increase of 3% per year. The revenue detail sheets show the different rates from residential and commercial. Then it gets into the service capital costs and operating expenses with a bunch of formulas and in the end where we need to be in four years. Prigge asked what kind of projects do we have after the plant? I mean all our pump stations have pretty much been upgraded. Mazur said we have a big sewer project connecting the downtown to Washington Street leading to the plant. There is a bottleneck in our downtown and we have a couple of SSOs that we need to eliminate. Cost wise they are minor, the number of overflows that we have is down. Our capture rate is still about 97% to 98%. The plant needs help, that is why we are doing the rehab. That will be the biggest ticket item, after that we do not have any other pump stations on the Long-Term Control Plan. That does not mean that we won't need to do system maintenance. In terms of requirements of the Long-Term Control Plan and priorities, the Washington Street Interceptor and SSO eliminations are what we have on the list. Lulfs commented the West Liftstation will need some upgrades as the Front Street Interceptor and the Palmer Ditch Pump Stations are being re-routed this summer so we can rehab the Wastewater Treatment Plant. Those interceptors do not come in at the head of the plant so we are doing this in anticipation of the problem. Mazur said as we are at the end of the year, we would request the rate increases to take effect in March, 2021. If the BOPA and Council approves, there will be three reads on the legislation before it can take effect. Durham asked what is the increase in dollars for a residential home? Mazur replied for your average residential I believe that would be between \$3.00 to \$4.00/month. O'Boyle interjected we have to verify that figure. Courtney noted I don't think it would be that high on the sewer side, that was for the water side. The average residential bill is about \$58.50 a month if you do a 3% increase across the board you'd be looking at about \$1.80. Mazur said I have the old sewer rate presentation too, if you recall originally in 2017 it was a 40% revenue requirement and since the Long-Term Control Plan renegotiation, that went down to 11%.

WATER RATES

Courtney said this should go a little quicker as it is going to look similar to the sewer other than we have water numbers now. Since the 2018 study analysis, we updated the projected revenue requirements to reflect updated operation and maintenance and debt service costs. Water sales dropped by about 12%. Some of the other changes at the Water Treatment Plant are the debt service decreased by about \$136,000/year. The O&M expenses increased by about \$105,000/year. The Capital Outlay decreased by about \$10,000/year. For the O&M expenses, the plant is using more electricity. The cost of electricity and natural gas has gone up. Mazur added the chemical usage did not go down as much to offset the increase in

natural gas. We have more buildings to keep up and have electric costs with the membrane system. Dr. Cordes asked when you are talking water sales does that take into account the loss of Liberty Center and all that? Mazur said we will get into that. Courtney said the reduction in sales from 2017 to 2019 overall is 12%. Most of that was in industrial sales that was due to B&B Molded Plastics leaving. There was also a drop in wholesale sales over that time period of about 9%. It would appear most of that had to do with usage as McClure goes through Malinta's meter but, it appears maybe it is related to improvements in eliminating leakage in the McClure system. The projected growth in sales for Residential is 0.5%/year, Commercial is projected at 0%, Industrial is showing a 5% growth in 2021 only. That is due to the new truck stop which amounts to about 5% on the water side in 2021. For wholesale we have zero growth and have modeled in the loss of sales to Liberty Center and McClure effective July 1, 2023. McClure is behind the meter of Malinta but we went back and looked at what Malinta's usage was prior to McClure and assumed you would continue that sale but we pulled McClure. The total loss of Liberty Center and McClure has a pretty significant impact as you will see on what you are going to have to do. The projected sales for the residential class has a slight increase of ½% while the commercial and industrial basically are the same. The big impact is in wholesale, that dropped from 109,000 ccf to about 42,000 ccf in 2024. That is about a 16% drop in your overall sales just due to those losses. Mazur said that is a key number to keep in mind when the recommendation comes in. The average revenues by class are \$10.30/ccf for Residential, Commercial is \$8.31/ccf, Industrial is \$6.58/ccf and Wholesale is at \$7.47/ccf. This reflects a full year of changes where you eliminated the 25% surcharge for Florida. The McClure/Malinta usage still has the 25% surcharge. Liberty Center reflects a whole year with a 50% surcharge on their bill. The projected 2021 revenues based on those figures is about \$3.5 million dollars with the biggest portion of that being residential. In projecting the revenue requirements, we used 2¼% for personal services and benefits and 3.49% was used for health insurance and all the other operating expenses. The debt service for the Water Treatment Plant is about \$453,000 a year. Overall, the revenue requirements for 2021 is \$3.7 million dollars and for 2024 it will be \$3.9 million dollars. Mazur added in looking at the capital improvements, whatever you spend reflects back into the rates. Even though we just rehabbed the Water Treatment Plant, that does not mean there are not any more capital improvements that will need to be made. There is a lot of maintenance and not everything was rehabbed and replaced. We have a list of some of the projects in our distribution system and sanitary system. The Haley SSO and Glenwood SSO are Long Term Control Plan projects. The Washington Street SSO project is not on the list and has a deadline of 2029. Looking at the water distribution system, here's what we are projecting with the capital projects. We always have to have a little bit of a base in here for road projects, fixing valves and things like that as you do projects. This will give you an idea what projects are strictly waterline related and give you an idea why that number is where it is. Less projects equates to lower rates unless you can build up a base to start cash flowing more projects. Prigge asked do we bill Wauseon for pumping water or is it Mazur interjected that is a great question. We will be, we don't now, we will be. The cost to run and maintain that pump is about \$9,300 per month. 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didn't feel it was prudent to do a study with a lot of uncertainty. We feel now we have cleared all of that. DeWit said the main thing is do you want to make the voters unhappy before Christmas? Cordes said I don't want to make them unhappy at all. DeWit replied we already built the plant and the money's been spent we just went better than an hour talking about it. Mazur said it will be a discussion/action item with the first reading at the first Council meeting in January 2021. The key here is the recommendation is a standard rate increase of 3% per year. The only addition is we are anticipating the loss of the wholesale customers and that's factored on the water side. These are the facts, this is what we are dealing with and this is the approach. Comadoll said this is just the start of the process, we will address this next Monday night. Mazur said okay. It will be a discussion item similar to tonight and all the materials will be in the packet. DeWit confirmed basically tonight you want the Board of Public Affairs to approve the rate as discussed. Mazur informed the Water and Sewer Committee they could approve the Board of Public Affairs' recommendation or just forward this onto Council as a whole. Chairman Comadoll stated we will move this onto Council.

UPDATE ON THE WASTEWATER TREATMENT PLANT REHAB PROJECT

Mazur reported the WPCLF (Water Pollution Control Loan Fund) is the loan program. We are anticipating a 0.7% interest rate. For what we are applying for, that is pretty good as we are trying to build in as much as we can into the project because of the low interest rate and to maximize the usage. There are a few projects that have been struck out of the Wastewater Treatment Plant budget over the past few years that we put off and eventually will wind up having to do them. We have a design loan, there is the general contractor and we have the digester cleaning as a separate line item, that project has already been done and will be rolled into this. We also have the purchase of the presses rolled into this. We will actually cash flow those for now but, we are going to be reimbursed for them and that will be put back into the reserve account with the 10% contingency added, which is a standard on construction projects. As DeWit pointed out, we have a 70-year old or older plant and you never know what you are going to dig up. DeWit asked the contract costs you are talking about is that one general contract with multiple subs? Lulfs said that would be our preferred method. Mazur continued the overall loan amount that we are requesting is not to exceed \$14.6 million. We want to get this done the right way, we have spent a lot more time on engineering so we do not run into the problems like we did with the Water Plant rehab. We are still dealing with some of those issues from post-construction. DeWit asked are you going to have to shut the existing plant down for any length of time? Pike responded shutdown periods will be built-in but nothing major that we cannot work around especially if it's dry weather. We can use the EQ basin a little bit to bypass and help alleviate some of that. They will have to do some bypass pumping at certain points in the construction. We are trying to limit that as much as we can. That was laid out for the contractors in the scope of construction and if they follow those general guidelines they will hopefully reduce their costs and bypass floating. Lulfs added we have a very detailed sequence of construction for everything they want to do. Construction will probably start in late spring or early summer because of the length of time it takes to get the funding awarded and contracts established. If we meet the schedule, we are looking at advertising sometime in January, 2021. There is a lead time on so much of the stuff is why we are looking at possibly bringing in some screw presses ahead of time. This will probably be a minimum 18-month construction project though it could push out to two years. The calendar takes into account the sequence of construction as well as when we get into the colder months. Mazur said OWDA has a \$55,000 fee that they charge for this and that was in the overall construction cost. There are alternates in there around \$315,000. Those may or may not be done. The contingencies are \$1.14 million. We hope to have the design completed by January 15, 2021 so we can advertise at the end of January and open bids in early March. The bids then go to DEFA, who is the Ohio EPA's loan agency. Once the loan agreement award is signed, we can award the contract. We have budgeted about \$7.5 million dollars for this year as part of the rehab project. That is an estimate and as Lulfs said, this will carryover into the next year. Hopefully the rest is completed sometime in 2022. There will be some punch list items and other things that need to carry over into 2023. We will start to see the loan repayments in 2024. Do you want periodic updates on the project? DeWit said it will not hurt to know what you are doing. This affects the rates and obviously this construction you cannot see unless you drive up there. Mazur noted we can give periodic

updates, quarterly. The next update will be when the the bids come out so that would be the meeting in March, 2021. Prigge had a question on the water rates. You had up there a projected 6.7% increase for 2021, 8.7% for 2022, 21% in 2023 and 30% in 2024 that is a 66% increase. Mazur said that is the per year revenue requirement needed per year. It is not a finite number, it does not tally up.

RECYCLING CONTAINERS

Comadoll stated I have a neighbor who puts his garbage out and leaves it out. We are going on the fourth week now. I noticed Wauseon has a policy and so does Westerville. I like Waseon's policy. Mazur said I have given this some thought and 24 hours is a good policy. Then we have something in there with a finite timeline. I would caution if you put something like this in place, what if people are out of town for a day or two. Even if you put in a 36 or 48 hour policy to give a little flexibility for people to have until the end of the following day to have their cans picked up. Comadoll noted my neighbors go to North Carolina and always tell me and I put their cans away for them. As long as we do not have this four weeks problem. Mr. Schultheis could probably be the enforcer on that. Mazur said we do not have anything in place now, if the committee wants to make a recommendation I would say 48-hours because there is not a rampant issue out there per se. Siclair said since there is nothing in writing, can't a letter be sent? I understand that is annoying but, this is a lot to do for a very few number of people. Mazur noted this has a little more fight to it, they can actually be cited for it. Right now you cannot be cited for anything. I see it both ways and don't know if you want to be as heavy-handed as the Wauseon one. Comadoll noted Wauseon's has been on the books for quite a long time they must have had problems, you don't see any problems over there now. Siclair said I don't see any problem with it. Comadoll reiterated we need something on the books. There have been other issues with other city projects at this house. Pike commented the biggest issue I could see is when you go too long and a windstorm comes through, then the containers are scattered two or three houses down. I have seen that on Washington Street down by my plant containers sitting out for weeks. Siclair noted if I am going to leave town, I always have my neighbors put stuff away for me and I get it not all people have that luxury either so it's kind of hard. Comadoll said we need something on the books so we have some kind of authority to do something. You hate to do it but they tie your hands. Durham said if we did 24-hours and someone goes out of town, they could give the city a call and we would make a service call and take the recycling up to their house. Mazur suggested refraining from that. The only time city workers went onto private property used to be for those with disabilities. Siclair suggested for the first time not to go heavy-handed. Mazur said it's not like we are going to ticket people. It's like jaywalking, something is put on the books for when it gets abused. Siclair said I'm in favor of it then. Mazur said this would have to go to Council since it is a code change. If you agree to put something in place, this would be a good time and the recommendation would go to Council. Comadoll noted I like Wauseon's best. Siclair agreed, if we are modeling it after Wauseon's. Mazur said before you make a motion, do you want to put anything in there that someone can notify the city if will have their cans out for another 48 hours to accommodate travel or something like that. What if there is a neighbor that calls every week and it has been 25-hours and it comes in as a complaint, we have to respond. I can see some of the neighbor dispute pitfalls, I don't want to derail the motion. Durham suggested presenting it to council as Wauseon has it and you can bring that point up in council.

Motion: Siclair

Second: Durham

to recommend amending code Section 925.08 Placement of Containers to add Refuse and Recycling containers placed at the curb in front of a customer's residence are to be removed from the curb within twenty-four hours after pick up.

Roll call vote on the above motion:

Yea-Comadoll, Siclair Durham

Nay-

Yea-3, Nay-0. Motion Passed.

ADJOURNMENT

Motion: Durham

Second: Siclair

to adjourn the Water, Sewer, Refuse and Recycling Committee meeting at 7:36 pm

Roll call vote on the above motion:

Yea-Comadoll, Siclair, Durham

Nay-

Yea-3, Nay-0. Motion Passed.

Approved

January 11, 2021

Jeff Comadoll-Chair
Water, Sewer, Refuse, Recycling & Litter Committee

DRAFT

CITY OF NAPOLEON RULES FOR WATER AND SEWER SERVICE

same manner as other appeals are taken under these Rules. No application for a building sewer permit which has been denied by the City Manager shall be resubmitted to the City for a period of sixty (60) days from the date of such denial, except upon the grounds of new and material evidence or proof of changed conditions. The committee's order shall be a final order.

Rule 10.2 Digging And/Or Marking Excavation Site For Sewers

When any sewer service locating is desired, persons desiring the same shall physically mark the proposed excavation site with white paint, flags, or other acceptable marking methods utilized by the industry and approved by the City. Excavation, the applicant, or property owner must call the utility department forty-eight (48) hours prior to commencement of digging. Damages resulting from failure to contact the utility forty-eight (48) hours prior to digging will be at the expense of the person digging or causing the same to be done. When the City locates service at the excavation site, all cost associated therewith, including time and material, shall be at the expense of the person proposing the excavation if they fail to properly mark the excavation site.



City of Napoleon, Ohio

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Memorandum

To: City Council, Mayor, City Manager, City Law Director, Finance Director, Department Supervisors, News media
From: Roxanne Dietrich, Clerk of Council
Date: January 08, 2021
Subject: Municipal Properties, Building, Land Use and Economic Development Committee – Cancellation

The regularly scheduled meeting of the ***Municipal Properties, Building, Land Use and Economic Development Committee*** for Monday, January 11, 2021 at 7:30 pm has been CANCELED due to a lack of agenda items.



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Memorandum

To: Board of Zoning Appeals, City Council, Mayor, City Manager, City Law Director, Finance Director, Department Supervisors, News media
From: Roxanne Dietrich, Clerk of Council
Date: January 8, 2021
Subject: Board of Zoning Appeals – Cancellation

The regularly scheduled meeting of the Board of Zoning Appeals set for Tuesday, January 12, 2021 at 4:30 pm has been CANCELED due to lack of agenda items.



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Memorandum

To: City Council, Mayor, City Manager, City Law Director, Finance Director, Department Supervisors, News media
From: Roxanne Dietrich, Clerk of Council
Date: January 8, 2021
Subject: Planning Commission – Cancellation

The regularly scheduled meeting of the **PLANNING COMMISSION** for Tuesday, January 12, 2021 at 5:00 pm has been *canceled* due to a lack of agenda items.