

Sun	Mon	Tue	Wed	Thu	Fri	Sat
29	30 Memorial Day Holiday City Offices Closed	31	1	2	3	4
5	6 6:15 pm Technology & Communications Comm. 7:00 pm City Council	7	8	9	10	11
12	13 6:30 pm Electric Committee Board of Public Affairs 7:00 pm Municipal Properties Committee	14 6:00 pm Park and Rec Board	15	16	17	18 9:00 am – Special Civil Service Comm. Mtg. - Police Officer Physical Agility Test
19	20 6:45 pm Records Commission 7:00 pm City Council	21	22 6:00 pm – Special Civil Service Comm. Mtg. – Police Officer Physical Agility Test	23	24	25
26	27 6:30 pm – Finance and Budget Committee 7:30 pm – Safety and Human Resources Committee	28 4:30 pm - Preservation Comm. Civil Service Commission	29 6:30 pm Park and Rec Board	30		

City of Napoleon, Ohio

ELECTRIC COMMITTEE

MEETING AGENDA

Monday, June 13, 2022 at 6:30 pm

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

- 1) Call to Order
- 2) Approval of Minutes – April 11, 2022 (In the absence of any objections or corrections, the Minutes shall stand approved)
- 3) Review/Approval of the Power Supply Cost Adjustment Factor for June 2022:
PSCAF 3-month averaged factor \$0.02156 and JV2 \$0.073844
- 4) Electric Department Fiber Connection to Substation
- 5) Smart Thermostat Program
- 6) Peak Alert Format
- 7) Electric Department Reports
- 8) Adjournment.


Roxanne Dietrich - Clerk

CITY OF NAPOLEON, OHIO
ELECTRIC COMMITTEE MEETING MINUTES
Monday, April 11, 2022 at 6:30 pm

PRESENT

Committee Members Lori Siclair-Chair, Ross Durham, Joe Bialorucki
BOPA Members Jeff Comadoll-Chair, Rory Prigge
City Manager Joel Mazur
City Staff Greg Kuhlman-Electric Distribution Supt.
Others
Recorder Roxanne Dietrich

ABSENT

BOPA Member Mike DeWit

CALL TO ORDER

Siclair, Chair of the Electric Committee called the meeting to order at 6:30 pm.

APPROVAL OF MINUTES

Hearing no objections or corrections, the minutes from the February 14, 2022 Electric Committee meeting were approved as presented.

Review/Approval of the Power Supply Cost Adjustment Factor for April 2022: PSCAF 3-month averaged factor \$0.01305 and JV2 \$0.036941

Mazur reported this was an average month. Once again, AMP gave us a credit on our bill for the sale of Renewable Energy Credits (RECs). Normally, we receive a check and we deposit it in the Electric Development Fund. By applying the RECs to the rates, they are artificially low. We took the RECs amount out to make the current PSCAF more accurate. Our rates are back under 12 cents/kWh. Bialorucki asked, do you anticipate getting the RECs corrected going forward? Mazur replied absolutely, we told them that last time. The previous one was held and not credited right away. We asked AMP if we would see interest earnings from that and was told *no*. We will reapproach them to see if we can rectify. We do not know why this is changing other than personnel is changing. We are trying to get the RECs fixed to have it back the way it was.

Motion: Durham Second: Bialorucki
to accept the BOPA's recommendation to approve the April 2022 PSCAF as 3-month averaged factor \$0.01305 and JV2 \$0.036941

Roll call vote on the above motion:

Yea-Bialorucki, Siclair, Durham

Nay-

Yea-3, Nay-0. Motion Passed.

Electric Department Reports

Kuhlman said there is a lot going on. The County Garage is updating their service to 3-phase, we put several underground services at residences, we are replacing some CT wiring that we bought recently that is not UV rated and gets degraded in the sun. We are trying to purchase some UV resistant wire. Dana is in process, Snyders Auto Group on Scott Street is building for electric vehicles, so their service is getting upgraded, Main Stop is in process, and we are waiting to complete the service at the Wastewater Treatment Plant. Mazur added the pole in front of Knights Inn was replaced. Kuhlman said there is a possibility this summer we could match our peak usage especially when Dana gets online. Bialorucki asked when does Dana anticipate being up and running? Kuhlman said the changeover will probably be in July or August and think they really want to be up and running in November.

Adjournment

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

Roll call vote on the above motion:

Yea-Bialorucki, Siclair, Durham

Nay-

Yea-3, Nay-0. Motion Passed.

Approved

Lori Siclair
Electric Committee Chair

DRAFT

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-Corrt'd. 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	
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
Oct 20	Dec 20	11,645,057	\$ 1,128,722.92	37,661,159	\$ 3,414,239.00	\$ 0.09066	\$ (0.07194)	\$ 0.01872	\$ 0.02012	0.1299
Nov 20	Jan 21	11,652,657	\$ 1,113,624.87	35,042,648	\$ 3,345,829.38	\$ 0.09548	\$ (0.07194)	\$ 0.02354	\$ 0.02531	0.1340
Dec 20	Feb 21	12,648,166	\$ 1,124,907.42	35,945,880	\$ 3,367,255.21	\$ 0.09368	\$ (0.07194)	\$ 0.02174	\$ 0.02337	0.1299
Jan 21	Mar 21	12,962,585	\$ 1,034,448.66	37,263,408	\$ 3,272,980.95	\$ 0.08783	\$ (0.07194)	\$ 0.01589	\$ 0.01708	0.1236
Feb 21	Apr 21	12,300,987	\$ 1,049,227.94	37,911,738	\$ 3,208,584.02	\$ 0.08463	\$ (0.07194)	\$ 0.01269	\$ 0.01364	0.1265
Mar 21	May 21	11,917,978	\$ 1,053,961.87	37,181,550	\$ 3,137,638.47	\$ 0.08439	\$ (0.07194)	\$ 0.01245	\$ 0.01338	0.1237
Apr 21	June 21	10,765,694	\$ 918,047.72	34,984,659	\$ 3,021,237.53	\$ 0.08636	\$ (0.07194)	\$ 0.01442	\$ 0.01550	0.1261
May 21	July 21	11,537,945	\$ 964,238.17	34,221,617	\$ 2,936,247.76	\$ 0.08580	\$ (0.07194)	\$ 0.01386	\$ 0.01490	0.1232
June 21	Aug 21	13,563,554	\$ 1,066,460.78	35,867,193	\$ 2,948,746.67	\$ 0.08221	\$ (0.07194)	\$ 0.01027	\$ 0.01104	0.1166
July 21	Sept 21	14,499,118	\$ 1,106,204.19	39,600,617	\$ 3,136,903.14	\$ 0.07921	\$ (0.07194)	\$ 0.00727	\$ 0.00782	0.1133
Aug 21	Oct 21	15,646,644	\$ 1,212,305.64	43,709,316	\$ 3,384,970.61	\$ 0.07744	\$ (0.07194)	\$ 0.00550	\$ 0.00591	0.1110
Sept 21	Nov 21	12,554,924	\$ 1,097,036.16	42,700,686	\$ 3,415,545.99	\$ 0.07999	\$ (0.07194)	\$ 0.00805	\$ 0.00865	0.1175
Oct 21	Dec 21	12,131,921	\$ 1,125,088.51	40,333,489	\$ 3,434,430.31	\$ 0.08515	\$ (0.07194)	\$ 0.01321	\$ 0.01420	0.1237
Nov 21	Jan 22	12,362,753	\$ 1,135,197.78	37,049,598	\$ 3,357,322.45	\$ 0.09062	\$ (0.07194)	\$ 0.01868	\$ 0.02008	0.1281
****Dec 21	Feb 22	12,816,596	\$ 1,016,008.94	37,311,270	\$ 3,276,295.23	\$ 0.08781	\$ (0.07194)	\$ 0.01587	\$ 0.01706	0.1238
Jan 22	Mar 22	13,995,086	\$ 1,160,729.26	39,174,435	\$ 3,311,935.98	\$ 0.08454	\$ (0.07194)	\$ 0.01260	\$ 0.01355	0.1199
Feb 22 ‡	Apr 22	12,258,331	\$ 1,108,306.10	39,070,013	\$ 3,285,044.30	\$ 0.08408	\$ (0.07194)	\$ 0.01214	\$ 0.01305	0.1205
Mar 22	May 22	12,370,598	\$ 1,125,556.75	38,624,015	\$ 3,394,592.11	\$ 0.08789	\$ (0.07194)	\$ 0.01595	\$ 0.01715	0.1297
Apr 22*	June 22	11,096,205	\$ 1,163,207.66	35,725,134	\$ 3,397,070.51	\$ 0.09509	\$ (0.07194)	\$ 0.02315	\$ 0.02156	

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

*** reduced PSCAF for Sept 20 from \$0.01377 to \$0.01056 to reflect corrected PSCAF with adjustment for Aug 20 by -\$0.003210 to incorporate the \$100,000 with the three month rolling average

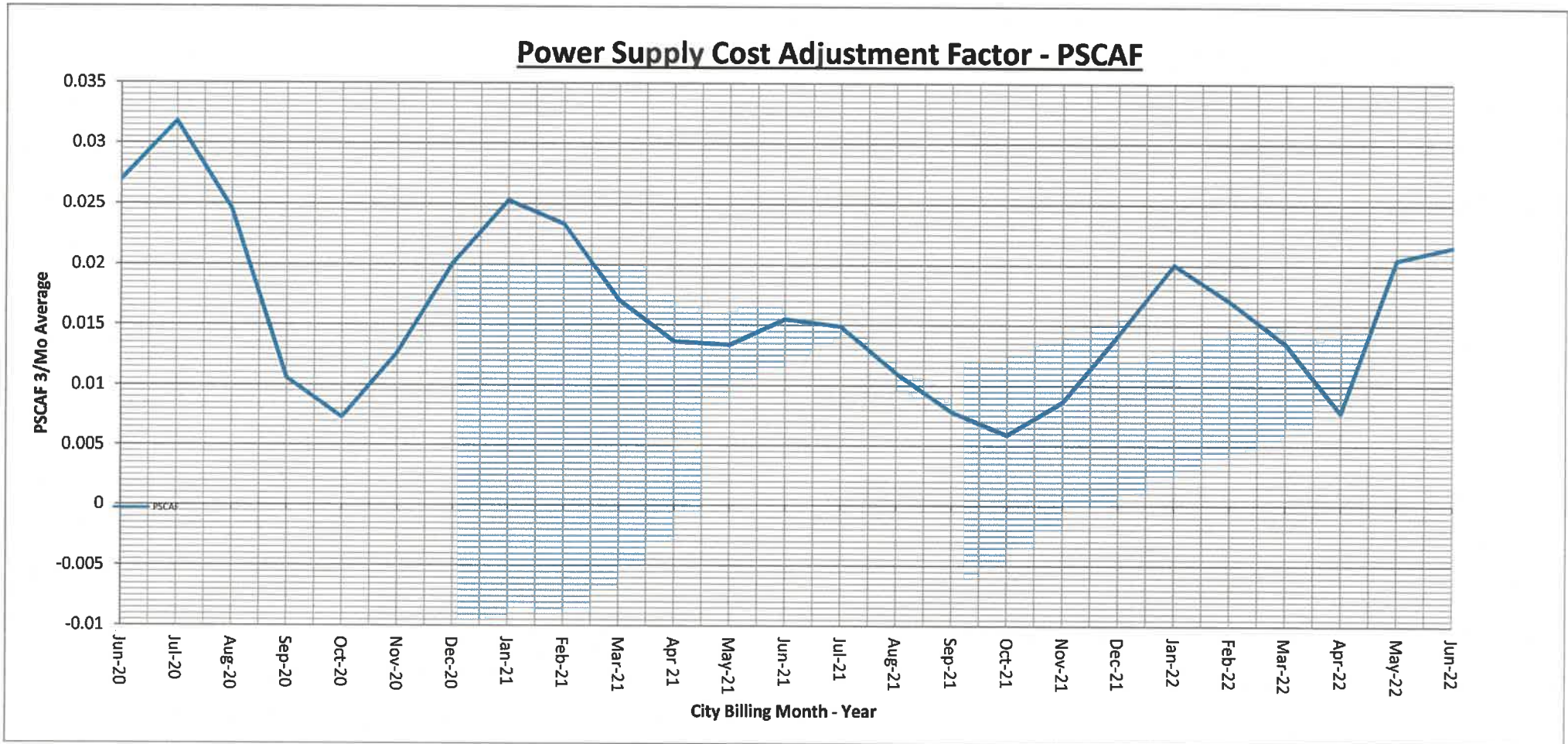
iNovember 2020 PSCAF is up because the approved credits/adjustments are now off of the three month rolling average

**** Addition of \$344,986.22 from sale of JV5 Recs on February 2022 City Billing Month- AMP December 2021 Power Billing Invoice

‡ Addition of \$193,082.78 from sale of JV5 Recs on April 2022 City Billing Month- AMP February 2022 Power Billing Invoice

* reduced PSCAF for June 22 from \$0.02489 to \$0.02156 to reflect corrected PSCAF with adjustment for May 22 by -\$0.003330

PSCAF - Preparer's Signature:				PSCAF - Reviewers Signature:			
Name -	Kevin L. Garringer, Finance Director			Name -	Lori A. Rausch, Utility Billing Administrator		
Signature				Signature			
Date	5-18-22			Date	5-18-22		





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

INVOICE NUMBER: 1003231
 INVOICE DATE: 13-MAY-22
 DUE DATE: 31-MAY-22
 TOTAL AMOUNT DUE: \$1,163,207.66
 CUSTOMER NUMBER 5020
 CUSTOMER P.O. #:

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

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

City of Napoleon Power Billing – April, 2022

Municipal Peak: 19,718 kW
 Total Metered Energy: 11,125,224 kWh

Total Power Charges: \$774,528.03
 Total Transmission/Capacity/Ancillary Services: \$379,572.19
 Total Other Charges: \$9,107.44
 Total Miscellaneous Charges: \$0.00

TOTAL CHARGES \$1,163,207.66

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

Wire or ACH Transfer Information:

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

Mailing Address:

AMP Inc.
 Department L614
 Columbus, OH 43260

**DETAIL INFORMATION OF POWER CHARGES April, 2022
City of Napoleon**

FOR THE MONTH OF:	April, 2022	Total Metered Load kWh:	11,125,224
		Transmission Losses kWh:	-29,019
		Distribution Losses kWh:	0
		Total Energy Req. kWh:	11,096,205
Time of Pool Peak:	04/25/2022 @ H.E. 13:00	Coincident Peak kW:	17,565
Time of Municipal Peak:	04/19/2022 @ H.E. 11:00	Municipal Peak kW:	19,718
Transmission Peak:	June,29,2021 @ H.E. 15:00	Transmission Peak kW:	30,320
		PJM Capacity Requirement kW:	27,922

City of Napoleon Resources

AMP CT - Sched @ ATSI			
Demand Charge:	\$2.944540 kW	12,400 kW =	\$36,512.30
Transmission Credit:			-\$53,615.52
Capacity Credit:	\$3.759500 kW	-12,400 kW =	-\$46,617.80
Subtotal			-\$63,721.02
Fremont - sched @ Fremont			
Demand Charge:	\$3.521790 kW	8,767 kW =	\$30,875.53
Energy Charge:	\$0.046098 kWh	2,248,825 kWh =	\$103,665.52
Net Congestion, Losses, FTR:			\$3,223.43
Capacity Credit:	\$5.052223 kW	-8,767 kW =	-\$44,292.84
Debt Service:	\$4.615970 kW	8,767 kW =	\$40,468.21
Adjustment for prior month:			\$67.08
Subtotal			2,248,825 kWh
			\$134,006.93
AMP Hydro CSW - Sched @ PJMC			
Demand Charge:	\$53.540000 kW	3,498 kW =	\$187,282.92
Energy Charge:	\$0.026000 kWh	1,475,204 kWh =	\$38,355.31
Net Congestion, Losses, FTR:			\$11,471.43
Capacity Credit:	\$1.012370 kW	-3,498 kW =	-\$3,541.27
REC Credit (Estimate):			-\$9,957.63
Subtotal			1,475,204 kWh
			\$223,610.76
Meldahl Hydro - Sched @ Meldahl Bus			
Demand Charge:	\$32.007579 kW	504 kW =	\$16,131.82
Energy Charge:	\$0.026000 kWh	241,903 kWh =	\$6,289.47
Net Congestion, Losses, FTR:			\$438.23
Capacity Credit:	\$4.244881 kW	-504 kW =	-\$2,139.42
REC Credit (Estimate):			-\$1,632.84
Subtotal			241,903 kWh
			\$19,087.26
JV6 - Sched @ ATSI			
Demand Charge:	\$7.991822 kW	225 kW =	\$1,798.16
Energy Charge:		6,895 kWh =	
Transmission Credit:	\$0.187778 kW	-225 kW =	-\$42.25
Capacity Credit:	\$0.842400 kW	-225 kW =	-\$189.54
Subtotal			\$1,566.37
Greenup Hydro - Sched @ Greenup Bus			
Demand Charge:	\$26.199606 kW	330 kW =	\$8,645.87
Energy Charge:	\$0.009000 kWh	46,409 kWh =	\$417.68
Net Congestion, Losses, FTR:			-\$16.93
Capacity Credit:	\$3.464455 kW	-330 kW =	-\$1,143.27
REC Credit (Estimate):			-\$313.26
Subtotal			46,409 kWh
			\$7,590.09
Prairie State - Sched @ PJMC			
Demand Charge:	\$11.951075 kW	4,976 kW =	\$59,468.55
Energy Charge:	\$0.005765 kWh	3,461,370 kWh =	\$19,955.93
Net Congestion, Losses, FTR:			\$26,765.16
Capacity Credit:	\$3.843577 kW	-4,976 kW =	-\$19,125.64
Debt Service:	\$22.991365 kW	4,976 kW =	\$114,405.03
Transmission from PSEC to PJM/MISO, including non-Prairie State variable charges/credits:	\$0.020133 kWh	3,461,370 kWh =	\$69,686.99
Subtotal			3,461,370 kWh
			\$271,156.02

**DETAIL INFORMATION OF POWER CHARGES April, 2022
City of Napoleon**

NYPA - Sched @ NYIS

Demand Charge:	\$4.084926 kW	940 kW =	\$3,839.83
Energy Charge:	\$0.026681 kWh	644,463 kWh =	\$17,195.05
Net Congestion, Losses, FTR:			\$4,536.49
Capacity Credit:	\$5.230000 kW	-935 kW =	-\$4,890.05
Subtotal		644,463 kWh	\$20,681.32

JV5 - 7X24 @ ATSI

Demand Charge:	\$13.092617 kW	3,088 kW =	\$40,430.00
Energy Charge:	\$0.020498 kWh	2,223,360 kWh =	\$45,574.67
Transmission Credit:	\$6.187801 kW	-3,088 kW =	-\$19,107.93
Capacity Credit:	\$5.227497 kW	-3,088 kW =	-\$16,142.51
Debt Service (current month):	\$17.660712 kW	3,088 kW =	\$54,536.28
Subtotal		2,223,360 kWh	\$105,290.51

JV5 Losses - Sched @ ATSI

Energy Charge:		32,472 kWh =	
Subtotal		32,472 kWh	\$0.00

JV2 - Sched @ ATSI

Demand Charge:	\$3.010000 kW	264 kW =	\$794.64
Energy Charge:		26 kWh =	
Transmission Credit:	\$5.190492 kW	-264 kW =	-\$1,370.29
Capacity Credit:	\$4.913826 kW	-264 kW =	-\$1,297.25
JV2 Project Fuel Costs not recovered through Energy Sales to Market :			\$4.29
Subtotal		26 kWh	-\$1,868.61

AMP Solar Phase I - Sched @ ATSI

Demand Charge:		1,040 kW =	
Energy Charge:	\$0.041279 kWh	122,452 kWh =	\$5,054.69
Transmission Credit:			-\$3,905.70
Capacity Credit:	\$2.831077 kWh	-1,040 kWh =	-\$2,944.32
Subtotal		122,452 kWh	-\$1,795.33

Efficiency Smart Power Plant 2020-23

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

Northern Power Pool -

On Peak Energy Charge: (M-F HE 08-23 EDT)	\$0.072143 kWh	1,087,528 kWh =	\$78,457.05
Off Peak Energy Charge:	\$0.055798 kWh	697,752 kWh =	\$38,933.07
Sale of Excess Non-Pool Resources to Pool:	\$0.061733 kWh	-1,192,453 kWh =	-\$73,613.55
Pool Congestion Hedge:			-\$3,981.35
Subtotal		592,827 kWh	\$39,795.22

TRANSMISSION / CAPACITY / ANCILLARY SERVICES -

Demand Charge:	\$6.187801 kW	30,320 kW =	\$187,614.14
Energy Charge:	\$0.000675 kWh	8,872,845 kWh =	\$5,985.03
RPM (Capacity) Charges:	\$6.660448 kW	27,922 kW =	\$185,973.02
Subtotal			\$379,572.19

OTHER CHARGES:

Dispatch Center Charges:		11,125,224 kWh =	
Service Fee A	\$0.000229 kWh	11,593,039 kWh =	\$2,654.81
Service Fee B	\$0.000580 kWh	11,125,224 kWh =	\$6,452.63
Subtotal			\$9,107.44

Total Demand Charges			\$381,673.56
Total Energy Charges			\$392,854.47
Total Transmission/Capacity/Ancillary Services			\$379,572.19
Total Other Charges			\$9,107.44
Total Miscellaneous Charges			\$0.00

GRAND TOTAL POWER INVOICE

\$1,163,207.66

BILLING SUMMARY AND CONSUMPTION for BILLING CYCLE -June, 2022

2022 - JUNE BILLING WITH APRIL 2022 AMP BILLING PERIOD AND MAY 2022 CITY CONSUMPTION AND BILLING DATA

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

DATA PERIOD	MONTH / YR	DAYS IN MONTH MUNICIPAL PEAK							
AMP-Ohio Bill Month	APRIL, 2022	30	19.718						
City-System Data Month	MAY, 2022	31							
City-Monthly Billing Cycle	JUNE, 2022	30							
	=====CONTRACTED AND OPEN MARKET POWER=====				==PEAKING==		=====HYDRO POWER=====		
PURCHASED POWER-RESOURCES ->	AMP CT	FREMONT ENERGY	PRAIRIE STATE SCHED. @ PJMC	MORGAN STNLY. REPLMNT.2015-20	NORTHERN POWER POOL	JV-2 PEAKING	AMP-HYDRO CSW	MELDAHL-HYDRO SCHED. @	GREENUP HYDRO SCHED. @
	SCHED. @ ATSI	SCHEDULED	REPLMT@ PJMC	7x24 @ AD		SCHED. @ ATSI	SCHED. @ PJMC	MELDAHL BUS	GREENUP BUS
Delivered kWh (On Peak) ->	0	2,248,825	3,461,370		1,087,528	26	1,475,204	241,903	46,409
Delivered kWh (Off Peak) ->					697,752				
Delivered kWh (Replacement/Losses/Offset) ->									
Delivered kWh/Sale (Credits) ->					-1,192,453				
Net Total Delivered kWh as Billed ->	0	2,248,825	3,461,370	0	592,827	26	1,475,204	241,903	46,409
Percent % of Total Power Purchased->	0.0000%	20.2668%	31.1942%	0.0000%	5.3426%	0.0002%	13.2947%	2.1801%	0.4182%
COST OF PURCHASED POWER:									
DEMAND CHARGES (+Debits)									
Demand Charges	\$36,512.30	\$30,875.53	\$59,468.55			\$794.64	\$187,282.92	\$16,131.82	\$8,645.87
Debt Services (Principal & Interest)		\$40,468.21	\$114,405.03						
DEMAND CHARGES (-Credits)									
Transmission Charges (Demand-Credits)	-\$53,615.52					-\$1,370.29			
Capacity Credit	-\$46,617.80	-\$44,292.84	-\$19,125.64			-\$1,297.25	-\$3,541.27	-\$2,139.42	-\$1,143.27
Sub-Total Demand Charges	-\$63,721.02	\$27,050.90	\$154,747.94	\$0.00	\$0.00	-\$1,872.90	\$183,741.65	\$13,992.40	\$7,502.60
ENERGY CHARGES (+Debits):									
Energy Charges - (On Peak)	\$0.00	\$103,665.52	\$19,955.93		\$78,457.05		\$38,355.31	\$6,289.47	\$417.68
Energy Charges - (Replacement/Off Peak)					\$38,933.07				
Net Congestion, Losses, FTR		\$3,223.43	\$26,765.16				\$11,471.43	\$438.23	
Transmission Charges (Energy-Debits)			\$69,686.99						
ESPP Charges									
Bill Adjustments (General & Rate Levelization)		\$67.08							
ENERGY CHARGES (-Credits or Adjustments):									
Energy Charges - On Peak (Sale or Rate Stabilization)					-\$73,613.55				
Net Congestion, Losses, FTR									-\$16.93
Bill Adjustments (General & Rate Levelization)					-\$3,981.35	\$4.29	-\$9,957.63	-\$1,632.84	-\$313.26
Sub-Total Energy Charges	\$0.00	\$106,956.03	\$116,408.08	\$0.00	\$39,795.22	\$4.29	\$39,869.11	\$5,094.86	\$87.49
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	-\$63,721.02	\$134,006.93	\$271,156.02	\$0.00	\$39,795.22	-\$1,868.61	\$223,610.76	\$19,087.26	\$7,590.09
Percent % of Total Power Cost->	-5.4780%	11.5205%	23.3111%	0.0000%	3.4212%	-0.1606%	19.2236%	1.6409%	0.6525%
Purchased Power Resources - Cost per kWh->	\$0.000000	\$0.059590	\$0.078338	\$0.000000	\$0.067128	-\$1.869615	\$0.151580	\$0.078905	\$0.163548

BILLING SUMMARY AND CONS

2022 - JUNE BILLING WITH APRIL 2022 AMP BI

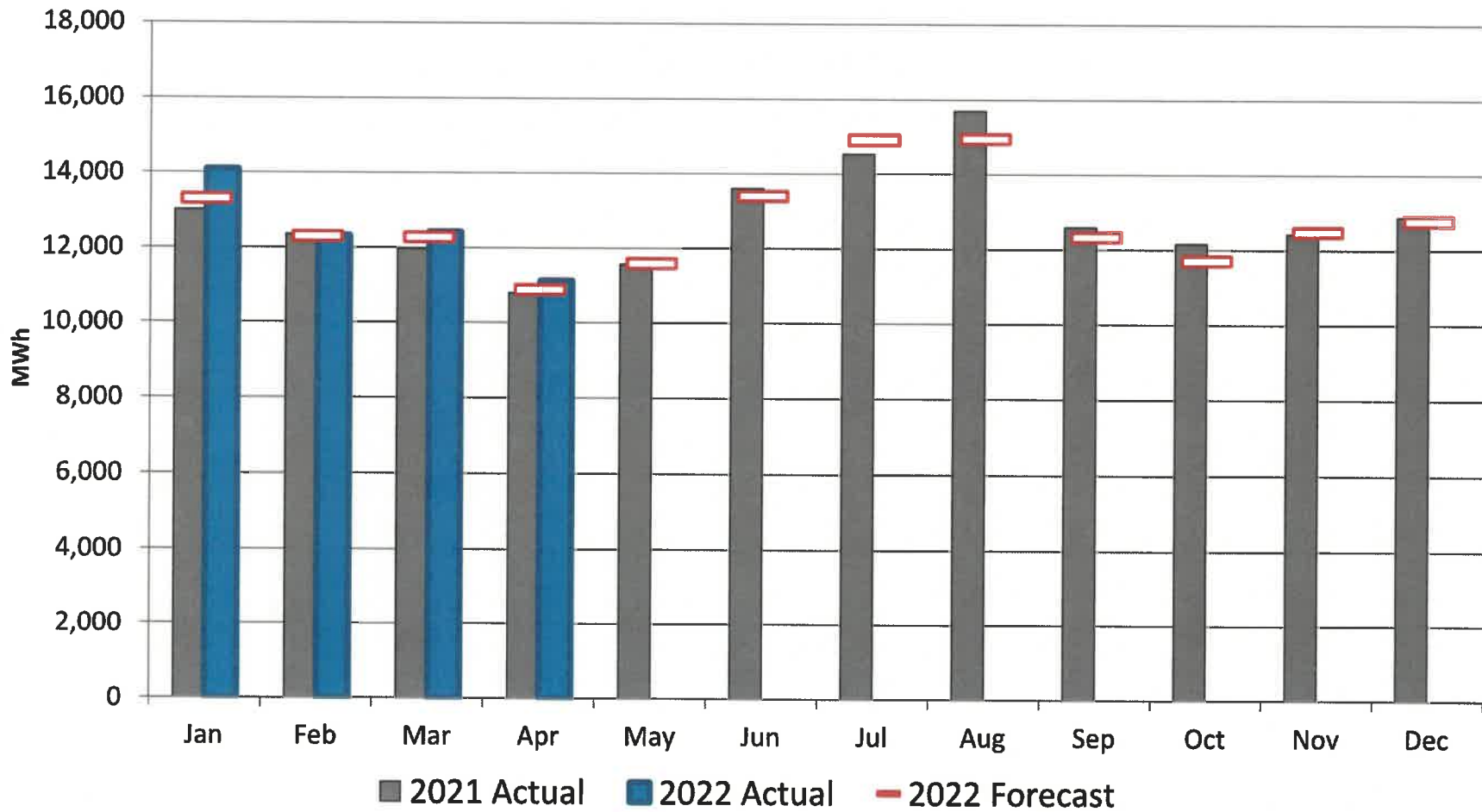
PREVIOUS MONTH'S POWER BILLS - PU

DATA PERIOD																				
AMP-Ohio Bill Month																				
City-System Data Month																				
City-Monthly Billing Cycle																				
	NYPA		JV-5		JV-6		AMP SOLAR		EFFNCY.SMART		TRANSMISSION, SERVICE FEES & MISC. CONTRACTS		TOTAL -							
	HYDRO		HYDRO		WIND		PHASE 1		POWER PLANT		CHARGES		DISPATCH, A & B		MISCELLANEOUS		ALL			
	SCHED. @ NYIS	7x24 @ ATSI	SCHED. @ ATSI	SCHED. @ ATSI	SCHED. @ ATSI	2017 - 2020	Other Charges	Other Charges	Other Charges	Other Charges	Other Charges	Other Charges	Other Charges	Other Charges	Other Charges	Other Charges	Other Charges	Other Charges	Other Charges	
PURCHASED POWER-RESOURCES ->																				
Delivered kWh (On Peak) ->	644,463	2,223,360	6,895	122,452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Delivered kWh (Off Peak) ->																				
Delivered kWh (Replacement/Losses/Offset) ->		32,472																		
Delivered kWh/Sale (Credits) ->																				
Net Total Delivered kWh as Billed ->	644,463	2,255,832	6,895	122,452	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11,096,206	
Percent % of Total Power Purchased->	5.8080%	20.3298%	0.0621%	1.1035%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	100.0002%	
																			100.0000%	
COST OF PURCHASED POWER:																				
DEMAND CHARGES (+Debits)																				
Demand Charges	\$3,839.83	\$40,430.00	\$1,798.16			\$0.00	\$187,614.14												\$573,393.76	
Debt Services (Principal & Interest)		\$54,536.28																	\$209,409.52	
DEMAND CHARGES (-Credits)																				
Transmission Charges (Demand-Credits)		-\$19,107.93	-\$42.25																-\$74,135.99	
Capacity Credit	-\$4,890.05	-\$16,142.51	-\$189.54																-\$139,379.59	
Sub-Total Demand Charges	-\$1,050.22	\$59,715.84	\$1,566.37	\$0.00	\$0.00	\$187,614.14	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$569,287.70	
ENERGY CHARGES (+Debits):																				
Energy Charges - (On Peak)	\$17,195.05	\$45,574.67		\$5,054.69	\$0.00	\$5,985.03													\$320,950.40	
Energy Charges - (Replacement/Off Peak)																			\$38,933.07	
Net Congestion, Losses, FTR	\$4,536.49																		\$46,434.74	
Transmission Charges (Energy-Debits)				-\$3,905.70															\$65,781.29	
ESPP Charges						\$19,128.51													\$19,128.51	
Bill Adjustments (General & Rate Levelization)																			\$67.08	
ENERGY CHARGES (-Credits or Adjustments):																				
Energy Charges - On Peak (Sale or Rate Stabilization)																			-\$73,613.55	
Net Congestion, Losses, FTR					-\$2,944.32	\$0.00													-\$2,961.25	
Bill Adjustments (General & Rate Levelization)	\$0.00																		-\$15,880.79	
Sub-Total Energy Charges	\$21,731.54	\$45,574.67	\$0.00	-\$1,795.33	\$19,128.51	\$5,985.03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$398,839.50	
TRANSMISSION & SERVICE CHARGES, MISC.:																				
RPM / PJM Charges Capacity - (+Debit)											\$185,973.02								\$185,973.02	
RPM / PJM Charges Capacity - (-Credit)																			\$0.00	
Service Fees AMP-Dispatch Center - (+Debit/-Credit)													\$0.00						\$0.00	
Service Fees AMP-Part A - (+Debit/-Credit)													\$2,654.81						\$2,654.81	
Service Fees AMP-Part B - (+Debit/-Credit)													\$6,452.63						\$6,452.63	
Other Charges & Bill Adjustments - (+Debit/-Credit)																		\$0.00	\$0.00	
Sub-Total Service Fees & Other Charges	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$185,973.02	\$9,107.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$195,080.46	
TOTAL NET COST OF PURCHASED POWER	\$20,681.32	\$105,290.51	\$1,566.37	-\$1,795.33	\$19,128.51	\$379,572.19	\$9,107.44	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$1,163,207.66	
Percent % of Total Power Cost->	1.7780%	9.0517%	0.1347%	-0.1543%	1.6445%	32.6315%	0.7830%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	0.0000%	100.000%	
Purchased Power Resources - Cost per kWh->	\$0.032091	\$0.046675	\$0.227175	-\$0.014662	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.104829	
																			Verification Total ->	
																			\$1,163,207.66	
																			\$0.073844	
																			\$0.073844	

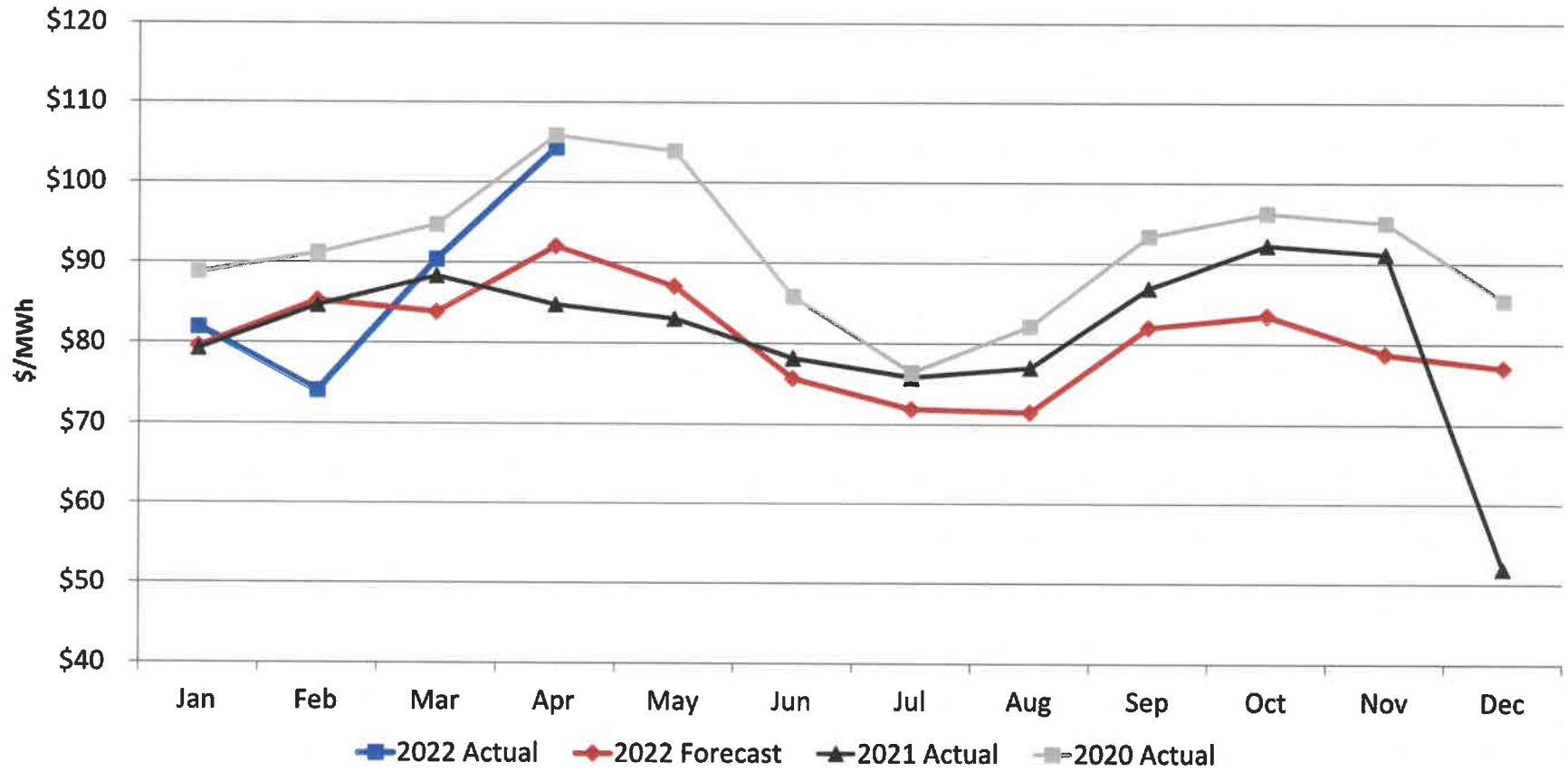
(Northern Pool Power - On-Peak + Off-Peak - Energy Charge/kWH) = JV2 Electric Service Rate -> \$0.073844
 (Northern Pool Power - On-Peak + Off-Peak - Energy Charge/kWH) = JV5 Electric Service Rate -> \$0.073844

Napoleon Capacity Plan - Actual														
Apr	2022	ACTUAL DEMAND =		19.72	MW									
Days	30	ACTUAL ENERGY =		11,125	MWH									
	SOURCE	DEMAND	DEMAND	ENERGY	LOAD	DEMAND	ENERGY	CONGESTION/L	CAPACITY	TRANSMISSION	TOTAL	EFFECTIVE	%	
	(1)	MW	MW-MO	MWH	FACTOR	RATE	RATE	OSSES	CREDIT RATE	CREDIT RATE	CHARGES	RATE	OF	
		(2)	(3)	(4)	(5)	\$/KW	\$/MWH	\$/MWH	\$/KW	\$/KW	(16)	\$/MWH	DOLLARS	
		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(16)	(17)	(18)	
1	NYPA - Ohio	0.94	0.94	644	95%	\$4.08	\$26.68	\$7.04	-\$5.20		\$20,681	\$32.09	1.8%	
2	JV5	3.09	3.09	2,223	100%	\$30.75	\$20.50		-\$5.23	-\$6.19	\$105,291	\$47.36	9.1%	
3	JV5 Losses	0.00	0.00	32	0%						\$0		0.0%	
4	JV6	0.23	0.23	7	4%	\$7.99			-\$0.84	-\$0.19	\$1,566	\$227.17	0.1%	
5	AMP-Hydro	3.50	3.50	1,475	59%	\$53.54	\$19.25	\$7.78	-\$1.01		\$223,611	\$151.58	19.3%	
6	Meldahl	0.50	0.50	242	67%	\$32.01	\$19.25	\$1.81	-\$4.24		\$19,087	\$78.90	1.6%	
7	Greenup	0.33	0.33	46	20%	\$26.20	\$2.25	-\$0.36	-\$3.46		\$7,590	\$163.55	0.7%	
8	AFEC	8.77	8.77	2,249	36%	\$8.14	\$46.13	\$1.43	-\$5.05		\$134,007	\$59.59	11.5%	
9	Prairie State	4.98	4.98	3,481	97%	\$34.94	\$25.90	\$7.73	-\$3.84		\$271,156	\$78.34	23.4%	
10	AMP Solar Phase I	1.04	1.04	122	16%		\$41.28		-\$2.83	-\$3.76	-\$1,795	-\$14.66	-0.2%	
11	AMPCT	12.40	12.40	0	0%	\$2.94			-\$3.76	-\$4.32	-\$63,721		-5.5%	
12	JV2	0.26	0.26	0	0%	\$3.01			-\$4.91	-\$5.19	-\$1,869		-0.2%	
13	NPP Pool Purchases	0.00	0.00	1,785	0%		\$63.52				\$113,398	\$63.52	9.8%	
14	NPP Pool Sales	0.00		-1,192	0%		\$51.73				-\$73,614	\$51.73	-6.3%	
	POWER TOTAL	36.03	36.03	11,096	43%	\$595.189	\$334.148	\$4.15	-\$142.324	-\$78.042	\$755.389	\$58.08	65.1%	
15	Energy Efficiency			0							\$19,129		1.6%	
16	Installed Capacity	27.92	27.92			\$6.66					\$185,973	\$16.72	16.0%	
17	Transmission	30.32	30.32	8,873		\$6.19	\$0.67				\$193,599	\$17.40	16.7%	
18	Service Fee B			11,125			\$0.58				\$6,453	\$0.58	0.6%	
19	Dispatch Charge			11,125							\$0		0.0%	
	OTHER TOTAL					\$373.567	\$31.566				\$405.153	\$36.42	34.9%	
GRAND TOTAL PURCHASED				11,096							\$1,160,542			
Delivered to members		19,718	19,718	11,125	78%						\$1,160,542	\$104.32	100.0%	
	2022 Forecast	19.47		10,869	78%						TOTAL \$	\$/MWh	Avg Temp	
	2021 Actual	20.10		10,802	75%						\$999,758	\$91.98	49.4	
	2020 Actual	17.83		9,956	78%						\$915,232	\$84.73	52.3	
											\$1,053,851	\$105.85	47.8	
											Actual Temp		49.0	

Napoleon 2022 Monthly Energy Usage



Napoleon 2022 Monthly Rates

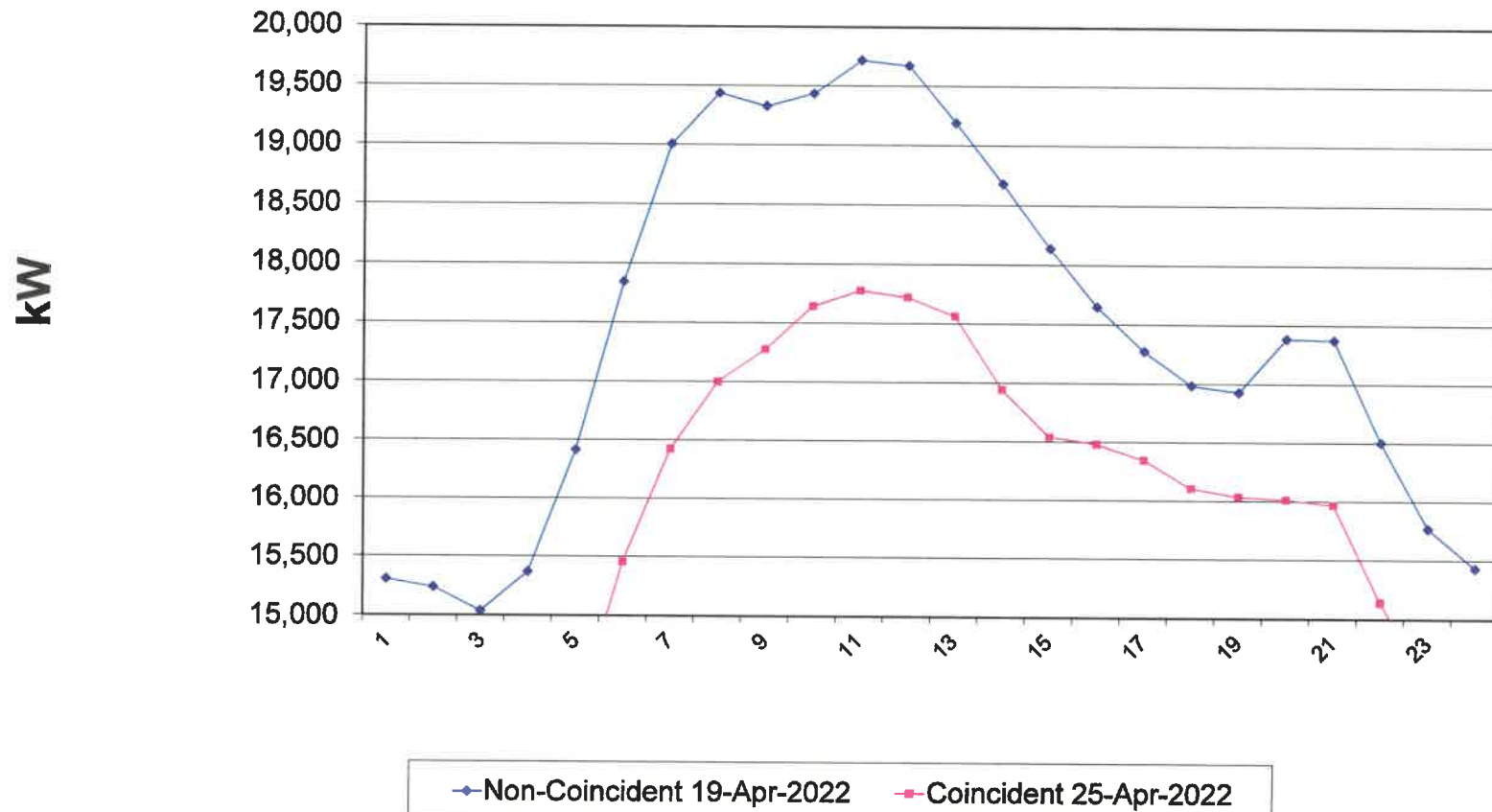


NAPOLEON

Date	Friday 4/1/2022	Saturday 4/2/2022	Sunday 4/3/2022	Monday 4/4/2022	Tuesday 4/5/2022	Wednesday 4/6/2022	Thursday 4/7/2022	Friday 4/8/2022	Saturday 4/9/2022	Sunday 4/10/2022	Monday 4/11/2022	Tuesday 4/12/2022	Wednesday 4/13/2022	Thursday 4/14/2022	Friday 4/15/2022
100	14,907	14,142	13,163	13,852	14,112	14,062	14,350	14,709	13,972	13,087	13,064	13,735	13,370	13,104	12,427
200	14,397	13,963	13,283	13,983	14,033	13,975	14,281	14,507	13,850	13,101	13,187	13,602	13,216	13,071	12,190
300	14,203	13,832	13,193	13,981	14,194	14,060	14,104	14,354	13,778	13,049	13,148	13,700	13,256	12,857	12,052
400	14,667	13,993	13,133	14,258	14,655	14,304	14,409	14,611	14,000	13,255	13,465	14,166	13,659	13,214	12,169
500	15,562	14,465	13,344	15,240	15,584	15,086	14,957	15,394	14,238	13,432	14,498	14,941	14,286	14,307	12,590
600	16,930	14,849	13,606	16,915	17,032	16,417	16,399	17,068	14,619	13,946	16,026	16,177	15,643	15,601	13,569
700	18,133	15,381	14,096	18,563	18,079	17,407	17,249	17,989	15,057	14,232	17,112	17,302	16,425	16,538	14,120
800	18,300	15,944	15,038	18,776	18,222	18,029	17,700	18,401	15,999	14,638	17,305	17,777	17,084	17,238	14,682
900	18,551	16,168	15,434	18,906	18,321	17,952	18,090	18,680	16,256	14,729	17,525	17,689	17,709	17,555	14,998
1000	18,700	16,164	15,231	19,137	18,238	17,844	18,230	18,450	16,179	14,707	17,426	17,502	17,657	17,486	15,069
1100	18,921	15,615	15,328	19,091	18,110	17,848	18,403	18,700	16,114	14,644	17,565	17,530	17,865	17,598	15,013
1200	18,822	15,338	15,283	18,822	17,911	18,151	18,185	18,410	15,781	14,406	17,390	17,218	17,784	17,271	14,631
1300	18,695	15,021	15,141	18,445	17,585	18,041	18,246	17,903	15,718	14,078	17,102	17,102	17,894	16,987	14,278
1400	18,578	14,595	14,647	17,805	17,229	17,735	17,696	17,687	15,606	13,551	16,843	17,085	17,504	16,627	14,232
1500	18,057	14,611	14,573	17,093	16,863	17,369	17,031	17,322	15,454	13,355	16,574	16,643	17,227	16,298	13,937
1600	17,525	14,316	14,513	16,662	16,329	17,611	17,011	16,895	15,454	13,290	16,310	16,255	16,863	15,661	13,598
1700	16,904	14,257	14,840	16,340	16,199	17,132	16,901	16,621	15,622	13,366	16,414	15,772	16,516	15,633	13,533
1800	16,581	14,272	14,716	16,072	16,086	16,388	16,833	16,357	15,440	13,568	16,252	15,682	16,025	15,532	13,273
1900	16,474	14,487	14,866	15,989	16,242	16,191	16,675	16,166	15,709	13,759	16,126	16,034	15,690	15,375	13,276
2000	16,986	14,946	15,548	16,405	16,811	16,853	17,235	16,343	16,076	14,580	16,140	16,344	16,042	16,015	13,602
2100	16,952	14,820	15,186	15,950	16,292	16,641	16,824	16,325	15,780	14,483	15,730	15,890	15,775	15,918	13,484
2200	16,168	14,093	14,547	15,213	15,562	15,751	16,017	15,591	14,980	14,007	14,859	14,996	15,060	14,371	12,939
2300	14,965	13,696	14,428	14,722	14,747	15,021	15,151	14,732	14,126	13,702	14,188	14,153	14,236	13,248	12,355
2400	14,389	13,282	14,084	14,308	14,244	14,679	14,806	14,297	13,546	13,272	13,765	13,871	13,475	12,799	11,755
Total	404,367	352,050	347,231	396,528	392,682	394,547	396,783	397,512	363,354	332,247	378,014	381,166	380,261	370,304	323,772

Date	Saturday 4/16/2022	Sunday 4/17/2022	Monday 4/18/2022	Tuesday 4/19/2022	Wednesday 4/20/2022	Thursday 4/21/2022	Friday 4/22/2022	Saturday 4/23/2022	Sunday 4/24/2022	Monday 4/25/2022	Tuesday 4/26/2022	Wednesday 4/27/2022	Thursday 4/28/2022	Friday 4/29/2022	Saturday 4/30/2022	Sunday 5/1/2022
100	11,514	11,877	14,006	15,307	15,208	14,299	13,491	12,641	11,331	13,131	13,849	14,548	14,612	14,080	12,473	-
200	11,449	11,783	14,042	15,239	15,102	14,144	13,270	12,438	10,994	13,099	13,759	14,618	14,722	13,871	12,263	-
300	11,304	11,789	13,904	15,040	15,177	14,275	13,385	12,319	10,823	12,973	13,502	14,793	14,643	13,816	12,193	-
400	11,446	11,959	14,198	15,371	15,631	14,588	13,700	12,710	10,787	13,240	13,729	15,150	15,051	14,180	12,318	-
500	11,665	12,259	15,184	16,417	16,234	15,210	14,648	12,874	10,940	14,087	14,494	16,122	15,971	14,984	12,605	-
600	12,188	12,569	16,399	17,844	17,757	16,653	15,963	13,026	11,060	15,458	14,999	17,458	17,209	16,313	12,963	-
700	12,910	12,988	17,344	19,006	18,688	17,794	16,865	13,140	11,461	16,426	14,936	18,355	17,678	17,184	13,422	-
800	13,816	13,606	18,308	19,437	19,068	17,997	17,299	13,686	12,274	17,001	17,470	18,579	18,115	17,715	13,871	-
900	14,357	13,858	18,919	19,327	19,003	18,082	17,878	13,961	12,963	17,278	17,974	18,781	18,086	17,608	14,262	-
1000	14,395	13,794	19,134	19,434	18,825	18,229	17,695	13,866	13,459	17,645	18,267	18,665	18,216	17,418	14,345	-
1100	14,164	13,806	19,380	19,718	18,609	18,223	17,950	14,171	13,894	17,778	18,555	18,271	18,102	17,077	14,217	-
1200	13,798	13,303	19,544	19,675	18,313	17,846	17,834	14,211	14,082	17,723	18,611	18,273	17,940	16,935	13,830	-
1300	13,624	12,723	19,544	19,192	18,041	17,587	17,744	13,975	14,031	17,565	18,456	18,270	17,660	16,769	13,342	-
1400	13,206	12,081	19,307	18,680	17,829	17,364	17,243	13,822	14,258	16,946	17,988	17,891	17,369	16,318	11,474	-
1500	13,136	12,028	18,807	18,136	17,578	17,112	16,922	13,777	14,335	16,546	17,620	17,351	16,818	16,089	12,344	-
1600	13,041	12,014	18,436	17,646	17,220	16,592	16,396	13,601	14,518	16,484	17,294	16,656	16,478	15,429	12,251	-
1700	13,055	12,097	18,113	17,273	16,989	15,848	16,037	13,715	14,857	16,349	17,070	16,301	16,210	14,916	12,178	-
1800	12,932	12,444	17,884	16,984	16,526	15,510	15,787	13,802	14,845	16,109	17,018	16,297	16,215	14,677	12,266	-
1900	13,049	13,293	17,651	16,928	16,759	15,470	15,820	13,608	14,836	16,036	16,787	16,300	16,342	14,519	12,285	-
2000	13,591	14,295	17,829	17,384	17,115	15,739	16,011	13,582	15,223	16,014	16,968	16,722	16,472	14,978	12,740	-
2100	13,755	14,607	17,328	17,372	16,856	16,002	15,984	13,829	14,870	15,967	16,919	16,862	16,648	15,311	12,856	-
2200	13,541	14,118	16,424	16,503	16,074	14,966	15,208	13,299	14,226	15,144	16,023	15,871	15,860	14,517	12,418	-
2300	12,974	14,307	15,803	15,767	15,152	14,220	13,814	12,548	13,941	14,471	15,251	15,218	15,240	13,471	11,859	-
2400	12,094	14,044	15,684	15,433	14,655	13,822	12,946	11,834	13,456	14,073	14,822	14,823	14,754	12,817	11,368	-
Total	311,004	297,578	413,172	419,113	408,409	387,572	379,890	320,535	317,464	377,543	392,361	402,175	396,411	370,992	306,143	-
											Maximum	19,718	Minimum	10,787	Grand Total	11,125,224

Napoleon Peak Day Load Curve



RATE REVIEW COMPARISONS - Current to Prior Month and Prior Year

2022 JUNE BILLING - ELECTRIC PSCAF - BILLING COMPARISONS TO PRIOR PERIODS										
Rate Comparisons to Prior Month and Prior Year for Same Period										
	Service	Service	Current	Prior Month	Prior Year			Current	Prior Month	Prior Year
Customer Type	Usage	Units	JUNE 2022 Rate	MAY 2022 Rate	JUNE 2021 Rate	Service	Service	JUNE 2022 Rate	MAY 2022 Rate	JUNE 2021 Rate
<i>Customer Type -></i>			<u>RESIDENTIAL USER - (w/Gas Heat)</u>			<u>RESIDENTIAL USER - (All Electric)</u>				
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	\$21.09	\$16.77	\$15.16	1,976	kWh	\$42.60	\$33.89	\$30.63
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			\$123.77	\$119.45	\$117.84			\$235.03	\$226.32	\$223.06
Water	6	CCF	\$63.37	\$63.37	\$50.55	11	CCF	\$105.21	\$105.21	\$83.14
Sewer (w/Strm.Sew. & Lat.)	6	CCF	\$78.27	\$78.27	\$70.89	11	CCF	\$112.42	\$112.42	\$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			\$169.14	\$169.14	\$148.94			\$245.13	\$245.13	\$209.53
Total Billing - All Services			\$292.91	\$288.59	\$266.78			\$480.16	\$471.45	\$432.59
<i>Verification Totals-></i>			\$292.91	\$288.59	\$266.78			\$480.16	\$471.45	\$432.59
				<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				\$4.32	\$26.13				\$8.71	\$47.57
% Inc/Dec(-) to Prior Periods				1.50%	9.79%				1.85%	11.00%
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Cost/kWh - Electric	978	kWh	\$0.12655	\$0.12214	\$0.12049	1,976	kWh	\$0.11894	\$0.11453	\$0.11288
% Inc/Dec(-) to Prior Periods				3.61%	5.03%				3.85%	5.37%
Cost/CCF - Water	6	CCF	\$10.56167	\$10.56167	\$8.42500	11	CCF	\$9.56455	\$9.56455	\$7.55818
Cost/GALLONS - Water	4,488	GAL	\$0.01412	\$0.01412	\$0.01126	8,229	GAL	\$0.01279	\$0.01279	\$0.01010
% Inc/Dec(-) to Prior Periods				0.00%	25.36%				0.00%	26.55%
Cost/CCF - Sewer	6	CCF	\$13.04500	\$13.04500	\$11.81500	11	CCF	\$10.22000	\$10.22000	\$8.99000
Cost/GALLON - Sewer	4,488	GAL	\$0.01744	\$0.01744	\$0.01580	8,229	GAL	\$0.01366	\$0.01366	\$0.01202
% Inc/Dec(-) to Prior Periods				0.00%	10.41%				0.00%	13.68%
<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

2022 JUNE BILLING - ELECTRIC										
Rate Comparisons to Prior Month a										
	Service	Service	Current	Prior Month	Prior Year			Current	Prior Month	Prior Year
	Usage	Units	JUNE	MAY	JUNE		Usage	JUNE	MAY	JUNE
Customer Type			2022 Rate	2022 Rate	2021 Rate			2022 Rate	2022 Rate	2021 Rate
Customer Type ->	COMMERCIAL USER - (3 Phase w/Demand)					INDUSTRIAL USER - (3 Phase w/Demand)				
Customer Charge			\$18.00	\$18.00	\$18.00			\$100.00	\$100.00	\$100.00
Distribution Energy Charge	7,040	kWh	\$38.02	\$38.02	\$38.02	98,748	Reactive	\$2,303.85	\$2,303.85	\$2,303.85
Distribution Demand Charge	20.32	kW/Dmd	\$92.86	\$92.86	\$92.86	1510.1	kW/Dmd	\$8,215.30	\$8,215.30	\$8,215.30
Power Supply Energy Charge	7,040	kWh	\$623.04	\$623.04	\$623.04	866,108	kWh	\$39,165.42	\$39,165.42	\$39,165.42
Power Supply Demand Charge								\$15,296.55	\$15,296.55	\$15,296.55
PSCAF - Monthly Factor	7,040	kWh	\$151.78	\$120.74	\$109.12			\$17,739.63	\$14,111.07	\$12,753.45
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			\$954.16	\$923.12	\$911.50			\$85,974.36	\$82,345.80	\$80,988.18
Water	25	CCF	\$217.77	\$217.77	\$170.92	300	CCF	\$2,446.61	\$2,446.61	\$1,936.11
Sewer (w/Stm.Sew. & Lat.)	25	CCF	\$209.44	\$209.44	\$177.29	300	CCF	\$2,087.69	\$2,087.69	\$1,717.29
Storm Water (Rate/ERU)			\$9.50	\$9.50	\$9.50			\$330.00	\$330.00	\$330.00
Refuse (Rate/Service)			\$5.00	\$5.00	\$5.00			\$5.00	\$5.00	\$5.00
Sub-Other Services			\$441.71	\$441.71	\$362.71			\$4,869.30	\$4,869.30	\$3,988.40
Total Billing - All Services			\$1,395.87	\$1,364.83	\$1,274.21			\$90,843.66	\$87,215.10	\$84,976.58
Verification Totals->			\$1,395.87	\$1,364.83	\$1,274.21			\$90,843.66	\$87,215.10	\$84,976.58
				<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				\$31.04	\$121.66				\$3,628.56	\$5,867.08
% Inc/Dec(-) to Prior Periods				2.27%	9.55%				4.16%	6.90%
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Cost/kWh - Electric	7,040	kWh	\$0.13553	\$0.13113	\$0.12947	866,108	kWh	\$0.09927	\$0.09508	\$0.09351
% Inc/Dec(-) to Prior Periods				3.36%	4.68%				4.41%	6.16%
Cost/CCF - Water	25	CCF	\$8.71080	\$8.71080	\$6.83680	300	CCF	\$8.15537	\$8.15537	\$6.45370
Cost/GALLONS - Water	18,701	GAL	\$0.01164	\$0.01164	\$0.00914	224,415	GAL	\$0.01090	\$0.01090	\$0.00863
% Inc/Dec(-) to Prior Periods				0.00%	27.41%				0.00%	26.37%
Cost/CCF - Sewer	25	CCF	\$8.37760	\$8.37760	\$7.09160	300	CCF	\$6.95897	\$6.95897	\$5.72430
Cost/GALLON - Sewer	18,701	GAL	\$0.01120	\$0.01120	\$0.00948	224,415	GAL	\$0.00930	\$0.00930	\$0.00765
% Inc/Dec(-) to Prior Periods				0.00%	18.13%				0.00%	21.57%
<i>(Listed Accounts Assume SAME USA</i>										
<i>(One "1" Unit CCF of Water = "Hundre</i>										

BILLING SUMMARY ANISUMPTION for BILLING CYCLE -June, 2022										
2022 - JUNE BILLING WITH APRIL 2021ING PERIOD AND MAY 2022 CITY CONSUMPTION AND BILLING DATA										
Class and/or Schedule	May-22	May-22	May-22	Billed kVa of Demand	Cost / kWh		Jun-21	Jun-21	Jun-21	Cost / kWh
	# of Bills	(kWh Usage)	Billed		For Month	Prior 12 Mo Average	# of Bills	(kWh Usage)	Billed	For Month
Residential (Dom-In)	3,436	1,834,534	\$239,521.63		\$0.1306	\$0.1203	3,425	1,685,278	\$213,289.73	\$0.1265
Residential (Dom-In) w/Ecosmart	5	2,259	\$299.57		\$0.1326	\$0.1221	6	2,171	\$284.24	\$0.1309
Residential (Dom-In - All Electric)	655	527,792	\$66,908.18		\$0.1268	\$0.1198	630	392,370	\$48,648.28	\$0.1240
Res. (Dom-In - All Elec.) w/Ecosmart	1	442	\$58.75		\$0.1329	\$0.1204	1	466	\$59.28	\$0.1272
Total Residential (Domestic)	4,097	2,365,027	\$306,788.13	0	\$0.1297	\$0.1202	4,062	2,080,285	\$262,261.53	\$0.1261
Residential (Rural-Out)	804	720,415	\$97,386.42	0	\$0.1352	\$0.1269	805	596,093	\$79,024.27	\$0.1326
Residential (Rural-Out) w/Ecosmart	4	2,481	\$347.72	0	\$0.1402	\$0.1291	4	1,996	\$277.61	\$0.1391
Residential (Rural-Out - All Electric)	359	400,926	\$53,308.52	0	\$0.1330	\$0.1255	358	318,436	\$41,492.64	\$0.1303
Res. (Rural-Out - All Electric) w/Ecosmar	2	2,399	\$317.55	0	\$0.1324	\$0.1277	2	1,406	\$187.38	\$0.1333
Residential (Rural-Out w/Dmd)	15	24,852	\$3,227.32	258	\$0.1299	\$0.1223	15	27,799	\$3,453.01	\$0.1242
Residential (Rural-Out - All Electric w/Dm	8	6,841	\$928.51	56	\$0.1357	\$0.1274	9	6,008	\$805.27	\$0.1340
Total Residential (Rural)	1,192	1,157,914	\$155,516.04	314	\$0.1343	\$0.1263	1,193	951,738	\$125,240.18	\$0.1316
Commercial (1 Ph-In - No Dmd)	78	38,229	\$6,180.82	0	\$0.1617	\$0.1548	77	30,849	\$5,005.94	\$0.1623
Commercial (1 Ph-Out - No Dmd)	50	9,241	\$1,868.06	0	\$0.2021	\$0.1858	50	10,285	\$1,960.06	\$0.1906
Total Commercial (1 Ph) No Dmd	128	47,470	\$8,048.88	0	\$0.1696	\$0.1616	127	41,134	\$6,966.00	\$0.1693
Commercial (1 Ph-In - w/Demand)	264	282,496	\$43,577.76	1485	\$0.1543	\$0.1469	259	251,849	\$38,905.48	\$0.1545
Commercial (1 Ph-Out - w/Demand)	24	43,043	\$6,169.53	188	\$0.1433	\$0.1364	24	37,109	\$5,122.22	\$0.1380
Total Commercial (1 Ph) w/Demand	288	325,539	\$49,747.29	1,653	\$0.1528	\$0.1456	283	288,958	\$44,027.70	\$0.1524
Commercial (3 Ph-Out - No Dmd)	2	120	\$52.46	12	\$0.4372	\$0.1482	2	40	\$41.29	\$1.0323
Total Commercial (3 Ph) No Dmd	2	120	\$52.46	12	\$0.4372	\$0.1482	2	40	\$41.29	\$1.0323
Commercial (3 Ph-In - w/Demand)	218	1,550,181	\$212,017.03	5559	\$0.1368	\$0.1286	218	1,606,290	\$212,634.57	\$0.1324
Commercial (3 Ph-Out - w/Demand)	36	243,247	\$33,867.29	1031	\$0.1392	\$0.1304	37	240,458	\$32,584.10	\$0.1355
Commercial (3 Ph-Out - w/Dmd.&Sub-St.	3	129,720	\$16,389.96	443	\$0.1263	\$0.1222	3	76,560	\$9,619.66	\$0.1256
Commercial (3 Ph-In - w/Demand, No Ta	1	1,200	\$173.72	4	\$0.1448	\$0.1282	1	1,240	\$253.65	\$0.2046
Commercial (3 Ph-In - w/Dmd.&Sub-St.C	1	126,720	\$15,579.47	312	\$0.1229	\$0.1162	1	123,360	\$14,647.94	\$0.1187
Total Commercial (3 Ph) w/Demand	259	2,051,068	\$278,027.47	7,349	\$0.1356	\$0.1278	260	2,047,908	\$269,739.92	\$0.1317
Large Power (In - w/Dmd & Rct)	14	1,749,970	\$192,161.06	3839	\$0.1098	\$0.1005	14	1,829,315	\$188,573.99	\$0.1031
Large Power (In - w/Dmd & Rct, w/SbCr)	2	739,657	\$78,271.01	1573	\$0.1058	\$0.0969	2	811,865	\$80,504.86	\$0.0992
Large Power (Out - w/Dmd & Rct, w/SbC	1	223,885	\$25,192.07	525	\$0.1125	\$0.1145	1	271,426	\$31,439.38	\$0.1158
Large Power (In - w/Dmd & Rct, w/SbCr)	2	102,188	\$10,214.52	171	\$0.1000	\$0.1238	2	104,206	\$16,505.38	\$0.1584
Total Large Power	19	2,815,700	\$305,838.66	6,108	\$0.1086	\$0.1013	19	3,016,812	\$317,023.61	\$0.1051
Industrial (In - w/Dmd & Rct, w/SbCr)	1	804,792	\$82,342.20	1671	\$0.1023	\$0.0946	1	732,119	\$71,150.72	\$0.0972
Industrial (In - w/Dmd & Rct, No/SbCr)	1	992,604	\$97,689.52	1787	\$0.0984	\$0.0922	1	881,262	\$84,379.33	\$0.0957
Total Industrial	2	1,797,396	\$180,031.72	3,458	\$0.1002	\$0.0933	2	1,613,381	\$155,530.05	\$0.0964
Interdepartmental (In - No Dmd)	9	29,348	\$3,908.78	93	\$0.1332	\$0.1277	9	24,436	\$3,175.30	\$0.1299
Interdepartmental (Out - w/Dmd)	2	692	\$119.04	0	\$0.1720	\$0.1615	2	719	\$119.18	\$0.1658
Interdepartmental (In - w/Dmd)	27	47,744	\$6,866.48	0	\$0.1438	\$0.1389	26	29,159	\$4,167.14	\$0.1429
Interdepartmental (3Ph-In - w/Dmd)	12	191,038	\$25,070.61	599	\$0.1312	\$0.1260	10	147,672	\$19,382.44	\$0.1313
Interdepartmental (Street Lights)	6	30,685	\$2,950.80	0	\$0.0962	\$0.0965	6	30,685	\$2,963.08	\$0.0966
Interdepartmental (Traffic Signals)	8	1,182	\$109.31	0	\$0.0925	\$0.0925	8	1,180	\$109.12	\$0.0925
Generators (JV2 Power Cost Only)	1	19,242	\$3,303.66	37	\$0.1717	\$0.0000	1	16,051	\$568.04	\$0.0354
Generators (JV5 Power Cost Only)	0	0	\$0.00	0	\$0.0000	\$0.0000	0	0	\$0.00	\$0.0000
Total Interdepartmental	65	319,931	\$42,328.68	729	\$0.1323	\$0.1209	62	249,902	\$30,484.30	\$0.1220
SUB-TOTAL CONSUMPTION & DEMAND	6,052	10,880,165	\$1,326,379.33	19,623	\$0.1219	\$0.1144	6,010	10,290,158	\$1,211,314.58	\$0.1177
Street Lights (In)	13	0	\$13.76	0	\$0.0000	\$0.0000	13	0	\$13.75	\$0.0000
Street Lights (Out)	2	0	\$1.91	0	\$0.0000	\$0.0000	2	0	\$1.92	\$0.0000
Total Street Light Only	15	0	\$15.67	0	\$0.0000	\$0.0000	15	0	\$15.67	\$0.0000
TOTAL CONSUMPTION & DEMAND	6,067	10,880,165	\$1,326,395.00	19,623	\$0.1219	\$0.1144	6,025	10,290,158	\$1,211,330.25	\$0.1177

BILLING SUMMARY AN																
2022 - JUNE BILLING WITH APRIL 2022																
Class and/or Schedule	Jul-21				Aug-21				Sep-21				Oct-21			
	# of Bills	Jul-21 (kWh Usage)	Jul-21 Billed	Cost / kWh For Month	# of Bills	Aug-21 (kWh Usage)	Aug-21 Billed	Cost / kWh For Month	# of Bills	Sep-21 (kWh Usage)	Sep-21 Billed	Cost / kWh For Month	# of Bills	Oct-21 (kWh Usage)	Oct-21 Billed	Cost / kWh For Month
Residential (Dom-In)	3,431	2,178,856	\$268,430.88	\$0.1232	3,426	3,131,558	\$364,662.78	\$0.1164	3,435	3,202,763	\$362,224.37	\$0.1131	3,440	3,426,619	\$379,578.88	\$0.1108
Residential (Dom-In) w/Ecosmart	6	3,149	\$394.20	\$0.1252	6	4,564	\$537.52	\$0.1178	6	5,560	\$629.08	\$0.1131	6	4,969	\$556.55	\$0.1120
Residential (Dom-In - All Electric)	632	407,303	\$50,123.31	\$0.1231	629	488,463	\$57,449.46	\$0.1176	623	490,182	\$56,024.43	\$0.1143	638	520,028	\$58,304.14	\$0.1121
Res.(Dom-In - All Elec.) w/Ecosmart	1	610	\$75.39	\$0.1236	1	958	\$111.27	\$0.1161	1	860	\$97.74	\$0.1137	1	1,131	\$124.48	\$0.1101
Total Residential (Domestic)	4,070	2,589,918	\$319,023.78	\$0.1232	4,062	3,625,543	\$422,761.03	\$0.1166	4,065	3,699,365	\$418,975.62	\$0.1133	4,085	3,952,747	\$438,564.05	\$0.1110
Residential (Rural-Out)	808	741,489	\$95,914.25	\$0.1294	807	878,038	\$108,677.84	\$0.1238	811	929,322	\$111,598.22	\$0.1201	811	957,340	\$112,889.19	\$0.1179
Residential (Rural-Out) w/Ecosmart	4	3,689	\$476.99	\$0.1293	4	3,675	\$461.14	\$0.1255	4	4,055	\$491.58	\$0.1212	4	4,271	\$507.44	\$0.1188
Residential (Rural-Out - All Electric)	358	367,377	\$47,097.41	\$0.1282	358	425,900	\$52,380.94	\$0.1230	358	443,696	\$52,989.86	\$0.1194	357	453,829	\$53,242.02	\$0.1173
Res. (Rural-Out - All Electric) w/Ecosmart	2	1,538	\$202.19	\$0.1315	2	1,424	\$183.19	\$0.1286	2	1,448	\$181.25	\$0.1252	2	1,594	\$194.47	\$0.1220
Residential (Rural-Out w/Dmd)	15	15,204	\$1,860.77	\$0.1224	15	12,798	\$1,616.10	\$0.1263	15	13,327	\$1,632.48	\$0.1225	15	18,047	\$2,122.45	\$0.1176
Residential (Rural-Out - All Electric w/Dm)	9	6,723	\$886.36	\$0.1318	9	8,570	\$1,071.78	\$0.1251	9	8,092	\$990.83	\$0.1224	9	8,649	\$1,036.14	\$0.1198
Total Residential (Rural)	1,196	1,136,020	\$146,437.97	\$0.1289	1,195	1,330,405	\$164,390.99	\$0.1236	1,199	1,399,940	\$167,884.22	\$0.1199	1,198	1,443,730	\$169,991.71	\$0.1177
Commercial (1 Ph-In - No Dmd)	77	34,862	\$5,514.77	\$0.1582	77	38,067	\$5,788.99	\$0.1521	80	37,671	\$5,653.39	\$0.1501	82	40,309	\$5,928.37	\$0.1471
Commercial (1 Ph-Out - No Dmd)	50	8,994	\$1,784.01	\$0.1984	50	9,350	\$1,794.82	\$0.1920	50	12,727	\$2,184.53	\$0.1716	50	9,829	\$1,805.45	\$0.1837
Total Commercial (1 Ph) No Dmd	127	43,856	\$7,298.78	\$0.1664	127	47,417	\$7,583.81	\$0.1599	130	50,398	\$7,837.92	\$0.1555	132	50,138	\$7,733.82	\$0.1543
Commercial (1 Ph-In - w/Demand)	259	265,849	\$41,328.04	\$0.1555	259	326,091	\$47,145.09	\$0.1446	260	406,475	\$54,614.57	\$0.1344	262	417,912	\$56,178.73	\$0.1344
Commercial (1 Ph-Out - w/Demand)	24	37,594	\$5,177.97	\$0.1377	24	39,949	\$5,394.88	\$0.1350	24	46,180	\$5,977.45	\$0.1294	24	49,953	\$6,359.28	\$0.1273
Total Commercial (1 Ph) w/Demand	283	303,443	\$46,506.01	\$0.1533	283	366,040	\$52,539.97	\$0.1435	284	452,655	\$60,592.02	\$0.1339	286	467,865	\$62,538.01	\$0.1337
Commercial (3 Ph-Out - No Dmd)	2	120	\$51.79	\$0.4316	2	40	\$41.11	\$1.0278	2	40	\$40.98	\$1.0245	2	80	\$45.80	\$0.5725
Total Commercial (3 Ph) No Dmd	2	120	\$51.79	\$0.4316	2	40	\$41.11	\$1.0278	2	40	\$40.98	\$1.0245	2	80	\$45.80	\$0.5725
Commercial (3 Ph-In - w/Demand)	218	1,748,242	\$229,044.86	\$0.1310	218	1,976,716	\$249,394.85	\$0.1262	218	2,130,527	\$260,195.30	\$0.1221	218	2,293,385	\$276,265.22	\$0.1205
Commercial (3 Ph-Out - w/Demand)	37	226,110	\$31,069.32	\$0.1374	37	261,535	\$34,380.84	\$0.1315	37	326,934	\$40,447.25	\$0.1230	37	321,245	\$39,639.12	\$0.1234
Commercial (3 Ph-Out - w/Dmd.&Sub-St.	3	81,240	\$10,207.32	\$0.1256	3	80,680	\$9,802.42	\$0.1215	3	92,080	\$10,764.23	\$0.1169	3	100,560	\$11,534.40	\$0.1147
Commercial (3 Ph-In - w/Demand, No Ta	1	1,240	\$172.48	\$0.1391	1	6,280	\$850.31	\$0.1354	1	7,960	\$950.35	\$0.1194	1	9,360	\$1,063.36	\$0.1136
Commercial (3 Ph-In - w/Dmd.&Sub-StC	1	120,960	\$14,461.42	\$0.1196	1	141,600	\$16,154.73	\$0.1141	1	156,000	\$17,173.72	\$0.1101	1	151,680	\$16,451.29	\$0.1085
Total Commercial (3 Ph) w/Demand	260	2,177,792	\$284,955.40	\$0.1308	260	2,466,811	\$310,583.15	\$0.1259	260	2,715,501	\$329,530.85	\$0.1214	260	2,876,230	\$344,953.39	\$0.1199
Large Power (In - w/Dmd & Rct)	14	1,974,667	\$203,521.78	\$0.1031	14	1,951,285	\$197,936.99	\$0.1014	14	2,212,511	\$205,795.02	\$0.0930	14	2,142,186	\$197,491.72	\$0.0922
Large Power (In - w/Dmd & Rct, w/SbCr)	2	841,596	\$80,839.26	\$0.0961	2	803,687	\$74,606.05	\$0.0928	2	892,886	\$83,088.25	\$0.0931	2	914,654	\$83,112.77	\$0.0909
Large Power (Out - w/Dmd & Rct, w/SbC	1	275,149	\$31,785.40	\$0.1155	1	240,146	\$27,868.53	\$0.1160	1	208,862	\$23,337.71	\$0.1117	1	165,078	\$20,122.90	\$0.1219
Large Power (In - w/Dmd & Rct, w/SbCr)	2	91,202	\$17,348.20	\$0.1902	2	82,680	\$15,174.53	\$0.1835	2	82,790	\$14,033.06	\$0.1695	2	82,790	\$13,882.84	\$0.1677
Total Large Power	19	3,182,614	\$333,494.64	\$0.1048	19	3,077,798	\$315,586.10	\$0.1025	19	3,397,049	\$326,254.04	\$0.0960	19	3,304,708	\$314,610.23	\$0.0952
Industrial (In - w/Dmd & Rct, w/SbCr)	1	751,230	\$71,988.99	\$0.0958	1	790,870	\$72,402.01	\$0.0915	1	880,030	\$76,240.76	\$0.0866	1	804,332	\$68,763.45	\$0.0855
Industrial (In - w/Dmd & Rct, No/SbCr)	1	888,043	\$85,045.63	\$0.0958	1	904,926	\$82,267.30	\$0.0909	1	1,018,394	\$88,421.95	\$0.0868	1	1,026,016	\$87,158.85	\$0.0849
Total Industrial	2	1,639,273	\$157,034.62	\$0.0958	2	1,695,796	\$154,669.31	\$0.0912	2	1,898,424	\$164,662.71	\$0.0867	2	1,830,348	\$155,922.30	\$0.0852
Interdepartmental (In - No Dmd)	9	27,813	\$3,796.97	\$0.1385	9	26,545	\$3,543.53	\$0.1335	9	27,190	\$3,521.88	\$0.1295	9	26,538	\$3,240.46	\$0.1221
Interdepartmental (Out - w/Dmd)	2	813	\$131.10	\$0.1613	2	767	\$122.09	\$0.1592	2	806	\$124.47	\$0.1544	2	891	\$133.35	\$0.1497
Interdepartmental (In - w/Dmd)	27	23,192	\$3,377.99	\$0.1457	27	21,646	\$3,091.40	\$0.1428	27	25,153	\$3,457.27	\$0.1374	27	24,205	\$3,293.02	\$0.1360
Interdepartmental (3Ph-In - w/Dmd)	11	141,592	\$18,329.10	\$0.1295	11	156,577	\$19,216.88	\$0.1227	11	173,801	\$21,622.51	\$0.1244	11	177,083	\$20,603.61	\$0.1164
Interdepartmental (Street Lights)	6	30,685	\$2,950.80	\$0.0962	6	30,685	\$2,967.81	\$0.0967	6	30,685	\$2,951.66	\$0.0962	6	30,685	\$2,967.81	\$0.0967
Interdepartmental (Traffic Signals)	8	1,283	\$118.63	\$0.0925	8	1,164	\$107.63	\$0.0925	8	1,251	\$115.69	\$0.0925	8	1,263	\$116.77	\$0.0925
Generators (JV2 Power Cost Only)	1	13,623	\$390.71	\$0.0287	1	10,541	\$293.25	\$0.0278	1	10,595	\$302.28	\$0.0285	1	10,959	\$485.26	\$0.0443
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	239,001	\$29,095.30	\$0.1217	64	247,925	\$29,342.59	\$0.1184	64	269,481	\$32,095.76	\$0.1191	64	271,624	\$30,840.28	\$0.1135
SUB-TOTAL CONSUMPTION & DEMAND	6,023	11,312,037	\$1,323,898.29	\$0.1170	6,014	12,857,775	\$1,457,498.06	\$0.1134	6,025	13,882,853	\$1,507,874.12	\$0.1086	6,048	14,197,470	\$1,525,199.59	\$0.1074
Street Lights (In)	13	0	\$13.75	\$0.0000	13	0	\$13.75	\$0.0000	13	0	\$13.75	\$0.0000	13	0	\$13.75	\$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	\$1.91	\$0.0000
Total Street Light Only	15	0	\$15.67	\$0.0000	15	0	\$15.66	\$0.0000	15	0	\$15.67	\$0.0000	15	0	\$15.66	\$0.0000
TOTAL CONSUMPTION & DEMAND	6,038	11,312,037	\$1,323,913.96	\$0.1170	6,029	12,857,775	\$1,457,513.72	\$0.1134	6,040	13,882,853	\$1,507,889.79	\$0.1086	6,063	14,197,470	\$1,525,215.25	\$0.1074

BILLING SUMMARY AN																
2022 - JUNE BILLING WITH APRIL 2022																
Class and/or Schedule	Nov-21				Dec-21				Jan-22				Feb-22			
	# of Bills	Nov-21 (kWh Usage)	Nov-21 Billed	Cost / kWh For Month	# of Bills	Dec-21 (kWh Usage)	Dec-21 Billed	Cost / kWh For Month	# of Bills	Jan-22 (kWh Usage)	Jan-22 Billed	Cost / kWh For Month	# of Bills	Feb-22 (kWh Usage)	Feb-22 Billed	Cost / kWh For Month
Residential (Dom-In)	3,428	2,082,463	\$244,434.73	\$0.1174	3,427	1,869,765	\$231,933.25	\$0.1240	3,433	2,092,664	\$269,470.14	\$0.1288	3,426	2,370,678	\$295,326.35	\$0.1246
Residential (Dom-In) w/Ecosmart	6	2,745	\$331.08	\$0.1206	6	2,289	\$294.75	\$0.1288	5	2,264	\$299.25	\$0.1322	5	2,352	\$302.61	\$0.1287
Residential (Dom-In - All Electric)	639	358,136	\$42,334.53	\$0.1182	654	421,249	\$51,540.91	\$0.1224	653	589,827	\$74,056.45	\$0.1256	653	721,055	\$87,473.42	\$0.1213
Res.(Dom-In - All Elec.) w/Ecosmart	1	630	\$73.72	\$0.1170	1	625	\$76.67	\$0.1227	1	581	\$75.10	\$0.1293	1	478	\$61.40	\$0.1285
Total Residential (Domestic)	4,074	2,443,974	\$287,174.06	\$0.1175	4,088	2,293,928	\$283,845.58	\$0.1237	4,092	2,685,336	\$343,900.94	\$0.1281	4,085	3,094,563	\$383,163.78	\$0.1238
Residential (Rural-Out)	811	661,597	\$82,346.83	\$0.1245	808	692,541	\$89,633.45	\$0.1294	806	764,980	\$102,627.67	\$0.1342	806	909,599	\$117,737.46	\$0.1294
Residential (Rural-Out) w/Ecosmart	4	2,808	\$355.05	\$0.1264	4	2,934	\$385.49	\$0.1314	4	2,736	\$378.26	\$0.1383	4	3,286	\$436.32	\$0.1328
Residential (Rural-Out - All Electric)	357	324,351	\$39,965.13	\$0.1232	358	364,023	\$46,444.38	\$0.1276	358	422,365	\$55,785.97	\$0.1321	359	519,789	\$66,253.24	\$0.1275
Res. (Rural-Out - All Electric) w/Ecosmart	2	1,094	\$142.74	\$0.1305	2	1,871	\$240.31	\$0.1284	2	2,416	\$318.68	\$0.1319	2	2,912	\$371.23	\$0.1275
Residential (Rural-Out w/Dmd)	15	13,488	\$1,659.83	\$0.1232	15	65,202	\$7,796.69	\$0.1196	15	106,601	\$13,279.09	\$0.1246	15	130,055	\$15,755.67	\$0.1211
Residential (Rural-Out - All Electric w/Dm)	9	6,958	\$870.52	\$0.1251	9	10,857	\$1,367.21	\$0.1259	9	18,981	\$2,430.13	\$0.1282	9	10,711	\$1,381.26	\$0.1290
Total Residential (Rural)	1,198	1,010,276	\$125,340.10	\$0.1241	1,196	1,137,428	\$145,867.53	\$0.1282	1,194	1,318,059	\$174,819.80	\$0.1326	1,195	1,576,352	\$201,935.18	\$0.1281
Commercial (1 Ph-In - No Dmd)	81	32,942	\$5,104.41	\$0.1560	79	34,894	\$5,518.13	\$0.1581	79	38,830	\$6,259.94	\$0.1612	78	41,787	\$6,525.38	\$0.1562
Commercial (1 Ph-Out - No Dmd)	50	9,111	\$1,742.52	\$0.1913	50	11,215	\$2,068.29	\$0.1844	50	12,148	\$2,261.20	\$0.1861	50	12,801	\$2,312.59	\$0.1807
Total Commercial (1 Ph) No Dmd	131	42,053	\$6,846.93	\$0.1628	129	46,109	\$7,586.42	\$0.1645	129	50,978	\$8,521.14	\$0.1672	128	54,588	\$8,837.97	\$0.1619
Commercial (1 Ph-In - w/Demand)	259	296,064	\$42,657.99	\$0.1441	258	255,321	\$39,279.78	\$0.1538	263	250,009	\$39,354.03	\$0.1574	262	269,652	\$40,916.05	\$0.1517
Commercial (1 Ph-Out - w/Demand)	24	41,944	\$5,519.26	\$0.1316	24	38,177	\$5,312.26	\$0.1391	24	42,581	\$6,180.88	\$0.1452	24	40,796	\$5,755.90	\$0.1411
Total Commercial (1 Ph) w/Demand	283	338,008	\$48,177.25	\$0.1425	282	293,498	\$44,592.04	\$0.1519	287	292,590	\$45,534.91	\$0.1556	286	310,448	\$46,671.95	\$0.1503
Commercial (3 Ph-Out - No Dmd)	2	40	\$41.02	\$1.0255	2	40	\$41.24	\$1.0310	2	11,840	\$1,651.26	\$0.1395	2	16,120	\$2,185.83	\$0.1356
Total Commercial (3 Ph) No Dmd	2	40	\$41.02	\$1.0255	2	40	\$41.24	\$1.0310	2	11,840	\$1,651.26	\$0.1395	2	16,120	\$2,185.83	\$0.1356
Commercial (3 Ph-In - w/Demand)	218	2,063,203	\$255,918.30	\$0.1240	217	1,721,749	\$225,471.25	\$0.1310	218	1,607,951	\$219,724.02	\$0.1366	218	1,660,780	\$220,105.95	\$0.1325
Commercial (3 Ph-Out - w/Demand)	37	315,992	\$40,513.47	\$0.1282	37	433,544	\$55,170.21	\$0.1273	37	404,346	\$54,006.94	\$0.1336	37	289,726	\$38,769.83	\$0.1338
Commercial (3 Ph-Out - w/Dmd.&Sub-St.)	3	89,200	\$10,559.76	\$0.1184	3	82,560	\$10,124.46	\$0.1226	3	80,000	\$10,309.19	\$0.1289	3	95,760	\$11,961.34	\$0.1249
Commercial (3 Ph-In - w/Demand, No Tar)	1	7,960	\$943.24	\$0.1185	1	2,560	\$396.92	\$0.1550	1	1,240	\$178.35	\$0.1438	1	1,320	\$181.10	\$0.1372
Commercial (3 Ph-In - w/Dmd.&Sub-St.C)	1	147,360	\$16,373.03	\$0.1111	1	143,040	\$16,632.64	\$0.1163	1	136,320	\$16,851.13	\$0.1221	1	121,440	\$14,637.81	\$0.1205
Total Commercial (3 Ph) w/Demand	260	2,623,715	\$324,307.80	\$0.1236	259	2,383,453	\$307,795.48	\$0.1291	260	2,229,857	\$300,869.63	\$0.1349	260	2,169,026	\$285,656.03	\$0.1317
Large Power (In - w/Dmd & Rct)	14	2,079,714	\$196,908.13	\$0.0947	14	1,985,158	\$196,046.77	\$0.0988	14	1,817,810	\$194,183.93	\$0.1068	14	1,692,314	\$182,005.92	\$0.1075
Large Power (In - w/Dmd & Rct, w/SbCr)	2	905,112	\$81,990.05	\$0.0906	2	964,979	\$92,554.03	\$0.0959	2	928,978	\$95,194.13	\$0.1025	2	859,065	\$86,069.60	\$0.1002
Large Power (Out - w/Dmd & Rct, w/SbC)	1	235,381	\$27,414.46	\$0.1165	1	285,706	\$32,979.35	\$0.1154	1	254,207	\$30,929.19	\$0.1217	1	241,403	\$27,510.53	\$0.1140
Large Power (In - w/Dmd & Rct, w/SbCr)	2	93,586	\$12,165.67	\$0.1300	2	100,341	\$9,503.46	\$0.0947	2	91,430	\$9,498.37	\$0.1039	2	150,230	\$5,848.96	\$0.0389
Total Large Power	19	3,313,793	\$318,478.31	\$0.0961	19	3,336,184	\$331,083.61	\$0.0992	19	3,092,425	\$329,805.62	\$0.1066	19	2,943,012	\$301,435.01	\$0.1024
Industrial (In - w/Dmd & Rct, w/SbCr)	1	775,369	\$69,908.02	\$0.0902	1	828,290	\$77,805.37	\$0.0939	1	774,707	\$79,348.60	\$0.1024	1	704,007	\$71,887.25	\$0.1021
Industrial (In - w/Dmd & Rct, No/SbCr)	1	974,509	\$85,414.74	\$0.0876	1	1,124,441	\$101,900.31	\$0.0906	1	1,029,537	\$101,097.69	\$0.0982	1	944,746	\$90,674.81	\$0.0960
Total Industrial	2	1,749,878	\$155,322.76	\$0.0888	2	1,952,731	\$179,705.68	\$0.0920	2	1,804,244	\$180,446.29	\$0.1000	2	1,648,753	\$162,562.06	\$0.0986
Interdepartmental (In - No Dmd)	9	21,368	\$2,740.35	\$0.1282	9	22,155	\$2,878.26	\$0.1299	10	28,201	\$3,752.72	\$0.1331	9	40,165	\$5,012.69	\$0.1248
Interdepartmental (Out - w/Dmd)	2	816	\$126.40	\$0.1549	2	808	\$129.87	\$0.1607	2	696	\$119.31	\$0.1714	2	733	\$122.15	\$0.1666
Interdepartmental (In - w/Dmd)	27	19,621	\$2,796.31	\$0.1420	27	46,153	\$6,360.34	\$0.1378	28	55,273	\$7,885.43	\$0.1427	28	74,754	\$10,313.92	\$0.1380
Interdepartmental (3Ph-In - w/Dmd)	11	146,600	\$18,532.87	\$0.1264	11	170,036	\$22,206.29	\$0.1306	12	182,778	\$23,879.10	\$0.1302	12	209,220	\$26,131.56	\$0.1249
Interdepartmental (Street Lights)	6	30,685	\$2,950.80	\$0.0962	6	30,685	\$2,967.93	\$0.0967	6	30,685	\$2,961.57	\$0.0965	6	30,685	\$2,963.94	\$0.0966
Interdepartmental (Traffic Signals)	8	1,205	\$111.43	\$0.0925	8	1,322	\$122.23	\$0.0925	8	1,131	\$104.59	\$0.0925	8	1,249	\$115.51	\$0.0925
Generators (JV2 Power Cost Only)	1	14,654	\$560.66	\$0.0383	1	20,335	\$1,191.22	\$0.0586	1	12,411	\$768.99	\$0.0620	1	21,411	\$762.66	\$0.0356
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	234,949	\$27,808.82	\$0.1184	64	291,494	\$35,856.14	\$0.1230	67	311,175	\$39,471.71	\$0.1268	66	378,217	\$45,422.43	\$0.1201
SUB-TOTAL CONSUMPTION & DEMAND	6,033	11,756,686	\$1,293,497.05	\$0.1100	6,041	11,734,865	\$1,336,373.72	\$0.1139	6,052	11,796,504	\$1,425,021.30	\$0.1208	6,043	12,191,079	\$1,437,870.24	\$0.1179
Street Lights (In)	13	0	\$13.76	\$0.0000	13	0	\$13.91	\$0.0000	13	0	\$13.76	\$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	\$15.67	\$0.0000	15	0	\$15.82	\$0.0000	15	0	\$15.68	\$0.0000	15	0	\$15.66	\$0.0000
TOTAL CONSUMPTION & DEMAND	6,048	11,756,686	\$1,293,512.72	\$0.1100	6,056	11,734,865	\$1,336,389.54	\$0.1139	6,067	11,796,504	\$1,425,036.98	\$0.1208	6,058	12,191,079	\$1,437,885.90	\$0.1179

BILLING SUMMARY AND																	
2022 - JUNE BILLING WITH APRIL 2022																	
Class and/or Schedule	Mar-22				Apr-22				May-22				TOTAL KWH USAGE PRIOR 12 MO	TOTAL BILLING PRIOR 12 MO	Avg.Cost Per KWH For Period	Avg.Num. of Bills For Period	Avg.Per.% of Bills For Period
	# of Bills	Mar-22 (kWh Usage)	Mar-22 Billed	Cost / kWh For Month	# of Bills	Apr-22 (kWh Usage)	Apr-22 Billed	Cost / kWh For Month	# of Bills	May-22 (kWh Usage)	May-22 Billed	Cost / kWh For Month					
Residential (Dom-In)	3,437	2,404,340	\$290,833.61	\$0.1210	3,433	2,149,232	\$261,077.25	\$0.1215	3,436	1,834,534	\$239,521.63	\$0.1299	28,428,750	\$3,420,763.60	\$0.1203	3,431	56.7075%
Residential (Dom-In) w/Ecosmart	5	2,265	\$284.58	\$0.1256	5	2,076	\$262.31	\$0.1264	5	2,259	\$299.57	\$0.1288	36,663	\$4,475.74	\$0.1221	6	0.0923%
Residential (Dom-In - All Electric)	647	861,011	\$100,615.41	\$0.1169	653	697,240	\$81,920.90	\$0.1175	655	527,792	\$66,908.18	\$0.1264	6,474,656	\$775,399.42	\$0.1198	642	10.6124%
Res.(Dom-In - All Elec.) w/Ecosmart	1	561	\$69.06	\$0.1231	1	546	\$67.10	\$0.1229	1	442	\$58.75	\$0.1284	7,888	\$949.96	\$0.1204	1	0.0165%
Total Residential (Domestic)	4,090	3,266,177	\$391,802.66	\$0.1199	4,092	2,849,094	\$343,327.56	\$0.1205	4,097	2,365,027	\$306,788.13	\$0.1299	34,947,957	\$4,201,588.72	\$0.1202	4,080	67.4287%
Residential (Rural-Out)	806	972,758	\$121,916.22	\$0.1253	803	791,084	\$100,247.66	\$0.1267	804	720,415	\$97,386.42	\$0.1215	9,615,256	\$1,219,999.48	\$0.1269	807	13.3392%
Residential (Rural-Out) w/Ecosmart	4	3,460	\$445.19	\$0.1287	4	2,581	\$340.94	\$0.1321	4	2,481	\$347.72	\$0.1400	37,972	\$4,903.73	\$0.1291	4	0.0661%
Residential (Rural-Out - All Electric)	360	584,553	\$71,997.58	\$0.1232	358	452,648	\$56,334.15	\$0.1245	359	400,926	\$53,308.52	\$0.1245	5,077,893	\$637,291.84	\$0.1255	358	5.9191%
Res. (Rural-Out - All Electric) w/Ecosmart	2	3,404	\$418.62	\$0.1230	2	2,789	\$345.19	\$0.1238	2	2,399	\$317.55	\$0.1238	24,295	\$3,102.80	\$0.1277	2	0.0331%
Residential (Rural-Out w/Dmd)	15	43,783	\$5,263.42	\$0.1202	15	30,180	\$3,661.73	\$0.1213	15	24,852	\$3,227.32	\$0.1300	501,316	\$61,328.56	\$0.1223	15	0.2479%
Residential (Rural-Out - All Electric w/Dmd)	9	8,818	\$1,122.58	\$0.1273	8	7,467	\$950.67	\$0.1273	8	6,841	\$928.51	\$0.1373	108,655	\$13,841.26	\$0.1274	9	0.1460%
Total Residential (Rural)	1,196	1,616,776	\$201,163.61	\$0.1244	1,190	1,286,749	\$161,880.34	\$0.1258	1,192	1,157,914	\$155,516.04	\$0.1299	15,365,387	\$1,940,467.67	\$0.1263	1,195	19.7513%
Commercial (1 Ph-In - No Dmd)	78	48,977	\$7,311.83	\$0.1493	78	43,688	\$6,602.63	\$0.1511	78	38,229	\$6,180.82	\$0.1599	461,105	\$71,394.60	\$0.1548	79	1.3000%
Commercial (1 Ph-Out - No Dmd)	50	14,091	\$2,435.58	\$0.1728	50	9,982	\$1,895.58	\$0.1899	50	9,241	\$1,868.06	\$0.2058	129,774	\$24,112.69	\$0.1858	50	0.8263%
Total Commercial (1 Ph) No Dmd	128	63,068	\$9,747.41	\$0.1546	128	53,670	\$8,498.21	\$0.1583	128	47,470	\$8,048.88	\$0.1826	590,879	\$95,507.29	\$0.1616	129	2.1263%
Commercial (1 Ph-In - w/Demand)	261	302,351	\$43,988.27	\$0.1455	263	274,144	\$40,625.98	\$0.1482	264	282,496	\$43,577.76	\$0.1621	3,598,213	\$528,571.77	\$0.1469	261	4.3091%
Commercial (1 Ph-Out - w/Demand)	24	44,374	\$5,977.07	\$0.1347	24	40,663	\$5,574.18	\$0.1371	24	43,043	\$6,169.53	\$0.1434	502,363	\$68,520.88	\$0.1364	24	0.3966%
Total Commercial (1 Ph) w/Demand	285	346,725	\$49,965.34	\$0.1441	287	314,807	\$46,200.16	\$0.1468	288	325,539	\$49,747.29	\$0.1525	4,100,576	\$597,092.65	\$0.1456	285	4.7058%
Commercial (3 Ph-Out - No Dmd)	2	1,840	\$275.57	\$0.1498	2	600	\$113.82	\$0.1897	2	120	\$52.46	\$0.4372	30,920	\$4,582.17	\$0.1482	2	0.0331%
Total Commercial (3 Ph) No Dmd	2	1,840	\$275.57	\$0.1498	2	600	\$113.82	\$0.1897	2	120	\$52.46	\$0.4372	30,920	\$4,582.17	\$0.1482	2	0.0331%
Commercial (3 Ph-In - w/Demand)	218	1,762,076	\$225,778.00	\$0.1281	218	1,644,391	\$211,650.33	\$0.1287	218	1,550,181	\$212,017.03	\$0.1368	21,765,491	\$2,798,199.68	\$0.1286	218	3.6013%
Commercial (3 Ph-Out - w/Demand)	36	328,071	\$42,282.49	\$0.1289	36	277,135	\$35,930.39	\$0.1296	36	243,247	\$33,867.29	\$0.1391	3,670,343	\$478,661.25	\$0.1304	37	0.6073%
Commercial (3 Ph-Out - w/Dmd.&Sub-St.)	3	113,520	\$13,653.89	\$0.1203	3	106,880	\$12,986.52	\$0.1215	3	129,720	\$16,389.96	\$0.1264	1,128,760	\$137,913.15	\$0.1222	3	0.0496%
Commercial (3 Ph-In - w/Demand, No Tax)	1	1,360	\$180.58	\$0.1328	1	1,360	\$179.72	\$0.1321	1	1,200	\$173.72	\$0.1452	43,080	\$5,523.78	\$0.1282	1	0.0165%
Commercial (3 Ph-In - w/Dmd.&Sub-St.C)	1	121,920	\$14,265.49	\$0.1170	1	105,600	\$12,435.41	\$0.1178	1	126,720	\$15,579.47	\$0.1236	1,596,000	\$185,464.08	\$0.1162	1	0.0165%
Total Commercial (3 Ph) w/Demand	259	2,326,947	\$296,160.45	\$0.1273	259	2,135,366	\$273,182.37	\$0.1279	259	2,051,068	\$278,027.47	\$0.1348	28,203,674	\$3,605,761.94	\$0.1278	260	4.2912%
Large Power (In - w/Dmd & Rct)	14	1,957,121	\$191,916.55	\$0.0981	14	1,777,337	\$181,549.78	\$0.1021	14	1,749,970	\$192,161.06	\$0.1100	23,169,388	\$2,328,091.64	\$0.1005	14	0.2314%
Large Power (In - w/Dmd & Rct, w/SbCr)	2	930,878	\$91,181.64	\$0.0980	2	742,000	\$74,554.88	\$0.1005	2	739,657	\$78,271.01	\$0.1061	10,335,357	\$1,001,966.53	\$0.0969	2	0.0331%
Large Power (Out - w/Dmd & Rct, w/SbCr)	1	253,801	\$27,258.51	\$0.1074	1	236,376	\$25,171.28	\$0.1065	1	223,885	\$25,192.07	\$0.1125	2,891,420	\$331,009.31	\$0.1145	1	0.0165%
Large Power (In - w/Dmd & Rct, w/SbCr)	2	73,370	\$6,538.16	\$0.0891	2	90,243	\$10,998.18	\$0.1219	2	102,188	\$10,214.52	\$0.1000	1,145,056	\$141,711.33	\$0.1238	2	0.0331%
Total Large Power	19	3,215,170	\$316,894.86	\$0.0986	19	2,845,956	\$292,274.12	\$0.1027	19	2,815,700	\$305,838.66	\$0.1106	37,541,221	\$3,802,778.81	\$0.1013	19	0.3140%
Industrial (In - w/Dmd & Rct, w/SbCr)	1	911,662	\$85,067.15	\$0.0933	1	748,422	\$72,166.79	\$0.0964	1	804,792	\$82,342.20	\$0.1023	9,505,830	\$899,071.31	\$0.0946	1	0.0165%
Industrial (In - w/Dmd & Rct, No/SbCr)	1	1,034,091	\$92,499.48	\$0.0895	1	868,416	\$80,783.52	\$0.0930	1	992,604	\$97,689.52	\$0.0975	11,686,985	\$1,077,333.13	\$0.0922	1	0.0165%
Total Industrial	2	1,945,753	\$177,566.63	\$0.0913	2	1,616,838	\$152,950.31	\$0.0946	2	1,797,396	\$180,031.72	\$0.1000	21,192,815	\$1,976,404.44	\$0.0933	2	0.0331%
Interdepartmental (In - No Dmd)	9	45,168	\$5,386.87	\$0.1193	9	35,804	\$4,350.94	\$0.1215	9	29,348	\$3,908.78	\$0.1329	354,731	\$45,308.75	\$0.1277	9	0.1501%
Interdepartmental (Out - w/Dmd)	2	763	\$123.50	\$0.1619	2	660	\$109.75	\$0.1663	2	692	\$119.04	\$0.1734	9,164	\$1,480.21	\$0.1615	2	0.0331%
Interdepartmental (In - w/Dmd)	28	87,712	\$11,733.07	\$0.1338	27	54,317	\$7,361.22	\$0.1355	27	47,744	\$6,866.48	\$0.1439	508,929	\$70,693.59	\$0.1389	27	0.4490%
Interdepartmental (3Ph-In - w/Dmd)	12	229,937	\$27,788.50	\$0.1209	12	180,122	\$22,610.67	\$0.1255	12	191,038	\$25,070.61	\$0.1314	2,106,456	\$265,374.14	\$0.1260	11	0.1873%
Interdepartmental (Street Lights)	6	30,685	\$2,964.71	\$0.0966	6	30,685	\$2,961.57	\$0.0965	6	30,685	\$2,950.80	\$0.0963	368,220	\$35,522.48	\$0.0965	6	0.0992%
Interdepartmental (Traffic Signals)	8	1,281	\$118.44	\$0.0925	8	1,114	\$103.02	\$0.0925	8	1,182	\$109.31	\$0.0925	14,625	\$1,352.37	\$0.0925	8	0.1322%
Generators (JV2 Power Cost Only)	1	25,992	\$888.15	\$0.0342	1	18,816	\$695.06	\$0.0369	1	19,242	\$3,303.66	\$0.1717	194,630	\$10,209.94	\$0.0529	1	0.0165%
Generators (JV5 Power Cost Only)	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	\$0.00	\$0.0000	0	0.0000%
Total Interdepartmental	66	421,538	\$48,003.24	\$0.1162	65	321,518	\$38,192.23	\$0.1188	65	319,931	\$42,328.68	\$0.1325	3,558,755	\$429,941.48	\$0.1209	65	1.0673%
SUB-TOTAL CONSUMPTION & DEMAND	6,047	13,205,994	\$1,492,579.77	\$0.1130	6,044	11,424,598	\$1,316,619.12	\$0.1152	6,052	10,880,165	\$1,326,379.33	\$0.1212	145,530,184	\$16,654,125.17	\$0.1144	6,036	99.7507%
Street Lights (In)	14	0	\$14.29	\$0.0000	13	0	\$13.76	\$0.0000	13	0	\$13.76	\$0.0000	0	\$165.74	\$0.0000	13	0.2162%
Street Lights (Out)	2	0	\$1.91	\$0.0000	2	0	\$1.91	\$0.0000	2	0	\$1.91	\$0.0000	0	\$22.96	\$0.0000	2	0.0331%
Total Street Light Only	16	0	\$16.20	\$0.0000	15	0	\$15.67	\$0.0000	15	0	\$15.67	\$0.0000	0	\$188.70	\$0.0000	15	0.2493%
TOTAL CONSUMPTION & DEMAND	6,063	13,205,994	\$1,492,595.97	\$0.1130	6,059	11,424,598	\$1,316,634.79	\$0.1152	6,067	10,880,165	\$1,326,395.00	\$0.1212	145,530,184	\$16,654,313.87	\$0.1144	6,051	100.0000%



CITY OF NAPOLEON, OHIO

ELECTRIC DEPARTMENT

1775 INDUSTRIAL DR.

NAPOLEON, OH 43545

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

WWW.NAPOLEONOHIO.COM

Electric Superintendent

Gregory Kuhlman

Distribution Service Supervisor

Mike Dietrich

Substation Specialist

Todd Wachtman

Substation Technician

Nikk Hogrefe

Whom it concerns,

Fiber optic cable owned by the City of Napoleon and operated by Napoleon Power & Light is essential for the critical functions performed at various City of Napoleon owned facilities. The City of Napoleon owns 24.02 miles of fiber optic cable and leases another 9.39 miles.

Leased fiber optic cables **from** external entities provide Primary and Backup communication paths for the following:

1. Napoleon network to Henry County EOC
2. Napoleon network to Henry County Courthouse
3. Wastewater Treatment American Road lift station
4. Napoleon Police Department 911 to Henry County Sheriff
5. NPL Line Protection relays between Northside and Glenwood Substations
6. NPL SCADA at Northside and Glenwood Substations
7. AMP Gas Turbine generation transfer trip

The cost to either own and maintain or continue to lease this portion is as follows:

Options:

1. Owned by City of Napoleon
 - a. Cost: \$146,880 total (estimate 3/2022)
 - b. \$4.08/foot
 - c. 35,689 feet/6.76 miles
2. Leased by City of Napoleon
 - a. \$27,000/20 year contract ending 2024 (estimate based on 2004 rate)
 - b. \$13,700 annual maintenance beginning 2022

(continued)

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(continued)

Leased fiber optic cables **to** external entities, utilizing City of Napoleon owned dark fiber (subject to availability), generate additional revenue.

Revenue:

1. Current Market Rates
 - a. Upfront: \$500-\$1,000/strand mile
 - b. Annual Maintenance: \$250-\$500/route mile
2. Agreements
 - a. RTEC
 - i. 114 strand miles / 9.5 route miles
 - ii. Upfront - \$0/20 year contract ending 2024
 - iii. Annual - \$4,750 beginning 2022
 - b. Henry County – Senior Center
 - i. 30 strand miles / 2.5 route miles
 - ii. Upfront - \$1/10 year contract ending 2027
 - iii. Annual - \$0
 - c. AMPT (future)
 - i. 64.16 strand miles / 5.43 route miles
 - ii. Upfront – TBD
 - iii. Annual – TBD

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

Sincerely,

Todd Wachtman

City of Napoleon, Ohio

BOARD OF PUBLIC AFFAIRS

MEETING AGENDA

Monday, June 13, 2022 at 6:30 pm

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

- 1) Call to Order
- 2) Approval of Minutes – April 11, 2022 (In the absence of any objections or corrections, the Minutes shall stand approved)
- 3) Review/Approval of the Power Supply Cost Adjustment Factor for June 2022:
PSCAF 3-month averaged factor \$0.02156 and JV2 \$0.073844
- 4) Electric Department Fiber Connection to Substation
- 5) Smart Thermostat Program
- 6) Peak Alert Format
- 7) Electric Department Reports
- 8) Any other matters to come before the Board
- 9) Adjourn

Roxanne Dietrich

Roxanne Dietrich - Clerk

City of Napoleon

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

SPECIAL MEETING AGENDA

Monday, June 13, 2022 at 7:00 pm

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

1. Call to Order
2. Approval of Minutes- April 11, 2022 (In the absence of any objections or corrections, the Minutes shall stand approved)
3. Review City of Napoleon Engineering Department Rules & Regulations – [Tabled]
4. Discussion on City Streets – [Tabled]
5. Discussion on Additional Improvements at the Police Department Building
6. Adjournment.

Roxanne Dietrich

Roxanne Dietrich - Clerk

City of Napoleon, Ohio
MUNICIPAL PROPERTIES, BUILDING, LAND USE AND ECONOMIC DEVELOPMENT COMMITTEE
MEETING MINUTES
Monday, April 11, 2022 at 7:30 pm

PRESENT

Committee Members	Molly Knepley-Chair, Lori Sicclair, Joe Bialorucki, Jason Maassel
City Manager	Joel Mazur
Director of Public Works	Chad E. Lulfs, P.E., P.S.
Operations Supt.	Jeff Rathge
Others	News-media, Bob Weitzel, Mike Austermler, Kevin Leonard, Carol Leonard, Robert Casper
Recorder	Roxanne Dietrich

ABSENT

CALL TO ORDER

Knepley, Chair of the Municipal Properties, Building, Land Use and Economic Development Committee, called the meeting to order at 7:30 pm.

APPROVAL OF MINUTES

Hearing no objections or corrections, the minutes from the February 14, 2022 Municipal Properties Committee meeting were approved as presented.

Review City of Napoleon Engineering Department Rules & Regulations

Mazur stated this committee wanted to take a look at driveways due to a couple of requests we received for modifications to driveways or for construction of new driveways that were outside of the specifications in the City Engineering Rules. Lulfs reviewed the engineering rules and has a few suggested changes. Lulfs said most of the changes are just cleanup items. A few years ago, in the pay ordinance it classified me as the Director of Public Works and not the city engineer. The Director of Public Works has no authority in the engineering rules. I thought it would be best to change it to *City Engineer and/or Director of Public Works*. We also do not have a building department anymore and there were a few scrivener errors to clean up. There is nothing of substance that was modified in the Engineering Rules. I did not make any revisions to the section for driveways or drainage, as those are the items the committee will be looking at. When the rules were created in the 90's, driveways were 30' maximum width for residential driveways with a 5' wing on each side. One revision since I have been here is that we changed the 5' wings on each side to a 3' wing on each side due to aesthetics. A 5' wing looked like a lot of wasted space and the 3' wings added 2 more feet on each side. When streets are designed, we have two standard widths. Our default width is two - 12' wide lanes and the smaller residential streets are two - 10' wide lanes but, that is subject to approval before they can build a street that is only 20' wide. If 30' wide at the bottom and 24' at the right-of-way line is insufficient, we can modify it. Knepley recalled we were talking about modifying the rule where the City Manager has to make the decision. Mazur said it is a little restrictive now in allowing the City Manager and Public Works Director to have some discretion to get something to where it makes sense. Not every rule is cut and dried. Lulfs said the sidewalk rule is the only rule he has discretion on. Sicclair referred to the two instances noting the reason for this is to have consistency. When driving around, there is no consistency even in the newer neighborhoods. Lulfs said the driveways that were done with a permit have followed the 30' maximum until the incident on Fairview that was started without a permit. Bialorucki said if we change where it says *commercial drive approach widths shall be submitted for review by the city engineer* and where it says *no residential lot shall have more than one drive unless approved by City*

million-dollar project. Whether you are doing \$50,000 or half a million dollars' worth of paving, you still have to have the equipment. Mazur continued and then there was Park Street Phase III. 2021 projects were Michigan and North Sheffield, Park Street Phase IV and the Lynne Avenue waterline improvements. Projects planned for 2022 include Westmoreland from Bales to Woodlawn, Woodlawn to Glenwood and patch work on American Road from the diesel spill. Lulfs said we were looking at Briarheath but, cannot meet the school's timeline for having the road shut down only during the summer. Mazur said there will be the patchwork on American Road from damage. Lulfs said if we do Briarheath in 2023 and set a tighter timeframe, that will give the contractors lead time to get components ordered. The lead time on castings is six months. Mazur stated Meekison is a sewer project. If roadwork is needed on a sewer project, the portion impacted will be covered by the enterprise fund with the remaining portion paid out of the capital fund. Lulfs stated on Meekison the estimate is \$520,000. We applied for a grant in the amount of \$260,000 and was awarded the grant, the project could start after July 1, 2022. Another organization contacted me and said we may be eligible for a grant for the other \$260,000. However, if I pursue that grant, we will not be able to do the project this calendar year as I cannot apply for the second grant until Fall. The CDBG grant will not expire, I can file for an extension with OPWC. We cannot apply for the other grant if the contract has already been awarded. Bialorucki asked in 2021, were any of the projects paid for out of another enterprise fund? Like Lynne Avenue. Was that paid out of water since the waterline was done or was that a combination? I'm trying to gauge how much we have in the budget each year without using enterprise funds, my guess would be about six blocks. Lulfs explained it comes down to whether or not we have to replace curbs. Bialorucki asked how many blocks are in the city limits compared to the amount of money we have to actually do streets? We are never going to get all of them done before the ones that we did are deteriorated. Lulfs said Lynne Avenue was paid out of an Enterprise Fund. Bialorucki said that means five blocks with curbs. The point we want to make is with the amount of money we have, very little can get done with it. Mazur said a historical note from a few years ago. In 2018 we were faced with a very large income tax refund of one million dollars from a business which very rarely happens. \$800,000 of that million came from capital funds that would have been used for streets. Bialorucki added not only in 2018 when we had to pay that refund, then we were not receiving that \$300,000 per year going forward. Mazur said \$300,000 for the General Fund per year equates to about \$96,000 a year not going to Capital Improvement Projects. The problem is water is the enemy anytime just a mill and fill is done. If you look at Highland and Willard and see we repaved those, we repaved in the gutter line over what was concrete to just pave it and cut corners. That is a way to get more quantity done. Lulfs said it comes down to what is our goal. *Is it Immediate make it better or, long term make it last?* There are positives to both. There are so many streets we need to start from scratch and have way more than we can afford to do. On a good year we may do one or two. We can put a scratch coat on some, which is putting a layer of asphalt down from zero to an inch thick to fill the holes and then a 1½" top is put over that to make the driving surface much better but, the utilities are not addressed. We will not get all the utilities fixed in the ten years you would like asphalt to last. We need to make sure we do the main arterial streets right. Cold patch and spray patch only does so much and does not last as long. Some of the residential streets we may need to start looking at doing scratch course and put a smooth top on and wait for the next road rotation. Bialorucki asked what was done on Woodlawn? Lulfs said that was microsurfacing and is designed to go on roads that are five to eight years old. Microsurfacing extends the life of the pavement without milling and putting a top on. Microsurfacing has become incredibly popular throughout the state and that company is difficult to get to come in. We have a small window of streets that may fall into that. For example, Lynne Avenue is terrible it has curb on most of it where there are houses, we can scratch course that and pave over the gutter pan. Say the cost is \$200,000, we know the estimate to rebuild that right now is \$1.2 million. There is not a grant out there to pursue for that project, road projects are competitive. Granted that is putting a band-aid on but, if we cannot do the proper fix maybe we should consider putting band-aids

on a few of them. Maassel said Lynne is not traveled much and the band-aid would last longer. Lulfs reminded them we still are not fixing any drainage issues. Independence Drive, one-half mile to Oakwood Avenue when we ran the estimate five years ago it was \$175,000 but, there are no curbs to replace. If you are not worried about curbs right now, there may be a way to get more streets in better shape, not brand new but, for residents in that area it is a huge improvement. Siclair asked if there are curb options or, in every instance does it need to be a specific way? Lulfs replied per the Engineering Rules curbs are to be Type 2 or Type 6. Type 6 is no gutter pan with straight up and down curb. When we bid out a job you are not saving much in changing curb cuts. Type 6 curbs are used on narrow streets. Bialorucki asked Lulfs what his thoughts are on rotating mill and fill every three years and the other two years do rebuilds. We will not get much done those two years, but in the other years we can do a decent amount. Lulfs responded we will pave with every dollar you give us. I do not have a preference on the rotation. We need to get back in Twin Oaks and do a concrete street repair. I would still like to do some resurfacing every year, it reassures the public we are doing something if we do mill and fill every couple of years. Maassel noted the 2022 are all in the same area. Lulfs said if we do not do Independence soon, we will lose that street. Planned for 2023 is Briarheath and that is estimated at about \$500,000. Because of what we are running into with schedules, we can throw in a side street but, we have to patch American Road and there will be a need to move to that part of town. We have another \$200,000 in the budget and I do not want to give that back. Mazur said Meekison is a sewer project, Third Street is not scheduled until Meekison is done. Lulfs noted there are streets on the south side that need to be paved but, some will be addressed when do sewer work that has to happen on the south side. The sewer on Third Street has to be fixed, the street by the Senior Center is bad. Mazur added the Senior Center area is pretty rough. Kevin Leonard 320 Rohrs Street shouts out did you look at Rohrs Street? That has like twenty times more traffic. I have lived there all my life it is pretty shot. Siclair noted Wayne Park Drive is in pretty bad shape and there have been complaints about truck traffic on it. Lulfs said Wayne Park Drive should not be expensive to resurface. The county chip sealed their side. We would go up to Road M1. Mazur stated the best outlook for the future we have for now we call *Projects in Queue* for the next three years. Lulfs said to do projects, especially if we have to replace curb on a project, it takes a full design. That process can be six months from start to finish. The process could be easier if we had a better feel with finances. We have been trying to work around \$450,000 a year. When the streets are determined during the budget process it is hard to get them ready to bid. If the path you want to go on is to stick to streets that we do not do a full rebuild on and do something to last ten years, we can start on that. If we have to do 3D design it takes a lot more effort and time. Maassel said if you bring us a list of potential projects and then at budget time we can say this is what the Municipal Properties Committee recommends if the Finance and Budget Committee is okay with the list. Lulfs said he can bring a laundry list of areas we want to look at to the Municipal Properties Committee in June or July so we have something close to ready for the Finance and Budget Committee at budget time.

Citizens Input

Mike Austermilller, 1079 Dodd Street, Napoleon Ohio. Twenty years ago, a section of curb was put in on North Perry Street between the railroad and Yeager. I was skeptical about that as they ran asphalt wider and came in with curb pieces and nailed them in place and it has held up very good. Is the state going to pave Scott Street? Lulfs said they have not said anything to us, that is one of the streets on my list to look at. I can approach them. They have a resurfacing program but, do not know how much they will be willing to pay or if we would even qualify. Technically, it is a highway in corporation limits. I can reach out to them and see if they will do more paving if we pay for it when they do the roundabout. ODOT gets much better prices than we do on paving jobs. Austermilller asked about Perry between the Railroad and town. Lulfs said we have to get the waterline in place, we are working on it. Austermilller thought it has asphalt square bricks. Lulfs replied we know Oakwood right there has bricks under it. The problem with just paving it is, we know that waterline needs to be done soon and do not want to pave

and then cut it up. One of our next waterline projects is North Perry. Austermilller said I was assessed and paid for Wayne Street, East Main Street and Stout Street that was 15 years ago and those are starting to open up with cracks, they need to be built with a thicker base. Lulfs said we thickened up our typical for a residential street, the minimum is 6" of asphalt on 8" of stone on a grade separation fabric on the heavier streets. Stout was 8" of asphalt on 8" of stone. We do soil borings to make sure the subgrade will support it. Some of the streets from years ago were 4½" of asphalt on 11" of stone but, we have gone to thicker pavement over the last several years. Austermilller noted the city services we get are pretty good here. You can go to the Auditor's Office and print off what levies there are. Napoleon City School District has 31 levies, our city only has four. Parks and Recreation gets 3.09% and our General Fund is only 3.79%. When you look at those two numbers, I don't know how much income tax we exactly bring in but when the General Fund is only .7% more than Parks and Recreation, it looks off balance. I see East Washington is on the list. When you do Meekison, are you going to eliminate the elliptical that runs underneath the old Chief Supermarket? Lulfs replied yes. Austermilller said Detroit Avenue is a concrete street that was rebuilt in 1994 or 1995 and at that time was put too deep and the waterlines froze, they took care of that problem, but it hasn't been touched since it was put in.

Bob Weitzel 50 Duquesne, Napoleon, Ohio. I came to hear some discussion and I have heard quite a bit and I have lived it for quite a long time. It is a little difficult to look at the presentation we saw tonight and separate what are major projects from what we used to do as mill and fill. I'm trying to guess how much it is and it might be around \$500,000 that you are using for resurfacing. In the paper at one time, in an opinion part, it was a \$700,000 number. I don't know what the exact number is but, the answer to the problem is that is not enough and where are you getting it from? This committee is probably trying to find out how to put off major problems and the mill and fill is probably the best recourse. Because if you don't take care of this, I think of asphalt like a roof, actually asphalt is like the shingles if you don't fix the shingles, the actual roof starts to fail and if the roof fails and you are leaking all that water into the infrastructure underneath then the infrastructure fails and continues to cause bigger problems later on. If you start milling and filling a lot, you are going to put those big problems off years down the road. Yes, asphalt only lasts ten years but those big problems are going to be pushed off that much farther. When reading the Master Plan I was shocked it says that 28.6% of city street miles are either in poor or critical condition. I have never seen a list of those streets but they are enumerated somewhere, I have never seen them published, I have never seen a document like that come out in any budget hearing I listened to that said these are the ones that we really need to focus on because they are in poor or critical condition. In looking at the downtown area, I would call those critical. Some of them I drive on everyday and I'm driving in and out within the lane to get out of ruts and chuckholes and things like that and some I won't even go on with the motorcycle because they have ribs and ruts right down the middle of them. I know it is difficult to get to them because manpower and money are low. Maybe you can find a funding stream for it within the budget now. We talked about carryovers and how much you would like that carryover to be and how much it really needs to be. I really think maybe you can find some money for this mill and fill project. I came here tonight to focus on telling you, what I thought this committee was really going to decide to do was to decide how we are going to attack this problem. To get down the road for these major projects so these projects are not so impactful when we finally get to them because of all the water we let get down in there and ruin the infrastructure and ruin the base and push those problems out but to also fix the safety issues that I see every day. I still drive a lot just to drive around and am finding it more and more difficult to get down many streets like Rohrs and the streets that were around the CD Brillhart school that have not been touched for many years, but they are not unique. As a person who has lived here all my life, we need to protect that infrastructure and yes you might think it throw away, I don't think it throw away, I think you are putting off major issues down the road. Put a lot of money into the mill and fill project and you won't see those major projects

City of Napoleon, Ohio
Engineering Department
Rules & Regulations

Document No. CNER98-1

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RULE 1 DEFINITIONS

The following words and phrases, when used in the "City of Napoleon, Ohio Engineering Department Rules and Regulations", except as otherwise provided, shall have the meaning respectively ascribed to them in this section. (*Amended – August 7, 2006 – Ordinance No. 062-06*)

AASHTO Standards

The most current edition of standards as established by the American Association of State Highway and Transportation Officials (AASHTO).

ASTM Standards

The most current edition of standards as established by the American Society for Testing Materials.

AWWA Standards

The most current edition of standards as established by the American Waterworks Association.

Alley

A public right-of-way, usually located between streets, established to provide vehicular, pedestrian and utility access and service to the rear or side of lots or buildings.

Arterial Street

A public right-of-way established for the purpose of vehicular and pedestrian travel and to accommodate public utilities. An arterial street is the primary course of travel for traffic through a community and provides continuity for all rural and state routes that intersect the municipality.

Collector Street

A public right-of-way established for the purpose of vehicular and pedestrian travel and to accommodate public utilities. A collector street permits both direct access to abutting properties and through traffic.

Commencing Construction

The physical alteration of a site for the purpose of performing an improvement or development. This is not intended to include preparatory work required for surveying, design or layout.

Construction Plan

Detailed drawings developed for the purpose of improving property. Generally utilized for properties greater than one (1) acre in area for which the proposed development shall result in a new subdivision, commercial or industrial site, or any extension of or from existing public infrastructure.

Cul-de-sac

A semicircular ending to a dead-end street intended to provide an area to turn vehicles around.

Dead-End Street

A local street constructed with an outlet at only one end.

Development

As a verb, any construction upon a site, being vacant or occupied, resulting in the altered use or characteristics of the site. Generally utilized in reference to new subdivisions and/or facilities.

As a noun, the result or proposed result of construction upon a vacant site.

EPA

The Environmental Protection Agency.

Improvement

As a verb, any construction upon a site, being vacant or occupied, resulting in the altered use or characteristics of the site. Generally utilized in reference to the modification of an existing facility.

As a noun, the result or proposed result of construction upon an occupied or vacant site.

Local Street

A public right-of-way established for the purpose of vehicular and pedestrian travel and to accommodate public utilities. A local street permits direct access to abutting properties and service to through traffic is discouraged.

NGS

The National Geodetic Survey. (*Amended – August 7, 2006 – Ordinance No. 062-06*)

ODOT

The Ohio Department of Transportation.

Private Street

A privately owned right-of-way established for vehicular travel for the purpose of serving a private development.

Public Street

A right-of-way established for public purpose.

Right-of-way

A continuous parcel of land, established within a plat or by legislation, for public purposes for the installation and maintenance of streets, sidewalks and utilities.

Sidewalk

A walkway, generally along the margin of a street, designed and prepared for the use of pedestrians, exclusive of road vehicles.

Site

A parcel of land, occupied or vacant, to be the location of an improvement or development.

Site Plan

A drawing developed for the purpose of improving property. Generally utilized for properties of less than one (1) acre in area and including improvements resulting in an altered use of the site (i.e. - A parking lot).

Street

A main way within a municipality including, but not limited to, the roadway, curbs, gutters and sidewalks.

10 States Standards

The most current edition of recommended standards as established by the Great Lakes - Upper Mississippi River Board for water works and wastewater facilities.

USGS

The United States Geological Survey.

RULE 2 GENERAL CONDITIONS

Rule 2.1 Authority

The Ohio Revised Code, City Charter and legislation of the Council of the City of Napoleon, Ohio.

Rule 2.2 Scope of Control

These "City of Napoleon, Ohio Engineering Department Rules and Regulations" apply to all rights-of-way and easements, either dedicated or to be dedicated, all extension of utilities, public or private, receiving City services and the development or any improvement of real estate within the corporation limits of the City of Napoleon, Ohio. Includes streets, sanitary sewers, storm sewers, water mains, pavement, drainage facilities and all appurtenances thereto. (Amended – August 7, 2006 – Ordinance No. 062-06)

Rule 2.3 Effective Date

These "City of Napoleon, Ohio Engineering Department Rules and Regulations" shall be effective immediately upon the adoption of legislation of the Council of the City of Napoleon, Ohio.

Rule 2.4 Approvals

Any approval given by the Engineer or the Public Works Director of the City of Napoleon shall be only for the drawings or plans submitted and reviewed and said approval shall be for one (1) calendar year from the date of said approval, thereafter said approval is automatically withdrawn unless the Owner, Developer or their Agent requests for good cause an extension of time and such extension is granted by the City Engineer. Approval by the Public Works Director shall serve as approval by the City Engineer, if the City Engineer position is vacant.

Rule 2.5 Violations & Penalties

(See Rule No. 6 contained herein) (Amended – August 7, 2006 – Ordinance No. 062-06)

Rule 2.6 Agreement

All persons, successors and assigns obtaining and accepting a permit or approvals for developing, subdividing, platting or improving from the City Engineer or Public Works Director or the City Building- Zoning Department, accept and agree to be bound to these "City of Napoleon, Ohio Engineering Department Rules and Regulations".

Rule 2.7 Interpretation

The provisions of these "City of Napoleon, Ohio Engineering Department Rules and Regulations" shall be the minimum requirements adopted for the promotion of the health, safety, and welfare of the constituency of the City of Napoleon, Ohio. These "City of Napoleon, Ohio Engineering Department Rules and

Regulations" are not intended to repeal, abrogate, annul or in any manner interfere with any laws or rules of any governmental units having jurisdiction that are more stringent. Where these "City of Napoleon, Ohio Engineering Department Rules and Regulations" impose greater restrictions than those of existing laws and rules, then the provisions of these "City of Napoleon, Ohio Engineering Department Rules and Regulations" shall govern.

Rule 2.8 ***Correction and/or Modification***

Any typographical, scrivener, or clerical error found in said "City of Napoleon, Ohio Engineering Department Rules and Regulations" may be corrected by the City Engineer or Public Works Director -upon joint approval of the City Manager, and upon the approval as to form and correctness by the City Law Director, without the necessity of further legislative action; further, nothing in this Ordinance shall be construed as limiting the authority of the City Manager or City Engineer or Public Works Director to establish additional rules and regulations not inconsistent with said "City of Napoleon, Ohio Engineering Department Rules and Regulations" manual without necessity of Council approval; however, any other modifications of these "City of Napoleon, Ohio Engineering Department Rules and Regulations" require the approval by legislation of the City Council of the City of Napoleon, Ohio. The City Engineer or Public Works Director is expressly granted the authority by the City Council to create standard detailed drawings to supplement this manual without further approval of City Council.

(Amended – August 7, 2006 – Ordinance No. 062-06)

RULE 3 PROCEDURES

Rule 3.1 General Statement

The following list of statements on procedure is to be followed in obtaining approval of the City Engineer, the City's respective boards or commissions and/or the Council of Napoleon, Ohio for subdivisions, platting, improving, and/or developing real estate. For the purpose of this section, the requirements set forth within the Subdivision Construction Planning section of this Article shall be followed for all subdivisions, planned unit developments and large-scale commercial and industrial developments. The requirements set forth within the Site Planning section of this Article shall be followed for all other developments, as determined by the City Engineer.

Unless otherwise approved by the Planning Commission and City Council prior to preliminary plan submittal, all streets, water mains, storm sewers, sanitary sewers, and traffic control devices and signage shall be constructed at owner or developer's expense to no less than the minimum standards set forth below and, once accepted by the City pursuant to Chapter 1105 of the City of Napoleon Code of Ordinances, be public infrastructure. Any improvement that is permitted by Council to remain as private shall also be constructed to no less than the minimum standards set forth below such that, in the event the improvements are petitioned to become public, the City may accept the improvements. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

Rule 3.2 Subdivision Construction Planning

Rule 3.2.1 ENGINEER AND SURVEYOR

All preliminary and detailed construction plans for the proposed development shall be prepared under the supervision of and certified by a Professional Engineer registered in the State of Ohio. All preliminary and final plats for the proposed development shall be prepared under the supervision of and certified by a Professional Surveyor registered in the State of Ohio.

Rule 3.2.2 PRELIMINARY PLAN CONSIDERATION

The Owner, Developer or their Agent, along with their Engineer and Surveyor, shall consult with the City Engineer or Public Works Director and any other authority having jurisdiction in the matter. In the case of a subdivision, construction plans for the development will not be considered by the City Engineer or Public Works Director until a preliminary plat of the area in question has been approved in accordance with Chapter 1105 of the Codified Ordinances of the City of Napoleon.

Rule 3.2.3 CONSTRUCTION STANDARDS

The most current edition of the City of Napoleon Standard Construction Drawings and Standard Specifications for Construction shall be used in conjunction with all

construction planning ~~and are available for a fee of twenty-five dollars (\$25.00) from the office of the City Engineer.~~ All applicable standard drawings and specifications of ODOT, the Ohio EPA, AASHTO, AWWA and ASTM shall also be referenced, as required.

Rule 3.2.4 MASTER PLANS AND REFERENCES

Along with the City of Napoleon Rules for Water and Sewer Service and the Fire Prevention Code (Chapter 1501 of the Codified Ordinances of the City of Napoleon), both as may be amended from time to time, the following documents and their amendments shall be used in the planning of the development. Copies of all referenced documents contained in these "City of Napoleon, Ohio Engineering Department Rules and Regulations" are on file in the office of the City Engineer or Public Works Director for review.

"Master Plan of Napoleon, Ohio" - 1957, Metropolitan Planners, Inc., or such plan as may be later adopted and on file in the office of the City Engineer. If such a later plan is developed and adopted, the later plan shall control.

"Study of Theoretical Vehicular On-Street and Off-Street Parking and Existing Parking Supply - City of Napoleon" - July, 1989, McDonnell Proudfoot & Associates, Inc.

"Water Distribution System Analysis - Napoleon, Ohio" - July, 1969, Jones & Henry Engineers, Limited.

"Water Distribution Study for the City of Napoleon, Ohio" - August, 1995, FBA Environmental, Inc.

"Sewerage Report - Napoleon, Ohio" - March, 1973, Jones and Henry Engineers, Limited.

"City of Napoleon - Facilities Plan for Wastewater Collection and Treatment" - October, 1976, Jones & Henry Engineers, Limited.

"Combined Sewer System Operational Plan for the City of Napoleon, Ohio" - December, 1995, Finkbeiner, Pettis & Strout, Inc.

"Napoleon, Ohio Wastewater System Master Plan" - August, 1996, Finkbeiner, Pettis & Strout, Inc.

"Flood Insurance Study - City of Napoleon, Ohio" - November, 1995, Federal Emergency Management Agency.

"Flood Plain Information - Maumee River - Napoleon, Ohio"; 1970; Army Corps of Engineers U.S. Army - Detroit District.

Rule 3.2.5 PRELIMINARY CONSTRUCTION PLAN REQUIREMENTS

Electronic ~~Four (4)~~ copies in PDF format of the preliminary construction plans shall be submitted by the Owner, Developer or their Agent to the Zoning Administrator who shall submit two (2) copies to the City Engineer or Public Works Director and shall be subject to and/or contain the following: (the

Preliminary Plat may be used as the base map for the preliminary construction plan).

The name of the Subdivision (or development), the name of the Owner or Developer, and the name and seal of the Professional Engineer and Professional Surveyor registered in the State of Ohio preparing the plans.

The scale of the preliminary plans shall not be smaller than one inch (1") equals one hundred feet (100').

~~The preliminary plan shall be submitted electronically in pdf format. (Amended - May 2, 2016 - Ordinance No. 009-16)~~

Location of development by Section, Township, and Range. (Amended - August 7, 2006 - Ordinance No. 062-06)

Scale of plan and north arrow.

Boundaries of the proposed development indicated by a heavy line including the bearing and distance for each line and monuments found or set.

Names of adjacent subdivisions and/or owners of record.

A location map of a scale not less than one inch (1") equals two thousand feet (2,000') showing the development in relationship to the corporation limits of the City of Napoleon.

Lot layout and location of existing and proposed utilities and structures.

Show location, widths and names of existing streets, railroad right-of-way, easements, parks, permanent buildings, corporation and township lines, location of wooded areas and other significant topographic and natural features within and adjacent to the proposed development.

Show street names and scaled dimensions for all proposed roads, alleys, easements (with purpose stated) and areas to be reserved for parks, schools, or other public uses.

Angles shall be shown where streets intersect at something other than ninety degrees (90°).

Show the existing contours with the following intervals:

Five feet (5') where the slope is greater than ten percent (10%).

Two feet (2') where the slope is less than ten percent (10%).

One foot (1') in flat areas.

Vertical Datum shall be USGS or NGS. (Amended - August 7, 2006 - Ordinance No. 062-06)

One (1) copy of drainage calculations showing pre- and post-development storm water runoff for two (2), five (5) and ten (10) year storm events shall be submitted with the preliminary plans. If storm water retention or detention is required based upon these calculations, preliminary pond sizing shall be included as part of the submittal. ~~All drainage calculations shall be prepared and sealed by a licensed engineer.~~ (Amended - May 2, 2016 - Ordinance No. 009-16)

If the area is to be developed in phases, the preliminary plan shall be for the entire development. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

After the approval of the preliminary plan by the City Engineer, a reproducible copy of the plan shall be placed on file with the City Engineering Department.

Rule 3.2.6 DETAILED CONSTRUCTION PLANS

One (1) set of the detailed construction plans and specifications in .pdf format prepared by a Professional Engineer registered in the State of Ohio shall be submitted to the Zoning Administrator who shall distribute them to the City Engineer or Public Works Director and other appropriate department heads. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

A title block shall be placed on each sheet showing the design engineer's name, the date when the drawing was done, the sheet number, the total number of sheets and a revision block.

There shall be a title sheet showing a location map, the name of the development, the name and signature of the owner; the name, signature and seal of the design engineer and a signature block for the approvals of the Mayor, the City Manager, and the City Engineer.

The plans shall include general notes, general summary, test boring locations and logs, intersection details and construction details.

One (1) electronic copy of the soil boring log and report, including recommendations for design and construction of streets, underground utilities and buildings, shall be submitted with the detailed construction plans. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

Each plan and profile sheet shall have a north arrow and scales denoted and a minimum of one (1) site bench mark.

A note on the plans shall indicate that all work will be done in accordance with the latest ODOT Construction and Materials Specifications and with the City of Napoleon Standard Specifications for Construction.

All proposed improvements shall be shown in plan and profile.

All existing utilities and structures shall be shown in the plan and profile including, but not limited to, gas mains, storm and sanitary sewers, water mains and buried cables.

The type of pipe material, joints, strength, etc. shall be shown by ODOT, ASTM or AWWA nomenclature.

Details of special structures shall be included in the plans.

All property lines, dimensions, corporation limits, section lines, boundary lines, easements, and other survey lines shall be shown.

The location, description and elevation of all bench marks shall be shown on the appropriate sheets.

USGS or NGS Datum shall be used. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

Indicate references for all existing section corners, street intersections, property corners, etc. that are relevant to the construction.

All supporting data including survey information, pavement design calculations, soil test results, storm sewer design and construction estimates, including a ten percent (10%) contingency, shall be submitted with the detailed plans. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

Rule 3.2.7 FEES

The City Engineering Department shall charge a fee to the Owner or Developer to cover the cost of reviewing the Preliminary and Final Construction Plans, the Preliminary and Final Plat and Construction Inspection and Testing.

Construction Plans

Before the Preliminary Construction Plan review is begun, the Owner, Developer or their Agent must pay a fee of two hundred dollars (\$200.00), plus ten dollars (\$10.00) per acre for every acre, or part thereof, within the proposed development up to a maximum of one thousand dollars (\$1,000.00), by check or money order payable to "City of Napoleon", noting "Engineering Plan Review". This fee is intended to cover the cost of reviewing the Preliminary and Final Construction Plans. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

City Inspection

City employed or City contracted inspectors shall be utilized during construction unless private inspectors are expressly authorized by the City Engineer. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

Inspection Fees Due and Payable

Before construction has begun, the Owner, Developer or their Agent shall: Advance the cost of inspection fees as it relates to City owned or contracted inspector(s) prior to any construction in an amount stated in Rule 3.3.5. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

Rule 3.2.8 WARRANTY

Following final plat approval and the dedication of streets and utilities for public use; however, prior to acceptance thereof by the City, the Owner or Developer shall agree to provide a minimum of a one (1) year warranty from the date of dedication for all work within the development. Such warranty shall be secured by the furnishing of a maintenance bond or irrevocable letter of credit running to the City in the amount equal to one hundred percent (100%) of the value of all streets and utilities to be dedicated for public use. Any work performed under the auspices of said warranty shall cause the time period to extend to one (1) year from the date of such warranty work for those items affected by such warranty

work, as well as a performance agreement as approved by the City Law Director.
(Amended – August 7, 2006 – Ordinance No. 062-06)

Rule 3.3 Site Planning

Rule 3.3.1 ENGINEER OR ARCHITECT AND SURVEYOR

All preliminary and detailed site plans for the proposed development shall be prepared under the supervision of and certified by a Professional Engineer or Architect registered in the State of Ohio. Boundary surveys and descriptions, when required, shall be prepared under the supervision of and certified by a Professional Surveyor registered in the State of Ohio.

Rule 3.3.2 PRELIMINARY SITE PLAN CONSIDERATION

The Owner, Developer or their Agent, along with their Engineer or Architect and Surveyor, shall consult with the City Engineer or Public Works Director and any other authority having jurisdiction in the matter.

Rule 3.3.3 CONSTRUCTION STANDARDS

The most current edition of the City of Napoleon Standard Construction Drawings and Standard Specifications for Construction shall be used in conjunction with all planning ~~and are available for a fee of twenty five dollars (\$25.00) from the office of the City Engineer.~~ All applicable standard drawings and specifications of ODOT, the Ohio EPA, AASHTO, AWWA and ASTM shall also be referenced, as required.

Rule 3.3.4 SITE PLAN REQUIREMENTS

- One (1) copy of the site plan in electronic .pdf format shall be submitted by the Owner, Developer or their Agent to the Zoning Administrator who shall distribute it to the City Engineer or Public Works Director and other appropriate department heads and shall be subject to and/or contain the following: *(Amended – May 2, 2016 – Ordinance No. 009-16)*

The name of the development, the name of the Owner or Developer, and the name of the Engineer or Surveyor preparing the plans. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

Scale of plan and north arrow.

Property lines including the bearing and distance for each line and monuments found or set.

Names of adjacent subdivisions and/or owners of record.

Location of existing and proposed utilities and structures.

Show location, widths and names of existing streets, railroad right-of-way, easements, permanent buildings, location of wooded areas and other significant topographic and natural features within and adjacent to the proposed development.

At a minimum, spot elevations shall be given for every one hundred (100) feet of surface to be developed.

Vertical Datum shall be defined on the drawings.

One (1) copy of drainage calculations showing pre- and post-development storm water runoff for two (2), five (5) and ten (10) year storm events may be requested to be submitted with the preliminary plans, as determined by the City Engineer. If storm water retention or detention is required based upon these calculations, preliminary pond sizing shall be included as part of the submittal. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

If the area is to be developed in phases, the preliminary plan shall be for the entire development. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

Rule 3.3.5

FEES (NOTE: 3.2.7 and 3.3.5 are not the same for Plan Review Fee)

The City Engineering Department shall charge a fee to the Owner or Developer to cover the cost of reviewing the Site Plan. A fee shall also be charged for Construction Inspection and Testing, if required. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

Site Plans

Before the Construction Plan review is begun, the Owner, Developer or their Agent must pay a fee of two hundred dollars (\$200.00), by check or money order payable to "City of Napoleon", noting "Engineering Plan Review". This fee is intended to cover the cost of reviewing the Site Plans. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

Inspection Fee Amounts

If construction inspection is performed by the City Engineering Department utilizing its own or contracted forces, as determined by the City Engineer, the Owner, Developer or their Agent shall: *(Amended – August 7, 2006 – Ordinance No. 062-06)*

1. Pay an amount equal to two percent (2%) of the estimated cost of construction (including contingencies) of all improvements to be connected to City utilities, as verified by the City Engineer, for the City to provide part-time inspection services; or, *(Amended – August 7, 2006 – Ordinance No. 062-06)*
2. In the event the owner or developer hires or utilizes its own inspector responsible for the supervision of construction during the construction period with the consent of the City Engineer, the inspector shall be a professional engineer registered in the State of Ohio or employed by a qualified engineering consulting firm. The inspector shall be responsible to submit construction reports to the City Engineer or Public Works Director on a regular basis as determined by the City Engineer or Public Works Director and notify the City Engineering Department a minimum of one (1) working day prior to when testing is to be performed. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

RULE 4 ROADWAY AND DRAINAGE REQUIREMENTS

Rule 4.1 Pavement Design

Due to emergency vehicle access, all private streets shall be constructed to the same standards as public streets. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

Rule 4.1.1 SOIL TESTS

For every six hundred feet (600') of pavement length, one (1) soil boring shall be made by a qualified testing laboratory. All borings shall be made to a depth of four feet (4') below the proposed top of curb grade or to one foot (1') below the depth of the deepest proposed underground utility, whichever is greater. The soil samples taken at every boring shall be analyzed for:

- a. Visual classification.
- b. AASHTO group index.
- c. Atterburg limits.
- d. Liquid limit, plastic limit, plasticity index. The water table shall also be determined for each boring.

A minimum of one (1) sample per project or on larger projects one (1) sample out of six (6) shall be tested to determine the moisture-density relationship by the Standard Proctor Method (ASTM D-698, AASHTO T-99) and the bearing values by the use of the California Bearing Ratio Test.

The pavement cross section recommended by the testing firm shall prevail, unless the design is less than the minimum design standards set forth below.

Rule 4.1.2 PAVEMENT CROSS SECTION

Pavement for residential streets and parking lots shall include a minimum of one and one half inches (1½") of Asphalt Concrete Surface (ODOT Item 448 Type 1 Medium, PG 64-22), one and one half inches (1½") of Asphalt Concrete Intermediate (ODOT Item 448 Type 2 Medium, PG 64-22), three inches (3") of Bituminous Aggregate Base (ODOT Item 301 PG 64-22), and eight inches (8") of Compacted Aggregate Base (ODOT Item 304) installed in two (2) lifts. Subgrade stabilization fabric meeting the requirements of ODOT Item 712.09 Type D, soil type 2 (apparent opening size ≤ 0.3 mm) shall be required between the subgrade and the aggregate base. Heavier pavement designs shall be required for arterial streets and streets within commercial and industrial areas. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

Rigid concrete pavements may also be utilized if approved by the City Engineer. The minimum residential concrete pavement shall be eight inches (8") of ODOT Item 499, Class "C" concrete over six inches (6") of Compacted Aggregate Base (ODOT Item 304) installed in two (2) lifts. Subgrade stabilization fabric meeting

the requirements of ODOT Item 712.09 Type D, Soil type 2 (apparent opening size ≤ 0.3 mm) shall be required between the subgrade and the aggregate base. Heavier pavements shall be required for arterial streets and streets within commercial and industrial areas. (Amended – August 7, 2006 – Ordinance No. 062-06)

Except for those streets designated as arterial streets, the standard width of pavement shall be twenty-nine feet (29') as measured from the back of curb with ODOT Type 2 concrete curb and gutter. ODOT Type 3 concrete curb and gutter may be utilized in new residential subdivisions. (Amended – August 7, 2006 – Ordinance No. 062-06)

The pavement width may be reduced to twenty-five feet (25') if existing right-of-way width prohibits standard width pavement and/or approved by the City Engineer. (Amended – May 2, 2016 – Ordinance No. 009-16)

Arterial streets shall be a minimum of thirty-three feet (33') in width as measured from the back of curb with ODOT Type 2 concrete curb and gutter. The concrete curb and gutter may be eliminated in industrial developments if approved by the City Engineer. Where curbs and gutters are eliminated, shallow grass drainage swales shall be provided along both sides of the roadway. (Amended – August 7, 2006 – Ordinance No. 062-06)

Streets shall be constructed with transverse slopes of one quarter inch ($\frac{1}{4}$ ") per foot as measured from the centerline to the edge of asphalt. Parking lots shall be sloped to a point, or series of points, within the pavement so as not to shed storm water off the site. Such slopes shall not be less than one percent (1%).

Six inch (6") nominal diameter perforated under drains shall be provided along both sides of pavement. Underdrain inverts shall be four feet (4') below the top of curb. The under drains shall be located directly under the back of curb. Where no curbs are to be constructed, the under drains shall be located directly beneath the edge of the proposed pavement and the invert shall be four feet (4') below the edge of pavement. (Amended – August 7, 2006 – Ordinance No. 062-06)

Rule 4.1.3 SIDEWALKS AND DRIVE APPROACHES

Sidewalks shall be located along both sides of streets, *unless otherwise approved by the City Engineer*. Sidewalks shall be four inches (4") of ODOT Item 499, Class "C" concrete over ~~six-four~~ inches (64") of Compacted Aggregate Base (ODOT Item 304) or Stabilized Crushed Aggregate (ODOT Item 411) except within five feet (5') of drive approaches and within the intersection of rights-of-ways. At drive approaches and intersections, sidewalks shall be six inches (6") of ODOT Class "C" concrete over ~~four-six~~ inches (46") of Compacted Aggregate Base (ODOT Item 304) or Stabilized Crushed Aggregate (ODOT Item 411).

(Amended June 6, 2016 Ordinance No. 020-16)(Amended – May 2, 2016 – Ordinance No. 009-16) (Amended – August 7, 2006 – Ordinance No. 062-06)

Sidewalks shall be four feet (4') in width when located at least two feet (2') from the back of curb or edge of pavement, as applicable. Where within two feet (2') of the back of curb or edge of pavement, sidewalks shall be five feet (5') in width.

Sidewalks shall have a transverse slope no greater than one quarter inch (1/4") per foot, nor a longitudinal slope greater than one inch (1") per foot.

Handicap ramps with curb drops shall be provided at all intersections. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

Drive approaches for residential developments shall be a minimum six inches (6") of ODOT Item 499, Class "C" concrete over six inches (6") of Compacted Aggregate Base (ODOT Item 304) or Stabilized Crushed Aggregate (ODOT Item 411). Commercial drive approaches shall be no less than eight inches (8") of ODOT Item 499, Class "C" concrete over six inches (6") of Compacted Aggregate Base (ODOT Item 304) or Stabilized Crushed Aggregate (ODOT Item 411). **Minimum drive approach curb cuts shall be fourteen feet (14'). Maximum drive approach curb cuts shall be thirty feet (30') for residential drives unless approved by the Engineer. Both minimum and maximum curb cuts include three feet (3') wide drive wings on each side of the drive approach. No residential lot shall have more than one (1) drive unless approved by the City Engineer.** *(Amended – May 2, 2016 – Ordinance No. 009-16) (Amended – August 7, 2006 – Ordinance No. 062-06)*

Commercial and industrial drive approaches shall have Type 2A concrete curb with radii in place of wings. Commercial drive approach widths shall be submitted for review by the City Engineer. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

Rule 4.1.4 VERTICAL GEOMETRY

A vertical curve shall be established where the algebraic differential of grade is greater than ninety-five hundredths percent (0.95%). Vertical curves shall be no less than fifty feet (50') in length.

Pavement grades shall be not less than fifty hundredths percent (0.50%), nor greater than five percent (5%), except in cases of extreme necessity. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

Pavement and gutter grades shall be established on intersection details at the following locations: *(Amended – August 7, 2006 – Ordinance No. 062-06)*

1. At the end of all radii.
2. At the Center of all radii.
3. At the intersection of pavement centerlines.
4. At any point necessary to clarify drainage.

Rule 4.1.5 HORIZONTAL GEOMETRY

The minimum allowable radius at intersections shall be twenty-five feet (25') as measured to the back of curb, except at intersections of a proposed street with an arterial street or state route where the minimum radius shall be thirty-five feet (35') as measured to the back of curb. If streets are not curbed, the minimum radii shall apply to the edge of payment. Where a street is terminated due to phasing, a temporary cul-de-sac shall be constructed. Temporary cul-de-sacs shall have a

minimum radius of thirty-five feet (35') and shall be constructed of twelve inches (12") of Compacted Aggregate Base (ODOT Item 304) installed in two (2) lifts.
(Amended – August 7, 2006 – Ordinance No. 062-06)

The arrangement of streets in new subdivisions shall provide for the continuation of the principal existing streets in adjoining areas.

The angle of intersection between any street and an arterial street shall not be less than eighty degrees (80°) as measured from the centerline of each street. All other streets shall not intersect at an angle less than seventy degrees (70°).

Except in extreme cases, dead end streets shall not be permitted. Where a dead-end is permitted, a cul-de-sac shall be provided at the terminus of the street. Cul-de-sacs shall have a minimum radius of fifty feet (50') as measured to the back of curb. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

Horizontal curves shall be provided where the horizontal deflection exceeds two degrees (2°), fifteen (15) minutes. Horizontal curves shall not exceed the following:

1. The maximum degree of curve shall be eleven degrees (11°), thirty (30) minutes for arterial streets; and
2. The maximum degree of curve shall be sixteen degrees (16°), thirty (30) minutes for all other streets.

A Type "A" monument shall be placed at each change in direction of the centerline of right-of-ways, the intersection of centerlines of all street right-of-ways, the centerline of right-of-way at the end of all phased construction, and the center of all permanent cul-de-sacs. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

Rule 4.1.6 STORM SEWER SIZING

An overall drainage area layout plan showing the limits of the area contributing to each drainage pickup point shall be submitted with the detailed construction plans. The drainage design within the development shall be adequate to handle the entire contributing watershed area, along with its existing, proposed or probable future development, and not just the area being submitted for approval.

All extensions shall be to the farthest end of the development and shall be at the cost of the developer.

If the development is to be completed in phases, the overall drainage plan shall be submitted with the first set of detailed construction drawings and the storm outlet for the entire development shall be included for construction within the first phase.

Storm sewers shall be sized using the "Rational Method" ($Q = CIA$). The storm sewers shall be designed to flow just full for a five (5) year storm event. The hydraulic grade for each segment of sewer shall be checked by using the ten (10) year intensity-duration-frequency curve. The initial time of concentration (T_c) shall be not less than twenty (20) minutes.

The runoff coefficients (C) to be used shall be based on a weighted coefficient of runoff using the following ranges:

Type of Ground Cover or Development	Runoff Coefficient (C)
Concrete or Asphalt Pavements	0.90
Roof Areas	0.90
Gravel/Stone Areas Roadways	0.50
Undeveloped Sites	0.20

Catch basin and curb inlet crossovers shall be twelve inch (12") nominal diameter and placed at no less than one percent (1%) slope.

Catch basins and curb inlets shall be constructed per the City of Napoleon Standard Construction Drawings.

Storm taps shall be provided for residential and commercial lots. Storm taps shall consist of a six inch (6") ~~wyete~~ connected to the storm sewer main and a six inch (6") PVC crossover extended to the right-of-way line for each building lot in a development. The location and the elevation of the storm tap at the right-of-way line shall be shown on the detailed plans. Storm taps shall be utilized as outlets for footer drains and sump pumps only. Downspouts shall outlet onto the ground surface. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

Rear yard drainage shall be provided by means of drainage swales and/or catch basins located between lots.

Manholes shall be provided at intervals not to exceed four hundred feet (400'), at all changes in size, direction or grade, at the connection point between two (2) or more mainline sewers and at the upper terminus of the sewer.

A headwall with dump rock fill shall be provided at the outfall of a proposed storm sewer. Dump rock fill shall be ODOT Item 601.07 Type C.

The proposed outlet for the storm drainage system must be approved at the time of the preliminary plan. A method of on-site retention or detention of storm water shall be provided. Calculations for the sizing of a retention/detention pond or basin shall be based upon the following criteria: *(Amended – May 2, 2016 – Ordinance No. 009-16)*

Any increase in the volume of storm water runoff caused by site development shall be controlled such that the post-development peak rate of discharge does not exceed that of pre-development for all twenty-four (24) hour storms between the two (2) year frequency and the critical storm for all undeveloped lots, as subsequently defined. ~~In other words, when required, F~~ facilities shall be provided such that the volume of water equal to that produced under post-development conditions for the critical storm may be retained or detained on site while discharging at a rate not to exceed that produced by a two (2) year storm under pre-development conditions. Pre-development conditions assumes the project site all developments to be a grass lots. For parking or building additions to existing facilities, these rules apply to the

proposed addition only, regardless of the runoff coefficient of the area affected by the addition. (Amended – May 2, 2016 – Ordinance No. 009-16)

The method by which the Owner or Engineer shall determine the changes in rates of runoff and runoff volumes is presented in Urban Hydrology for Small Watersheds (TR-55) as prepared by the US Department of Agriculture, Soil Conservation Service, Engineering Division and dated June, 1986. TR-55 is supplemented by the Ohio Supplement to Urban Hydrology for Small Watersheds.

To determine the critical storm for which control is required, the Owner or Engineer shall:

Calculate the storm water runoff for a two (2) year frequency, twenty-four (24) hour storm for undeveloped conditions (C = 0.20) and post-development of the site. The maximum allowable runoff from the proposed site shall be pre-development runoff.

Subtract the pre-development runoff from the post-development runoff and divide by the pre-development runoff to determine the percent of increase.

Determine the critical storm frequency for which storm water control is required from the following table:

Storm Frequency Requirements		
Equal to or Greater Than (%)	Less Than (%)	Storm Frequency (Years)
--	20	2
20	50	5
50	100	10
100	250	25
250	500	50
500	--	100

Example (critical storm):

Development Area = 6.25 acres

Pre-development "C" = 0.20 Post-development "C" = 0.80 (Amended – August 7, 2006 – Ordinance No. 062-06)

2 year, 24 Hour Rainfall = 2.60 inches (Table OH-1, TR-55 Ohio Supplement)

$$Q2A = (0.20) * (2.60) * (6.25) = 3.25 \text{ CFS}$$

$$Q2B = (0.80) * (2.60) * (6.25) = 13.00 \text{ CFS}$$

$$(Q2B - Q2A) / (Q2A) = (13.00 - 3.25) / (3.25) = 3.0, \text{ or } 300\%$$

Therefore, the critical storm is the fifty (50) year frequency, twenty-four (24) hour storm. (Amended – May 2, 2016 – Ordinance No. 009-16)

Develop a unit hydrograph of the critical storm for the proposed development, including a horizontal line at the rate of allowable discharge (Q2A). Calculate the area beneath the curve and above the horizontal line. This will equate to the volume of retention or detention required.

Rule 4.1.7

Traffic Control Devices

The placement of all traffic control devices and signage in all phases of a development or subdivision shall be at the owner's or developer's expense until acceptance and in accordance with standards defined in the Manual Of Uniform Traffic Control Devices as on file with the City, or as otherwise directed by the City Engineer. *(Amended – August 7, 2006 – Ordinance No. 062-06) (Amended – October 16, 2006 – Ordinance No. 100-06)*

Rule 4.2 Sanitary Sewers

Rule 4.2.1 GENERAL

All sanitary sewers shall meet all of the requirements of the Ohio EPA and the City of Napoleon Standard Specifications for Construction.

Rule 4.2.2 SEWER EXTENSIONS

If a development can be reasonably served by the extension of an existing sewer, as determined by the City Engineer, the Owner, Developer or their Agent may petition the City for the extension of said sewer. All extensions shall be to the farthest end of the development and shall be at the cost of the developer. (See also City of Napoleon Rules for Water and Sewer Service.) *(Amended – May 2, 2016 – Ordinance No. 009-16)*

Rule 4.2.3 LIFT STATIONS

When a subdivision cannot be readily serviced by a sewer extension of an existing sanitary sewer by gravity flow, a lift station shall be required.

Lift stations shall be constructed at the cost of the Owner or Developer and shall be of the wet-well - dry-well type and shall include telemetering equipment.

The drawings and specifications for lift stations shall be submitted for approval with the detailed construction plans.

Rule 4.2.4 SANITARY SEWER SERVICES

Sanitary sewers shall be a minimum of eight inches (8") in diameter and shall be constructed with six inch (6") diameter service connections to each proposed lot or unit within a development and shall be extended from the sanitary sewer main to the right-of-way line. A six inch (6") diameter cleanout shall be required at the right-of-way line. *(Amended – May 2, 2016 – Ordinance No. 009-16) (Amended – August 7, 2006 – Ordinance No. 062-06)*

Service connections shall be constructed at no less than one percent (1%) slope, not greater than three percent (3%) slope and shall outlet directly into the sewer main, not into manholes unless authorized by the City Engineer. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

Manholes shall be provided at intervals not to exceed four hundred feet (400') , at all changes in size, direction or grade, at the connection point between two (2) or more mainline sewers and at the upper terminus of the sewer. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

Where oversizing of the proposed sanitary sewers is required by the City, the City shall pay the incremental cost of oversizing, as determined by the City Engineer, prior to construction. The oversizing of sanitary sewers to reduce the slope of the sewer and compensate for grade concerns is prohibited.

Prior to commencing with construction, the City Engineer or Public Works Director shall receive one (1) copy of the Ohio EPA Permit to Install for the proposed sanitary sewers and an approved set of plans. Any construction

commencing prior to the City Engineer or Public Works Director receiving such documentation shall be subject to penalties as subsequently defined.

Rule 4.3 Water Mains

Rule 4.3.1 GENERAL

All water mains shall meet all of the requirements of the Ohio EPA and the City of Napoleon Standard Specifications for Construction.

Rule 4.3.2 WATER MAIN EXTENSIONS

If a development can be reasonably served by the extension of an existing water main, as determined by the City Engineer, the Owner, Developer or their Agent may petition the City for the extension of said water main. All extensions shall be to the farthest end of the development and shall be at the cost of the developer. (See also City of Napoleon Rules for Water and Sewer Service.) *(Amended – May 2, 2016 – Ordinance No. 009-16)*

Rule 4.3.3 WATER MAINS

Water mains shall be a minimum of eight inches (8") in diameter. Six inch (6") diameter water mains shall only be allowed if justified by the City of Napoleon's water model. All costs for modeling the proposed waterline shall be paid by the developer regardless of the findings. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

Service connections shall be installed by the contractor responsible for the installation of the respective water mains.

Service connections shall be provided for each building lot within a development and shall be extended from the water main to the right-of-way line with a curb valve and box installed at the right-of-way line. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

Service connections shall be sized based upon the water fixture unit demand as determined by current building codes. However, no service connections shall be less than one inch (1") diameter, Type K copper.

Water mains shall be "looped", where possible.

Where oversizing of the proposed water mains is required by the City, the City shall pay the incremental cost of oversizing, as determined by the City Engineer, prior to construction.

Valves shall be located as follows:

1. The lesser of not more than every five hundred feet (500') or at all intersections for commercial and industrial developments;
2. The lesser of not more than every eight hundred feet (800') or at all intersections for residential developments;
3. At all connections to existing water mains; and
4. At the end of all dead end water mains. Plugs shall also be provided at dead ends.

Fire hydrants shall be located as follows:

1. Every three hundred feet (300') for commercial and industrial developments;
2. Every five hundred feet (500') for residential developments; and
3. At the end of all dead end water mains.

Prior to commencing with construction, the City Engineer or Public Works Director shall receive one (1) copy of the Ohio EPA Permit to Install for the proposed water mains and an approved set of plans. Any construction commencing prior to the City Engineer or Public Works Director receiving such documentation shall be subject to penalties as subsequently defined.

RULE 5 CONSTRUCTION AND POST-CONSTRUCTION REQUIREMENTS

Rule 5.1 Permits

The Owner or Developer shall obtain all applicable permits, including but not limited to, the Ohio EPA Permit to Install for water mains and sanitary sewers and building permits from the proper authorities, which may be necessary to proceed with the construction of the improvements. An approved Notice of Intent (NOI) must be applied for as per requirements of the OhioEPA.

Prior to commencing with construction, the City Engineer or Public Works Director shall receive one (1) copy of the Ohio EPA Permit to Install for the proposed water mains and sanitary sewers along with an approved set of plans in .pdf format. Any construction commencing prior to the City Engineer or Public Works Director receiving such documentation shall be subject to penalties as subsequently defined. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

Rule 5.2 Restrictions on Plan Approval

The Owner or Developer shall, unless an extension of time is requested in writing and granted by the City Engineer, commence with the construction of the proposed improvement within one (1) year of the date of approval of the detailed construction plans and specifications.

Any proposed changes or alternates to the plan after approval, but prior to construction, shall be subject to the complete review process, including resubmittal to all applicable agencies.

Any proposed changes to the approved plan once construction has commenced shall be brought to the attention of and reviewed by the City Engineer. Any such modifications to the approved plan without the proper notification to the City Engineer or Public Works Director shall be subject to penalties as subsequently defined.

Rule 5.3 Construction

The Owner or Developer shall pay all applicable inspection fees, as defined previously, **prior to commencing with construction.**

The Owner or Developer shall hire a qualified testing laboratory to provide testing services throughout construction including, but not limited to, compaction and concrete testing.

If the Owner or Developer opts to provide its own inspection services, the responsible inspector shall be a Professional Engineer registered in the State of Ohio or an agent thereof. The inspector shall provide the City with daily construction reports and shall inform the City a minimum of one (1) working day in advance of any testing procedure. The City shall maintain the right to reject any and all work performed.

Rule 5.4

As-Built Plans

The Owner or Developer shall, within sixty (60) days after the completion of construction, submit one (1) set of electronic plans in .pdf format marked "AS-BUILT" to the City Engineer. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

The Owner's or Developer's Engineer shall provide a notarized affidavit certifying that the completion of the work is in accordance with the approved plans. If any changes to the approved plans occurred, a list of these deviations shall be included with the certification. A sample affidavit is available from the office of the City Engineer.

RULE 6 VIOLATIONS AND PENALTIES

Rule 6.1 *Violations and Penalties*

Criminal violations of the "City of Napoleon, Ohio Engineering Department Rules and Regulations" and associated penalties therefore, shall be pursuant to City Ordinance 30-98, as may be amended from time to time, or codified.

Rule 6.2 *Revocation of Prior Approvals*

In addition to the criminal penalties specified in Rule 6.1 above, the City Manager may, for a violation of the "City of Napoleon, Ohio Engineering Department Rules and Regulations" or City Ordinance No. 30-98 as may be amended from time to time, or codified, (upon such finding by the City Manager after an informal hearing with the Owner, Developer or Agent thereof and the City Engineer, unless such hearing is waived), order the revocation of all prior approvals of the City and the City Engineer or Public Works Director relative to the property being developed. The failure to appear at a scheduled hearing after notice constitutes a waiver thereof. *(Amended – August 7, 2006 – Ordinance No. 062-06)*

Rule 6.3 *EPA Notification*

Any work performed for the installation of sanitary sewers and/or water mains commenced without first obtaining the necessary permits or approvals of the Ohio EPA shall be reported directly to the Ohio EPA Northwest District Office.

Rule 6.4 *Administrative Penalties for Failure to Meet Specifications*

If the Owner, Developer or Agent thereof, opts to provide their own inspection services and does not comply with the requirements of the "City of Napoleon, Ohio Engineering Department Rules and Regulations", the Owner, Developer or Agent shall be subject to Administrative Fines in the amount of fifty dollars (\$50.00) per day for each day that a violation exists, to be levied by the City Manager (upon a finding that the violation exists after an informal hearing with the Owner, Developer or Agent thereof and the City Engineer, unless such hearing is waived). Failure to appear at a scheduled hearing after notice constitutes a waiver thereof. All improvements completed during times when inspection does not meet the requirements of the "City of Napoleon, Ohio Engineering Department Rules and Regulations" will not be accepted by the City.

RULE 7 ADMINISTRATIVE APPEALS

Rule 7.1 Appeals in General

Any decision of the City Manager in regard to the denial, suspension or revocation of a permit, as required by the "City of Napoleon, Ohio Engineering Department Rules and Regulations", or any finding or imposition of an administrative fine, as authorized by the "City of Napoleon, Ohio Engineering Department Rules and Regulations", or forfeiture of prior approvals of the City Engineer or Public Works Director may be appealed to the Municipal Properties, Buildings, Land Use & Economic Development Committee of Council, so long as the appeal is commenced in a timely manner. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

A filing fee of thirty-five dollars (\$35.00), as may be amended from time to time, will be charged for all appeals to the Municipal Properties, Buildings, Land Use & Economic Development Committee of Council. However, this fee may be waived by the Finance Director in cases of indigence. Further, said fee will be returned if the appealing party prevails. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

Rule 7.2 Appeals from Decision of City Manager

After a hearing by the City Manager, a decision or order shall be rendered and delivered by either personal service or mailed to the person who filed the appeal at the last known address by regular mail.

An appeal from a decision of the City Manager, after hearing, may be taken to the Municipal Properties, Buildings, Land Use & Economic Development Committee of Council, so long as a notice of appeal is filed in writing with the Finance Director within thirty (30) business days after mailing of the decision or order of the City Manager or thirty (30) business days after rendering the decision or order by personal service to the person who filed the appeal. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

Appeals will not stay the decision or order of the City Manager as a result of his/her finding.

Appeals to the Municipal Properties, Buildings, Land Use & Economic Development Committee of Council will be held in a timely manner and will be informal in nature such that the rules of evidence shall not apply. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

Such orders of the Municipal Properties, Buildings, Land Use & Economic Development Committee of Council will be considered final. *(Amended – May 2, 2016 – Ordinance No. 009-16)*

Rule 7.3 Scope of Appeals

The scope of all appeals to the Municipal Properties, Buildings, Land Use & Economic Development Committee of Council shall be limited to the question of whether the City Manager acted unreasonably, arbitrary or capricious in his/her decision. The Committee may, upon a finding that the City Manager acted unreasonable, arbitrary or capricious in his/her decision, merely remand the

subject of appeal to the City Manager for further consideration. (*Amended – May 2, 2016 – Ordinance No. 009-16*)



City of Napoleon, Ohio

255 West Riverview Avenue, P.O. Box 151
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Telephone: (419) 592-4010 Fax: (419) 599-8393
www.napoleonohio.com

Memorandum

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

From: Roxanne Dietrich, Clerk

Date: June 10, 2022

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

The regularly scheduled meeting of the **Water, Sewer, Refuse, Recycling and Litter Committee** for Monday, June 13, 2022 at 7:00 pm has been CANCELED due to lack of agenda items.

City of Napoleon, Ohio

PARKS AND RECREATION BOARD

SPECIAL MEETING AGENDA

Tuesday, June 14, 2022 at 6:00 pm

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

1. Call to Order
2. Approval of Minutes April 27, 2022 (in the absence of any objections or corrections, the minutes shall stand approved)
3. Discussion and/or Action on Fourth of July Celebration Activities and Events
4. Discussion on Recreation Programming
5. Miscellaneous

Roxanne Dietrich

Roxanne Dietrich ~ Clerk



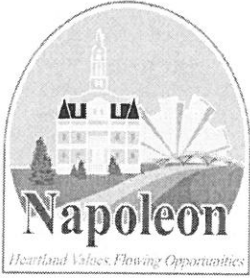
City of Napoleon, Ohio

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Memorandum

To: Board of Zoning Appeals, City Council, Mayor, City Manager, City Finance Director, Law Director, Department Supervisors, News-media
From: Roxanne Dietrich, Clerk
Date: June 10, 2022
Subject: Board of Zoning Appeals – Cancellation

The regularly scheduled meeting of the Board of Zoning Appeals set for Tuesday, June 14, 2022 at 4:30 pm has been CANCELED due to lack of agenda items.



City of Napoleon, Ohio

255 West Riverview Avenue, P.O. Box 151

Napoleon, OH 43545

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Memorandum

To: Planning Commission, City Council, Mayor,
City Manager, City Finance Director, Law
Director, Department Supervisors, News-media

From: Roxanne Dietrich, Clerk

Date: June 10, 2022

Subject: Planning Commission – Cancellation

The regularly scheduled meeting of the **PLANNING COMMISSION** for Tuesday, June 14, 2022 at 5:00 pm has been *anceled* due to lack of agenda items.

City of Napoleon, Ohio

CIVIL SERVICE COMMISSION

Special Meeting Agenda

Saturday, June 18, 2022 at 9:00 am

Location: St. Paul Lutheran Church, 1075 Glenwood Avenue, Napoleon, OH

1. Approve Applicants for Police Officer (Patrolman Grade) Physical Agility Test
2. Administer the Police Officer (Patrolman Grade) Physical Agility Test
3. Adjournment

Roxanne Dietrich

Roxanne Dietrich, Clerk