
Memorandum

To: Mayor & Members of Council
From: Roxanne
Subject: General Information
Date: November 11, 2016

CALENDAR

AGENDAS for Monday, November 14th

Electric Committee and Board of Public Affairs @6:30 PM

1. Approval of Minutes from October 10, 2016 – the minutes are enclosed
2. Review/Approval of the Power Supply Cost Adjustment Factor for November 2016 – the reports are attached
3. Electric Department Report for October 2016 is enclosed

Water/Sewer Committee @7:00 pm

1. Approval of Minutes from October 10, 2016 – the meeting minutes are attached
2. Review of Water Rates Related to Water Plant Upgrade Project
 - a. John Courtney will be at the meeting.
3. Review of Sewer Revenue Fund Cost of Service and Rate Review

Personnel Committee @7:15 pm

CANCELLATION

1. Municipal Properties/ED Committee

INFORMATIONAL ITEMS

1. OMEA Newsletter/November 2016
2. AMP Update/November 04, 2016
3. Press Release/Curbside Leaf Pickup

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7 7:00 pm City Council	8 10:30 am Privacy Comm. 4:30 pm BZA 5:00 pm Planning Comm.	9	10	11	12
13	14 6:30 pm Electric Comm 6:30 pm BOPA 7:00 pm Water/Sewer 7:15pm Personnel Comm	15	16	17	18	19
20	21 7:00 City Council	22 4:30 pm Civil Service	23	24 CLOSED Thanksgiving	25	26
27	28 6:30 Finance & Budget 7:30 Safety & Human Resources Comm.	29	30 6:30 pm Parks & Rec Board	01 DECEMBER	02 DECEMBER	03 DECEMBER
					Budget Review Meetings	

City of Napoleon, Ohio

ELECTRIC COMMITTEE

Meeting Agenda

Monday, November 14, 2016 at 6:30 pm

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

- 1) Approval of the Minutes from October 10, 2016 (*In the absence of any objections or corrections, the Minutes shall stand approved*)
- 2) Review/Approval of the Power Supply Cost Adjustment Factor for November, 2016:
PSCAF three (3) month averaged factor-\$0.00499 (Prior PSCAF October 2016 factor-\$0.00982)
JV2: \$0.101015
JV5: \$0.101015
- 3) Electric Department Report.
- 4) Any other matters currently assigned to the Committee
- 5) Adjournment

Gregory J. Heath
Finance Director/Clerk of Council

CITY OF NAPOLEON, OHIO
ELECTRIC COMMITTEE MEETING MINUTES
Monday, October 10, 2016 at 6:30 pm

PRESENT	
Members	Travis Sheaffer-Chair (arrived at 6:33 pm), Patrick McColley, Dan Baer
Board of Public Affairs	Mike DeWit-Chair, Dr. David Cordes, Nick Frysinger
City Staff	Greg Heath, Finance Director/Clerk of Council Monica Ireland, City Manager Dennis Clapp, Electric Distribution Superintendent
Recorder	Roxanne Dietrich
Other	Newsmedia
ABSENT	
Call to Order	McColley called the Electric Committee Meeting to order at 6:30 pm.
Approval of Minutes from September 12, 2016	Minutes of the September 12, 2016 meeting stand approved as read with no objections or corrections.
Review/Approval of the Power Supply Cost Adjustment Factor for October, 2016	The Electric Power Supply Cost Adjustment Factor for October, 2016 was presented for review.
Motion to Accept BOPA Recommendation for Approval of Power Supply Cost Adjustment Factor	Motion: Baer Second: McColley To accept the BOPA recommendation for approval of the Power Supply Cost Adjustment Factor for October, 2016 as follows: PSCAF three (3) month averaged factor: \$0.00982 JV2: \$0.065472 JV5: \$0.065472
Discussion	None
Passed	Roll call vote on above motion:
Yea-2	Yea—McColley, Baer
Nay-0	Nay

**Electric Department
Report**

Dennie Clapp, Electric Distribution Superintendent gave the electric reports from September 2016, a copy of the detailed reports is attached.

Clapp reported back to the committee on their question if other communities charge a service fee when a service man is sent out and the problem is on the customer side of the meter.

He received twenty-four (24) responses, fifteen (15) do not charge and nine (9) do charge, the prices ranged from \$25 to \$700.

Those who do not charge responded we want to be a great electric service for our customers and if they have any concern on anything related to electric or electrical wires we want them to call us and we will handle if the problem is ours and tell them what to do if the problem is not ours. We do not want our customers getting into the lines and getting hurt. Clapp said he personally doesn't think we have enough call-ins that would create enough revenue to offset insurance. DeWit said he totally would concur the only time would be if you need some caveat for someone who calls you every day for normal things. Clapp said one of the respondents did have someone that called in all the time and they started to charge them. DeWit said don't know if we need to have a change in the ordinance. Clapp said I don't want people not calling in because they are afraid they will be charged. McColley said it is nice to know we aren't outside of the realm. Clapp said I think we are where we need to be.

**Motion to Remove Net
Metering Policy**

Motion: McColley Second: Baer
Motion to remove Net Metering Policy from the agenda.

**Passed
Yea-3
Nay-0**

Roll call vote on above motion:
Yea-Sheaffer, McColley, Baer
Nay-

**Motion to Adjourn
Electric Committee
Meeting**

Motion: McColley Second: Baer
To adjourn the Electric Committee at 6:42 pm.

**Passed
Yea-3
Nay-0**

Roll call on above motion:
Yea-Sheaffer, McColley, Baer
Nay-

**Approved
November 14, 2016**

Travis Sheaffer, Chair

NOVEMBER 2016

City of Napoleon, Ohio

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

AMP Billed Usage Month	City Billing Month	City Net (Prior Mo) kWh Delivered	Purchased Power Supply Costs (*Net of Known) (Credit's) Actual Billed	Rolling 3-Month Totals Current + Prior 2 Months kWh Cost c + prior 2 Mo	Rolling 3-Month Totals Current + Prior 2 Months kWh Cost d + prior 2 Mo	Rolling 3 Month Average Cost f / e	Less: Fixed Base Power Supply Cost \$0.07194 Fixed	PSCA Dollar Difference + or (-) g + h	PSCAF 3 MONTH AVERAGED FACTOR i X 1.075
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
		Actual Billed	Actual Billed	c + prior 2 Mo	d + prior 2 Mo	f / e	\$0.07194 Fixed	g + h	i X 1.075
Oct '14	Dec '14	12,957,031	\$ 1,007,380.97	40,854,845 \$ 3,010,789.99	\$ 3,010,789.99	0.07369	\$ (0.07194)	\$ 0.00175	\$ 0.00189
Nov '14	Jan '15	13,630,693	\$ 1,048,435.47	39,521,652 \$ 2,928,938.99	\$ 2,928,938.99	0.07411	\$ (0.07194)	\$ 0.00217	\$ 0.00233
Dec '14	Feb '15	14,030,217	\$ 1,077,557.19	40,617,941 \$ 3,133,373.63	\$ 3,133,373.63	0.07714	\$ (0.07194)	\$ 0.00520	\$ 0.00559
Jan '15	March '15	14,814,734	\$* 1,036,847.14	42,475,644 \$ 3,162,839.80	\$ 3,162,839.80	0.07446	\$ (0.07194)	\$ 0.00252	\$ 0.00271
Feb '15	April '15	13,867,347	\$ 960,357.18	42,712,298 \$ 3,074,761.51	\$ 3,074,761.51	0.07199	\$ (0.07194)	\$ 0.00005	\$ 0.00005
March '15	May '15	13,844,262	\$ 1,003,564.83	42,526,343 \$ 3,000,769.15	\$ 3,000,769.15	0.07056	\$ (0.07194)	\$ (0.00138)	\$ (0.00148)
April '15	June '15	12,167,778	\$ 886,097.15	39,879,387 \$ 2,850,019.16	\$ 2,850,019.16	0.07147	\$ (0.07194)	\$ (0.00047)	\$ (0.00051)
May '15	July '15	11,261,298	\$ 881,002.83	37,273,338 \$ 2,770,664.81	\$ 2,770,664.81	0.07433	\$ (0.07194)	\$ 0.00239	\$ 0.00257
Jun '15	Aug '15	13,738,522	\$ 916,655.51	37,167,598 \$ 2,683,755.49	\$ 2,683,755.49	0.07221	\$ (0.07194)	\$ 0.00027	\$ 0.00029
Jul '15	Sep '15	15,053,827	\$ 979,654.01	40,053,647 \$ 2,777,312.35	\$ 2,777,312.35	0.06934	\$ (0.07194)	\$ (0.00260)	\$ (0.00280)
Aug '15	Oct '15	15,336,926	\$ 965,909.05	44,129,275 \$ 2,862,218.57	\$ 2,862,218.57	0.06486	\$ (0.07194)	\$ (0.00708)	\$ (0.00761)
Sept '15	Nov '15	14,245,268	\$ 1,020,249.35	44,636,021 \$ 2,965,812.41	\$ 2,965,812.41	0.06644	\$ (0.07194)	\$ (0.00550)	\$ (0.00591)
Oct '15	Dec '15	13,510,482	\$ 809,877.76	43,092,676 \$ 2,796,036.16	\$ 2,796,036.16	0.06488	\$ (0.07194)	\$ (0.00706)	\$ (0.00758)
Nov '15	Jan '16	13,060,476	\$ 939,293.49	40,816,226 \$ 2,769,420.60	\$ 2,769,420.60	0.06785	\$ (0.07194)	\$ (0.00409)	\$ (0.00440)
Dec '15	Feb '16	13,634,579	\$ 863,769.64	40,205,537 \$ 2,612,940.89	\$ 2,612,940.89	0.06499	\$ (0.07194)	\$ (0.00695)	\$ (0.00747)
Jan '16	Mar '16	14,813,772	\$ 1,060,489.73	41,508,827 \$ 2,863,552.86	\$ 2,863,552.86	0.06899	\$ (0.07194)	\$ (0.00295)	\$ (0.00317)
Feb '16	Apr '16	13,961,098	\$ 1,012,584.64	42,409,449 \$ 2,936,844.01	\$ 2,936,844.01	0.06925	\$ (0.07194)	\$ (0.00269)	\$ (0.00289)
Mar '16	May '16	12,975,047	\$ 1,017,837.14	41,749,917 \$ 3,090,911.51	\$ 3,090,911.51	0.07403	\$ (0.07194)	\$ 0.00209	\$ 0.00225
Apr '16	June '16	12,132,975	\$ 897,981.75	39,069,120 \$ 2,928,403.53	\$ 2,928,403.53	0.07495	\$ (0.07194)	\$ 0.00301	\$ 0.00324
May '16	July '16	11,244,178	\$ 976,900.73	36,352,200 \$ 2,892,719.62	\$ 2,892,719.62	0.07957	\$ (0.07194)	\$ 0.00763	\$ 0.00821
June '16	Aug '16	12,200,629	\$ 1,068,079.71	35,577,782 \$ 2,942,962.19	\$ 2,942,962.19	0.08272	\$ (0.07194)	\$ 0.01078	\$ 0.01159
July '16	Sep '16	13,629,297	\$* 1,080,619.47	37,074,104 \$ 3,125,599.91	\$ 3,125,599.91	0.08431	\$ (0.07194)	\$ 0.01237	\$ 0.01329
Aug '16	Oct '16	15,596,452	\$* 1,210,058.88	41,426,378 \$ 3,358,758.06	\$ 3,358,758.06	0.08108	\$ (0.07194)	\$ 0.00914	\$ 0.00982
Sep '16	Nov '16	14,780,525	\$* 1,079,259.61	44,006,274 \$ 3,369,937.96	\$ 3,369,937.96	0.07658	\$ (0.07194)	\$ 0.00464	\$ 0.00499

BILLING SUMMARY AND CONSUMPTION for BILLING CYCLE - NOVEMBER, 2016									
2016 - NOVEMBER BILLING WITH OCTOBER 2016 DATA BILLING UNITS									
PREVIOUS MONTH'S POWER BILLS - PURCHASED POWER KWH AND COST ALLOCATIONS BY DEMAND & ENERGY:									
<u>DATA PERIOD</u>	<u>MONTH / YR</u>	<u>DAYS IN MONTH</u>	<u>MUNICIPAL PEAK</u>						
AMP-Ohio Bill Month	SEPTEMBER, 2016	30	30,996						
City-System Data Month	OCTOBER, 2016	31							
City-Monthly Billing Cycle	NOVEMBER, 2016	30							
=====CONTRACTED AND OPEN MARKET POWER=====									
=====PEAKING=====									
=====HYDRO POWER=====									
(PURCHASED POWER-RESOURCES -> (AMP CT	FREEMONT	PRAIRIE STATE	MORGAN STNLY	NORTHERN	JV-2	AMP-HYDRO	MELDAHL-HYDR	GREENUP HYDR
(SCHED. @ ATSI	ENERGY	SCHEDULED	SCHED. @ PJMC	REPLMNT.2015-20	POWER	PEAKING	CSW	SCHED. @	SCHED. @
(SCHED. @ ATSI	SCHEDULED	REPLMT@ PJMC	7x24 @ AD	POOL	SCHED. @ ATSI	SCHED. @ PJMC	MELDAHL BUS	GREENUP BUS	
Delivered kWh (On Peak) ->	93,503	2,497,274	3,601,275	2,736,000	1,244,968	1,249	614,067	106,064	94,279
Delivered kWh (Off Peak) ->					378,212				
Delivered kWh (Replacement/Losses/Offset) ->									
Delivered kWh/Sale (Credits) ->					-729,356				
Net Total Delivered kWh as Billed ->	93,503	2,497,274	3,601,275	2,736,000	893,824	1,249	614,067	106,064	94,279
<i>Percent % of Total Power Purchased-></i>	<i>0.6902%</i>	<i>18.4331%</i>	<i>26.5820%</i>	<i>20.1952%</i>	<i>6.5976%</i>	<i>0.0092%</i>	<i>4.5326%</i>	<i>0.7829%</i>	<i>0.6959%</i>
<u>COST OF PURCHASED POWER:</u>									
<u>DEMAND CHARGES (+Debits)</u>									
Demand Charges	\$34,835.57	\$41,131.77	\$58,851.09			\$837.26	\$11,513.38	\$4,132.27	\$1,325.94
Debt Services (Principal & Interest)		\$44,279.65	\$99,491.04				\$137,780.07	\$15,418.59	\$4,557.30
<u>DEMAND CHARGES (-Credits)</u>									
Transmission Charges (Demand-Credits)	-\$29,649.45					-\$542.45			
Capacity Credit	-\$62,412.87	-\$32,975.88	-\$14,555.97			-\$1,487.38	-\$2,552.41	-\$1,653.62	-\$854.47
Sub-Total Demand Charges	-\$57,226.75	\$52,435.54	\$143,786.16	\$0.00	\$0.00	-\$1,192.57	\$146,741.04	\$17,897.24	\$5,028.77
<u>ENERGY CHARGES (+Debits):</u>									
Energy Charges - (On Peak)	\$8,466.72	\$71,792.30	\$42,108.94	\$172,231.20	\$61,984.71	\$54.81	\$180.57	-\$72.73	\$105.37
Energy Charges - (Replacement/Off Peak)					\$10,353.74				
Net Congestion, Losses, FTR		\$5,757.53	\$8,952.74	\$1,355.75			\$1,641.49	\$188.21	\$112.18
Transmission Charges (Energy-Debits)			\$37,394.52						
ESPP Charges									
Bill Adjustments (General & Rate Levelization)		\$126.66				\$44.42	-\$1,228.13	-\$9,253.50	\$389.66
<u>ENERGY CHARGES (-Credits or Adjustments):</u>									
Energy Charges - On Peak (Sale or Rate Stabilization)					-\$20,254.01				
Net Congestion, Losses, FTR									
Bill Adjustments (General & Rate Levelization)			\$6,790.81				-\$59,570.52	-\$212.13	-\$188.56
Sub-Total Energy Charges	\$8,466.72	\$77,676.49	\$95,247.01	\$173,586.95	\$52,084.44	\$99.23	-\$58,976.59	-\$9,350.15	\$418.65
<u>TRANSMISSION & SERVICE CHARGES, MISC.:</u>									
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 - ALL COSTS OF PURCHASED POWER	-\$48,760.03	\$130,112.03	\$239,033.17	\$173,586.95	\$52,084.44	-\$1,093.34	\$87,764.45	\$8,547.09	\$5,447.42
<i>Purchased Power Resources - Cost per kWh-></i>	<i>-\$0.521481</i>	<i>\$0.052102</i>	<i>\$0.066375</i>	<i>\$0.063446</i>	<i>\$0.058271</i>	<i>-\$0.875372</i>	<i>\$0.142923</i>	<i>\$0.080584</i>	<i>\$0.057780</i>

BILLING SUMMARY AND CONS									
2016 - NOVEMBER BILLING WITH OCTOBER 2016									
PREVIOUS MONTH'S POWER BILLS - PJM									
DATA PERIOD									
AMP-Ohio Bill Month									
City-System Data Month									
City-Monthly Billing Cycle									
====WIND=====									
====SOLAR=====									
====TRANSMISSION, SERVICE FEES & MISC. CONTRACTS=====									
(NYPA	JV-5	JV-6	AMP SOLAR	EFFNCY.SMART	TRANSMISSION	SERVICE FEES	MISCELLANEOUS	TOTAL -
PURCHASED POWER-RESOURCES ->	HYDRO	HYDRO	WIND	PHASE 1	POWER PLANT	CHARGES	DISPATCH, A & B	CHARGES &	ALL
(SCHED. @ NYIS	7x24 @ ATSI	SCHED. @ ATSI	SCHED. @ ATSI	2014 - 2017	Other Charges	Other Charges	LEVELIZATION	RESOURCES
Delivered kWh (On Peak) ->	492,288	2,223,360	17,856	144,379		0	0	0	13,866,562
Delivered kWh (Off Peak) ->									378,212
Delivered kWh (Replacement/Losses/Offset) ->		32,354							32,354
Delivered kWh/Sale (Credits) ->									-729,356
Net Total Delivered kWh as Billed ->	492,288	2,255,714	17,856	144,379	0	0	0	0	13,547,772
Percent % of Total Power Purchased->	3.6337%	16.6501%	0.1318%	1.0657%	0.0000%	0.0000%	0.0000%	0.0000%	100.0000%
								Verification Total ->	100.0000%
COST OF PURCHASED POWER:									
DEMAND CHARGES (+Debits)									
Demand Charges	\$6,505.86	\$35,332.94	\$1,576.48			\$106,861.13			\$302,903.69
Debt Services (Principal & Interest)		\$55,381.81							\$356,908.46
DEMAND CHARGES (-Credits)									
Transmission Charges (Demand-Credits)		-\$10,889.95	-\$117.67						-\$41,199.52
Capacity Credit	-\$4,412.61	-\$14,514.20	-\$106.71						-\$135,526.12
Sub-Total Demand Charges	\$2,093.25	\$65,310.60	\$1,352.10	\$0.00	\$0.00	\$106,861.13	\$0.00	\$0.00	\$483,086.51
ENERGY CHARGES (+Debits):									
Energy Charges - (On Peak)	\$9,019.78	\$55,210.55		\$12,272.22		\$6,816.94			\$440,171.38
Energy Charges - (Replacement/Off Peak)									\$10,353.74
Net Congestion, Losses, FTR	\$2,997.20								\$21,005.10
Transmission Charges (Energy-Debits)									\$37,394.52
ESPP Charges					\$17,863.18				\$17,863.18
Bill Adjustments (General & Rate Levelization)								\$0.00	-\$9,920.89
ENERGY CHARGES (-Credits or Adjustments):									
Energy Charges - On Peak (Sale or Rate Stabilization)									-\$20,254.01
Net Congestion, Losses, FTR									\$0.00
Bill Adjustments (General & Rate Levelization)	-\$3,018.12								-\$56,198.52
Sub-Total Energy Charges	\$8,998.86	\$55,210.55	\$0.00	\$12,272.22	\$17,863.18	\$6,816.94	\$0.00	\$0.00	\$440,414.50
TRANSMISSION & SERVICE CHARGES, MISC.:									
RPM / PJM Charges Capacity - (+Debit)						\$144,234.85			\$144,234.85
RPM / PJM Charges Capacity - (-Credit)									\$0.00
Service Fees AMP-Dispatch Center - (+Debit/-Credit)							\$646.53		\$646.53
Service Fees AMP-Part A - (+Debit/-Credit)							\$2,969.55		\$2,969.55
Service Fees AMP-Part B - (+Debit/-Credit)							\$7,907.67		\$7,907.67
Other Charges & Bill Adjustments - (+Debit/-Credit)									\$0.00
Sub-Total Service Fees & Other Charges	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$144,234.85	\$11,523.75	\$0.00	\$155,758.60
TOTAL - ALL COSTS OF PURCHASED POWER	\$11,092.11	\$120,521.15	\$1,352.10	\$12,272.22	\$17,863.18	\$257,912.92	\$11,523.75	\$0.00	\$1,079,259.61
								Verification Total ->	\$1,079,259.61
Purchased Power Resources - Cost per kWh->	\$0.022532	\$0.053429	\$0.075722	\$0.085000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.079663
									(Northern Pool Power - On-Peak + Off-Peak - Energy Charge/kWH) = JV2 Electric Service Rate -> \$0.101015
									(Northern Pool Power - On-Peak + Off-Peak - Energy Charge/kWH) = JV5 Electric Service Rate -> \$0.101015



AMERICAN MUNICIPAL POWER, INC.

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

INVOICE NUMBER: 195051
INVOICE DATE: 10/13/2016
DUE DATE: 10/28/2016
TOTAL AMOUNT DUE: \$930,876.15
CUSTOMER NUMBER: 5020
CUSTOMER P.O. #: RG10046

City of Napoleon

Gregory J. Heath, Finance Director
255 W. Riverview Ave., P.O. Box 151
Napoleon, Ohio 43545-0151

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

Northern Power Pool Billing - September, 2016

MUNICIPAL PEAK: 30,996 kW
TOTAL METERED ENERGY: 13,633,910 kWh

Total Power Charges: \$661,439.48
Total Transmission Charges: \$257,912.92
Total Other Charges: \$11,523.75
Total Miscellaneous Charges: \$0.00

GRAND TOTAL POWER INVOICE: \$930,876.15

DETAIL INFORMATION OF POWER CHARGES September , 2016

Napoleon

FOR THE MONTH OF:	September, 2016	Total Metered Load kWh:	13,633,910
		Transmission Losses kWh:	-86,138
		Distribution Losses kWh:	0
		Total Energy Req. kWh:	13,547,772
TIME OF FENTS PEAK:	09/07/2016 @ H.E. 16:00	COINCIDENT PEAK kW:	30,522
TIME OF MUNICIPAL PEAK:	09/07/2016 @ H.E. 15:00	MUNICIPAL PEAK kW:	30,996
TRANSMISSION PEAK:	July, 2015	TRANSMISSION PEAK kW:	30,302
		PJM Capacity Requirement kW:	29,713

Napoleon Resources

AMP CT - Sched @ ATSI				
Demand Charge:	\$2.809320	/ kW *	12,400 kW =	\$34,835.57
Energy Charge:	\$0.090550	/ kWh *	93,503 kWh =	\$8,466.72
Transmission Credit:	\$2.391085	/ kW *	-12,400 kW =	-\$29,649.45
Capacity Credit:	\$5.033296	/ kW *	-12,400 kW =	-\$62,412.87
Subtotal	-\$0.521480	/ kWh *	93,503 kWh =	-\$48,760.03
Fremont - sched @ Fremont				
Demand Charge:	\$4.691658	/ kW *	8,767 kW =	\$41,131.77
Energy Charge:	\$0.028748	/ kWh *	2,497,274 kWh =	\$71,792.30
Net Congestion, Losses, FTR:	\$0.002306	/ kWh *		\$5,757.53
Capacity Credit:	\$3.761364	/ kW *	-8,767 kW =	-\$32,975.88
Debt Service	\$5.050719	/ kW	8,767 kW	\$44,279.65
Adjustment for prior month:				\$126.66
Subtotal	\$0.052102	/ kWh *	2,497,274 kWh =	\$130,112.03
AMP Hydro CSW - Sched @ PJMC				
Demand Charge:	\$5.186477	/ kW *	2,220 kW =	\$11,513.38
Energy Charge:	\$0.000294	/ kWh *	614,067 kWh =	\$180.57
Net Congestion, Losses, FTR:	\$0.002673	/ kWh *		\$1,641.49
Capacity Credit:	\$1.149794	/ kW *	-2,220 kW =	-\$2,552.41
Debt Service	\$62.066321	/ kW	2,220 kW	\$137,780.07
Board Approved Rate Levelization				-\$59,570.52
REC Credit (Estimate)				-\$1,228.13
Subtotal	\$0.142923	/ kWh *	614,067 kWh =	\$87,764.45
Meldahl Hydro - Sched @ Meldahl Bus				
Demand Charge:	\$8.198948	/ kW *	504 kW =	\$4,132.27
Energy Charge:	-\$0.000686	/ kWh *	106,064 kWh =	-\$72.73
Net Congestion, Losses, FTR:	\$0.001774	/ kWh *		\$188.21
Capacity Credit:	\$3.280992	/ kW *	-504 kW =	-\$1,653.62
Debt Service	\$30.592440	/ kW	504 kW	\$15,418.59
Board Approved Rate Levelization				-\$9,253.50
REC Credit (Estimate)				-\$212.13
Subtotal	\$0.080584	/ kWh *	106,064 kWh =	\$8,547.09
JV6 - Sched @ ATSI				
Demand Charge:			300 kW	
Energy Charge:			17,856 kWh	
Transmission Credit:	\$0.392233	/ kW *	-300 kW =	-\$117.67
Capacity Credit:	\$0.355700	/ kW *	-300 kW =	-\$106.71
Subtotal	-\$0.012566	/ kWh *	17,856 kWh =	-\$224.38
Greenup Hydro - Sched @ Greenup Bus				
Demand Charge:	\$4.018000	/ kW *	330 kW =	\$1,325.94
Energy Charge:	\$0.001118	/ kWh *	94,279 kWh =	\$105.37
Net Congestion, Losses, FTR:	\$0.001190	/ kWh *		\$112.18
Capacity Credit:	\$2.589303	/ kW *	-330 kW =	-\$854.47
Debt Service	\$13.810000	/ kW	330 kW	\$4,557.30
Board Approved Rate Levelization				\$389.66
REC Credit (Estimate)				-\$188.56
Subtotal	\$0.057780	/ kWh *	94,279 kWh =	\$5,447.42
Prairie State - Sched @ PJMC				
Demand Charge:	\$11.826988	/ kW *	4,976 kW =	\$58,851.09
Energy Charge:	\$0.011693	/ kWh *	3,601,275 kWh =	\$42,108.94
Net Congestion, Losses, FTR:	\$0.002486	/ kWh *		\$8,952.74
Capacity Credit:	\$2.925235	/ kW *	-4,976 kW =	-\$14,555.97
Debt Service	\$19.994180	/ kW	4,976 kW	\$99,491.04
Transmission from PSEC to PJM/MISO, including non-Prairie State variable charges/credits	\$0.010384	/ kWh	3,601,275 kWh	\$37,394.52
Board Approved Rate Levelization				\$6,790.81
Subtotal	\$0.066375	/ kWh *	3,601,275 kWh =	\$239,033.17
NYPA - Sched @ NYIS				
Demand Charge:	\$7.056247	/ kW *	922 kW =	\$6,505.86
Energy Charge:	\$0.018322	/ kWh *	492,288 kWh =	\$9,019.78
Net Congestion, Losses, FTR:	\$0.006088	/ kWh *		\$2,997.20
Capacity Credit:	\$4.664493	/ kW *	-946 kW =	-\$4,412.61
Adjustment for prior month:				-\$3,018.12
Subtotal	\$0.022532	/ kWh *	492,288 kWh =	\$11,092.11
JV5 - 7X24 @ ATSI				
Demand Charge:			3,088 kW	
Energy Charge:			2,223,360 kWh	
Transmission Credit:	\$3.526538	/ kW *	-3,088 kW =	-\$10,889.95
Capacity Credit:	\$4.700194	/ kW *	-3,088 kW =	-\$14,514.20
Subtotal	-\$0.011426	/ kWh *	2,223,360 kWh =	-\$25,404.15
JV5 Losses - Sched @ ATSI				
Energy Charge:			32,354 kWh	

DETAIL INFORMATION OF POWER CHARGES September , 2016

Napoleon

	Subtotal	#N/A	/ kWh *	32,354 kWh =	\$0.00
JV2 - Sched @ ATSI					
Demand Charge:				264 kW	
Energy Charge:	\$0.043880	/ kWh *		1,249 kWh =	\$54.81
Transmission Credit:	\$2.054735	/ kW *		-264 kW =	-\$542.45
Capacity Credit:	\$5.634015	/ kW *		-264 kW =	-\$1,487.38
	Subtotal	-\$1.581172	/ kWh *	1,249 kWh =	-\$1,975.02
AMP Solar Phase I - Sched @ ATSI					
Demand Charge:				1,040 kW	
Energy Charge:	\$0.085000	/ kWh *		144,379 kWh =	\$12,272.22
	Subtotal	\$0.085000	/ kWh *	144,379 kWh =	\$12,272.22
Morgan Stanley 2015-2020 - 7x24 @ AD					
Demand Charge:				3,800 kW	
Energy Charge:	\$0.062950	/ kWh *		2,736,000 kWh =	\$172,231.20
Net Congestion, Losses, FTR:	\$0.000496	/ kWh *			\$1,355.75
	Subtotal	\$0.063446	/ kWh *	2,736,000 kWh =	\$173,586.95
Efficiency Smart Power Plant 2014-2017					
ESPP 2014-2017 obligation @ \$1.400 /MWh x 153,113. MWh / 12					\$17,863.18
	Subtotal	#N/A	/ kWh *	0 kWh =	\$17,863.18
Northern Power Pool:					
On Peak Energy Charge: (M-F HE 08-23 EDT)	\$0.049788	/ kWh *		1,244,968 kWh =	\$61,984.71
Off Peak Energy Charge:	\$0.027375	/ kWh *		378,212 kWh =	\$10,353.74
Sale of Excess Non-Pool Resources to Pool	\$0.027770	/ kWh *		-729,355 kWh =	-\$20,254.01
	Subtotal	\$0.058271	/ kWh *	893,825 kWh =	\$52,084.44
Total Demand Charges:					\$283,096.89
Total Energy Charges:					\$378,342.59
Total Power Charges:				13,547,772 kWh	\$661,439.48
TRANSMISSION CHARGES:					
Demand Charge:	\$3.526537	/ kW *		30,302 kW =	\$106,861.13
Energy Charge:	\$0.000602	/ kWh *		11,324,412 kWh =	\$6,816.94
RPM (Capacity) Charges:	\$4.854300	/ kW *		29,713 kW =	\$144,234.85
TOTAL TRANSMISSION CHARGES:	\$0.022775	/ kWh *		11,324,412 kWh =	\$257,912.92
Dispatch Center Charges:	\$0.000047	/ kWh *		13,633,910 kWh =	\$646.53
Service Fee Part A,					
Based on Annual Municipal Sales	\$0.000229	/ kWh *		155,609,698 kWh 1/12 =	\$2,969.55
Service Fee Part B,					
Energy Purchases	\$0.000580	/ kWh *		13,633,910 kWh =	\$7,907.67
TOTAL OTHER CHARGES:					\$11,523.75
GRAND TOTAL POWER INVOICE:					\$930,876.15

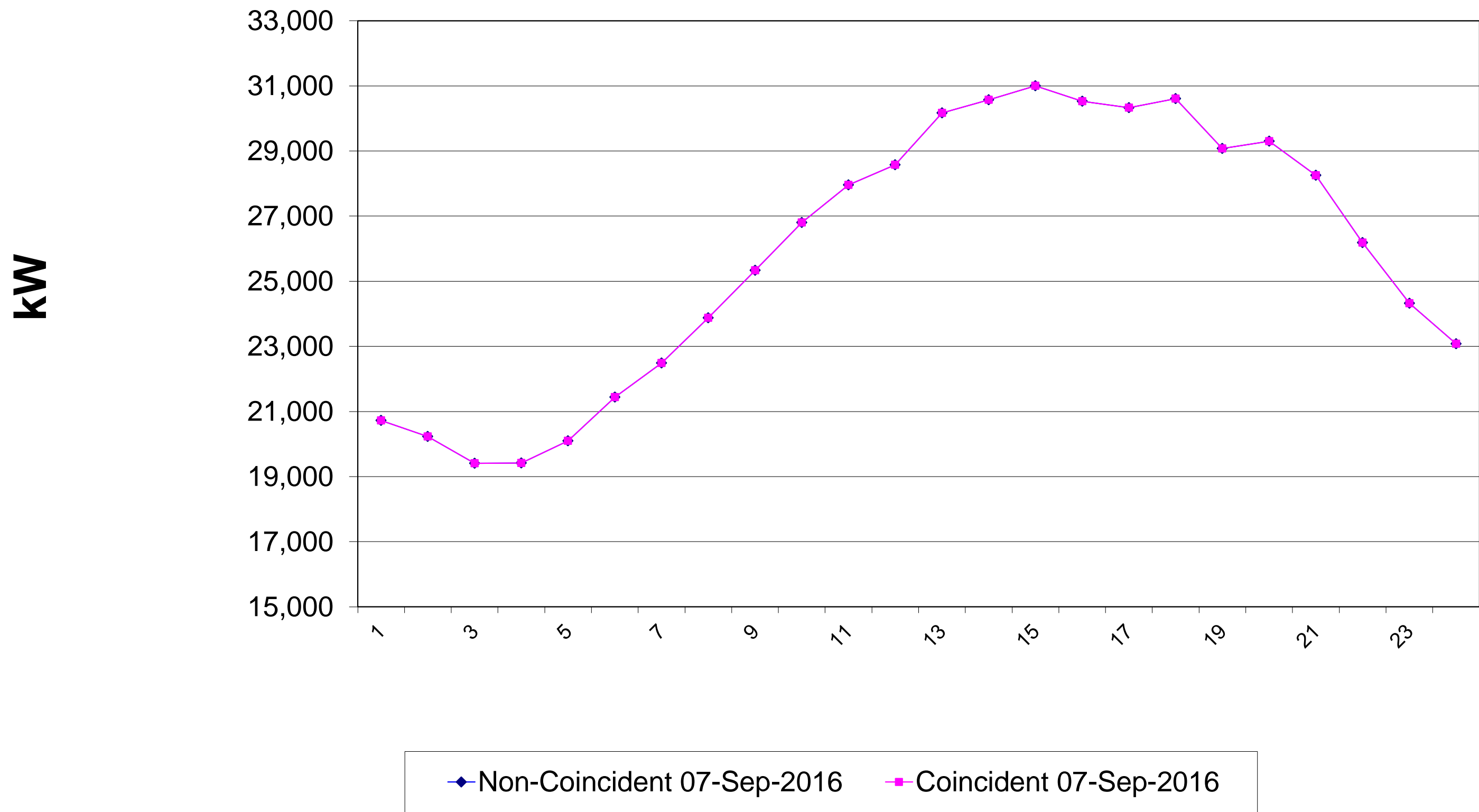
Napoleon Capacity Plan - Actual											
Sep 2016		ACTUAL DEMAND = 30.996 MW									
Days 30		ACTUAL ENERGY = 13,634 MWH									
SOURCE (1)		DEMAND MW (2)	ENERGY MWH (4)	LOAD FACTOR (5)	RATE \$/KW (6)	RATE \$/MWH (7)	DEMAND CHARGE (9)	ENERGY CHARGE (10)	TOTAL CHARGES (11)	EFFECTIVE RATE \$/MWH (12)	% OF DOLLARS (13)
1	NPP Pool Purchases	0.00	1,623	0%	\$0.00	\$44.57	\$0	\$72,338	\$72,338	\$44.57	6.7%
2	NPP Pool Sales	0.00	-729	0%	\$0.00	\$27.77	\$0	-\$20,254	-\$20,254	\$27.77	-1.9%
3	AFEC	8.77	2,497	40%	\$6.00	\$31.05	\$52,562	\$77,550	\$130,112	\$52.10	12.1%
4	Prairie State	4.98	3,601	101%	\$30.26	\$24.56	\$150,577	\$88,456	\$239,033	\$66.37	22.2%
5	NYPA - Ohio	0.92	492	74%	-\$1.00	\$24.41	-\$925	\$12,017	\$11,092	\$22.53	1.0%
6	JV5	3.09	2,223	100%	\$21.15	\$24.83	\$65,311	\$55,211	\$120,521	\$54.21	11.2%
7	JV5 Losses	0.00	32	0%	\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%
8	AMP-Hydro	2.22	614	38%	\$38.71	\$2.97	\$85,942	\$1,822	\$87,764	\$142.92	8.2%
9	Meldahl	0.50	106	29%	\$16.73	\$1.09	\$8,432	\$115	\$8,547	\$80.58	0.8%
10	Greenup	0.33	94	40%	\$15.85	\$2.31	\$5,230	\$218	\$5,447	\$57.78	0.5%
11	JV6	0.30	18	8%	\$4.51	\$0.00	\$1,352	\$0	\$1,352	\$75.72	0.1%
12	AMP Solar Phase I	1.04	144	19%	\$0.00	\$85.00	\$0	\$12,272	\$12,272	\$85.00	1.1%
13	Morgan Stanley 2015-2020 7x24	3.80	2,736	100%	\$0.00	\$63.45	\$0	\$173,587	\$173,587	\$63.45	16.1%
14	AMPCT	12.40	94	1%	-\$4.62	\$90.55	-\$57,227	\$8,467	-\$48,760	-\$521.48	-4.5%
15	JV2	0.26	1	1%	-\$4.35	\$43.88	-\$1,148	\$55	-\$1,093	-\$875.31	-0.1%
POWER TOTAL		38.61	13,548	49%			\$310,106	\$481,854	\$791,960	\$58.46	73.6%
16	Energy Efficiency		0		\$0.00	\$0.00	\$0	\$17,863	\$17,863	\$0.00	1.7%
17	Installed Capacity	29.71			\$4.85		\$144,235	\$0	\$144,235	\$10.58	13.4%
18	TRANSMISSION	30.30	11,324		\$3.53	\$0.60	\$106,861	\$6,817	\$113,678	\$8.34	10.6%
19	Distribution Charge	31.00			\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%
20	Service Fee B		13,634			\$0.58		\$7,908	\$7,908	\$0.58	0.7%
21	Dispatch Charge		13,634			\$0.05		\$647	\$647	\$0.05	0.1%
OTHER TOTAL							\$251,096	\$33,234	\$284,330	\$20.85	26.4%
GRAND TOTAL PURCHASED			13,548				\$561,202	\$515,088	\$1,076,290		
Delivered to members		30.996	13,634	61%			\$561,202	\$515,088	\$1,076,290	\$78.94	100.0%
		DEMAND	ENERGY	L.F.				TOTAL \$	\$/MWh	Avg Temp	
2016 Forecast		30.31	12,985	59%				\$1,138,474	\$87.68	64.1	
2015 Actual		30.81	14,322	65%				\$1,017,327	\$71.03	67.7	
2014 Actual		30.41	13,026	59%				\$904,157	\$69.41	62.4	
								Actual Temp		67.5	

NAPOLEON

Date	Thursday 9/1/2016	Friday 9/2/2016	Saturday 9/3/2016	Sunday 9/4/2016	Monday 9/5/2016	Tuesday 9/6/2016	Wednesday 9/7/2016	Thursday 9/8/2016	Friday 9/9/2016	Saturday 9/10/2016	Sunday 9/11/2016	Monday 9/12/2016	Tuesday 9/13/2016	Wednesday 9/14/2016	Thursday 9/15/2016
Hour															
100	17,152	16,108	13,702	12,753	12,466	16,490	20,721	21,831	18,485	17,171	13,794	14,702	15,711	16,994	15,880
200	16,614	15,836	13,333	12,359	12,054	15,936	20,231	21,179	18,208	16,813	13,426	14,591	15,592	16,639	15,677
300	16,181	15,557	13,159	12,116	11,714	15,668	19,407	20,828	17,677	16,676	13,171	14,434	15,187	16,240	15,348
400	16,286	15,693	13,148	12,133	11,657	15,711	19,421	21,006	17,696	16,466	13,001	14,619	15,388	16,661	15,554
500	17,044	16,143	13,223	12,234	11,826	16,750	20,096	21,528	18,381	16,889	13,101	15,402	16,026	17,395	16,070
600	18,159	17,492	13,421	12,460	12,013	18,602	21,441	23,216	19,480	17,360	13,487	16,797	17,220	18,813	17,425
700	18,859	18,163	13,378	12,130	11,759	20,309	22,489	24,252	20,675	17,802	13,431	17,919	18,312	20,017	18,523
800	20,181	19,202	14,221	12,861	12,518	21,798	23,878	24,711	21,564	18,955	14,054	18,517	19,097	20,698	19,100
900	20,917	19,819	15,168	13,697	13,779	23,246	25,330	24,911	22,399	19,739	14,743	19,144	19,906	20,725	19,493
1000	21,392	20,279	15,782	14,623	14,752	25,028	26,802	25,358	23,684	19,648	15,363	19,695	20,495	20,837	20,047
1100	21,588	20,476	16,458	15,242	15,903	26,531	27,960	25,497	24,266	20,325	15,603	20,308	20,945	20,702	20,379
1200	21,727	20,783	16,566	15,866	16,861	28,076	28,576	25,987	24,899	20,979	16,235	20,799	21,542	21,114	20,875
1300	22,088	21,156	16,860	16,371	18,170	28,875	30,172	25,815	25,351	20,594	16,165	20,768	21,932	21,011	21,180
1400	21,599	20,989	17,016	16,761	18,867	29,408	30,568	24,877	26,183	20,071	16,393	21,082	21,916	20,934	21,125
1500	21,623	20,815	17,307	17,343	20,389	29,591	30,996	25,372	26,557	19,248	16,819	21,140	22,409	20,724	21,166
1600	21,825	20,610	17,499	17,701	21,170	30,122	30,522	26,536	26,834	18,440	17,113	21,621	22,848	20,657	21,373
1700	20,945	20,070	17,457	17,973	21,851	29,824	30,326	25,238	26,068	18,281	17,690	21,549	22,535	20,071	20,640
1800	20,666	19,491	17,172	17,961	21,798	29,153	30,611	24,665	25,093	18,205	17,345	21,558	22,358	19,737	20,435
1900	19,902	18,724	16,572	17,245	21,547	28,296	29,079	24,208	24,127	17,386	17,347	20,891	21,872	19,363	19,841
2000	20,651	18,757	16,860	17,157	21,627	28,257	29,297	24,616	24,405	17,912	17,717	21,167	22,479	20,149	20,636
2100	20,338	18,330	16,588	16,700	20,837	26,777	28,255	23,637	23,333	17,360	17,060	20,017	21,404	19,703	19,796
2200	18,818	17,398	15,388	15,484	19,347	24,757	26,188	22,051	21,946	16,182	16,035	18,367	19,617	18,269	18,330
2300	17,635	15,731	14,065	13,986	18,026	23,050	24,326	20,747	20,094	15,079	15,642	17,182	18,566	17,117	17,199
2400	16,857	14,217	13,270	13,097	17,401	21,894	23,081	19,594	18,224	14,291	14,953	16,351	17,851	16,480	16,332
Total	469,047	441,839	367,613	356,253	380,931	574,149	619,773	567,453	535,629	431,872	369,688	448,620	471,208	461,050	452,424

Date	Friday 9/16/2016	Saturday 9/17/2016	Sunday 9/18/2016	Monday 9/19/2016	Tuesday 9/20/2016	Wednesday 9/21/2016	Thursday 9/22/2016	Friday 9/23/2016	Saturday 9/24/2016	Sunday 9/25/2016	Monday 9/26/2016	Tuesday 9/27/2016	Wednesday 9/28/2016	Thursday 9/29/2016	Friday 9/30/2016	Saturday 10/1/2016
Hour																
100	15,819	15,866	14,943	15,891	16,738	17,613	17,935	17,933	15,381	13,061	14,744	14,817	14,715	14,841	15,031	-
200	15,677	15,385	14,601	15,623	16,284	16,953	17,339	17,620	14,918	12,774	14,572	14,509	14,577	14,733	14,836	-
300	15,224	15,027	14,254	15,280	15,731	16,602	16,938	17,114	14,441	12,542	14,569	14,470	14,452	14,440	14,569	-
400	15,433	15,209	14,146	15,381	16,031	16,801	16,769	17,164	14,228	12,461	15,174	14,680	14,618	14,716	14,937	-
500	15,930	15,759	14,217	16,206	16,775	17,542	17,713	17,718	14,448	12,467	16,165	15,374	15,552	15,560	15,593	-
600	17,176	16,133	14,456	17,598	18,376	18,972	18,990	18,956	14,938	12,747	17,608	16,595	16,700	16,675	16,657	-
700	18,195	16,729	14,504	18,870	19,429	20,189	19,978	20,209	15,696	13,147	19,355	17,892	18,178	17,881	18,377	-
800	18,941	17,461	14,927	19,526	20,067	20,572	20,805	21,185	16,025	13,560	19,522	18,178	18,671	18,229	18,694	-
900	19,387	18,146	15,860	20,075	20,890	21,456	21,706	22,078	16,555	14,222	19,816	18,412	18,618	18,396	19,144	-
1000	20,086	18,808	16,754	20,766	21,643	22,260	22,495	22,962	17,038	14,676	19,914	18,937	18,751	18,490	19,372	-
1100	20,430	18,899	17,672	21,655	22,662	22,851	23,112	23,585	17,061	15,245	20,067	19,049	18,845	18,650	19,317	-
1200	21,150	18,897	18,458	22,292	23,292	23,641	24,131	24,359	17,371	15,670	19,890	19,226	18,888	19,284	19,127	-
1300	21,876	18,598	19,137	22,954	24,096	24,646	24,729	24,784	17,433	15,986	19,672	19,093	18,724	19,076	18,978	-
1400	21,984	18,112	19,555	23,471	24,717	25,399	25,162	24,592	17,544	16,469	19,565	18,870	18,586	18,445	18,777	-
1500	22,131	17,796	19,922	23,901	25,034	25,614	25,255	23,871	17,478	16,864	19,452	18,275	17,977	18,039	18,384	-
1600	22,614	17,855	20,061	24,285	25,202	26,193	25,543	24,046	17,633	17,697	19,214	18,231	18,440	18,072	17,512	-
1700	22,075	18,055	20,247	24,273	24,894	25,851	24,858	23,150	17,246	17,826	18,614	17,914	18,586	18,481	17,425	-
1800	21,473	18,133	20,024	23,763	24,366	25,569	24,312	22,635	17,006	17,725	18,536	17,976	18,514	18,486	17,545	-
1900	21,181	17,886	19,927	23,076	23,889	24,847	23,904	22,015	16,793	17,678	18,367	18,294	18,678	18,594	17,767	-
2000	21,723	18,421	20,266	22,977	24,127	24,888	24,350	22,100	17,169	18,019	18,752	18,804	18,592	18,751	17,745	-
2100	20,940	18,063	19,177	21,727	22,675	23,395	23,085	21,245	16,390	17,111	17,938	17,837	17,700	17,904	17,361	-
2200	19,848	17,258	17,873	19,965	20,676	21,426	21,340	20,284	15,582	16,053	16,888	16,582	16,581	16,683	16,205	-
2300	18,195	16,367	16,863	18,569	19,283	20,046	19,689	18,226	14,645	15,355	16,007	15,649	15,728	16,021	14,747	-
2400	16,744	15,716	16,349	17,635	18,343	18,931	18,732	16,327	13,671	15,143	15,529	15,273	15,215	15,474	13,730	-
Total	464,232	398,863	414,193	485,759	505,220	522,257	518,870	504,158	386,690	364,498	429,930 Maximum	414,937 30,996 Minimum	415,886	415,921 11,657 Grand Total	411,830	- 13,633,910

Napoleon Peak Day Load Curve





Omega Joint Venture Two

1111 Schrock Rd, Suite 100

COLUMBUS, OHIO 43229

PHONE: (614) 540-1111

FAX: (614) 540-1078

City of Napoleon

Gregory J. Heath, Finance Director
255 W. Riverview Ave., P.O. Box 151
Napoleon, Ohio 43545-0151

INVOICE NUMBER: 194869

INVOICE DATE: 10/7/2016

DUE DATE: 10/17/2016

TOTAL AMOUNT DUE: \$881.68

CUSTOMER NUMBER: 5020

CUSTOMER P.O. #:

PLEASE WRITE INVOICE NUMBER ON
REMITTANCE AND RETURN YELLOW INVOICE
COPY. MAKE CHECK PAYABLE TO OMEGA JV 2

OMEGA JV2 POWER INVOICE -

September, 2016

FIXED RATE CHARGE:	264 kW *	\$3.17 / kW =	\$837.26
ENERGY CHARGE:	0 kWh *	\$0.000000 / kWh =	\$0.00
SERVICE FEES:	0 kWh *	\$0.000000 / kWh =	\$0.00
Fuel Costs that were not recovered through Energy Sales to Market		=	\$44.42

TOTAL CHARGES

\$881.68



1111 Schrock Rd, Suite 100
 Columbus, Ohio 43229
 Phone: (614) 540-1111
 Fax: (614) 540-1078

City of Napoleon
 Gregory J. Heath, Finance Director
 255 W. Riverview Ave., P.O. Box 151
 Napoleon, Ohio 43545-0151

INVOICE NUMBER: 194949
INVOICE DATE: 10/3/2016
DUE DATE: 10/13/2016
TOTAL AMOUNT DUE: \$90,543.49
CUSTOMER NUMBER: 5020
CUSTOMER P.O. NUMBER: BL980397
MAKE CHECKS PAYABLE TO: OMEGA JV5

PLEASE WRITE INVOICE NUMBER ON REMITTANCE
 AND RETURN YELLOW INVOICE COPY.

FOR THE MONTH/YEAR OF: September, 2016

DEMAND CHARGES:

Base Financing Demand Charge: (Invoiced seperately as of 1/1/07)

Base Operating Expense Demand Charge:	\$11.442014	/ kW *	3,088 kW =	\$35,332.94
Seca Associated with JV5.	\$0.000000	/ kW *	3,088 kW =	\$0.00

TOTAL DEMAND CHARGES:	\$11.442014	/ kW *	3,088 kW =	\$35,332.94
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ENERGY CHARGES:

JV5 Repl. Pwr. & Variable (Budgeted Rate):	\$0.024832	/ kWh *	2,223,360 kWh =	\$55,210.55
JV5 Fuel Cost (Actual Expense):	\$0.000000	/ kWh *	2,223,360 kWh =	\$0.00

TOTAL ENERGY CHARGES:	\$0.024832	/ kWh *	2,223,360 kWh =	\$55,210.55
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SUB-TOTAL				\$90,543.49
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Total OMEGA JV5 Invoice: \$90,543.49



1111 Schrock Rd, Suite 100
Columbus, Ohio 43229
Phone: (614) 540-1111
Fax: (614) 540-1078

City of Napoleon
Gregory J. Heath, Finance Director
255 W. Riverview Ave., P.O. Box 151
Napoleon, Ohio 43545-0151

INVOICE NUMBER: 194991
INVOICE DATE: 10/3/2016
DUE DATE: 10/13/2016
TOTAL AMOUNT DUE: \$55,381.81
CUSTOMER NUMBER: 5020
CUSTOMER P.O. NUMBER: BL980397
MAKE CHECKS PAYABLE TO: OMEGA JV5

PLEASE WRITE INVOICE NUMBER ON REMITTANCE
AND RETURN YELLOW INVOICE COPY.

Debt Service - OMEGA JV5

FOR THE MONTH/YEAR OF: October, 2016

Financing CHARGES:
Debt Service \$17.934524 / kW * 3,088 kW = \$55,381.81

Total OMEGA JV5 Financing Invoice: \$55,381.81



AMERICAN MUNICIPAL POWER, INC.

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

INVOICE NUMBER: 195009
INVOICE DATE: 10/4/2016
DUE DATE: 10/18/2016
TOTAL AMOUNT DUE: \$1,576.48
CUSTOMER NUMBER: 5020
CUSTOMER P.O. #:

City of Napoleon

Gregory J. Heath, Finance Director
255 W. Riverview Ave., P.O. Box 151
Napoleon, OH 43545-0151

PLEASE WRITE INVOICE NUMBER ON
REMITTANCE AND RETURN YELLOW INVOICE
COPY. MAKE CHECK PAYABLE TO AMP, INC.

Omega JV6

Project Capacity: 300 kW

Year 2016

Electric Fixed

300 kW * 5.25 per kW-Month

Total

September, 2016 -

Electric Fixed

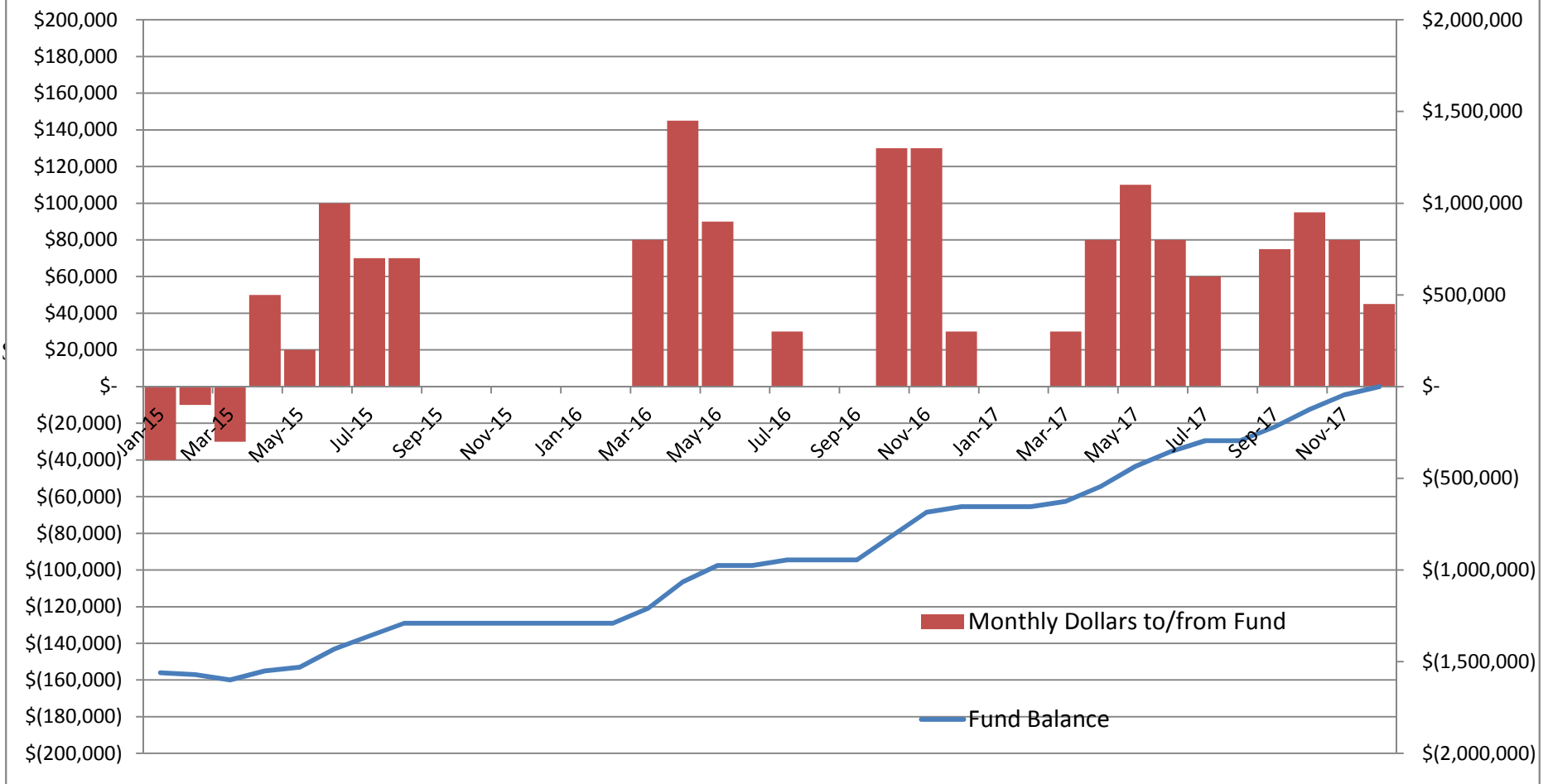
\$1,576.48

AMOUNT DUE FOR :

TOTAL CHARGES

\$1,576.48

Napoleon Rate Levelization Fund



CITY OF NAPOLEON RATE LEVELIZATION FUND
LOAN SCHEDULE

Estimated Annual Interest Rate: 0.00%

<u>Month (1)</u>	<u>Payment from AMP to Municipality (2)</u>	<u>Monthly Interest Credit</u>	<u>Accumulated Loan Balance</u>
Jan-14	\$ (190,000.00)	\$ -	\$ (190,000.00)
Feb-14	\$ (120,000.00)	\$ -	\$ (310,000.00)
Mar-14	\$ (120,000.00)	\$ -	\$ (430,000.00)
Apr-14	\$ (90,000.00)	\$ -	\$ (520,000.00)
May-14	\$ (120,000.00)	\$ -	\$ (640,000.00)
Jun-14	\$ (120,000.00)	\$ -	\$ (760,000.00)
Jul-14	\$ (180,000.00)	\$ -	\$ (940,000.00)
Aug-14	\$ (150,000.00)	\$ -	\$ (1,090,000.00)
Sep-14	\$ (100,000.00)	\$ -	\$ (1,190,000.00)
Oct-14	\$ (100,000.00)	\$ -	\$ (1,290,000.00)
Nov-14	\$ (100,000.00)	\$ -	\$ (1,390,000.00)
Dec-14	\$ (130,000.00)	\$ -	\$ (1,520,000.00)
Jan-15	\$ (40,000.00)	\$ -	\$ (1,560,000.00)
Feb-15	\$ (10,000.00)	\$ -	\$ (1,570,000.00)
Mar-15	\$ (30,000.00)	\$ -	\$ (1,600,000.00)
Apr-15	\$ 50,000.00	\$ -	\$ (1,550,000.00)
May-15	\$ 20,000.00	\$ -	\$ (1,530,000.00)
Jun-15	\$ 100,000.00	\$ -	\$ (1,430,000.00)
Jul-15	\$ 70,000.00	\$ -	\$ (1,360,000.00)
Aug-15	\$ 70,000.00	\$ -	\$ (1,290,000.00)
Sep-15	\$ -	\$ -	\$ (1,290,000.00)
Oct-15	\$ -	\$ -	\$ (1,290,000.00)
Nov-15	\$ -	\$ -	\$ (1,290,000.00)
Dec-15	\$ -	\$ -	\$ (1,290,000.00)
Jan-16	\$ 50,000.00	\$ -	\$ (1,240,000.00)
Feb-16	\$ 80,000.00	\$ -	\$ (1,160,000.00)
Mar-16	\$ 80,000.00	\$ -	\$ (1,080,000.00)
Apr-16	\$ 145,000.00	\$ -	\$ (935,000.00)
May-16	\$ 145,000.00	\$ -	\$ (790,000.00)
Jun-16	\$ 80,000.00	\$ -	\$ (710,000.00)
Jul-16	\$ 30,000.00	\$ -	\$ (680,000.00)
Aug-16	\$ 30,000.00	\$ -	\$ (650,000.00)
Sep-16	\$ 130,000.00	\$ -	\$ (520,000.00)
Oct-16	\$ 130,000.00	\$ -	\$ (390,000.00)
Nov-16	\$ 130,000.00	\$ -	\$ (260,000.00)
Dec-16	\$ 30,000.00	\$ -	\$ (230,000.00)
Jan-17		\$ -	\$ (230,000.00)
Feb-17		\$ -	\$ (230,000.00)
Mar-17		\$ -	\$ (230,000.00)
Apr-17	\$ 60,000.00	\$ -	\$ (170,000.00)
May-17	\$ 60,000.00	\$ -	\$ (110,000.00)
Jun-17	\$ 60,000.00	\$ -	\$ (50,000.00)
Jul-17		\$ -	\$ (50,000.00)
Aug-17		\$ -	\$ (50,000.00)
Sep-17	\$ 50,000.00	\$ -	\$ -
Oct-17		\$ -	\$ -
Nov-17		\$ -	\$ -
Dec-17		\$ -	\$ -

(1) Month means month of power delivery.
(2) Negative means payment from Municipality to AMP
September 2017 payment is estimated. Actual payment will include final loan true-up payment needed to fully repay Municipality.

BILLING SUMMARY AND CONSUMPTION for BILLING CYCLE - NOVEMBER, 2016

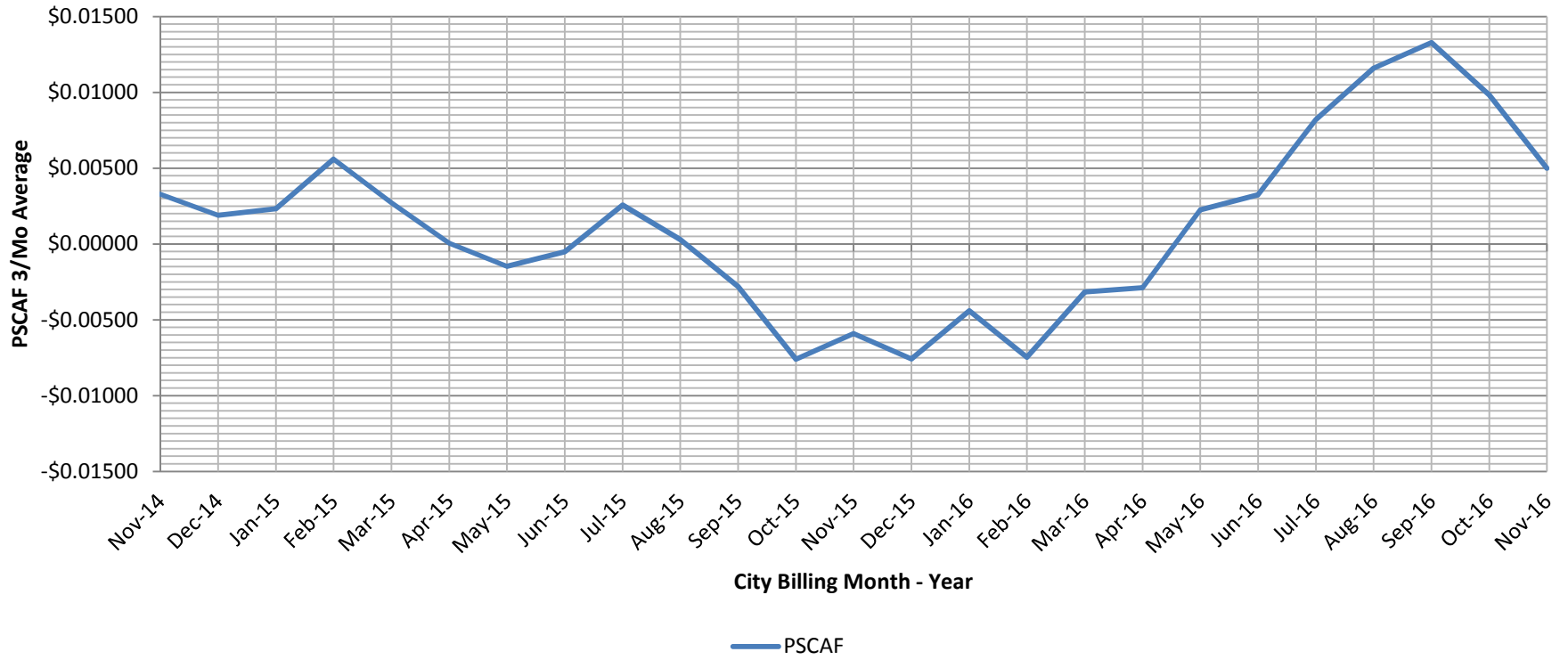
Table with columns for Class and/or Schedule, Rate Code, Billing Units (Oct-16, Nov-15, Dec-15), Billed kVA of Demand, Cost / kWh, and Total Consumption & Demand. Includes sub-totals for Residential (Domestic, Rural), Commercial (1 Ph, 3 Ph), Large Power, Industrial, Interdepartmental, and Street Lights.

BILLING SUMMARY AND CO.

Table with columns: Class and/or Schedule, Rate Code, Jan-16 (# of Bills, Jan-16 (kWh Usage), Jan-16 Billed, Cost / kWh For Month), Feb-16 (# of Bills, Feb-16 (kWh Usage), Feb-16 Billed, Cost / kWh For Month), Mar-16 (# of Bills, Mar-16 (kWh Usage), Mar-16 Billed, Cost / kWh For Month), Apr-16 (# of Bills, Apr-16 (kWh Usage), Apr-16 Billed, Cost / kWh For Month). Rows include Residential (Domestic, Rural), Commercial (1 Ph, 3 Ph), Large Power, Industrial, Interdepartmental, Street Lights, and SUB-TOTAL CONSUMPTION & DEMAND.

BILLING SUMMARY AND CO.											
NOVEMBER, 2016											
2016 - NOVEMBER BILLING WITH OCTOBER 2016											
Class and/or Schedule	Rate Code	Cost / kWh For Month	Oct-16	Oct-16	Oct-16	Cost / kWh For Month	TOTAL	TOTAL	Avg.Cost Per kWh For Period	Avg.Num. of Bills For Period	Avg.Per.% of Bills For Period
			# of Bills	(kWh Usage)	Billed		KWH USEAGE PRIOR 12 MO	BILLING PRIOR 12 MO			
Residential (Dom-In)	E1	\$0.1179	3,324	3,116.816	\$358,640.04	\$0.1151	27,388,935	\$3,018,847.76	\$0.1102	3,339	56.6720%
Residential (Dom-In) w/Ecosmart	E1E	\$0.1189	9	6,928	\$806.87	\$0.1165	59,348	\$6,710.84	\$0.1131	9	0.1570%
Residential (Dom-In - All Electric)	E2	\$0.1191	608	469,940	\$54,713.23	\$0.1164	5,906,191	\$633,695.91	\$0.1073	609	10.3299%
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	\$0.1180	1	844	\$97.71	\$0.1158	8,019	\$885.30	\$0.1104	1	0.0170%
Total Residential (Domestic)		\$0.1181	3,942	3,594,528	\$414,257.85	\$0.1152	33,362,493	\$3,660,139.81	\$0.1097	3,958	67.1759%
Residential (Rural-Out)	ER1	\$0.1245	759	884,230	\$107,817.96	\$0.1219	9,189,944	\$1,060,056.50	\$0.1153	757	12.8476%
Residential (Rural-Out) w/Ecosmart	ER1E	\$0.1286	4	3,185	\$401.26	\$0.1260	33,308	\$3,983.92	\$0.1196	4	0.0679%
Residential (Rural-Out - All Electric)	ER2	\$0.1243	382	467,015	\$56,756.10	\$0.1215	5,396,736	\$612,109.98	\$0.1134	384	6.5122%
Res. (Rural-Out - All Electric) w/Ecosmart	ER2E	\$0.1261	2	1,724	\$215.45	\$0.1250	24,280	\$2,773.91	\$0.1142	2	0.0339%
Residential (Rural-Out w/Dmd)	ER3	\$0.1244	16	19,281	\$2,341.81	\$0.1216	381,174	\$40,901.68	\$0.1073	16	0.2687%
Residential (Rural-Out - All Electric w/Dmd)	ER4	\$0.1263	9	9,576	\$1,175.26	\$0.1227	133,854	\$14,875.56	\$0.1111	9	0.1528%
Total Residential (Rural)		\$0.1245	1,172	1,384,991	\$168,707.84	\$0.1218	15,159,296	\$1,734,701.55	\$0.1144	1,171	19.8832%
Commercial (1 Ph-In - No Dmd)	EC2	\$0.1481	74	52,027	\$7,461.56	\$0.1434	577,472	\$78,836.14	\$0.1365	74	1.2617%
Commercial (1 Ph-Out - No Dmd)	EC2O	\$0.2062	45	8,002	\$1,552.94	\$0.1941	93,195	\$17,308.47	\$0.1857	44	0.7468%
Total Commercial (1 Ph) No Dmd		\$0.1557	119	60,029	\$9,014.50	\$0.1502	670,667	\$96,144.61	\$0.1434	118	2.0085%
Commercial (1 Ph-In - w/Demand)	EC1	\$0.1416	258	460,502	\$62,668.02	\$0.1361	4,055,244	\$537,693.46	\$0.1326	256	4.3495%
Commercial (1 Ph-Out - w/Demand)	EC1O	\$0.1422	25	38,742	\$5,266.86	\$0.1359	407,952	\$53,625.81	\$0.1315	24	0.4144%
Total Commercial (1 Ph) w/Demand		\$0.1417	283	499,244	\$67,934.88	\$0.1361	4,463,196	\$591,319.27	\$0.1325	281	4.7639%
Commercial (3 Ph-Out - No Dmd)	EC4O	\$1.0300	2	40	\$41.06	\$1.0265	18,200	\$2,477.99	\$0.1362	2	0.0339%
Total Commercial (3 Ph) No Dmd		\$1.0300	2	40	\$41.06	\$1.0265	18,200	\$2,477.99	\$0.1362	2	0.0339%
Commercial (3 Ph-In - w/Demand)	EC3	\$0.1284	202	1,914,635	\$238,552.14	\$0.1246	18,100,567	\$2,132,978.27	\$0.1178	204	3.4555%
Commercial (3 Ph-Out - w/Demand)	EC3O	\$0.1268	38	415,582	\$51,509.04	\$0.1239	4,512,361	\$527,333.08	\$0.1169	39	0.6620%
Commercial (3 Ph-In - w/Dmd.&Sub-St.C)	EC3S	\$0.0000	0	0	\$0.00	\$0.0000	203,880	\$20,524.88	\$0.1007	0	0.0028%
Commercial (3 Ph-Out - w/Dmd.&Sub-St)	E3SO	\$0.1222	3	142,840	\$16,789.77	\$0.1175	1,591,200	\$176,187.34	\$0.1107	3	0.0509%
Commercial (3 Ph-In - w/Demand, No Ta)	EC3T	\$0.1328	1	6,240	\$771.43	\$0.1236	34,800	\$4,223.63	\$0.1214	1	0.0170%
Total Commercial (3 Ph) w/Demand		\$0.1277	244	2,479,297	\$307,622.38	\$0.1241	24,442,808	\$2,861,247.20	\$0.1171	247	4.1882%
Large Power (In - w/Dmd & Rct)	EL1	\$0.1024	21	2,685,366	\$284,900.17	\$0.1061	31,043,093	\$2,908,919.93	\$0.0937	21	0.3564%
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	\$0.0968	3	1,006,242	\$96,026.30	\$0.0954	11,680,334	\$1,008,134.22	\$0.0863	3	0.0481%
Large Power (Out - w/Dmd & Rct, w/SbCr)	EL2O	\$0.1008	1	474,000	\$45,851.97	\$0.0967	4,308,000	\$403,251.16	\$0.0936	1	0.0170%
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	\$0.2342	2	75,674	\$13,439.88	\$0.1776	927,362	\$122,518.94	\$0.1321	2	0.0339%
Total Large Power		\$0.1031	27	4,241,282	\$440,218.32	\$0.1038	47,958,789	\$4,442,824.25	\$0.0926	27	0.4555%
Industrial (In - w/Dmd & Rct, w/SbCr)	E1I	\$0.0895	1	1,140,292	\$99,897.30	\$0.0876	13,059,707	\$1,051,592.60	\$0.0805	1	0.0170%
Industrial (In - w/Dmd & Rct, No/SbCr)	E1I2	\$0.0883	1	1,004,383	\$87,514.48	\$0.0871	12,377,313	\$980,337.03	\$0.0792	1	0.0170%
Total Industrial		\$0.0889	2	2,144,675	\$187,411.78	\$0.0874	25,437,020	\$2,031,929.63	\$0.0799	2	0.0339%
Interdepartmental (In - No Dmd)	ED1	\$0.1163	8	42,268	\$5,155.27	\$0.1220	609,859	\$66,326.08	\$0.1088	8	0.1315%
Interdepartmental (Out - No Dmd)	ED1O	\$0.0000	0	0	\$0.00	\$0.0000	0	\$0.00	\$0.0000	0	0.0000%
Interdepartmental (Out - w/Dmd)	ED2O	\$0.1561	2	785	\$123.43	\$0.1572	5,906	\$1,004.79	\$0.1701	2	0.0339%
Interdepartmental (In - w/Dmd)	ED2	\$0.1424	27	25,226	\$3,515.77	\$0.1394	476,885	\$59,187.49	\$0.1241	27	0.4654%
Interdepartmental (3Ph-In - w/Dmd)	ED3	\$0.1233	11	214,907	\$25,016.23	\$0.1164	2,542,749	\$274,339.33	\$0.1079	11	0.1867%
Interdepartmental (Street Lights)	EDSL	\$0.0930	7	62,879	\$5,851.14	\$0.0931	754,548	\$70,207.45	\$0.0930	7	0.1188%
Interdepartmental (Traffic Signals)	EDTS	\$0.0924	9	1,783	\$164.85	\$0.0925	21,443	\$1,982.62	\$0.0925	11	0.1881%
Generators (JV2 Power Cost Only)	GJV2	\$0.0110	1	16,181	\$1,059.37	\$0.0655	214,720	\$5,637.97	\$0.0263	1	0.0170%
Generators (JV5 Power Cost Only)	GJV5	\$0.0110	1	12,410	\$812.48	\$0.0655	154,058	\$3,982.48	\$0.0259	1	0.0170%
Total Interdepartmental		\$0.1101	66	376,439	\$41,698.54	\$0.1108	4,780,168	\$482,668.21	\$0.1010	68	1.1584%
SUB-TOTAL CONSUMPTION & DEMAND		\$0.1120	5,857	14,780,525	\$1,636,907.15	\$0.1107	156,292,637	\$15,903,452.52	\$0.1018	5,874	99.7015%
Street Lights (In)	SLO	\$0.0000	16	0	\$13.74	\$0.0000	1,463	\$341.37	\$0.2333	16	0.2645%
Street Lights (Out)	SLOO	\$0.0000	2	0	\$0.77	\$0.0000	0	\$9.23	\$0.0000	2	0.0339%
Total Street Light Only		\$0.0000	18	0	\$14.51	\$0.0000	1,463	\$350.60	\$0.2396	18	0.2985%
TOTAL CONSUMPTION & DEMAND		\$0.1120	5,875	14,780,525	\$1,636,921.66	\$0.1107	156,294,100	\$15,903,803.12	\$0.1018	5,892	100.0000%

Power Supply Cost Adjustment Factor - PSCAF



RATE REVIEW COMPARISONS - Current to Prior Month and Prior Year

2016 NOVEMBER - 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
	Usage	Units	November	October	November	Service	Service	November	October	November
Customer Type	Usage	Units	2016 Rate	2016 Rate	2015 Rate	Usage	Units	2016 Rate	2016 Rate	2015 Rate
<i>Customer Type -></i>	RESIDENTIAL USER - (w/Gas Heat)					RESIDENTIAL USER - (All Electric)				
Customer Charge			\$6.00	\$6.00	\$6.00			\$6.00	\$6.00	\$6.00
Distribution Energy Charge			\$20.93	\$20.93	\$20.93			\$33.39	\$33.39	\$33.39
Distribution Demand Charge										
Power Supply Energy Charge	978	kWh	\$71.20	\$71.20	\$71.20	1,976	kWh	\$143.85	\$143.85	\$143.85
Power Supply Demand Charge										
PSCAF - Monthly Factor	978	kWh	\$4.88	\$9.60	-\$5.78	1,976	kWh	\$9.86	\$19.40	-\$11.68
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			\$107.56	\$112.28	\$96.90			\$202.29	\$211.83	\$180.75
Water	6	CCF	\$42.27	\$41.37	\$39.57	11	CCF	\$68.02	\$66.37	\$63.07
Sewer (w/Stm.Sew. & Lat.)	6	CCF	\$70.89	\$64.63	\$54.58	11	CCF	\$98.89	\$90.08	\$76.78
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			\$140.66	\$133.50	\$121.65			\$194.41	\$183.95	\$167.35
Total Billing - All Services			\$248.22	\$245.78	\$218.55			\$396.70	\$395.78	\$348.10
<i>Verification Totals-></i>			<i>\$248.22</i>	<i>\$245.78</i>	<i>\$218.55</i>			<i>\$396.70</i>	<i>\$395.78</i>	<i>\$348.10</i>
				<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				\$2.44	\$29.67				\$0.92	\$48.60
% Inc/Dec(-) to Prior Periods				0.99%	13.58%				0.23%	13.96%
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Cost/kWH - Electric	978	kWh	\$0.10998	\$0.11481	\$0.09908	1,976	kWh	\$0.10237	\$0.10720	\$0.09147
% Inc/Dec(-) to Prior Periods				-4.21%	11.00%				-4.51%	11.92%
Cost/CCF - Water	6	CCF	\$7.04500	\$6.89500	\$6.59500	11	CCF	\$6.18364	\$6.03364	\$5.73364
Cost/GALLONS - Water	4,488	GAL	\$0.00942	\$0.00922	\$0.00882	8,229	GAL	\$0.00827	\$0.00807	\$0.00766
% Inc/Dec(-) to Prior Periods				2.18%	6.82%				2.49%	7.85%
Cost/CCF - Sewer	6	CCF	\$11.81500	\$10.77167	\$9.09667	11	CCF	\$8.99000	\$8.18909	\$6.98000
Cost/GALLON - Sewer	4,488	GAL	\$0.01580	\$0.01440	\$0.01216	8,229	GAL	\$0.01202	\$0.01095	\$0.00933
% Inc/Dec(-) to Prior Periods				9.69%	29.88%				9.78%	28.80%

(Listed Accounts Assume SAME USAGE for kWh and Water (CCF) for All Billing Periods)

RATE REVIEW COMPARISONS - Current to Prior Month and Prior Year

2016 NOVEMBER - ELECTRIC										
Rate Comparisons to Prior Month and Prior Year										
			<i>Current</i>	<i>Prior Month</i>	<i>Prior Year</i>			<i>Current</i>	<i>Prior Month</i>	<i>Prior Year</i>
	Service	Service	November	October	November	Service	Service	November	October	November
<u>Customer Type</u>	<u>Usage</u>	<u>Units</u>	<u>2016 Rate</u>	<u>2016 Rate</u>	<u>2015 Rate</u>	<u>Usage</u>	<u>Units</u>	<u>2016 Rate</u>	<u>2016 Rate</u>	<u>2015 Rate</u>
<i>Customer Type -></i>	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	\$35.13	\$69.13	-\$41.61			\$4,105.79	\$8,079.93	-\$4,862.77
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			\$837.51	\$871.51	\$760.77			\$72,340.52	\$76,314.66	\$63,371.96
Water	25	CCF	\$137.32	\$133.57	\$126.07	300	CCF	\$1,555.51	\$1,555.51	\$1,420.51
Sewer (w/Stm.Sew. & Lat.)	25	CCF	\$178.69	\$162.74	\$138.94	300	CCF	\$1,718.69	\$1,562.49	\$1,359.94
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			\$330.51	\$310.81	\$279.51			\$3,609.20	\$3,453.00	\$3,115.45
Total Billing - All Services			\$1,168.02	\$1,182.32	\$1,040.28			\$75,949.72	\$79,767.66	\$66,487.41
<i>Verification Totals-></i>			<i>\$1,168.02</i>	<i>\$1,182.32</i>	<i>\$1,040.28</i>			<i>\$75,949.72</i>	<i>\$79,767.66</i>	<i>\$66,487.41</i>
				<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				-\$14.30	\$127.74				-\$3,817.94	\$9,462.31
% Inc/Dec(-) to Prior Periods				-1.21%	12.28%				-4.79%	14.23%
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Cost/kWH - Electric	7,040	kWh	\$0.11896	\$0.12379	\$0.10806	866,108	kWh	\$0.08352	\$0.08811	\$0.07317
% Inc/Dec(-) to Prior Periods				-3.90%	10.09%				-5.21%	14.15%
Cost/CCF - Water	25	CCF	\$5.49280	\$5.34280	\$5.04280	300	CCF	\$5.18503	\$5.18503	\$4.73503
Cost/GALLONS - Water	18,701	GAL	\$0.00734	\$0.00714	\$0.00674	224,415	GAL	\$0.00693	\$0.00693	\$0.00633
% Inc/Dec(-) to Prior Periods				2.81%	8.92%				0.00%	9.50%
Cost/CCF - Sewer	25	CCF	\$7.14760	\$6.50960	\$5.55760	300	CCF	\$5.72897	\$5.20830	\$4.53313
Cost/GALLON - Sewer	18,701	GAL	\$0.00956	\$0.00870	\$0.00743	224,415	GAL	\$0.00766	\$0.00696	\$0.00606
% Inc/Dec(-) to Prior Periods				9.80%	28.61%				10.00%	26.38%

(Listed Accounts Assume SAME USA)

Electric Department Report October 2016

There were 5 outage/callouts during the month of October. 1 outage was due to an automobile accident at SR 109 & County Road P that snapped an electric pole and took down wires. 1 outage was due to an animal getting into electric wires. 1 callout was by City Hall to turn electric on at various locations. 1 outage was at T379 County Road 15 due to a bad underground primary. 1 outage was at 2453 Glen Arbors Dr. a connection jumper broke while a contractor was working on the line.

Line Department/Service Truck:

The line crews have been focusing on the Industrial Substation Rebuild. The line crew set a new transformer and pole for a temporary service for a new house on County Road N. They ran new underground wire for the City of Napoleon Service Building that went bad on October 12th. The line crew put in new underground electric service at 16917 County Road U. They replaced a pole and underground wire that went bad at T379 County Road 15. They also replaced two poles on County Road 15 north of County Road T.

The service truck continually answers calls from residents and contractors consisting of simple outages, locates and service upgrades.

Substation Department:

Todd Wachtman and Nikk Hogrefe have been focusing on upgrades to the Industrial Substation converting from underground service to overhead service.

Forestry Department:

Jamie Howe and Jerry Courtney have working to clear lines on Ohio St. and Clairmont Ave. before they cause outage problems.

Storeroom/Inventory/Metering Department:

Shawn Druhot has been reading meters along with purchasing and maintaining inventory control. Shawn has been busy mowing substations & the Service Building.

The **Peak Load** for October 2016 was 22.40 MV occurring on the 6th of October at 8:00 p.m. that was a decrease of 7.15 MV compared to September 2016. The Average load was 16.4 MV. This was a decrease of 1.68 MV compared to September 2016.

The **Gas turbines** and the **JV2** and **JV5** did not run in October.

The **Solar Field** produced 426.45 MWh in October, 2016 compared to 389.83 MWh in October 2015. This was an increase of 36.61 MWh. The Solar Field Peak for October 2016 was 3.64 MW compared to 3.55 MW in October 2015. This was an increase of .09 MW.

City of Napoleon, Ohio



SUMMARY OF OCTOBER 2016 OUTAGE/STANDBY CALL-OUTS

October 1, 2016:

Electric personnel were dispatched at 10:00 p.m. to SR 109 & County Road P due to a power outage. The outage lasted three hours and affected one customer. The outage was due to an accident that snapped an electric pole and took down wires. The personnel reset a thirty foot electric pole and ran new wire.

October 7, 2016:

Electric personnel were dispatched at 6:13 p.m. to N607 County Road 15C due to a power outage. The outage lasted one hour and affected one customer. The outage was due to an animal getting into the power lines and blowing a fuse. The personnel replaced the fuse.

October 11, 2016:

One employee was dispatched by the City Building at 3:30 p.m. to turn on electric at various locations.

October 16, 2016:

Electric personnel were dispatched at 2:14 a.m. to T379 County Road 15 due to a power outage. The outage lasted one hour and affected one customer. The outage was due to a bad underground primary. The personnel put the fuse back in and did a temporary fix.

October 28, 2016:

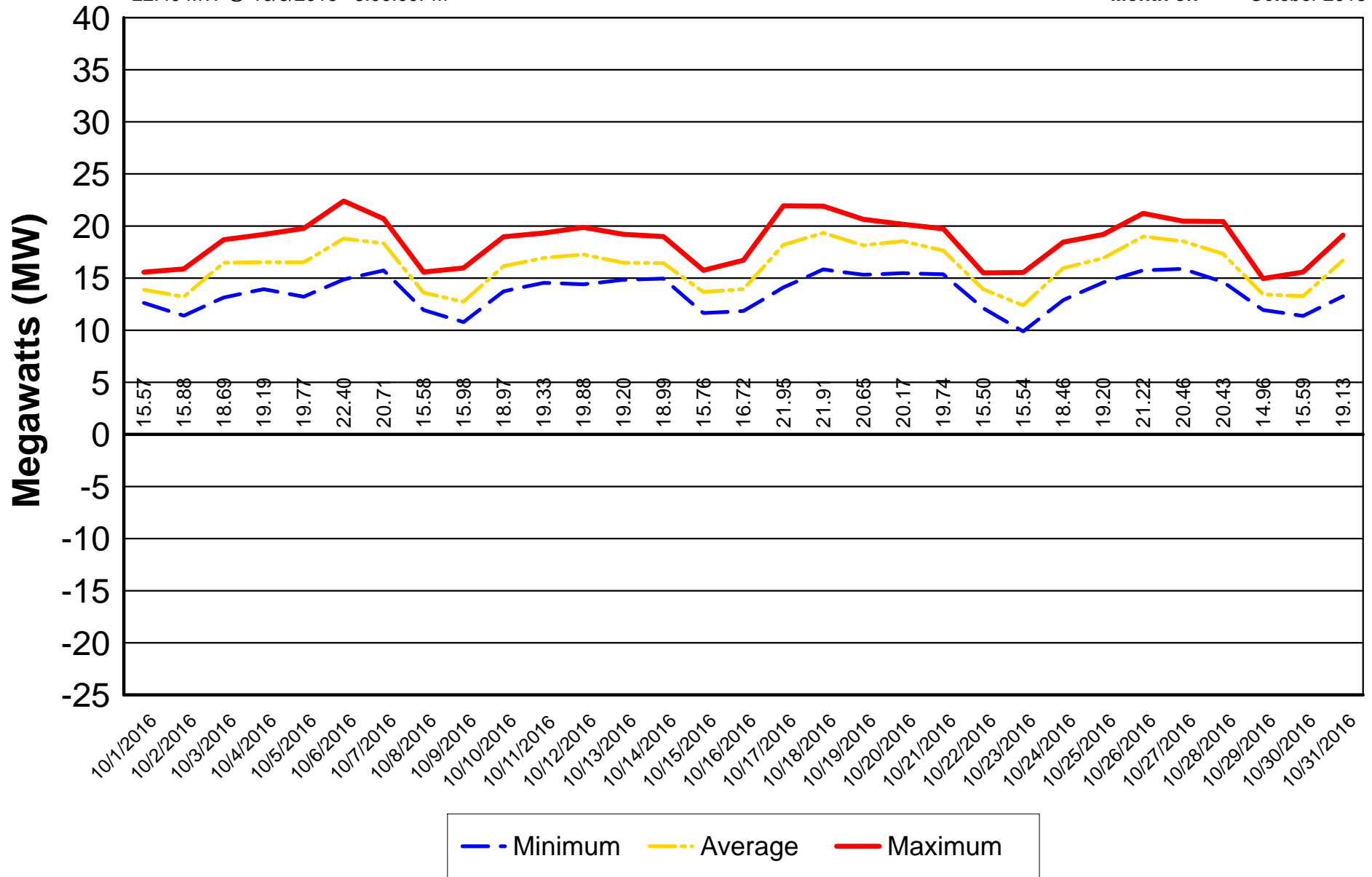
Electric personnel were dispatched at 4:30 p.m. to 2453 Glen Arbors Dr. due to a power outage. The outage lasted thirty minutes and affected seventy five customers. The outage was due to a contractor that cut an open phase. The contractor reconnected the phase.

Napoleon Power & Light

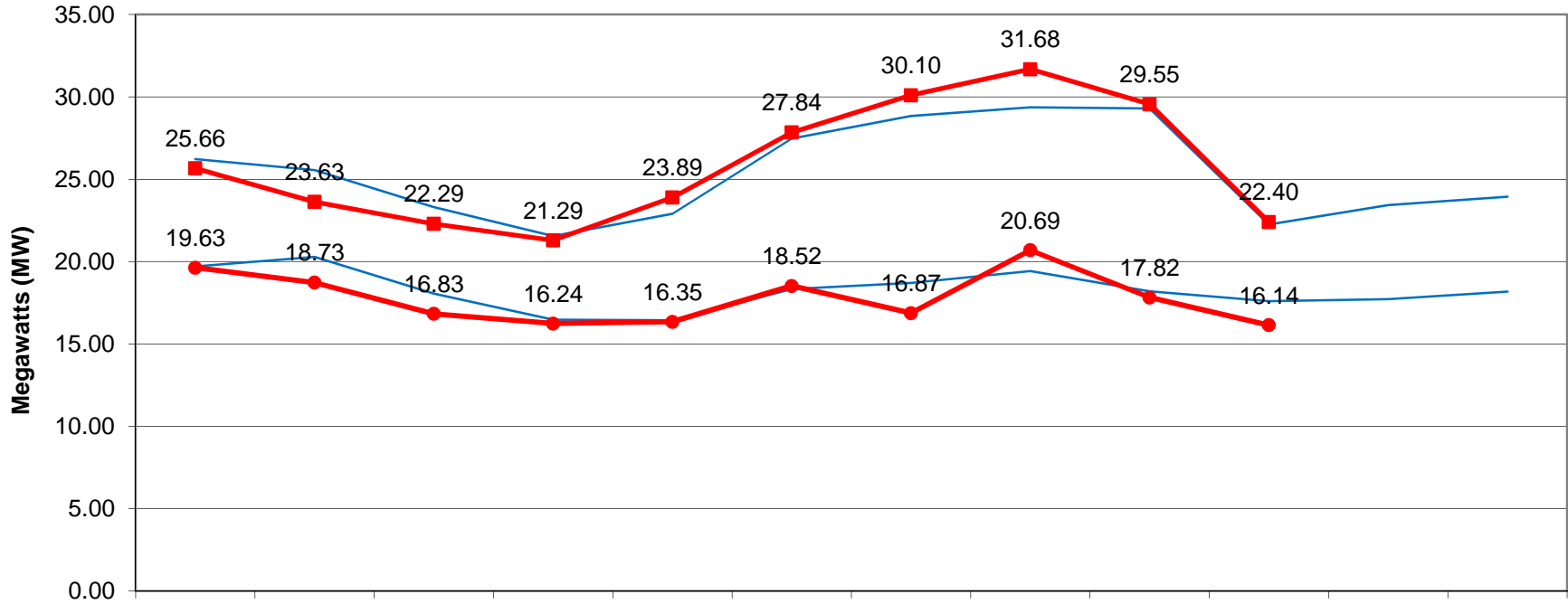
System Load

Peak Load:
22.40 MW @ 10/6/2016 8:00:00PM

Month of: October 2016



NAPOLEON POWER & LIGHT



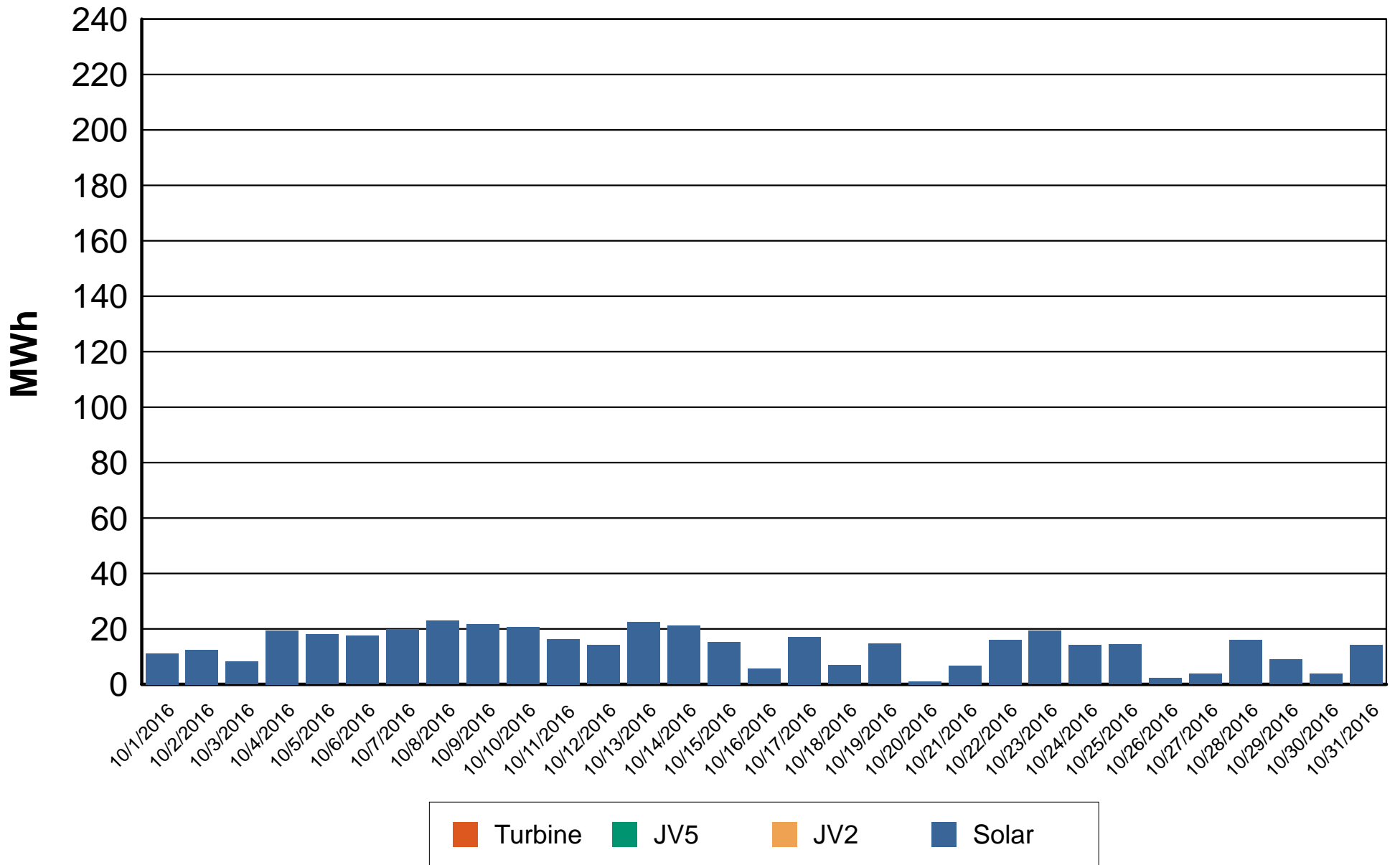
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1/1/2015	2/1/2015	3/1/2015	4/1/2015	5/1/2015	6/1/2015	7/1/2015	8/1/2015	9/1/2015	10/1/2015	11/1/2015	12/1/2015
— 2015 MAX	26.22	25.55	23.31	21.55	22.90	27.47	28.83	29.37	29.29	22.25	23.43	23.94
— 2015 AVG	19.70	20.28	18.05	16.48	16.43	18.33	18.71	19.43	18.19	17.59	17.72	18.17
— 2016 MAX	25.66	23.63	22.29	21.29	23.89	27.84	30.10	31.68	29.55	22.40		
— 2016 AVG	19.63	18.73	16.83	16.24	16.35	18.52	16.87	20.69	17.82	16.14		



Napoleon Power & Light

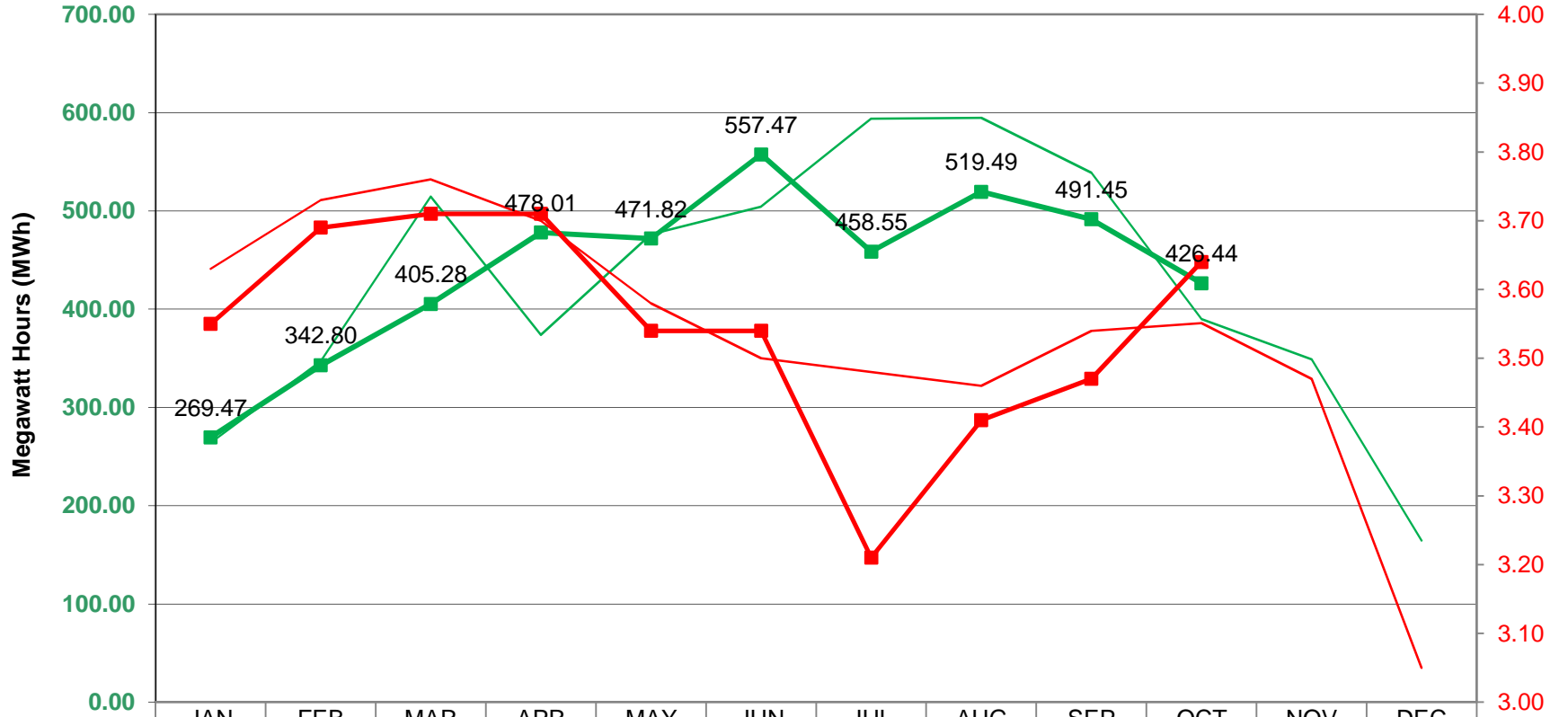
Daily Generation Output

October 2016



NAPOLEON POWER & LIGHT

Solar Field Output Trend

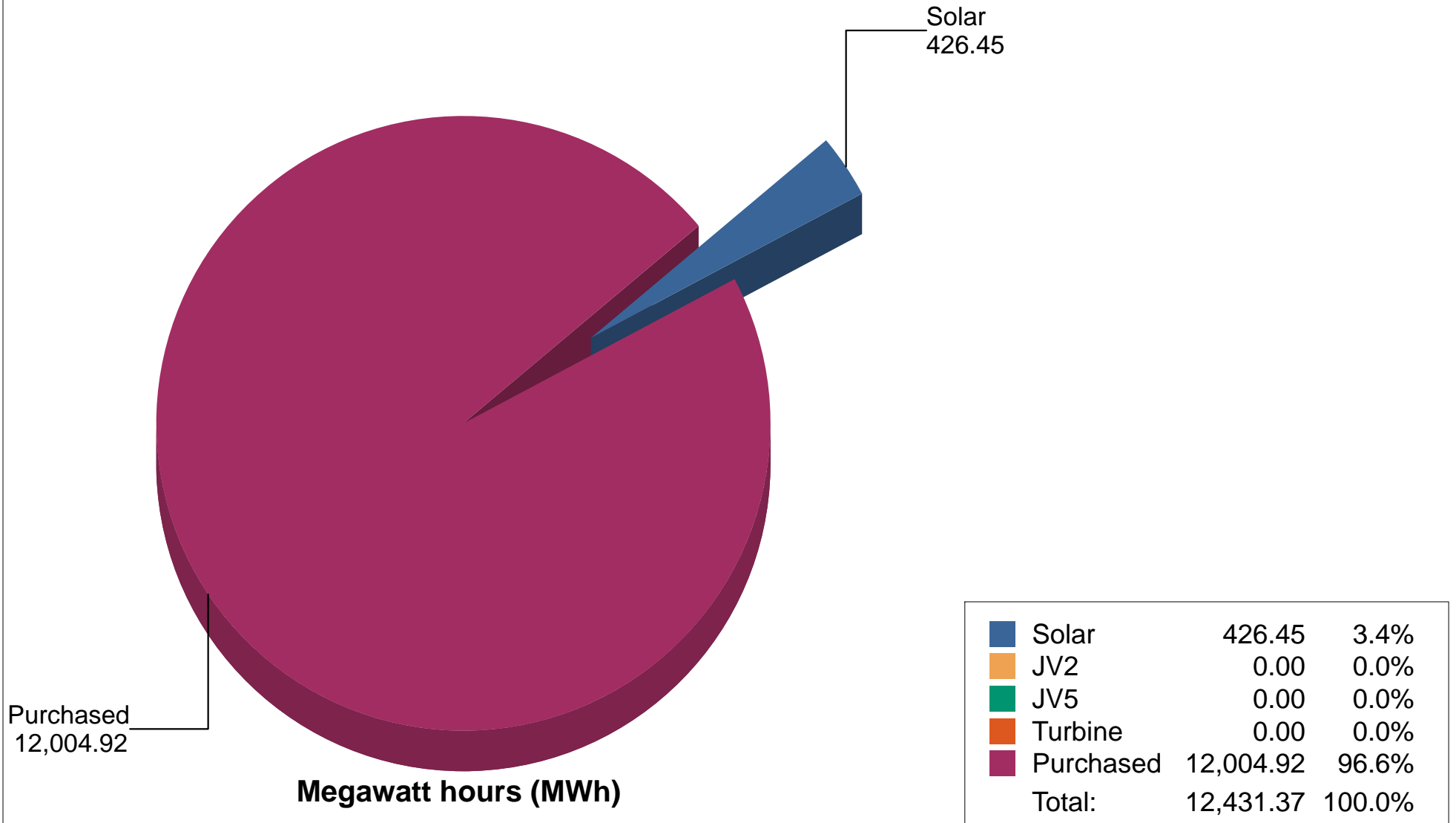


	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
— 2015 MWh	264.01	347.24	514.48	373.66	476.27	504.31	593.72	594.85	538.75	389.83	348.77	164.61
—■ 2016 MWh	269.47	342.80	405.28	478.01	471.82	557.47	458.55	519.49	491.45	426.44		
— 2015 PEAK	3.63	3.73	3.76	3.70	3.58	3.50	3.48	3.46	3.54	3.55	3.47	3.05
—■ 2016 PEAK	3.55	3.69	3.71	3.71	3.54	3.54	3.21	3.41	3.47	3.64		

Napoleon Power & Light

Power Portfolio

October 2016



City of Napoleon, Ohio
BOARD OF PUBLIC AFFAIRS (BOPA)
Meeting Agenda
Monday, November 14, 2016 at 6:30 pm

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

1. Approval of the Minutes from October 10, 2016 (*In the absence of any objections or corrections, the Minutes shall stand approved*)
2. Review/Approval of the Power Supply Cost Adjustment Factor for November, 2016:
PSCAF three (3) month averaged factor-\$0.00499 (Prior PSCAF October 2016 factor-\$0.00982)
JV2: \$0.101015
JV5: \$0.101015
3. Electric Department Report.
4. Review of Water Rates Related to Water Plant Upgrade Project.
5. Review of Sewer Revenue Fund Cost of Service and Rate Review
6. Any other matters to come before the Board.
7. Adjournment

Gregory J. Heath
Finance Director/Clerk of Council

BOARD OF PUBLIC AFFAIRS MEETING MINUTES

Monday, October 10, 2016 at 6:30 pm

PRESENT

Members
Electric Committee
City Staff

Mike DeWit-Chair, Dr. David Cordes, Nick Frysinger
Travis Sheaffer-Chair (arrived at 6:34 pm), Patrick McColley, Dan Baer
Jason Maassel, Mayor
Greg Heath, Finance Director/Clerk of Council
Monica Irelan, City Manager
Dennis Clapp, Electric Distribution Superintendent
Recorder
Roxanne Dietrich
Other
Newsmedia

ABSENT

Call to Order

Chairman DeWit called the meeting to order at 6:30 pm

**Approval of Minutes
from August 08, 2016**

Minutes of the September 12, 2016 meeting stand approved as read with no objections or corrections.

**Review/Approval of the
Power Supply Cost
Adjustment Factor for
October, 2016**

The Electric Power Supply Cost Adjustment Factor for October, 2016 was presented for review.

**Motion to Approve
Power Supply Cost
Adjustment Factor**

Motion: Frysinger Second: Cordes
To approve the Power Supply Cost Adjustment Factor for October, 2016 as follows:
PSCAF three (3) month averaged factor: \$0.00982
JV2: \$0.065472
JV5: \$0.065472

Discussion

None

**Passed
Yea-3
Nay-0**

Roll call vote on above motion:
Yea—Frysinger, DeWit, Dr. Cordes
Nay

Electric Department Reports

Dennie Clapp, Electric Distribution Superintendent gave the electric reports from September 2016, a copy of the detailed reports is attached.

Clapp reported back to the committee on their question if other communities charge a service fee when a service man is sent out and the problem is on the customer side of the meter. He received twenty-four (24) responses, fifteen (15) do not charge and nine (9) do charge, the prices ranged from \$25 to \$700. Those who do not charge responded we want to be a great electric service for our customers and if they have any concern on anything related to electric or electrical wires we want them to call us and we will handle if the problem is ours and tell them what to do if the problem is not ours. We do not want our customers getting into the lines and getting hurt. Clapp said he personally doesn't think we have enough call-ins that would create enough revenue to offset insurance. DeWit said he totally would concur the only time would be if you need some caveat for someone who calls you every day for normal things. Clapp said one of the respondents did have someone that called in all the time and they started to charge them. DeWit said don't know if we need to have a change in the ordinance. Clapp said I don't want people not calling in because they are afraid they will be charged. McColley said it is nice to know we aren't outside of the realm. Clapp said I think we are where we need to be.

Motion to Remove Review of the Net Metering Policy

Motion: Frysinger Second: Dr. Cordes
Motion to remove Net Metering Policy from the agenda.

Passed
Yea-3
Nay-0

Roll call vote on above motion:
Yea-Frysinger, DeWit, Dr. Cordes
Nay-

Review of Water Plant Upgrade Project and Estimated Cost

Rob Shoaf of AECOM, project manager on the Water Treatment Plant upgrade project gave a presentation.

Existing Plant

Shoaf said the plant has pumps that use lime softening and MIEX to soften the water. There are some issues with organics in the water and other potential things that are in the river, algal toxins have driven a lot of the EPA guidelines, algal toxins happened here last year.

Existing Plant Problems

A lot of the equipment is fifty (50) years or older, the lime slakers are older than the plant. Chlorine gas in cylinders is currently being used the conversion to sodium hypo-chloride was recently added for the

operators safety and is a much safer alternative.

DeWit asked that was in the original scope of work.

Shoaf said he was not sure.

DeWit said it was my understanding we were going to get rid of the chlorine system.

Shoaf said some of the things we added are:

Upgraded Raw Water Intake with variable frequency drives and some control valves that will give better flexibility to operate the plant especially for the way we are trying to treat water with membranes, which is better for the city and way have to serve Wauseon. The Miex process is being modified/upgraded to powder activated carbon feeds that are required. Added significant PAC improvements for algal toxin concerns. The gravity filters are being replaced, the valves are fifty (50) years or older, we are keeping most of the pipe but are replacing the valves that will be turned a lot, these are expensive to replace.

A membrane softening building will also remove hardness and nasties from the Maumee River. UV disinfection is required by the OhioEPA Findings and Orders, it is an extra layer of protection from cryptosporidium. Cordes said so it is a bigger problem here than we were recognizing before. Shoaf replied it could be, just because it is in the raw water does not mean it is in the finished water.

The high service pumps that pump water out to system are being replaced now with the UV Disinfection project at a cost of \$50,000 each.

We are putting in reverse osmosis to replace MIEX and lime, the MIEX equipment is costly and doesn't do that great of a job so we are repurposing that equipment for pretreatment and the RO membranes, that can remove nitrates and atrazine, will be in a separate building.

The ultraviolet disinfection project is slightly behind schedule it is currently being constructed and should be fully online by Christmas. Architectural concept is split face block that will complement the other building.

In April 2011 the estimate was \$13.6 million by another firm. We used the ENR cost index and with inflation that would be \$15.7 million today. The project is up to about \$17.1 million which includes engineering and the UV project that is about \$1.4 million. Actual construction I think is just under \$16 million. Other costs in the project are the Vocke Street storage tank that has not been started and other previous planning costs.

DeWit asked that are in the \$17.1

Shoaf replied not all of that is

DeWit said you do not have standard capital in yet from the old project and what is the Vocke elevated storage tank?

Irelan said that is the water tower.

Shoaf replied that is a cost we are also looking into.

DeWit asked to paint it?

Irelan said right, that it is not in the \$17.1 million.

DeWit replied we still have to do it but is not included in the \$17.1 million. We need the big water tower painted do we need the small water painted?

Irelan said not that.

Shoaf said the City has achieved an OhioEPA \$2.9 million grant with low interest rates. Eligible costs can be refinanced with this money at a loan rate of 0.9% for thirty (30) years.

DeWit said so the \$2.9 million is real money?

Shoaf said principal forgiveness we have to accept the \$2.9 million.

Sheaffer commented there were a lot of hoops to jump through to get the \$2.9 million, Council and the Mayor had to take eight (8) hours of online training just to qualify.

DeWit asked what has to be done to lock that in.

Irelan said we are in that process now, will lock it in when bid the project at whatever the cost of construction is.

DeWit replied you don't have to wait until it is done, my concern is the longer we wait more opportunity you have for something to go wrong the faster we can get rate locked in.

Irelan said we will lock it in in December the rate does change month-to-month so will depend on what the rate is for that month at what rate we will have.

Shoaf said in summary your water quality will be improving

DeWit asked what is it going to do to the taste, if you are looking to make people happy about a rate increase would be helpful if the water tastes better.

Shoaf said I cannot make that promise the best tasting water is the water you are used to.

Cordes asked if will have chlorine smell.

Shoaf said not using chlorine gas are using sodium hypochlorite, as far as taste I cannot promise the water will taste better or worse. The satellites will notice better quality as they will not have degradation.

DeWit asked if will reduce Liberty Center's problem you are not only killing the stuff, you are getting it out.

Shoaf said the plant will remove over 90%-95% of natural occurring organics so will have less in finished water.

DeWit said you cannot say how perfect it will be as you don't know how long that water will stay in the pipes.

Cordes asked the UV has been mandated by EPA.

Shoaf replied the treatment technique has been mandated, there are different ways UV is the easiest way.

Cordes asked this is a new system being put in was there a lot of

expense adding the UV.

Shoaf said the UV equipment cost about \$200,000 to me that is not a lot on a project.

Cordes asked if the UV equipment will last roughly thirty (30) years. Shoaf responded the UV equipment may last that long but the bulbs have a five (5) or eight (8) year lifespan but they can be replaced, you do scheduled maintenance same as you will have to do with the membranes that have a five (5) to seven (7) year life. This is something that will have to be budgeted a replacement fund every year. The power costs are higher on the membrane side.

DeWit asked you keep one set of operating spares.

Shoaf said you don't need to keep spares the bulbs don't go out at once like light bulbs do.

A more efficient heating and cooling system will be put in, right now you are using electric boilers to heat the building. Are putting in a partial demafication in putting where filters are to keep humidity above the filters and will be easier to keep the rest of the plant dry. UV project underway, date for required treatment was October 1st; however that was missed and you will be receiving a treatment plan approval violation letter since the required deadline of October 1 was missed, this is not a treatment technique violation this is just hand slap that we did not meet the date we said we would have something done and that is still being constructed.

DeWit asked a slap meaning just a letter we will not get fined.

Shoaf answered I do not believe you will get fined.

We are a few weeks away from getting EPA approval, there will be a public hearing at the end of this month on the NPDES permit, after thirty (30) day if there are comments we should be good to go, hope to bid in December.

DeWit asked what does the EPA approve, process flow diagram or look at engineering drawings.

Shoaf responded they look at way too much we have 150 drawings now do not look at electrical drawings except the generator, structural. We applied for the Permit to Install we will then have permission to install these plants. Hope to be able to advertise project before Christmas, project construction will not start until early spring. Startup of plant maybe in October of 2018 does not mean all is done just startup the second phase of construction up and running in full construction completion in April of 2019 or so.

Shoaf said we are leaving the MIEX operational until everything is built. The reverse osmosis membrane building will be the first one built and the filters will be taken down one at a time (there are four). While we are a little bit behind schedule could not have obtained funding and be any quicker than we are now.

**Review of Water Rates
Related to Water Plant
Upgrade Project**

DeWit said as long as we are not getting fined.

Shoaf said the only gigantic fine is the cost of this project, which is stranded capital.

John Courtney from Courtney and Associates updated the cost of service study as was asked since the city is facing major capital improvements at the water treatment plant and trying to get a handle on how this will affect the rates and to get a game plan where you need to get to. We projected revenue requirements and what is it going to take to operate in the future and determine an overall adjustment that will be needed to meet those projected revenue requirements.

What we have found residential water sales have continued to decline, people are actually using less water with higher efficiency appliances there has been a 10% drop since 2011.

Commercial sales anticipated a drop due to the loss of Buckeye Laundromat, you did pick up some sales when the county picked up McClure, there was a little bit of offset did see overall drop in sales. Growth rates assumed zero growth. At some point we think declining water sales will stop at least on the residential side.

Projected water sales for 2017, 2018 and 2019 is just shy of 500,000 ccf.

Project Revenues at current rates, the last increase just took affect earlier this year modeled current rates into our projections.

Residential rate is just shy of \$8/ccf; Commercial is over \$6/ccf;

Industrial is at \$4.77/ccf and Wholesale at \$4.97/ccf.

DeWit asked your projected sales included the satellites.

Courtney responded we did not assume any change, we used 2015 sales.

Irelan said by contract the minimum are thru 2020 this cost of service study is based on 2017, 2018 and 2019.

The projected overall revenue with current rates is just over \$3.1 million. Residential by dollar and sales is the largest class you serve.

What we projected in revenue requirements, other operating expenses, shared expenses and debt service for the WTP rehab starting in 2019 is \$643,219. Total revenue requirements for 2017 \$3,347,689 and almost \$4.2 million for 2019 primarily due to debt service that kicks in. The last step is to determine overall revenue adjustment that would be needed, these are not cumulative increases these are what the revenues would need to be increased above any current rate to meet revenue requirements in 2017 rates would need to be increased by 8% overall, in 2018 would need a 10% increase and the big one in 2019 is a 34% increase.

Irelan said in comparison to this year's current rates over the next three years total would be 34% from today's rates.

Cordes asked not each year individually compared to this year.

Courtney said the conclusion is your revenues are not sufficient to meet revenue requirements but more importantly primarily due to inflation of the projected debt service cost you would need to raise current revenues by 34% in order to get to where need to be in 2019. Frysinger said so we have three (3) years to get to that point with rate increases not as dramatic as you think since have three (3) years to get there.

Courtney said if you raise revenues 10% a year over the next three (3) years would get you just under 34%.

Cordes asked 34% of the water costs.

Courtney answered 34% of current revenue, just water. DeWit asked what does that do with the numbers out to the satellites will those be upside down.

Irelan said the original analysis was \$16.5 million at 3% over 30 years. DeWit asked didn't we project 3.8 or some rate, we aren't going to be in trouble with the rate, won't end up with firm numbers that we gave them.

Irelan said when they chose not to sign the contract by October 15 of last year none of those are now relevant.

DeWit asked do we know 100% know that they don't think those are still active.

Ireland said it is not relevant anymore because they did not sign the contract.

DeWit said had offer to sale

Ireland said October 2015 is when that portion disappeared.

Comadoll said the only people we are really working with yet is Florida.

Irelan said I don't understand the question we are working with all the satellite customers.

Comadoll asked don't we have something special going with Florida?

Irelan said all of those have been expired.

DeWit asked when are we going to have to make a decision on what to do with stranded capital if they leave.

Irelan responded that is currently under negotiations.

Heath said that is included in the cost of service study. The current contract with the satellites they are paying 25% over our current inside residential rates, as our rates move theirs will too.

DeWit said they also get reduced because of volume.

Irelan said because of declining volume.

Courtney said their average revenue isn't much different than your industrial clients.

For the cost of service, we take the revenue requirements and allocate them to each class to compare revenues and current rates to get cost of service results. The highest cost is base cost that is up 61% from the last study and extra capacity costs are about 29% and your customer service related costs are about 10%. Base cost for 2019 the first year debt service kicks in, will be \$5.10 per ccf; extra capacity cost at \$419.00 per 100 ccf/day, customer costs-meter and services costs are about \$8.20 per month and billing collections costs are about \$1.04 per bill. Cost of service is broke down by class, what you would need adjust current rates to meet the cost of service for each class residential class should go up by about 32%, commercial by about 25%, industrial by 31% and wholesale by 48%.

Conclusion and Recommendation

The wholesale class is being subsidized by other classes, your base cost of service is greater than the tale block rate, recommend future rate adjustments should move toward the cost of service results. Tale block rate is the lowest rate for inside customers it is \$3.75, the base cost is \$5.10.

Cordes asked if the new water treatment plant is it to be less expensive to operate since not using lime sodium, will it be more cost effective to run? Irelan replied it will be a little less cost on operation side maybe \$100,000/year, the plant will not be in full service until 2019.

Looking at the current rates - Inside Usage charge \$5.20 for first 1,000 ccf next 24,000 ccf at \$4.95 and everything over 25,000 is at \$3.75 ccf. Rates are per 100 ccf. Customer charges are based on meter size for 1" or less it is \$11.07, there are various meter sizes stopped at 3" last time, there is a higher capacity charge for larger sized meter.

Outside rates are roughly 50% higher than inside rates the wholesale customers pay inside rates + 25% additional charge.

Conclusion tale block rate substantially lower than the base cost of service and we would suggest that your future rate adjustments be reflected in commodity charge to move closer to that base cost of service reflecting 10% for three (3) years and we would recommend before you get to the third year you will need to take another look at this, at least from revenue requirement standpoint. To raise revenues overall 34% by 2019 should focus increase on commodity charge and review rates annually.

Heath asked in going back to inside rates is the tale block rate direct or indirect suggestion to raise that rate within that schedule?

Courtney said we would suggest raise all of the commodity rates.

Heath said raise to 10% – 15%?

Courtney responded we have not got that far, looking for feedback on your general feeling on raising revenues.

DeWit said basically we are selling a portion of our water at a loss. Courtney said not a loss but below your cost of service, keep in mind you do get a capacity cost as well on top of that charge, if you have a 6" meter you are paying \$1,000 /month on top of his water usage. To get where you need to be I would suggest you raise all commodity rates proportionally. If you raise capacity charges you will know that is revenue you receive and understand that if the customer uses less they will still get capacity charges, but capacity charges have been above that cost of service for some time and to get things back in balance and be able to come up rates that move you toward the revenue distribution need to focus more on increase on the commodity side. DeWit asked if there is an increase in the commodity side how will that affect the satellites.

Courtney said that will depend on how you implement it will start to move them more in line with cost of service results do increase all on capacity side will not move you towards costs of service for that class there is not much revenue from them if don't increase commodity charge.

DeWit said like at different cost inside vs outside even though higher rate declining balance drops back down.

Heath said you have to take into consideration all proposed rate increases are in commodity and we probably will see a decrease in usage and could impact your inside industrial heavily.

DeWit said we have to do something your cost of service is going up. Irelan asked the committee and board are you comfortable doing a 10% increase over the next few years or do you want to move more towards problem areas to get closer to base cost it is the same problem we had a few years ago our inside rates are subsidizing the wholesale customers.

DeWit said you have to rectify your base costs so they are more equitable and don't have that big of a difference in your cost and where you are at.

Irelan stated that impacts the third tier we are also impacting our larger industrial customers and the middle tier would be our commercial.

DeWit asked can we look at it that way and see what happens.

Sheaffer said we can look at one and have two (2) examples one that fixes the problems and then the other maybe have meeting between.

DeWit from satellite standpoint not going to sell water at a loss are you?

Irelan said we are not selling at a loss might be more capacity than commodity right now to bring back to levelized cost in 2019. Will probably have to pretty much leave capacity alone and make adjustment on commodity side. Adding water meter sizes helped

levelize that out a little bit we aren't there yet.
DeWit said want to make sure we don't set rates where we lose money
it is one thing to lose money to inside corporation, that is supplying us
with jobs, income tax and all other things.
Cordes said can you share costs that would benefit everyone equally.

**Motion to Adjourn
BOPA Meeting**

Motion: Frysinger Second: Dr. Cordes
To adjourn the Board of Public Affairs Meeting at 8:22 pm

Passed
Yea-3
Nay-0

Roll call on above motion:
Yea - Frysinger, DeWit, Dr. Cordes
Nay-

Date Approved

November 14, 2016

Mike DeWit, Chair

DRAFT

City of Napoleon, Ohio

WATER, SEWER, REFUSE, RECYCLING & LITTER COMMITTEE

Meeting Agenda

Monday, November 14, 2016 at 7:00 pm

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

- 1) Approval of the October 10, 2016 Minutes (*In the absence of any objections or corrections, the Minutes shall stand approved*)
- 2) Review of Water Rates Related to Water Plant Upgrade Project
- 3) Review of Sewer Revenue Fund Cost of Service and Rate Review
- 4) Any other matters currently assigned to the Committee
- 5) Adjournment



Gregory J. Heath, Finance Director/Clerk of Council

CITY OF NAPOLEON, OHIO
WATER/SEWER COMMITTEE
MEETING MINUTES
Monday, October 10, 2016 at 7:00 pm

PRESENT

Members

Board of Public Affairs

City Staff

Jeff Comadoll, Chair; Travis Sheaffer; Rita Small

Greg Heath, Finance Director/Clerk of Council

Monica Irelan, City Manager

Trevor Hayberger, Interim City Law Director

Chad Lulfs, Director of Public Works

Scott Hoover, WTP Superintendent

Mayor Jason Maassel

Councilman Patrick McColley

Recorder

Roxanne Dietrich

Others

Newsmedia

John Courtney and Scott Wieging - Courtney and Associates

Jerry Rohrs-Village of Malinta

Marv Arps-Henry County Regional Water Sewer District

ABSENT

Call to Order

Chairman Comadoll called the meeting to order at 7:00 pm.

**Approval of Minutes
from August 08, 2016**

Minutes of the August 8, 2016 meeting stand approved as read with no objections or corrections.

**Review of Water Plant
Upgrade Project and
Estimated Cost**

Rob Shoaf of AECOM, project manager on the Water Treatment Plant upgrade project gave a presentation.

Existing Plant

Shoaf said the plant has pumps that use lime softening and MIEX to soften the water. There are some issues with organics in the water and other potential things that are in the river, algal toxins have driven a lot of the EPA guidelines, algal toxins happened here last year.

Existing Plant Problems

A lot of the equipment is fifty (50) years or older, the lime slakers are older than the plant. Chlorine gas in cylinders is currently being used the conversion to sodium hypo-chloride was recently added for the operators safety and is a much safer alternative.

DeWit asked that was in the original scope of work.

Shoaf said he was not sure.

DeWit said it was my understanding we were going to get rid of the chlorine system.

Shoaf said some of the things we added are:

Upgraded Raw Water Intake with variable frequency drives and some control valves that will give better flexibility to operate the plant especially for the way we are trying to treat water with membranes, which is better for the city and way have to serve Wauseon. The Miex process is being modified/upgraded to powder activated carbon feeds that are required. Added significant PAC improvements for algal toxin concerns. The gravity filters are being replaced, the valves are fifty (50) years or older, we are keeping most of the pipe but are replacing the valves that will be turned a lot, these are expensive to replace.

A membrane softening building will also remove hardness and nasties from the Maumee River. UV disinfection is required by the OhioEPA Findings and Orders, it is an extra layer of protection from cryptosporidium. Cordes said so it is a bigger problem here than we were recognizing before. Shoaf replied it could be, just because it is in the raw water does not mean it is in the finished water.

The high service pumps that pump water out to system are being replaced now with the UV Disinfection project at a cost of \$50,000 each.

We are putting in reverse osmosis to replace MIEX and lime, the MIEX equipment is costly and doesn't do that great of a job so we are repurposing that equipment for pretreatment and the RO membranes, that can remove nitrates and atrazine, will be in a separate building. The ultraviolet disinfection project is slightly behind schedule it is currently being constructed and should be fully online by Christmas. Architectural concept is split face block that will complement the other building.

In April 2011 the estimate was \$13.6 million by another firm. We used the ENR cost index and with inflation that would be \$15.7 million today. The project is up to about \$17.1 million which includes engineering and the UV project that is about \$1.4 million. Actual construction I think is just under \$16 million. Other costs in the project are the Vocke Street storage tank that has not been started and other previous planning costs.

DeWit asked that are in the \$17.1

Shoaf replied not all of that is

DeWit said you do not have standard capital in yet from the old project and what is the Vocke elevated storage tank?

Irelan said that is the water tower.

Shoaf replied that is a cost we are also looking into.

DeWit asked to paint it?

Irelan said right, that it is not in the \$17.1 million.

DeWit replied we still have to do it but is not included in the \$17.1 million. We need the big water tower painted do we need the small water painted?

Irelan said not that.

Shoaf said the City has achieved an OhioEPA \$2.9 million grant with low interest rates. Eligible costs can be refinanced with this money at a loan rate of 0.9% for thirty (30) years.

DeWit said so the \$2.9 million is real money?

Shoaf said principal forgiveness we have to accept the \$2.9 million.

Sheaffer commented there were a lot of hoops to jump through to get the \$2.9 million, Council and the Mayor had to take eight (8) hours of online training just to qualify.

DeWit asked what has to be done to lock that in.

Irelan said we are in that process now, will lock it in when bid the project at whatever the cost of construction is.

DeWit replied you don't have to wait until it is done, my concern is the longer we wait more opportunity you have for something to go wrong the faster we can get rate locked in.

Irelan said we will lock it in in December the rate does change month-to-month so will depend on what the rate is for that month at what rate we will have.

Shoaf said in summary your water quality will be improving

DeWit asked what is it going to do to the taste, if you are looking to make people happy about a rate increase would be helpful if the water tastes better.

Shoaf said I cannot make that promise the best tasting water is the water you are used to.

Cordes asked if will have chlorine smell.

Shoaf said not using chlorine gas are using sodium hypochlorite, as far as taste I cannot promise the water will taste better or worse. The satellites will notice better quality as they will not have degradation.

DeWit asked if will reduce Liberty Center's problem you are not only killing the stuff, you are getting it out.

Shoaf said the plant will remove over 90%-95% of natural occurring organics so will have less in finished water.

DeWit said you cannot say how perfect it will be as you don't know how long that water will stay in the pipes.

Cordes asked the UV has been mandated by EPA.

Shoaf replied the treatment technique has been mandated, there are different ways UV is the easiest way.

Cordes asked this is a new system being put in was there a lot of expense adding the UV.

Shoaf said the UV equipment cost about \$200,000 to me that is not a lot on a project.

Cordes asked if the UV equipment will last roughly thirty (30) years.

Shoaf responded the UV equipment may last that long but the bulbs have a five (5) or eight (8) year lifespan but they can be replaced, you

do scheduled maintenance same as you will have to do with the membranes that have a five (5) to seven (7) year life. This is something that will have to be budgeted a replacement fund every year. The power costs are higher on the membrane side.

DeWit asked you keep one set of operating spares.

Shoaf said you don't need to keep spares the bulbs don't go out at once like light bulbs do.

A more efficient heating and cooling system will be put in, right now you are using electric boilers to heat the building. Are putting in a partial demafication in putting where filters are to keep humidity above the filters and will be easier to keep the rest of the plant dry. UV project underway, date for required treatment was October 1st; however that was missed and you will be receiving a treatment plan approval violation letter since the required deadline of October 1 was missed, this is not a treatment technique violation this is just hand slap that we did not meet the date we said we would have something done and that is still being constructed.

DeWit asked a slap meaning just a letter we will not get fined.

Shoaf answered I do not believe you will get fined.

We are a few weeks away from getting EPA approval, there will be a public hearing at the end of this month on the NPDES permit, after thirty (30) day if there are comments we should be good to go, hope to bid in December.

DeWit asked what does the EPA approve, process flow diagram or look at engineering drawings.

Shoaf responded they look at way too much we have 150 drawings now do not look at electrical drawings except the generator, structural. We applied for the Permit to Install we will then have permission to install these plants. Hope to be able to advertise project before Christmas, project construction will not start until early spring. Startup of plant maybe in October of 2018 does not mean all is done just startup the second phase of construction up and running in full construction completion in April of 2019 or so.

Shoaf said we are leaving the MIEX operational until everything is built. The reverse osmosis membrane building will be the first one built and the filters will be taken down one at a time (there are four). While we are a little bit behind schedule could not have obtained funding and be any quicker than we are now.

DeWit said as long as we are not getting fined.

Shoaf said the only gigantic fine is the cost of this project, which is stranded capital.

Review of Water Rates Related to Water Plant Upgrade Project

John Courtney from Courtney and Associates updated the cost of service study as was asked since the city is facing major capital improvements at the water treatment plant and trying to get a handle on how this will affect the rates and to get a game plan where you need to get to. We projected revenue requirements and what is it going to take to operate in the future and determine an overall adjustment that will be needed to meet those projected revenue requirements. What we have found is residential water sales have continued to decline, people are actually using less water with higher efficiency appliances there has been a 10% drop since 2011. Commercial sales anticipated a drop due to the loss of Buckeye Laundromat, you did pick up some sales when the county picked up McClure, there was a little bit of offset did see overall drop in sales. Growth rates assumed zero growth. At some point we think declining water sales will stop at least on the residential side. Projected water sales for 2017, 2018 and 2019 is just shy of 500,000 ccf. Project Revenues at current rates, the last increase just took affect earlier this year modeled current rates into our projections. Residential rate is just shy of \$8/ccf; Commercial is over \$6/ccf; Industrial is at \$4.77/ccf and Wholesale at \$4.97/ccf. DeWit asked your projected sales included the satellites. Courtney responded we did not assume any change, we used 2015 sales. Irelan said by contract the minimum are thru 2020 this cost of service study is based on 2017, 2018 and 2019. The projected overall revenue with current rates is just over \$3.1 million. Residential by dollar and sales is the largest class you serve. What we projected in revenue requirements, other operating expenses, shared expenses and debt service for the WTP rehab starting in 2019 is \$643,219. Total revenue requirements for 2017 \$3,347,689 and almost \$4.2 million for 2019 primarily due to debt service that kicks in. The last step is to determine overall revenue adjustment that would be needed, these are not cumulative increases these are what the revenues would need to be increased above any current rate to meet revenue requirements in 2017 rates would need to be increased by 8% overall, in 2018 would need a 10% increase and the big one in 2019 is a 34% increase. Irelan said in comparison to this year's current rates over the next three years total would be 34% from today's rates. Cordes asked not each year individually compared to this year. Courtney said the conclusion is your revenues are not sufficient to meet revenue requirements but more importantly primarily due to inflation of the projected debt service cost you would need to raise

current revenues by 34% in order to get to where need to be in 2019. Frysinger said so we have three (3) years to get to that point with rate increases not as dramatic as you think since have three (3) years to get there.

Courtney said if you raise revenues 10% a year over the next three (3) years would get you just under 34%.

Cordes asked 34% of the water costs.

Courtney answered 34% of current revenue, just water. DeWit asked what does that do with the numbers out to the satellites will those be upside down.

Irelan said the original analysis was \$16.5 million at 3% over 30 years. DeWit asked didn't we project 3.8 or some rate, we aren't going to be in trouble with the rate, won't end up with firm numbers that we gave them.

Irelan said when they chose not to sign the contract by October 15 of last year none of those are now relevant.

DeWit asked do we know 100% that they don't think those are still active.

Ireland said it is not relevant anymore because they did not sign the contract.

DeWit said had offer to sale

Ireland said October 2015 is when that portion disappeared.

Comadoll said the only people we are really working with yet is Florida.

Irelan said I don't understand the question we are working with all the satellite customers.

Comadoll asked don't we have something special going with Florida?

Irelan said all of those have been expired.

DeWit asked when are we going to have to make a decision on what to do with stranded capital if they leave.

Irelan responded that is currently under negotiations.

Heath said that is included in the cost of service study. The current contract with the satellites they are paying 25% over our current inside residential rates, as our rates move theirs will too.

DeWit said they also get reduced because of volume.

Irelan said because of declining volume.

Courtney said their average revenue isn't much different than your industrial clients.

For the cost of service, we take the revenue requirements and allocate them to each class to compare revenues and current rates to get cost of service results. The highest cost is base cost that is up 61% from the last study and extra capacity costs are about 29% and your customer service related costs are about 10%. Base cost for 2019 the first year debt service kicks in, will be \$5.10 per ccf; extra capacity cost at \$419.00 per 100 ccf/day, customer costs-meter and services costs are

about \$8.20 per month and billing collections costs are about \$1.04 per bill. Cost of service is broke down by class, what you would need adjust current rates to meet the cost of service for each class residential class should go up by about 32%, commercial by about 25%, industrial by 31% and wholesale by 48%.

Conclusion and Recommendation

The wholesale class is being subsidized by other classes, your base cost of service is greater than the tale block rate, recommend future rate adjustments should move toward the cost of service results. Tale block rate is the lowest rate for inside customers it is \$3.75, the base cost is \$5.10.

Cordes asked if the new water treatment plant is it to be less expensive to operate since not using lime sodium, will it be more cost effective to run? Irelan replied it will be a little less cost on operation side maybe \$100,000/year, the plant will not be in full service until 2019.

Looking at the current rates - Inside Usage charge \$5.20 for first 1,000 ccf next 24,000 ccf at \$4.95 and everything over 25,000 is at \$3.75 ccf. Rates are per 100 ccf. Customer charges are based on meter size for 1" or less it is \$11.07, there are various meter sizes stopped at 3" last time, there is a higher capacity charge for larger sized meter.

Outside rates are roughly 50% higher than inside rates the wholesale customers pay inside rates + 25% additional charge.

Conclusion tale block rate substantially lower than the base cost of service and we would suggest that your future rate adjustments be reflected in commodity charge to move closer to that base cost of service reflecting 10% for three (3) years and we would recommend before you get to the third year you will need to take another look at this, at least from revenue requirement standpoint. To raise revenues overall 34% by 2019 should focus increase on commodity charge and review rates annually.

Heath asked in going back to inside rates is the tale block rate direct or indirect suggestion to raise that rate within that schedule?

Courtney said we would suggest raise all of the commodity rates.

Heath said raise to 10% – 15%?

Courtney responded we have not got that far, looking for feedback on your general feeling on raising revenues.

DeWit said basically we are selling a portion of our water at a loss.

Courtney said not a loss but below your cost of service, keep in mind you do get a capacity cost as well on top of that charge, if you have a 6" meter you are paying \$1,000 /month on top of his water usage. To get where you need to be I would suggest you raise all commodity rates proportionally. If you raise capacity charges you will know that is revenue you receive and understand that if the customer uses less they

will still get capacity charges, but capacity charges have been above that cost of service for some time and to get things back in balance and be able to come up rates that move you toward the revenue distribution need to focus more on increase on the commodity side. DeWit asked if there is an increase in the commodity side how will that affect the satellites.

Courtney said that will depend on how you implement it will start to move them more in line with cost of service results do increase all on capacity side will not move you towards costs of service for that class there is not much revenue from them if don't increase commodity charge.

DeWit said like at different cost inside vs outside even though higher rate declining balance drops back down.

Heath said you have to take into consideration all proposed rate increases are in commodity and we probably will see a decrease in usage and could impact your inside industrial heavily.

DeWit said we have to do something your cost of service is going up. Irelan asked the committee and board are you comfortable doing a 10% increase over the next few years or do you want to move more towards problem areas to get closer to base cost it is the same problem we had a few years ago our inside rates are subsidizing the wholesale customers.

DeWit said you have to rectify your base costs so they are more equitable and don't have that big of a difference in your cost and where you are at.

Irelan stated that impacts the third tier we are also impacting our larger industrial customers and the middle tier would be our commercial.

DeWit asked can we look at it that way and see what happens.

Sheaffer said we can look at one and have two (2) examples one that fixes the problems and then the other maybe have meeting between.

DeWit from satellite standpoint not going to sell water at a loss are you?

Irelan said we are not selling at a loss might be more capacity than commodity right now to bring back to levelized cost in 2019. Will probably have to pretty much leave capacity alone and make adjustment on commodity side. Adding water meter sizes helped levelize that out a little bit we aren't there yet.

DeWit said want to make sure we don't set rates where we lose money it is one thing to lose money to inside corporation, that is supplying us with jobs, income tax and all other things.

Cordes said can you share costs that would benefit everyone equally.

**Motion to Adjourn
Water/Sewer Committee
Meeting**

Motion: Small Second: Sheaffer
To adjourn the Water/Sewer Committee Meeting at 8:22 pm

Passed
Yea-3
Nay-0

Roll call vote on above motion:
Yea–Sheaffer, Small Comadoll
Nay-

Date Approved

November 14, 2016

Jeff Comadoll, Chair

DRAFT

City of Napoleon, Ohio

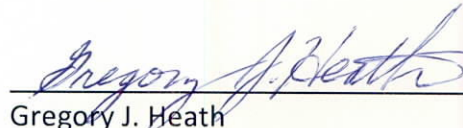
PERSONNEL COMMITTEE

Meeting Agenda

Monday, November 14, 2016 at 7:15 pm

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

1. Approval of the Minutes from October 24, 2016 (*In the absence of any objections or corrections, the Minutes shall stand approved*)
2. Discussion on Hiring a City Manager.
3. Adjournment.



Gregory J. Heath

Finance Director/Clerk of Council



City of Napoleon, Ohio

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MEMORANDUM

TO: Municipal Properties/ED Committee, City Council, Mayor, City Manager, City Law Director, City Finance Director, Department Supervisors, Newsmedia

FROM: Gregory J. Heath, Finance Director/Clerk of Council *GJH*

DATE: November 11, 2016

RE: Municipal Properties/ED Committee Meeting Cancellation

The Municipal Properties & Economic Development Committee meeting regularly scheduled for Monday, November 14, 2016 at 7:30 pm has been CANCELED due to lack of agenda items.



APPA L&R RALLY

The APPA L&R Rally will take place Feb. 27-March 1 at the Mayflower Hotel in Washington, D.C.

The APPA room block opened for reservations on Nov. 1. Event information is available on the [APPA website](#).

Information regarding the AMP/OMEA group rally events will be distributed after the first of the year.



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How elections impact legislative process

The Ohio General Assembly's voting schedule for 2016 illustrates how a general election campaign significantly impacts the legislative process. House and Senate members have been on an extended break since Memorial Day, but will return following the November elections.

After the Nov. 8 election through the end of December, the legislature will be in lame duck session (a reference to current lawmakers who will not return next session). During that time, the Senate plans to meet eight times and the House plans to meet just six times. Both have a handful of "if needed" sessions scheduled as a contingency.

OMEA staff and counsel will be on high alert, as lame duck can be a dangerous time because lawmakers are under deadline to finish work prior to the end of the legislative session. Among other issues, legislators are expected to address the expiring freeze on the state's renewable portfolio standard applicable to investor-owned utilities. The renewable standards are currently frozen at 2014 levels, but set to resume increasing benchmarks in 2017.

Of direct concern to OMEA is possible action by telecommunications companies seeking legislation to limit municipal authority over wireless attachments to poles and streetlights. Their draft legislation, unveiled earlier this month, also brings disputes between municipals and telecommunication companies to the PUCO in direct violation of Home Rule authority. We have committed to working with the telecommunication companies outside of the legislative process in an effort to try to reach an agreement similar to the cable pole attachment issue. Any such agreement will be subject to review and approval by the OMEA Board of Directors.

Broader energy issues regarding possible re-regulation of the electric industry, which investor-owned utilities are advocating in varying forms, will be considered in early 2017. Next year will also bring consideration of the biennial state budget bill. More information on these and other legislative issues are listed on Page 2.

OHIO SENATE & COMMITTEES SCHEDULE

NOVEMBER

Tuesday, Nov. 15
Wednesday, Nov. 16
Tuesday, Nov. 22 (if needed)
Tuesday, Nov. 29
Wednesday, Nov. 30

DECEMBER

Thursday, Dec. 1
Tuesday, Dec. 6
Wednesday, Dec. 7
Thursday, Dec. 8
Tuesday, Dec. 13 (if needed)
Wednesday, Dec. 14 (if needed)
Thursday, Dec. 15 (if needed)
Wednesday, Dec. 28 (if needed)

OHIO HOUSE SCHEDULE

NOVEMBER

Tuesday, Nov. 15 (if needed)
Wednesday, Nov. 16
Thursday, Nov. 17
Tuesday, Nov. 29
Wednesday, Nov. 30 (if needed)

DECEMBER

Tuesday, Dec. 6
Wednesday, Dec. 7
Thursday, Dec. 8
Tuesday, Dec. 13 (if needed)
Wednesday, Dec. 14 (if needed)

The following is a list of legislation currently being considered at the Ohio Statehouse that has the potential to directly or indirectly impact the future of Ohio's public power utilities.

RENEWABLE ENERGY STANDARDS

In 2014, lawmakers froze the renewable standards applicable to investor-owned utilities for two years while they further studied the issue and awaited action on the USEPA's Clean Power Plan. Those standards are set to resume in 2017, and legislators and others are likely to enact changes. Governor Kasich has stated that full elimination of the standards would be "unacceptable," yet there is little majority-party support for maintaining the standards at current levels. As such, some modifications to the standards are expected. Below are the three key RPS bills currently pending; one of which is likely to ultimately be amended and enacted.

Senate Bill 320, introduced by Sen. Bill Seitz (R-Cincinnati), seeks a three-year extension of the freeze on Ohio's alternative energy standards. The bill mirrors recommendations made by the Energy Mandates Study Committee report issued in September 2015. The report was one of the requirements under Senate Bill 310 (passed in 2014) that froze the original standards until Jan. 1, 2017. In addition to extending the freeze, SB 320 includes the following changes to Ohio's energy standards:

- Expands the definition of "advanced energy resources" (energy efficiency savings and peak demand reduction) to include energy intensity reductions, process efficiencies and cogeneration technology.
- Includes bio-gas generation and post-2012 CH&P as an "Renewable energy resource."
- Allows "mercantile" customers (above 700,000 kWh) to opt-out of participating – and paying a monthly rider for – the EDUs energy efficiency programs.
- Simplifies the process to create an Energy Special Improvement District (E-SID), required for the use of Property Assessed Clean Energy (PACE) financing in Ohio.
- Prohibits the Ohio EPA from implementing the Clean Power Plan, including "carbon trading" without additional changes in law.

House Bill 554, introduced by Rep. Ron Amstutz (R-Wooster) simply extends the freeze until 2027.

Senate Bill 325, introduced by Sen. Kris Jordan (R-Ostrander) would fully repeal the standards. Although action is ultimately expected, if no legislative action is taken this year, Ohio's standards will resume their annual escalation on Jan. 1, 2017, and culminate in 2027, requiring investor owned electric utilities to acquire 12.5 percent of their generation from renewables and improve their energy efficiency by 22.2 percent.

VILLAGE DISSOLUTION

House Bill 509, introduced by Rep. Gary Scherer (R-Circleville), aims to resolve an issue with dissolution of a village in his legislative district. As introduced, HB 509 would allow electors of a village to file a petition for dissolution with their county board of elections. Currently, a village wishing to dissolve its corporate authority must petition the area legislative authority. Under HB 509, after obtaining the required signatures, final approval of the dissolution would be up to area voters at the next general or special election.

We have raised several points of concern with the bill sponsor, including the relative ease in which to put the issue on the ballot, the process for the continuation of utility service and how long-

term debt is addressed following dissolution.

HB 509 received its first hearing before the House Committee on State Government on May 11, 2016. AMP is working with the bill sponsor and other stakeholders, including the OML and County Commissioners Association of Ohio to address our areas of concern. We expect this issue to return for further legislative activity in 2017.

TAX-EXEMPT FINANCING

House Concurrent Resolution 7, introduced on May 3, 2015 is a victory for OMEA member communities. The resolution, sponsored by Rep. Robert Sprague (R-Findlay) urges Congress to preserve the tax-exempt status of municipal bonds and correctly acknowledges the economic success local governments have had raising capital for infrastructure and utility system through the use of tax exempt financing.

HCR 7 passed the Ohio House unanimously (90-0) on Feb. 17, 2016, and the Ohio Senate (33-0) on May 11, 2016. Copies of the resolution were sent to Congressional leaders as well as the White House to acknowledge Ohio's support for tax exempt financing.

continued on Page 3

2016 LEGISLATIVE UPDATE



2016 LEGISLATIVE UPDATE CONTINUED

CLEAN POWER PLAN

House Bill 541, sponsored by Rep. Al Landis (R-Dover), is a simplified version of previous “legislative approval” proposals that keep Ohio agencies from taking, “any action to implement” the Clean Power Plan. Similar proposals have died due to concerns over the federal enforcement consequences if legislators prevent Ohio from filing a required State Implementation Plan. At just over five lines long, HB 541 is the shortest proposal of its kind. Based on discussions between OMEA staff and the Speaker’s office, we have learned that the bill is not a top legislative priority.

POLE ATTACHMENTS

The nation’s two largest wireless internet providers were recently circulated a legislative proposal with Ohio General Assembly members that would remove a municipal utility’s authority to regulate small cell wireless or distributed antenna systems (DAS) attachments on their utility poles and streetlights. The proposal grants the Public Utilities Commission of Ohio (PUCO) explicit authority to determine the rates, terms and conditions for these new wi-fi attachments, as well as to issue judgements over local disputes.

The issue of wireline and wireless attachments has been a difficult one for AMP/OMEA communities in recent years as both cable and telecommunications companies have pursued state-level legislation to limit municipal authority over access to city-owned poles. This type of legislation is typically promoted as a quid pro quo for economic investments by entities seeking to expand their customer base, free of jurisdictional lines, safety requirements, and reasonable rate agreements with impacted local communities. Ohio is not alone in facing this debate, as APPA reports that many states across the country are engaged in similar discussions as a result of advocacy by the telecommunications industry.

OMEA staff has begun outreach education efforts with legislators and stakeholders familiar with the legislative proposal to explain the problems with this and similar efforts in the past that would attempt to place Ohio’s municipal electric utilities under state regulation by the PUCO.

Members who have been approached by wireless internet companies are encouraged to report any communications or efforts that occur in their district. Members who have experienced pole attachment issues with cable or telecommunications companies are also encouraged to share their feedback so the OMEA can provide real-world examples to legislators.

This issue will be a top priority of the telecommunications industry in Ohio. We were concerned that telecommunications companies

would pursue this proposal during the lame duck legislative session. As such, OMEA staff has talked to the bill sponsor, members of leadership and other key lawmakers to oppose any short-term action on the proposal. We have agreed to meet with the telecommunications companies to try to work towards a non-legislative solution and will keep members updated on this issue as it continues to evolve. Ultimately, any proposed solution will be considered by the OMEA Board of Directors.

REREGULATION/STATE ENERGY POLICY

Seventeen years after the historic passage of Senate Bill 3 and eight years after the adoption of Senate Bill 221, Ohio’s investor-owned utilities are pushing for fundamental changes in the regulatory structure governing the industry. Specifically, AEP has begun pursuit of legislation that removes the arms-length separation of their generation, transmission, and distribution companies that is essential for competition in Ohio’s energy market. FirstEnergy and Dayton Power & Light have signaled their support for the concept of re-regulation, and DP&L has begun pursuit of legislation to allow the PUCO to approve a non-bypassable rider if the company faces financial distress.

Environmental regulations, market prices and competitive pressures in recent years have resulted in investor owned utilities closing or selling many of their legacy coal power plants. The dramatic pace of traditional baseload

generation getting replaced by low-cost natural gas and renewables alone is causing the utilities to seek new streams of guaranteed revenue. Additionally, Ohio has historically been a net exporter of energy, but in recent years has shifted to be a net importer. FE and AEP have used this fact to push for reregulation, claiming Ohio should control its future energy sources to ensure the state maintains a reliable electric grid.

POWER PURCHASE AGREEMENTS

Earlier this year, in high-profile and closely watched regulatory proceedings, the PUCO approved two power purchase agreements (PPAs) for AEP and FE under the guise of rate stability and economic investment. The plans allow the IOUs to collect non-bypassable riders from their distribution customers for any unsold output of several power plants deemed uneconomic. Several stakeholders challenged the PUCO decision before the Federal Energy Regulatory Commission (FERC). Less than one month after the PUCO decision, FERC blocked the PPAs, saying they ran afoul of FERC’s rules intended to protect against non-arms-length transactions between affiliates.

While FE refiled for a new, similar regulatory path at the PUCO to ensure profits and economic viability, AEP announced in the summer that the company would pursue a legislative solution designed

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OMEA General Membership meets at conference

The OMEA held its General Membership Meeting Sept. 28, 2016 during the AMP/OMEA conference and re-elected the communities of Hamilton, Oberlin and St. Marys, and elected Celina to serve four-year terms on the OMEA Board of Directors. Hamilton is represented by Carla Fiehrer, vice mayor; Oberlin is represented by Scott Broadwell, council; St. Marys is represented by Mayor Pat McGowan; and Celina is represented by Mayor Jeffrey Hazel.

At the OMEA Board Reorganization meeting, members re-elected the executive committee of Mayor Richard Homrighausen, City of Dover, president; Mayor Robin Laubaugh, City of Wadsworth; and Mayor Steve Yagelski, Village of Montpelier.

This year, the OMEA general membership selected nine new honorary members:

- **John Bentine, AMP general counsel** – Bentine has served as general counsel for AMP and the OMEA since 1981 and will be retiring in early 2017. He joined AMP in 2012 as senior vice president/general counsel and has long served as an ex-officio member of the AMP Board of Trustees.
- **Keith Brooks, Capitol Advocates/OMEA state legislative consultant** – Brooks has represented the OMEA before state lawmakers since 1984 and will be retiring in December 2016. As a key member of the OMEA legislative lobbying team, Brooks works on behalf of the OMEA in tracking legislation, lobbying state lawmakers and ensuring that the organization's voice is heard by important policymakers.
- **Tom Johnson, former field superintendent of Dover Light & Power** – Johnson began his career with the City of Dover in 1984 as a meter reader, became meter crew leader in 1987 and was promoted to assistant superintendent in 2008. He was named superintendent in 2011 and occupied that position until his retirement in June 2016.
- **Mark Brandenburger, former city manager of Hamilton** – Brandenburger spent the majority of his career serving the people of Hamilton, Ohio. He worked in several positions for the city, retiring as the city manager in 2010.
- **Pam Lucas, former village manager of Montpelier and former AMP Board member and officer** – Lucas served the Village of Montpelier for 14 years, 12 of those years as village manager, before retiring in July 2016. Over the course of her career she also worked for other public power communities, including the City of Bryan for 14 years and the City of Bowling Green for one year.



Keith Brooks speaks during the OMEA General Membership meeting at the 2016 AMP/OMEA Conference on Sept. 28 at the Hilton Columbus at Easton.

- **Wayne York, former village manager of New Bremen** – First hired by the Village of New Bremen in 1973, York served as village administrator for two years before moving in a different direction in his career. He returned to New Bremen in 2005 as village administrator and stayed in that position until his retirement in 2016. York was also an OMEA Board member.
- **Bill Rains, former city manager of Wapakoneta** – Rains served as the safety services director for the City of Wapakoneta since 2009, retiring in November 2015. Prior to Wapakoneta, he served as the safety service director for the City of Fostoria, village administrator for the Village of Pioneer and was a foreman with the sewer department in the City of Sylvania.
- **Mayor Barbara O'Keefe, former mayor of Wellington** – O'Keefe retired from the Village of Wellington in January 2016, having served as the mayor since 1993.
- **Andrew Boatright, former electric superintendent of Westerville and former AMP Board member** – Boatright has more than 30 years of experience in the electric utility industry. He is currently the deputy director of Independence Power & Light in Missouri, having previously served as the manager of the City of Westerville Electric Division from 1996 to April 2016. Boatright is also the current chair of the APPA Board.

The general membership adopted resolutions specially recognizing the individual contributions to the organization by OMEA Honorary Members Keith Brooks and John Bentine, each of whom has served the organization for more than 30 years. Brooks will be retiring in late 2016, and Bentine will retire in early 2017. The establishment of the George V. Voinovich Award was also announced to be presented no more than annually to recognize a state or federal public official whose work has helped public power in Ohio; Retiring long-time state lawmaker and former Orrville mayor Representative Ron Amstutz (R-Wooster) was selected as the first recipient.

2016 LEGISLATIVE UPDATE CONTINUED

to effectively re-regulate the retail electric industry in Ohio. FE has expressed conceptual support for AEP's efforts, while at the same time continuing its pursuit of revenue changes through regulatory channels.

On Oct. 12, 2016, FE gained PUCO approval to collect \$132.5 million per year (for three years) from distribution customers to support their credit rating, vital to all borrowing and investments required to preserve aging assets and infrastructure. Just days after the PUCO's approval, DP&L filled a revised electric security plan with the PUCO that includes a similar request for financial assistance based on credit worthiness and financial distress. DP&L is also pursuing that proposal through legislation.

The stakeholders impacted by AEP's legislative restructuring effort will have some new and significant interests in maintaining Ohio's

competitive energy market, including competitive energy suppliers such as IGS, Dynegy, DirectEnergy, large and small business customers, residential advocates, PJM, labor unions, as well as clean energy and environmental advocates.

Such a reversal in a robust and complex industry is no easy request of the legislature and is expected to be the top legislative focus of 2017 besides passage of Governor Kasich's last biennial budget.

OMEA will be following the deliberations closely to ensure there are no issues detrimental to Ohio's municipal electric communities or to AMP included in any final legislation. This includes challenges to Home Rule or changes to industry tax structure, including the kWh tax. We are also looking for potential opportunities to strengthen public power.

Lame Duck could see action on energy legislation



Marty Kanner – founder and president of Kanner & Associates

Though national attention is focused on the Nov. 8 election, small cadres of congressional staffs are busy working on unfinished business – including energy legislation – that could be considered in the post-election “lame duck” session.

Congress will return for three weeks after the election to a full plate of issues. Top on the list is legislation funding the continued operations of the federal government. While that bill is considered “must pass” to avoid a government shutdown, it is also an intra-party political football as the House Freedom Caucus, composed of roughly 30 conservative Republicans, threatens to block the bill and potentially topple House Speaker Paul Ryan (R-WI) unless their policy priorities are met.

Beyond the funding measure and potential extension of expiring tax provisions, Senate Energy Committee Chair Lisa Murkowski (R-AK) remains optimistic that Congress will complete action on the two-year effort to enact comprehensive energy legislation. The pending bill would streamline the current regulatory process for reviewing hydropower projects and natural gas pipelines, advance energy efficiency and update grid security measures. Staffs for the House and Senate energy panels have been meeting daily in an effort to hammer an agreement. Although considerable progress has reportedly been made in resolving differences in energy policy between the bills previously passed by the House and Senate, the land and water policies added to the legislation remain a significant sticking point.

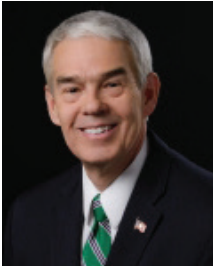


Of course the election outcome is also likely to factor into the lame duck agenda. Depending on which party gains the advantage, there could be efforts to delay action on the energy bill and other measures until next Congress when the substantive and political outcome could be different. Despite the post-election maneuvering, there is cautious optimism that the energy bill will be enacted and Congress will avoid a political divisive government shut-down.

Regardless of the outcome, there will be only a few weeks break before the 115th Congress begins.

GET TO KNOW YOUR LEGISLATORS:

Sen. Randy Gardner



Sen. Randy Gardner (R-Bowling Green) is a long-time public servant. Having first been elected to the legislature in 1985, Gardner has represented – either as a

State Representative or State Senator – the OMEA member communities of Bloomdale, Bowling Green (his home town), Bradner, Custar, Cygnet, Elmore, Genoa, Haskins, Huron, Milan, Oak Harbor, Pemberville, Tonotgamy and Toledo. Gardner is currently serving his first consecutive term in the Ohio Senate, having previously served in the Upper Chamber from 2001 through 2008. He also served as a mem-

ber of the Ohio House of Representatives from 1985 to 2000, and again from 2008 through 2012.

A respected leader in state government, Gardner previously served in many leadership posts in the General Assembly, including Senate Majority Leader, Senate President Pro Tempore, House Majority Leader and House Speaker Pro Tempore.

Gardner was chosen to preside as the chair of the Finance Higher Education Subcommittee. He is also a member of the Senate Finance Committee and other panels that deal with Ohio's workforce development and budget management.

Gardner received bachelor's and master's degrees from Bowling Green State Univer-

sity. Prior to his career in public service, he worked both as a real estate agent, and a high school history and government teacher.

Among many other awards and acclamations, Gardner has been named Legislator of the Year by the Ohio Disabilities Council and received the Andrew Carnegie Award from the Ohio Library Association. He has also received the prestigious Watchdog of the Treasury Award numerous times for his 100 percent voting and attendance record in both the Senate and House.

Gardner and his wife Sandy reside in Bowling Green with their children Brooks, Christina and Austin.

LOBBYIST SPOTLIGHT:

Dan Leite



Dan Leite is a long-time member of the OMEA legislative advocacy team. He has been with Capitol Advocates (formerly affiliated with Agee, Clymer,

Mitchell & Laret) for 20 years and became one of the firm's owners and partners in 2003.

Leite has been active with the Ohio General Assembly for nearly 25 years, starting with his legislative career in the Ohio House of

Representatives where he served as the legislative aide to former State Rep. Dan Troy. Prior to joining Capitol Advocates, Leite served as the assistant director of legislation for the Ohio State Medical Association (OSMA). His primary experience is focused in energy, environment, communications, finance, financial institutions, health, insurance, state and local government and taxation.

Leite is a native of Fremont, Ohio, and holds a bachelor's degree from Bowling Green State University. He is an avid marathon runner and tri-athlete, having completed 151 domestic and international marathons,

three Ironman Triathlons and served as the vice chair of the Board of Directors for the Columbus Marathon.

Leite also became a heart transplant survivor this past December. On Christmas Eve he received word that a heart had become available. On Dec. 25, 2015, Leite's heart transplant surgery was successfully completed at the Ohio State University Ross Heart Hospital. Leite had suffered from congestive heart failure for several years prior to the transplant. He is doing well now and is back to work representing the OMEA and its members in the Ohio legislature.



Update

A weekly newsletter presented by AMP President/CEO Marc Gerken

November 4, 2016

October 2016: Warm weather, fall maintenance keep on-peak prices up

By Mike Migliore – vice president of power supply planning & marketing

Warm weather combined with the typical fall generator maintenance outages kept prices slightly elevated for the month. Although 7x24 prices ended equal to October 2015, 2016 5x16 prices were \$2.50/MWh above last year. Negative congestion continued on the PJM West to PP&L and Indiana Hub to AEP/Dayton Hub path.

AVERAGE DAILY RATE COMPARISONS

	October 2016 \$/MWh	September 2016 \$/MWh	October 2015 \$/MWh
A/D Hub 7x24 Price	\$29.53	\$29.13	\$29.49
PJM West 7x24 Price	\$30.20	\$30.76	\$31.46
A/D to AMP-ATSI Congestion/Losses	-\$0.48	\$0.50	\$0.23
A/D to Blue Ridge Congestion/Losses	\$1.70	\$1.92	\$1.17
A/D to PJM West Congestion/Losses	\$0.67	\$1.62	\$1.97
PJM West to PP&L Congestion/Losses	-\$10.00	-\$8.39	-\$6.51
IND Hub to A/D Hub Congestion/Losses	-\$3.14	-\$3.55	\$2.58

AMP files comments, responds to CEIP

By Adam Ward – assistant vice president of environmental affairs & policy

On Oct. 31, AMP filed comments in response to the U.S. Environmental Protection Agency’s (USEPA) proposed Clean Energy Incentive Program (CEIP), a component of the Clean Power Plan (CPP) structured to encourage the development of early renewable and energy efficiency projects in low-income communities during the two years leading up to the CPP’s compliance period.

AMP’s comments on the CEIP included support for certain aspects of the program and recommended changes to others. Specifically, AMP’s comments support the USEPA’s inclusion of hydropower as an eligible renewable technology, as well as resetting the CEIP eligibility period once the pending legal challenges are resolved. AMP’s recommended changes to the proposed CEIP include:

- Adding solar generation to energy efficiency as a technology that should be considered for the two-to-one credit/allowance allocation.

see CEIP Page 2

AMP solar ribbon cutting to take place Dec. 13

By Karen Ritchey – director of member events & programs

A ribbon cutting and dedication ceremony at the Bowling Green solar site will be held at 1 p.m. Dec. 13.



Invitations are being mailed to AMP members, consultants and local officials.

This project in Bowling Green is part of AMP’s Solar Phase II initiative. Earlier this year, AMP executed a joint development agreement with DG AMP Solar, LLC, a wholly owned subsidiary of NextEra Energy Resources, LLC. The agreement provides the framework for the development, construction and operation of 80 megawatts (MW) or more of new solar electric generation facilities.

The Bowling Green ribbon cutting and dedication will be held outdoors at the active construction site in a heated tent. Attendees are encouraged to dress appropriately and wear flat shoes. Coffee and cake will be served following the ceremony.

To RSVP, please contact Jodi Allalen at 614.540.0916 or jallalen@amppartners.org.

Penelec, MetEd file for transmission rate change

By Mike Migliore

On Oct. 28, Penelec and MetEd (both owned by FirstEnergy) filed to eliminate their fixed transmission rate and join the other systems that use a formula rate for transmission charges. The formula will allow for annual changes in

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CEIP continued from Page 1

- Alignment of the “low income” definition with existing definitions used in other federal and state programs.
- Reapportionment of credits/allowances from non-participating states to participating states rather than retirement of those credits/allowances.
- Encouraging flexibility when linking credits/allowances to renewable power crossing state lines.
- Preventing devaluation of credits/allowances for CEIP eligible renewable generation projects that are also eligible for production tax credit (PTC) or investment tax credit (ITC).

AMP’s official comments are available on the AMP [website](#). AMP will continue to update members on this matter as additional information becomes available. Please contact me with questions at award@amppartners.org or 614.540.0946.



Georgetown breaks ground

By Mike Migliore

Georgetown officials hosted a groundbreaking ceremony at the Brown County Landfill for the start of Energy Development’s (EDI) 4 MW landfill generation project. The generation is expected to be online by April 2017.

AMP will purchase all of the output from the site under a 15-year power purchase agreement (PPA) on behalf of Georgetown, Ohio; Williamstown, Kentucky; and Yellow Springs, Ohio. This will be the fourth EDI landfill generation project that AMP purchases power from. As part of the PPA with EDI, AMP’s energy control center will handle all of the PJM and members’ scheduling arrangements for the generation.

Pictured above at the event on Nov. 3 are (from left): Cody Ward, AMP power supply planning engineer; Ohio State Sen. Joe Uecker; Steve Cowman, EDI president/CEO; Ohio State Rep. Doug Green; Congressman Brad Wenstrup; Bill Rumpke, Jr., Rumpke president/CEO; Bonnie Buthker, district chief of the Ohio EPA’s Southwest District Office; Mayor Dale Cahall, Georgetown; and Greg Beamer, Rumpke regional vice president.

On Peak (16 hour) prices into AEP/Dayton Hub

Week ending Nov. 4

MON	TUE	WED	THU	FRI
\$31.35	\$36.41	\$33.19	\$30.60	\$27.80

Week ending Oct. 28

MON	TUE	WED	THU	FRI
\$33.50	\$35.88	\$35.20	\$32.70	\$29.14

AEP/Dayton 2017 5x16 price as of Nov. 3 — \$37.05

AEP/Dayton 2017 5x16 price as of Oct. 27 — \$35.25

Energy markets update

By Jerry Willman – assistant vice president of energy marketing

The December 2016 natural gas contract closed down \$0.023/MMBtu to settle at \$2.769 yesterday. The EIA reported an injection of 54 Bcf for the week ending Oct. 28, which was in line with market expectations.

On-peak power prices for 2017 at AD Hub closed yesterday at \$37.05/MWh, which was \$1.80/MWh higher for the week.

AMP mails scholarship packets

By Jodi Allalen – member events & programs coordinator

AMP scholarship packets with information regarding the Lyle B. Wright and Richard H. Gorsuch scholarship programs were mailed earlier this week. Sent to principal contacts and high schools in member communities, the packets contain scholarship nomination forms, as well as details on rules, eligibility and deadlines. Member communities can nominate one high school student for each scholarship (Gorsuch and Wright). Nominations are due by Dec. 9.

Wright scholarship applicants must be students whose household receives electricity from an AMP member community. Applicants for the Gorsuch scholarship must be students whose parent or guardian is an employee of an AMP member municipal electric department or an employee of AMP.

Up to four Wright and up to four Gorsuch scholarships will be awarded, each for \$2,500. Recipients will be determined by the AMP Board of Trustees and announced in May. Since the program began in 1988, AMP has awarded \$288,000 in scholarships to graduating high school seniors. Member communities are encouraged to participate in this program by nominating a student for the scholarships.

Scholarship packet information is also available on the Member Extranet section of the AMP [website](#). For additional information, please contact me at 614.540.0916 or jallalen@amppartners.org.



News or Ads?

Call Kerin Scott at 614.540.6406 or email to kscott@amppartners.org if you would like to pass along news or ads.



Penelec, MetEd rate change

continued from Page 1

the rate based on projected transmission costs of the two systems for the upcoming year.

The impact of this change will result in an increase in rates on Jan. 1, 2017, from the current \$1.26/kW-month price to \$1.88/kW-month, which is a 50 percent increase. This rate will be in place for the 2017 calendar year billing period and will add approximately \$1.50/MWh to power costs for members in Penelec and MetEd.

AMP's legal and engineering teams will be involved in the rate case with the Federal Energy Regulatory Commission (FERC) to examine the basis for the rate increase, including the requested 11 percent rate of return on transmission investments.

Columbus holds EV workshop

The City of Columbus held an all-day electric vehicle (EV) workshop on Nov. 2. Primarily focused on Columbus' Smart City Grant, the workshop provided information about EV grid integration, program benefits and charging infrastructure.



Integration of EV and related infrastructure into public power communities across the U.S. has become a trending topic, with multiple organizations pushing for increased education, research and funding for EV-related projects.



AMP hosts APPA workshop

By Michelle Palmer, PE – vice president of technical services

AMP hosted an APPA Overhead Pole Design Workshop Nov. 3-4, with 15 participants from eight members in Ohio, Michigan and West Virginia, as well as AMP staff in attendance. Throughout the course, participants engaged in a mix of classroom-style instruction and hands-on exercises to help enhance their knowledge of the structural design and loading of distribution poles.

Workshop attendees pictured above are (from left): row one-Tom Jones, Westerville; Ryan Kelley, Westerville; Rod Troxell, Cuyahoga Falls; Jesse Austin, Philippi; Joe Smith, Marshall; Heather Schell, Wyandotte; Steven Harmath, Columbus; Levi Cecil, Wapakoneta; row two-Bob Rumbaugh, AMP; David Overman, Jackson Center; Andy Stiner, Westerville; Bill Whitworth, instructor; John Miner, instructor; Donald Gnaedinger, Columbus; and Daniel Clark, Columbus. Attendees not pictured are Cody Crose, AMP; and John Stewart, Bowling Green.

Classifieds

AMP in search of candidates for multiple positions

American Municipal Power, Inc. (AMP) is seeking applicants for the following positions. For complete job descriptions, please visit the "careers" section of the AMP [website](#) or email Teri Tucker at ttucker@amppartners.org.

Environmental Compliance Specialist – This position maintains compliance status of AMP-owned/managed facilities. Qualifications include a bachelor's degree in chemical/civil/environmental engineering or environmental/natural science, with three to five years of environmental compliance/regulatory work experience preferred. Knowledge of the electric utility industry is highly desired and an understanding of Ohio air permitting regulations is preferred. Position requires overnight travel up to 25 percent, mostly in Ohio and neighboring states.

AMI/MDM Operator – This position has expert knowledge of all MDM and AMI system functionality and connectivity. Operator will monitor and ensure the schedule tasks that make up the AMI processes are run and com-

pleted successfully. The operator will prepare and maintain daily, weekly and monthly processing schedules for AMI system operation. Position will track and verify the quality of data from all AMI sources, troubleshooting problems and performing minor repairs with various vendors support personnel. The AMI/MDM Operator will also assist programmers and technical support in testing and debugging new applications and upgrades for the AMI and MDM systems. Qualifications include mechanical engineering degree or technical degree in metering or equivalent experience.

Accountant – This position is responsible for the preparation, analysis and review of financial statements for projects on behalf of AMP's members, research and follow-up on variances to budget, month-end close processes and accruals, account reconciliations, and manual journal entries. Partners with the accounting team to remediate control deficiencies, ensure workflows are documented, best practices are implemented, and policies and procedures are in place to ensure internal controls are in

see CLASSIFIEDS Page 4

compliance with Sarbanes-Oxley standards. Qualifications include a bachelor's degree from an accredited university. A minimum of two to five years of relevant experience, and proficiency with Oracle E-Business Suite and Microsoft Excel are preferred. CPA and/or MBA, as well as general knowledge of the energy industry and FERC uniform system of accounts are desired.

City of Napoleon is accepting applications for city manager

The City of Napoleon is currently accepting applications for the position of city manager. This position is responsible for the administration of the various functions of government as stated in the city charter supplemented by policies established by city council. A valid driver's license is required. This is a full-time position with a starting annual salary of \$85,000 to \$115,000 depending on individual's experience.

Applications and job description may be obtained beginning Oct. 25 between 7:30 a.m. to 4 p.m. from the City of Napoleon's Administration Building, located at 255 W. Riverview, PO Box 151, Napoleon, Ohio, 43545; or downloaded from the City of Napoleon's [website](#).

A properly completed notarized application must be returned to the above address with a resume and cover letter by noon Nov. 11 to be considered. Applications submitted without following the above requirements will not be considered for employment. EOE.

Bowling Green seeks lineman

The City of Bowling Green electric division is seeking applicants for the position of journeyman lineman. This position is responsible for constructing, maintaining, troubleshooting and repairing the city's electrical distribution system.

Duties include operating equipment, maintaining service lines, analyzing and repairing outage situations, connecting new customers to electrical power, maintaining street lights and informing public of work. Candidates must have a high school diploma or equivalent, successful completion of a lineman apprenticeship program, a Commercial Class A driver's license, and three to five years of relevant experience.

A copy of the job description will be provided to applicants. Interested candidates must complete an application, available on the city's [website](#). Applications are also available in the city's personnel department. Résumés may be included, but will not substitute for a completed application. Applications must be completed and returned to the personnel department, City of Bowling Green, 304 N. Church St., Bowling Green, Ohio 43402. For additional information, please call 419.354.6200 or email BGPersonnel@bgohio.org.

City office hours are 8 a.m. to 4:30 p.m. weekdays. Applications must be received by 4:30 p.m. Nov. 23. AA/EEO.

Register now for Webinars



An internet connection and a computer are all you need to educate your entire staff for just \$99. Register today at APPAAcademy.org. Non-APPA members enter coupon code **AMP** to receive the member rate.

Raising Awareness of Public Power Webinar Series

- Working Effectively with Local Media **Dec. 1**
- Starting and Sustaining Social Media for Your Utility **Dec. 9**
- Marketing & Communications on a Shoestring **Jan. 12**
- Crisis Communications **Jan. 25**



Calendar

Nov. 7—Finance & Accounting Webinar
Contact Joe Regan at jregan@amppartners.org
for dial-in information

Nov. 14-15—OSHA 10 Class
AMP Headquarters, Columbus

Feb. 27-March 1—APPA Legislative Rally
Mayflower Hotel, Washington D.C.

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City of NAPOLEON, Ohio

Operations Department

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Phone: 419/599-1891 Fax: 419/592-4379



Operations Superintendent
Jeffrey H. Rathge

Water Distribution Foreman
Brian Okuley

Streets/Sewer Foreman
Roger Eis

Refuse/Recycling Foreman
Perry Hunter

Head Mechanic
Tony Kuhlman

Press Release

2016 CURBSIDE LEAF PICK UP

The City of Napoleon will begin curbside leaf pick up on **Monday, November 14, through and including Friday, November 18, 2016.** There will be no specific schedule for the pickup of bagged leaves; *only those who have received a letter of confirmation for vacuuming services will be scheduled – no other residents are permitted to rake their leaves to the curb.*

Residents should have bagged leaves at the curb by 7:00 a.m. Monday, November 14; leaves to be vacuumed should be at the curb by 7:00 a.m. of their scheduled day.

The City would also like to remind residents that leaves may be deposited at the 1722 Oakwood Ave. facility in loose (bulk) form on the existing grass, leaves and vegetative pile.