
Memorandum

To: Mayor & Members of Council
From: Roxanne
Subject: General Information
Date: October 07, 2016

CALENDAR

AGENDAS for Monday, October 10th

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

1. Approval of Minutes from September 12, 2016 – the minutes are enclosed
2. Review/Approval of the Power Supply Cost Adjustment Factor for October 2016 – the reports are attached
3. Electric Department Report for September 2016 is enclosed
4. Review of the Net Metering Policy (Tabled)

Water/Sewer Committee @7:00 pm

1. Approval of Minutes from August 08, 2016 – the meeting minutes are attached
2. Review of Water Plant Upgrade Project and Estimated Cost
3. Review of Water Rates Related to Water Plant Upgrade Project

Municipal Properties/ED Committee @7:30 pm

1. Approval of Minutes from September 12, 2016 Meeting – the minutes are enclosed
2. Conceptional 2017 Construction Projects – enclosed is a Memorandum on the proposed Public Works projects for 2017

Personnel Committee @7:45 pm

AGENDA for Wednesday, October 12th

Personnel Committee @5:30 pm

AGENDAS for Friday, October 14th

Healthcare Cost Committee @8:30am

MEETINGS CANCELED

1. Board of Zoning Appeals
2. Planning Commission

INFORMATIONAL ITEMS

1. Press Release/Fall Fire Hydrant Flushing Program
2. TMACOG October Newsletter

October 2016						
◀ Sep 2016						Nov 2016 ▶
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3 6:15pm Technology Committee 7:00 pm City COUNCIL Mtg	4 2:30 pm Preservation Comm. Mtg	5	6 7:30pm Personnel Committee	7 10:00 am Healthcare Cost Committee	8
9	10 6:30pm Electric Committee 6:30pm BOPA Meeting 7:00pm Water/Sewer Comm 7:30pm Municipal Properties/ED Co 7:45 pm Personnel Committee	11	12 Employee Appreciation Picnic 5:30 pm Personnel Committee	13	14 8:30 am Healthcare Cost Committee	15
16	17 6:00 pm Tree Commission 6:15 pm Parks & Rec Comm 7:00 pm City COUNCIL Mtg	18	19	20	21	22
23	24 6:30 pm Finance & Budget Committee 7:30 pm Safety and Human Resources Committee	25 4:30 pm Civil Service	26 6:30 pm Parks & Rec Board	27	28	29
30	31 5th Monday	Notes: October 10 - 21 Fall Fire Hydrant Flushing Program				

City of Napoleon, Ohio

ELECTRIC COMMITTEE

Meeting Agenda

Monday, October 10, 2016 at 6:30 pm

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

- 1) Approval of Minutes from September 12, 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 October, 2016:
PSCAF three (3) month averaged factor: \$0.00982
(Prior PSCAF September 2016 factor: \$0.01329)
JV2: \$0.065472
JV5: \$0.065472
- 3) Electric Department Report.
- 4) Review of the Net Metering Policy (Tabled).
- 5) Any other matters currently assigned to the Committee
- 6) Adjournment



Gregory J. Heath, Finance Director/Clerk of Council

CITY OF NAPOLEON, OHIO
ELECTRIC COMMITTEE MEETING MINUTES
Monday, September 12, 2016 at 6:30 pm

PRESENT

Members
Board of Public Affairs
City Staff

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

Recorder
Other

ABSENT

Call to Order

Patrick McColley called the meeting to order at 6:30 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/Approval of the
Power Supply Cost
Adjustment Factor for
September, 2016:**

The Electric Power Supply Cost Adjustment Factor for September, 2016 was presented for review
PSCAF three (3) month averaged factor: \$0.01329
JV2: \$0.010999
JV5: \$0.010999

Discussion

Irelan passed out a Memo on why rates are going up and also a supplement from AMP with chart color showing what entities from 2015 and 2017 rolling portfolio hydro capital costs project. McColley asked about the Fremont combined cycle with 20% is that an assumption gas prices or is that we are taking less from other folks? Irelan said difference in the megawatt hours overall portfolio is getting smaller, hydro still takes that amount of percentage. Frysinger asked if percentage increase is from everything that came online this year. Irelan said that is the hydro project and by 2017 all of them will be on line, the projects on the Ohio River are just getting built. DeWit said a when humidity is 96% and people turn AC down to 72° it is about usage there is not much you can do on rates. McColley asked if our levelized rate is keeping up. Irelan replied it is doing what it is supposed to want to go up smoothly over time. Dr. Cordes asked when will be last we get back on rate levelization we have taken. Irelan said November of next year. He asked if anticipate a jump when it ends,

Motion to Accept BOPA Recommendation for Approval of Power Supply Cost Adjustment Factor

JV5: \$0.010999

Nay

Sheaffer said good job on August 27th you were called out to so many places at same time and people appreciate getting things back on quickly.

Review of the Net Metering Policy (Tabled).

Nothing to add.

Review of the Automatic Renewal of Efficiency Smart Contract

Irelan said there was a memo in the packet (see attached) the Efficiency Smart contract has a clause for automatic renewal for another 3 year period, we need to let them know by October 1, 2016 is we want to let that automatically roll. On the efficiency program we each pay \$1.40 /MWh on our bill and that money gets collected for this program, ie. free bulbs at Ace Hardware, when you buy appliances can get credit and recycle old appliances. The program is also used on the commercial and industrial side they will do energy audit for industrial costumers stats pretty significant a benefit to our portfolio. Information about the program is on their website. DeWit said that goes a long way toward customer service. Irelan said put in for 11% in residential, 44% commercial and 46% in industrial. DeWit said as long as people area using is great, Irelan responded City Hall used program for hallway lights, Frysinger said it sounds like they are doing an excellent job.

Motion to Recommend to City Council that we Keep the Current Policy and Continue with the Automatic Renewal

Motion: Sheaffer Second: McColley
To recommend to City Council that we keep the current policy and continue with the automatic renewal.

Passed
Yea-3
Nay-0

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

Miscellaneous

Irelan said we did approve the extended life for AMP PT and JV2 Diesel until 2019 they were to expire in 2018, the JV2 gas units was extended until 2021, the JV5 diesel units were retired in May and those units are up for sale. Sheaffer asked if there is a replacement project for that and Irelan responded that the replacement project is the gas project that is currently on hold because construction costs have went up everything is ready move forward when more cost effective.

BOPA Concerns on Water Rates/WTP Project

DeWit said wanted to talk about water, we are going to have the biggest water rates with costs of water plant, what does it take to bring BOPA up-to-date on the costs. The BOPA will catch as much concern as anyone else and we need to understand numbers and get involved. What is the \$17 million number just the plant? Irelan said \$17 million is not just the plant I will have to pull the numbers. DeWit said your

number does not make sense to me. DeWit said that was your last number on presentation for cost of plant \$17 million something, what is the final cost? Irelan said she does not know the project has not been bid the engineer's estimate updated to \$16.5 million but that has gone down when changes were made to design. Will have to bring presentation back with updates before can talk about actual rates. DeWit said the BOPA duties are to advise Council not only on rates but a bunch of other stuff according to the Charter, not getting involved until at the last minute and not knowing anything about it is putting the BOPA at a serious disadvantage. Irelan said first debt payment will not be until 2021 and will be doing rate increases in shifts, customers will not see 30% increase in next year's rates we will levelize like we did with hydro. DeWit commented have to look at question when did it become smarter to stay course originally especially given the way project was not managed this is the biggest increase City has had in any one project at any time as far as a total cost WTP biggest expenditure increase we ever had. Irelan said this is biggest capital project ever done by the City. DeWit said we went from target of \$10 million to a projected final cost now of \$16 million. Irelan replied that \$10 million was my personal target. DeWit said your personal target became the city's target when you mentioned it first and the lowest number is the one you live with. This went from \$10-\$16 million dollars, a 60% difference in cost. Irelan said I have been giving updates to Council. Dewit asked how can you have a project without a budget. Irelan said do not have a design complete and cannot budget without a design. Heath suggested Review of Water Plant Upgrade Project and Estimated Cost and Review of Water Rates Related to Water Plant Upgrade Project be added to the BOPA's October agenda.

**Motion to Adjourn
Electric Committee
Meeting**

Motion: McColley Second: Baer
To adjourn the Electric Committee Meeting at 7:14 pm

**Passed
Yea-3
Nay-0**

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

Approved

October 10, 2016

Travis Sheaffer, Chair

OCTOBER 2016		City of Napoleon, Ohio									
DETERMINATION OF MONTHLY - POWER SUPPLY COST ADJUSTMENT FACTOR (PSCAF)											
AMP	City	City	Purchased Power			Rolling	Less: Fixed	PSCA	PSCAF		
Billed	City	Net (Prior Mo)	Supply Costs	Rolling 3-Month Totals		3 Month	Base Power	Dollar	3 MONTH		
Usage	Billing	kWh	(*Net of Known)	Current + Prior 2 Months		Average	Supply	Difference	AVERAGED		
Month	Month	Delivered	(Credit's)	kWh	Cost	Cost	Cost	+ or (-)	FACTOR		
(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		
Sept '14	Nov '14	12,933,928	\$ 873,122.55	42,298,515	\$ 3,172,329.38	\$ 0.07500	\$ (0.07194)	\$ 0.00306	\$ 0.00329		
Oct '14	Dec '14	12,957,031	\$ 1,007,380.97	40,854,845	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 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	\$ 0.08108	\$ (0.07194)	\$ 0.00914	\$ 0.00982		

<u>BILLING SUMMARY AND CONSUMPTION for BILLING CYCLE - OCTOBER, 2016</u>									
<u>2016 - OCTOBER BILLING WITH SEPTEMBER 2016 DATA BILLING UNITS</u>									
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	AUGUST, 2016	31	33,230						
City-System Data Month	SEPTEMBER, 2016	30							
City-Monthly Billing Cycle	OCTOBER, 2016	31							
=====CONTRACTED AND OPEN MARKET POWER=====									
=====PEAKING=====									
=====HYDRO POWER=====									
(	AMP CT	FREEMONT	PRAIRIE STATE	MORGAN STNLY	NORTHERN	JV-2	AMP-HYDRO	MELDAHL-HYDR	GREENUP HYDR
PURCHASED POWER-RESOURCES -> (	ENERGY	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) ->	211,956	4,873,531	2,879,473	2,827,200	1,345,132	3,124	1,036,717	201,256	156,859
Delivered kWh (Off Peak) ->					517,501				
Delivered kWh (Replacement/Losses/Offset) ->									
Delivered kWh/Sale (Credits) ->					-238,402				
Net Total Delivered kWh as Billed ->	211,956	4,873,531	2,879,473	2,827,200	1,624,231	3,124	1,036,717	201,256	156,859
<i>Percent % of Total Power Purchased-></i>	<i>1.2569%</i>	<i>28.8989%</i>	<i>17.0746%</i>	<i>16.7647%</i>	<i>9.6313%</i>	<i>0.0185%</i>	<i>6.1475%</i>	<i>1.1934%</i>	<i>0.9301%</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	-\$34,669.86	-\$17,734.69			-\$1,487.38	-\$2,019.06	-\$394.65	-\$1,007.67
Sub-Total Demand Charges	-\$57,226.75	\$50,741.56	\$140,607.44	\$0.00	\$0.00	-\$1,192.57	\$147,274.39	\$19,156.21	\$4,875.57
<u>ENERGY CHARGES (+Debits):</u>									
Energy Charges - (On Peak)	\$19,192.62	\$126,875.79	\$33,203.93	\$177,972.24	\$63,438.35	\$187.48	\$185.79	\$270.95	\$459.56
Energy Charges - (Replacement/Off Peak)					\$15,830.22				
Net Congestion, Losses, FTR		\$11,918.91	\$8,009.14	\$4,054.44			\$3,065.24	\$616.48	\$356.19
Transmission Charges (Energy-Debits)			\$31,032.46						
ESPP Charges									
Bill Adjustments (General & Rate Levelization)		\$8.62				\$125.27	\$12.87	-\$3,163.65	\$3,855.25
<u>ENERGY CHARGES (-Credits or Adjustments):</u>									
Energy Charges - On Peak (Sale or Rate Stabilization)					-\$6,808.27				
Net Congestion, Losses, FTR									
Bill Adjustments (General & Rate Levelization)			-\$26,976.28				-\$2,073.43	-\$402.51	-\$313.72
Sub-Total Energy Charges	\$19,192.62	\$138,803.32	\$45,269.25	\$182,026.68	\$72,460.30	\$312.75	\$1,190.47	-\$2,678.73	\$4,357.28
<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	-\$38,034.13	\$189,544.88	\$185,876.69	\$182,026.68	\$72,460.30	-\$879.82	\$148,464.86	\$16,477.48	\$9,232.85
<i>Purchased Power Resources - Cost per kWh-></i>	<i>-\$0.179444</i>	<i>\$0.038893</i>	<i>\$0.064552</i>	<i>\$0.064384</i>	<i>\$0.044612</i>	<i>-\$0.281633</i>	<i>\$0.143207</i>	<i>\$0.081873</i>	<i>\$0.058861</i>

BILLING SUMMARY AND CONSOLIDATION									
2016 - OCTOBER BILLING WITH SEPTEMBER 2015									
PREVIOUS MONTH'S POWER BILLS - PLANT									
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) ->	550,111	2,297,472	16,078	152,616	0	0	0	0	16,551,525
Delivered kWh (Off Peak) ->									517,501
Delivered kWh (Replacement/Losses/Offset) ->		33,428							33,428
Delivered kWh/Sale (Credits) ->									-238,402
Net Total Delivered kWh as Billed ->	550,111	2,330,900	16,078	152,616	0	0	0	0	16,864,052
Percent % of Total Power Purchased->	3.2620%	13.8217%	0.0953%	0.9050%	0.0000%	0.0000%	0.0000%	0.0000%	99.9999%
								Verification Total ->	100.0000%
COST OF PURCHASED POWER:									
DEMAND CHARGES (+Debits)									
Demand Charges	\$6,695.48	\$35,332.94	\$1,576.48			\$114,221.28			\$310,453.46
Debt Services (Principal & Interest)		\$55,210.55							\$356,737.20
DEMAND CHARGES (-Credits)									
Transmission Charges (Demand-Credits)		-\$11,640.00	-\$117.67						-\$41,949.57
Capacity Credit	-\$4,412.61	-\$14,514.20	-\$106.71						-\$138,759.70
Sub-Total Demand Charges	\$2,282.87	\$64,389.29	\$1,352.10	\$0.00	\$0.00	\$114,221.28	\$0.00	\$0.00	\$486,481.39
ENERGY CHARGES (+Debits):									
Energy Charges - (On Peak)	\$10,584.54	\$55,381.81		\$12,972.33		\$6,604.71			\$507,330.10
Energy Charges - (Replacement/Off Peak)									\$15,830.22
Net Congestion, Losses, FTR	\$1,795.28								\$29,815.68
Transmission Charges (Energy-Debits)									\$31,032.46
ESPP Charges					\$17,863.18				\$17,863.18
Bill Adjustments (General & Rate Levelization)								\$0.00	\$838.36
ENERGY CHARGES (-Credits or Adjustments):									
Energy Charges - On Peak (Sale or Rate Stabilization)									-\$6,808.27
Net Congestion, Losses, FTR									\$0.00
Bill Adjustments (General & Rate Levelization)	-\$3,035.62								-\$32,801.56
Sub-Total Energy Charges	\$9,344.20	\$55,381.81	\$0.00	\$12,972.33	\$17,863.18	\$6,604.71	\$0.00	\$0.00	\$563,100.17
TRANSMISSION & SERVICE CHARGES, MISC.:									
RPM / PJM Charges Capacity - (+Debit)						\$146,867.40			\$146,867.40
RPM / PJM Charges Capacity - (-Credit)									\$0.00
Service Fees AMP-Dispatch Center - (+Debit/-Credit)							\$800.38		\$800.38
Service Fees AMP-Part A - (+Debit/-Credit)							\$2,969.55		\$2,969.55
Service Fees AMP-Part B - (+Debit/-Credit)							\$9,839.99		\$9,839.99
Other Charges & Bill Adjustments - (+Debit/-Credit)									\$0.00
Sub-Total Service Fees & Other Charges	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$146,867.40	\$13,609.92	\$0.00	\$160,477.32
TOTAL - ALL COSTS OF PURCHASED POWER	\$11,627.07	\$119,771.10	\$1,352.10	\$12,972.33	\$17,863.18	\$267,693.39	\$13,609.92	\$0.00	\$1,210,058.88
								Verification Total ->	\$1,210,058.88
Purchased Power Resources - Cost per kWh->	\$0.021136	\$0.051384	\$0.084096	\$0.085000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.071754
									(Northern Pool Power - On-Peak + Off-Peak - Energy Charge/kWH) = JV2 Electric Service Rate ->
									(Northern Pool Power - On-Peak + Off-Peak - Energy Charge/kWH) = JV5 Electric Service Rate ->

**AMERICAN MUNICIPAL POWER, INC.**

1111 Schrock Rd, Suite 100

COLUMBUS, OHIO 43229

PHONE: (614) 540-1111

FAX: (614) 540-1078

INVOICE NUMBER: 194521**INVOICE DATE:** 9/14/2016**DUE DATE:** 9/29/2016**TOTAL AMOUNT DUE:** \$1,061,594.57**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 43545-0151PLEASE WRITE INVOICE NUMBER ON
REMITTANCE. MAKE CHECK PAYABLE TO AMP

Northern Power Pool Billing - August, 2016MUNICIPAL PEAK: 33,230 kW
TOTAL METERED ENERGY: 16,965,497 kWh

Total Power Charges:	\$780,291.26
Total Transmission Charges:	\$267,693.39
Total Other Charges:	\$13,609.92
Total Miscellaneous Charges:	\$0.00

GRAND TOTAL POWER INVOICE: **\$1,061,594.57**

****The Total Charges on this invoice may include a credit paid to the Municipal for power supply which was invoiced separately and repurchased by AMP for use as a Northern Power Pool Resource.****NOTE: PLEASE SEE ENCLOSED BACKUP FOR MORE DETAILED INFORMATION**

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

Wire or ACH Transfer Information :

Huntington National Bank

Columbus, Ohio

Account 0189-2204055

ABA: #044 000024

Notes:

Mailing Address :

AMP, Inc.

Dept. L614

Columbus, Oh 43260

DETAIL INFORMATION OF POWER CHARGES August , 2016

Napoleon

FOR THE MONTH OF:

August, 2016

Total Metered Load kWh:	16,965,497
Transmission Losses kWh:	-101,445
Distribution Losses kWh:	0
Total Energy Req. kWh:	16,864,052

TIME OF FENTS PEAK: 08/12/2016 @ H.E. 14:00
 TIME OF MUNICIPAL PEAK: 08/11/2016 @ H.E. 17:00
 TRANSMISSION PEAK: July, 2015

COINCIDENT PEAK kW:	32,382
MUNICIPAL PEAK kW:	33,230
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 *	211,956 kWh =	\$19,192.62
Transmission Credit:	\$2.391085	/ kW *	-12,400 kW =	-\$29,649.45
Capacity Credit:	\$5.033296	/ kW *	-12,400 kW =	-\$62,412.87
Subtotal	-\$0.179443	/ kWh *	211,956 kWh =	-\$38,034.13

Fremont - sched @ Fremont

Demand Charge:	\$4.691658	/ kW *	8,767 kW =	\$41,131.77
Energy Charge:	\$0.026034	/ kWh *	4,873,531 kWh =	\$126,875.79
Net Congestion, Losses, FTR:	\$0.002446	/ kWh *		\$11,918.91
Capacity Credit:	\$3.954587	/ kW *	-8,767 kW =	-\$34,669.86
Debt Service	\$5.050719	/ kW	8,767 kW	\$44,279.65
Adjustment for prior month:				\$8.62
Subtotal	\$0.038893	/ kWh *	4,873,531 kWh =	\$189,544.88

AMP Hydro CSW - Sched @ PJMC

Demand Charge:	\$5.186477	/ kW *	2,220 kW =	\$11,513.38
Energy Charge:	\$0.000179	/ kWh *	1,036,717 kWh =	\$185.79
Net Congestion, Losses, FTR:	\$0.002957	/ kWh *		\$3,065.24
Capacity Credit:	\$0.909534	/ kW *	-2,220 kW =	-\$2,019.06
Debt Service	\$62.066321	/ kW	2,220 kW	\$137,780.07
Board Approved Rate Levelization				\$12.87
REC Credit (Estimate)				-\$2,073.43
Subtotal	\$0.143207	/ kWh *	1,036,717 kWh =	\$148,464.86

Meldahl Hydro - Sched @ Meldahl Bus

Demand Charge:	\$8.198948	/ kW *	504 kW =	\$4,132.27
Energy Charge:	\$0.001346	/ kWh *	201,256 kWh =	\$270.95
Net Congestion, Losses, FTR:	\$0.003063	/ kWh *		\$616.48
Capacity Credit:	\$0.783036	/ kW *	-504 kW =	-\$394.65
Debt Service	\$30.592440	/ kW	504 kW	\$15,418.59
Board Approved Rate Levelization				-\$3,163.65
REC Credit (Estimate)				-\$402.51
Subtotal	\$0.081873	/ kWh *	201,256 kWh =	\$16,477.48

JV6 - Sched @ ATSI

Demand Charge:			300 kW	
Energy Charge:			16,078 kWh	
Transmission Credit:	\$0.392233	/ kW *	-300 kW =	-\$117.67
Capacity Credit:	\$0.355700	/ kW *	-300 kW =	-\$106.71
Subtotal	-\$0.013955	/ kWh *	16,078 kWh =	-\$224.38

Greenup Hydro - Sched @ Greenup Bus

Demand Charge:	\$4.018000	/ kW *	330 kW =	\$1,325.94
Energy Charge:	\$0.002930	/ kWh *	156,859 kWh =	\$459.56
Net Congestion, Losses, FTR:	\$0.002271	/ kWh *		\$356.19
Capacity Credit:	\$3.053545	/ kW *	-330 kW =	-\$1,007.67
Debt Service	\$13.810000	/ kW	330 kW	\$4,557.30
Board Approved Rate Levelization				\$3,855.25
REC Credit (Estimate)				-\$313.72
Subtotal	\$0.058861	/ kWh *	156,859 kWh =	\$9,232.85

Prairie State - Sched @ PJMC

Demand Charge:	\$11.826988	/ kW *	4,976 kW =	\$58,851.09
Energy Charge:	\$0.011531	/ kWh *	2,879,473 kWh =	\$33,203.93
Net Congestion, Losses, FTR:	\$0.002781	/ kWh *		\$8,009.14
Capacity Credit:	\$3.564045	/ kW *	-4,976 kW =	-\$17,734.69
Debt Service	\$19.994180	/ kW	4,976 kW	\$99,491.04
Transmission from PSEC to PJM/MISO, including non-Prairie State variable charges/credits	\$0.010777	/ kWh	2,879,473 kWh	\$31,032.46
Board Approved Rate Levelization				-\$26,976.28
Subtotal	\$0.064552	/ kWh *	2,879,473 kWh =	\$185,876.69

NYPA - Sched @ NYIS

Demand Charge:	\$7.261909	/ kW *	922 kW =	\$6,695.48
Energy Charge:	\$0.019241	/ kWh *	550,111 kWh =	\$10,584.54
Net Congestion, Losses, FTR:	\$0.003263	/ kWh *		\$1,795.28
Capacity Credit:	\$4.664493	/ kW *	-946 kW =	-\$4,412.61
Adjustment for prior month:				-\$3,035.62
Subtotal	\$0.021136	/ kWh *	550,111 kWh =	\$11,627.07

JV5 - 7X24 @ ATSI

Demand Charge:			3,088 kW	
Energy Charge:			2,297,472 kWh	
Transmission Credit:	\$3.769430	/ kW *	-3,088 kW =	-\$11,640.00
Capacity Credit:	\$4.700194	/ kW *	-3,088 kW =	-\$14,514.20
Subtotal	-\$0.011384	/ kWh *	2,297,472 kWh =	-\$26,154.20

JV5 Losses - Sched @ ATSI

Energy Charge:			33,428 kWh	
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DETAIL INFORMATION OF POWER CHARGES August , 2016

Napoleon

	<i>Subtotal</i>	<i>#N/A</i>	<i>/ kWh *</i>		
JV2 - Sched @ ATSI				33,428 kWh =	\$0.00
Demand Charge:				264 kW	
Energy Charge:	\$0.060012	/ kWh *		3,124 kWh =	\$187.48
Transmission Credit:	\$2.054735	/ kW *		-264 kW =	-\$542.45
Capacity Credit:	\$5.634015	/ kW *		-264 kW =	-\$1,487.38
Subtotal	-\$0.589732	/ kWh *		3,124 kWh =	-\$1,842.35
AMP Solar Phase I - Sched @ ATSI					
Demand Charge:				1,040 kW	
Energy Charge:	\$0.085000	/ kWh *		152,616 kWh =	\$12,972.33
Subtotal	\$0.085000	/ kWh *		152,616 kWh =	\$12,972.33
Morgan Stanley 2015-2020 - 7x24 @ AD					
Demand Charge:				3,800 kW	
Energy Charge:	\$0.062950	/ kWh *		2,827,200 kWh =	\$177,972.24
Net Congestion, Losses, FTR:	\$0.001434	/ kWh *			\$4,054.44
Subtotal	\$0.064384	/ kWh *		2,827,200 kWh =	\$182,026.68
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)	\$0.047161	/ kWh *		1,345,132 kWh =	\$63,438.35
Off Peak Energy Charge:	\$0.030590	/ kWh *		517,501 kWh =	\$15,830.22
Sale of Excess Non-Pool Resources to Pool	\$0.028558	/ kWh *		-238,403 kWh =	-\$6,808.27
Subtotal	\$0.044612	/ kWh *		1,624,230 kWh =	\$72,460.30
Total Demand Charges:					\$279,302.88
Total Energy Charges:					\$500,988.38
Total Power Charges:				16,864,052 kWh	\$780,291.26
TRANSMISSION CHARGES:					
Demand Charge:	\$3.769430	/ kW *		30,302 kW =	\$114,221.28
Energy Charge:	\$0.000453	/ kWh *		14,566,580 kWh =	\$6,604.71
RPM (Capacity) Charges:	\$4.942900	/ kW *		29,713 kW =	\$146,867.40
TOTAL TRANSMISSION CHARGES:	\$0.018377	/ kWh *		14,566,580 kWh =	\$267,693.39
Dispatch Center Charges:	\$0.000047	/ kWh *		16,965,497 kWh =	\$800.38
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 *		16,965,497 kWh =	\$9,839.99
TOTAL OTHER CHARGES:					\$13,609.92
GRAND TOTAL POWER INVOICE:					\$1,061,594.57

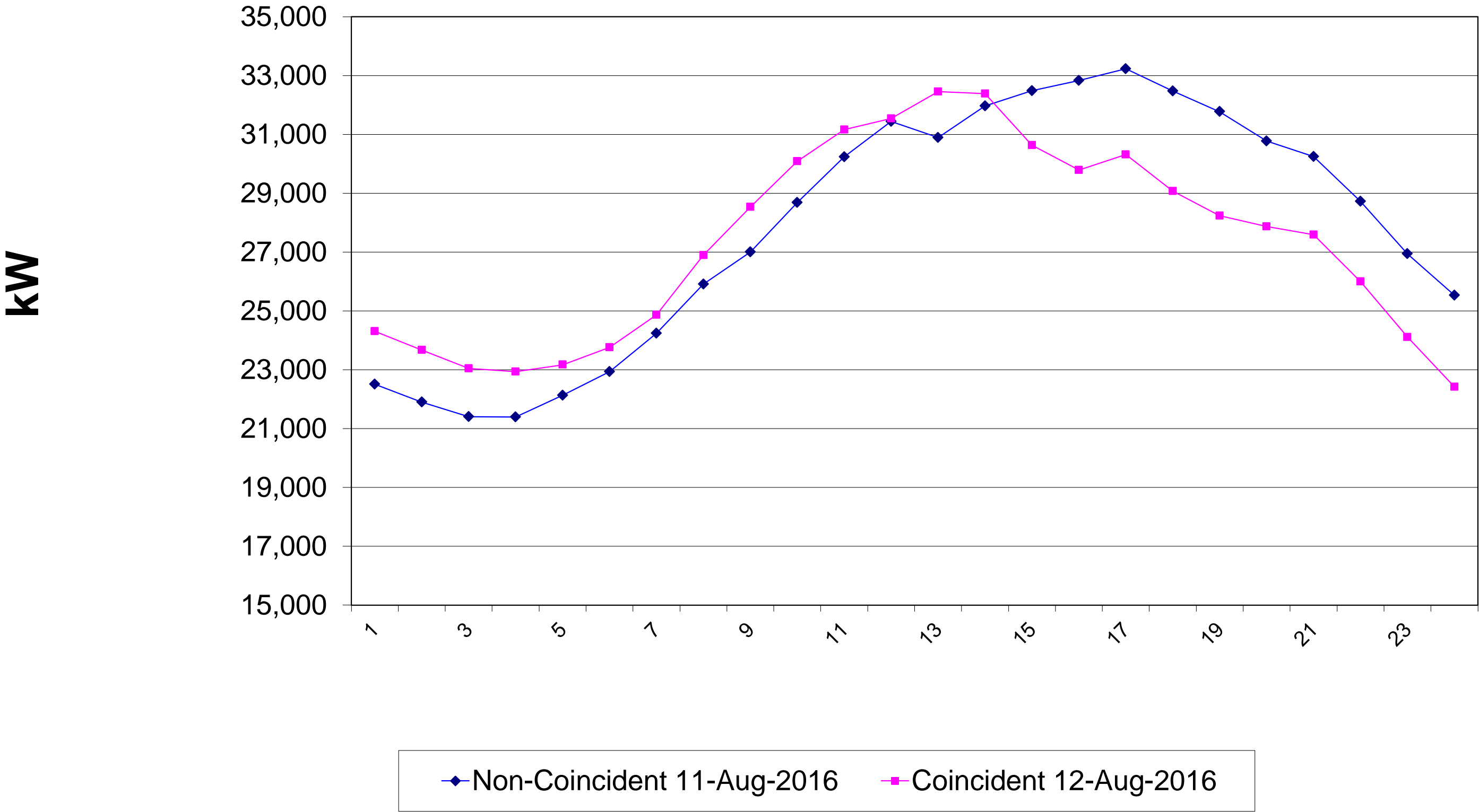
Napoleon Capacity Plan - Actual											
Aug 2016		ACTUAL DEMAND = 33.230 MW									
Days 31		ACTUAL ENERGY = 16,965 MWH									
	SOURCE (1)	DEMAND MW (2)	ENERGY MWH (4)	LOAD FACTOR (5)	DEMAND RATE \$/KW (6)	ENERGY RATE \$/MWH (7)	DEMAND CHARGE (9)	ENERGY CHARGE (10)	TOTAL CHARGES (11)	EFFECTIVE RATE \$/MWH (12)	% OF DOLLARS (13)
1	NPP Pool Purchases	0.00	1,863	0%	\$0.00	\$42.56	\$0	\$79,269	\$79,269	\$42.56	6.6%
2	NPP Pool Sales	0.00	-238	0%	\$0.00	\$28.56	\$0	-\$6,808	-\$6,808	\$28.56	-0.6%
3	AFEC	8.77	4,874	75%	\$5.79	\$28.48	\$50,750	\$138,795	\$189,545	\$38.89	15.7%
4	Prairie State	4.98	2,879	78%	\$22.84	\$25.09	\$113,631	\$72,246	\$185,877	\$64.55	15.4%
5	NYP&A - Ohio	0.92	550	80%	-\$0.82	\$22.50	-\$753	\$12,380	\$11,627	\$21.14	1.0%
6	JV5	3.09	2,297	100%	\$20.91	\$24.03	\$64,561	\$55,211	\$119,771	\$52.13	9.9%
7	JV5 Losses	0.00	33	0%	\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%
8	AMP-Hydro	2.22	1,037	63%	\$65.42	\$3.14	\$145,214	\$3,251	\$148,465	\$143.21	12.3%
9	Meldahl	0.50	201	54%	\$30.93	\$4.41	\$15,590	\$887	\$16,477	\$81.87	1.4%
10	Greenup	0.33	157	64%	\$25.51	\$5.20	\$8,417	\$816	\$9,233	\$58.86	0.8%
11	JV6	0.30	16	7%	\$4.51	\$0.00	\$1,352	\$0	\$1,352	\$84.09	0.1%
12	AMP Solar Phase I	1.04	153	20%	\$0.00	\$85.00	\$0	\$12,972	\$12,972	\$85.00	1.1%
13	Morgan Stanley 2015-2020 7x24	3.80	2,827	100%	\$0.00	\$64.38	\$0	\$182,027	\$182,027	\$64.38	15.1%
14	AMPCT	12.40	212	2%	-\$4.62	\$90.55	-\$57,227	\$19,193	-\$38,034	-\$179.44	-3.2%
15	JV2	0.26	3	2%	-\$4.04	\$60.01	-\$1,067	\$187	-\$880	-\$281.63	-0.1%
	POWER TOTAL	38.61	16,864	59%			\$340,468	\$570,424	\$910,892	\$54.01	75.5%
16	Energy Efficiency		0		\$0.00	\$0.00	\$0	\$17,863	\$17,863	\$0.00	1.5%
17	Installed Capacity	29.71			\$4.94		\$146,867	\$0	\$146,867	\$8.66	12.2%
18	TRANSMISSION	30.30	14,567		\$3.77	\$0.45	\$114,221	\$6,605	\$120,826	\$7.12	10.0%
19	Distribution Charge	33.23			\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%
20	Service Fee B		16,965			\$0.58		\$9,840	\$9,840	\$0.58	0.8%
21	Dispatch Charge		16,965			\$0.05		\$800	\$800	\$0.05	0.1%
	OTHER TOTAL						\$261,089	\$35,108	\$296,197	\$17.46	24.5%
	GRAND TOTAL PURCHASED		16,864				\$601,557	\$605,532	\$1,207,089		
	Delivered to members	33.230	16,965	69%			\$601,557	\$605,532	\$1,207,089	\$71.15	100.0%
		DEMAND	ENERGY	L.F.					TOTAL \$	\$/MWh	Avg Temp
	2016 Forecast	30.50	15,115	67%					\$1,220,467	\$80.75	71.5
	2015 Actual	30.34	15,396	68%					\$1,032,987	\$67.09	69.9
	2014 Actual	30.42	15,075	67%					\$977,350	\$64.83	71.2
									Actual Temp		77.8

NAPOLEON

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Date	8/1/2016	8/2/2016	8/3/2016	8/4/2016	8/5/2016	8/6/2016	8/7/2016	8/8/2016	8/9/2016	8/10/2016	8/11/2016	8/12/2016	8/13/2016	8/14/2016	8/15/2016
Hour															
100	18,608	19,432	20,178	20,101	21,766	18,186	16,566	18,449	19,062	21,975	22,507	24,312	21,532	17,816	18,826
200	18,251	18,824	19,369	19,216	20,834	17,273	15,749	18,101	18,099	21,147	21,899	23,670	20,853	17,072	18,555
300	17,825	18,240	18,610	18,521	20,075	16,618	15,304	17,761	17,484	20,408	21,405	23,041	20,317	16,237	18,148
400	17,817	18,494	18,570	18,530	19,989	16,380	15,253	17,948	18,092	20,388	21,391	22,935	20,110	15,725	18,369
500	18,602	19,269	19,304	19,361	20,602	16,401	15,355	18,582	18,999	21,001	22,134	23,169	20,040	15,791	19,259
600	19,195	19,614	19,797	19,757	21,020	16,553	15,371	19,136	19,694	21,604	22,940	23,762	20,412	15,799	20,405
700	20,377	20,995	21,178	20,925	22,071	17,243	15,481	20,282	20,875	23,098	24,239	24,869	20,769	16,188	21,700
800	22,200	23,050	22,905	22,874	24,127	18,801	16,350	21,819	22,493	24,896	25,912	26,897	22,263	17,394	23,062
900	23,798	24,574	24,319	24,161	25,975	20,121	17,441	23,435	23,951	26,612	27,006	28,534	23,260	18,422	23,790
1000	25,051	25,923	25,834	25,605	27,221	21,155	18,882	24,512	25,566	28,330	28,685	30,088	23,798	19,451	24,346
1100	25,961	26,936	26,915	27,149	28,103	21,665	20,080	25,256	26,741	30,036	30,235	31,161	24,675	20,444	24,360
1200	26,898	28,196	28,060	28,659	28,065	22,442	21,128	25,983	28,326	31,286	31,440	31,541	25,466	21,529	24,619
1300	27,967	29,042	29,147	29,896	28,062	22,922	21,739	26,718	29,460	31,786	30,892	32,454	25,365	22,344	24,698
1400	28,130	29,241	29,785	30,522	28,759	23,543	21,962	26,732	30,182	32,278	31,968	32,382	24,161	22,920	24,736
1500	28,187	29,760	30,221	30,788	29,168	23,290	23,015	27,025	30,493	32,132	32,481	30,631	23,676	23,369	24,646
1600	28,272	29,719	30,351	31,232	30,498	23,811	23,365	27,495	31,076	32,345	32,828	29,789	23,266	23,592	24,868
1700	28,183	28,734	30,001	30,913	29,308	23,871	23,593	27,350	30,759	31,692	33,230	30,312	22,781	23,273	24,378
1800	28,028	28,645	29,547	30,403	28,523	23,643	23,590	27,216	30,509	31,220	32,470	29,070	22,294	22,612	24,163
1900	27,103	27,878	28,571	29,415	27,847	22,971	23,075	26,569	29,546	29,470	31,771	28,240	21,935	21,881	23,500
2000	26,167	27,070	27,673	28,630	26,670	21,896	22,297	25,431	28,556	28,715	30,769	27,871	21,700	22,134	23,637
2100	25,677	26,792	27,087	28,233	26,501	21,688	22,398	25,155	28,265	28,520	30,243	27,586	22,291	22,441	23,375
2200	23,960	24,940	24,960	26,408	24,365	20,580	21,374	23,370	26,646	26,540	28,725	26,002	21,456	21,525	22,202
2300	22,127	22,834	22,916	24,678	21,761	18,975	20,426	21,597	24,876	24,942	26,938	24,109	20,080	20,569	21,289
2400	20,871	21,375	21,415	23,104	19,602	17,590	19,171	20,381	23,474	23,683	25,532	22,419	18,816	19,524	20,596
Total	569,255	589,577	596,713	609,081	581,310	487,618	468,965	556,303	603,224	644,104	667,640	654,844	531,316	478,052	537,527

	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday
Date	8/16/2016	8/17/2016	8/18/2016	8/19/2016	8/20/2016	8/21/2016	8/22/2016	8/23/2016	8/24/2016	8/25/2016	8/26/2016	8/27/2016	8/28/2016	8/29/2016	8/30/2016	8/31/2016
Hour																
100	19,916	19,862	18,628	18,810	17,904	16,659	15,538	16,690	17,510	19,005	19,972	17,697	16,517	17,859	18,422	19,050
200	19,545	19,218	18,324	18,071	17,377	15,877	15,478	16,277	17,104	18,458	19,307	17,040	15,960	17,651	17,787	18,574
300	18,919	18,502	17,600	17,629	16,812	15,339	15,140	15,973	16,731	18,195	18,454	16,543	15,603	17,402	17,344	18,055
400	19,141	18,639	17,826	17,711	16,630	15,038	15,142	16,140	16,784	18,250	18,286	16,496	15,448	17,292	17,288	18,031
500	19,831	19,494	18,335	18,348	16,772	14,924	16,096	16,746	17,621	19,077	18,769	16,587	15,510	18,330	18,018	18,918
600	20,935	20,511	19,165	19,203	16,980	15,037	17,095	17,537	18,809	20,262	19,683	16,984	15,743	19,861	19,120	20,521
700	22,162	21,472	20,034	20,294	17,409	15,030	17,892	18,225	19,605	21,324	20,648	17,374	16,049	21,157	20,170	21,995
800	23,528	22,831	21,812	21,911	19,051	16,096	19,227	19,395	20,634	22,378	22,096	18,669	17,551	22,686	21,352	22,695
900	23,973	23,325	23,163	23,516	20,739	16,942	19,961	20,230	21,588	23,370	23,174	19,961	19,236	24,005	22,531	23,178
1000	24,880	24,155	24,152	24,956	22,297	17,696	20,749	21,281	22,769	24,754	24,151	21,251	20,933	24,970	23,634	23,966
1100	25,345	24,936	25,475	25,647	23,063	18,476	21,149	21,787	23,824	25,654	24,912	22,671	21,910	25,952	24,646	24,442
1200	25,576	25,878	26,745	26,716	23,757	18,918	21,599	22,444	24,785	26,873	25,804	24,126	22,919	26,608	25,840	24,908
1300	26,185	26,748	27,682	27,666	23,834	18,947	21,998	23,306	25,449	28,106	26,009	24,526	24,589	27,527	26,925	25,571
1400	26,785	27,467	27,771	28,267	23,360	19,037	22,589	23,560	26,203	28,418	26,823	20,953	24,477	27,231	27,341	26,152
1500	26,485	27,627	27,370	27,998	22,628	19,707	22,694	23,958	26,259	29,070	26,888	20,645	24,152	27,986	28,085	26,976
1600	26,513	27,839	27,484	28,125	22,136	19,639	22,469	24,514	26,492	29,456	27,360	21,371	24,830	28,643	28,115	26,820
1700	26,725	27,649	27,197	27,427	21,585	19,857	22,473	24,080	26,046	29,025	27,444	21,356	24,802	29,124	27,432	25,734
1800	26,496	26,593	26,652	26,767	21,296	19,617	22,463	23,824	24,139	28,027	25,949	21,054	24,656	28,108	26,732	25,242
1900	25,551	24,741	25,692	25,688	20,530	19,223	21,997	23,172	22,692	26,914	24,628	20,660	23,750	27,012	26,159	24,103
2000	25,229	23,917	25,346	24,872	20,779	18,931	21,548	22,970	24,087	26,286	24,288	20,700	23,600	26,473	25,945	23,776
2100	25,136	23,491	24,955	24,730	20,835	18,684	21,138	22,602	23,420	25,594	23,686	20,462	22,599	25,394	24,775	22,864
2200	23,603	22,080	23,253	23,071	19,892	17,360	19,457	20,814	22,119	23,836	22,098	19,572	20,887	23,018	22,752	20,906
2300	21,839	20,722	21,401	20,678	18,604	16,671	18,303	19,222	20,760	22,198	20,575	18,479	19,908	21,140	21,175	19,320
2400	20,904	19,653	20,195	18,845	17,595	15,892	17,430	18,254	19,826	20,925	18,673	17,551	18,867	19,755	20,181	18,161
Total	565,202	537,697	556,257	556,946	481,865	419,597	469,625	493,001	525,256	575,455	549,677	472,728	490,496	565,184	551,769	539,958
											Maximum	33,230	Minimum	14,924	Grand Total	16,965,497

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: 194339

INVOICE DATE: 9/6/2016

DUE DATE: 9/16/2016

TOTAL AMOUNT DUE: \$962.53

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 -

August, 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			\$125.27

TOTAL CHARGES

\$962.53



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: 194419
INVOICE DATE: 9/6/2016
DUE DATE: 9/16/2016
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: August, 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):	\$0.024031	/ kWh *	2,297,472 kWh =	\$55,210.55
JV5 Fuel Cost (Actual Expense):	\$0.000000	/ kWh *	2,297,472 kWh =	\$0.00

TOTAL ENERGY CHARGES:	\$0.024031	/ kWh *	2,297,472 kWh =	\$55,210.55
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SUB-TOTAL				\$90,543.49
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Total OMEGA JV5 Invoice:				\$90,543.49
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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: 194461
INVOICE DATE: 9/6/2016
DUE DATE: 9/16/2016
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: **September, 2016**

Financing CHARGES:

Debt Service	\$17.934524	/ kW *	3,088 kW =	\$55,381.81
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Total OMEGA JV5 Financing Invoice:	\$55,381.81
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**AMERICAN MUNICIPAL POWER, INC.**

1111 Schrock Rd, Suite 100

COLUMBUS, OHIO 43229

PHONE: (614) 540-1111

FAX: (614) 540-1078

INVOICE NUMBER: 194479**INVOICE DATE:** 9/2/2016**DUE DATE:** 9/16/2016**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 2016Electric Fixed

300 kW * 5.25 per kW-Month

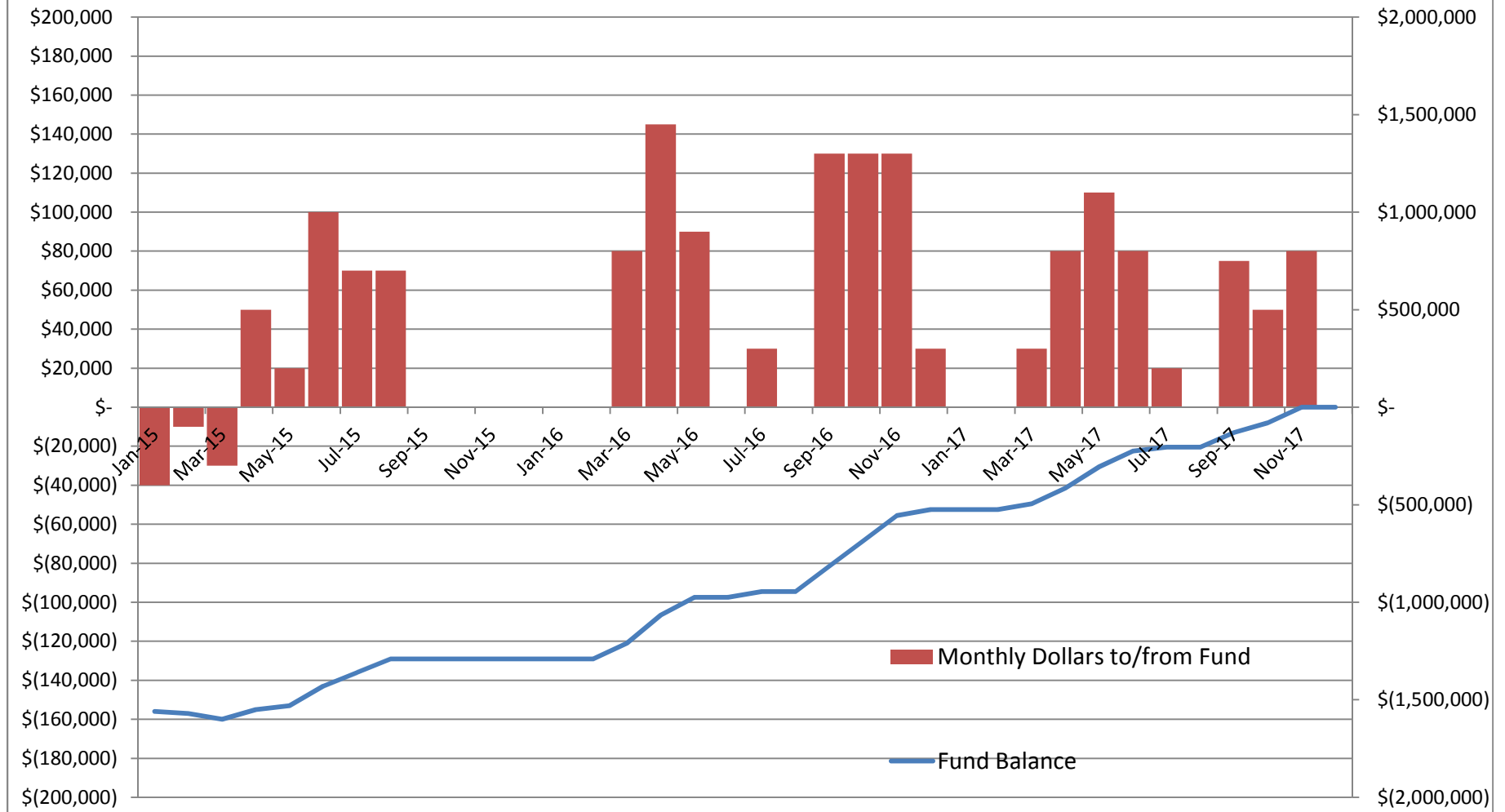
Total

September, 2016 - Electric Fixed \$1,576.48

AMOUNT DUE FOR :

TOTAL CHARGES**\$1,576.48**

Napoleon Rate Levelization Fund



ESTIMATED RATES

Month (1)	ENERGY	DOLLARS	Planned RATE	LOAN	NEW RATE	Original Plan	
Jan-15	14,919	\$ 1,007,996.28	\$67.56	\$ (40,000.00)	\$ 70.24	\$ 72.62	\$(1,560,000)
Feb-15	13,980	\$ 947,420.46	\$67.77	\$ (10,000.00)	\$ 68.49	\$ 73.20	\$(1,570,000)
Mar-15	13,947	\$ 970,628.11	\$69.59	\$ (30,000.00)	\$ 71.74	\$ 73.14	\$(1,600,000)
Apr-15	12,241	\$ 933,160.43	\$76.23	\$ 50,000.00	\$ 72.15	\$ 72.87	\$(1,550,000)
May-15	12,796	\$ 898,066.11	\$70.18	\$ 20,000.00	\$ 68.62	\$ 72.57	\$(1,530,000)
Jun-15	13,790	\$ 1,013,218.80	\$73.48	\$ 100,000.00	\$ 66.23	\$ 73.09	\$(1,430,000)
Jul-15	15,117	\$ 1,045,633.62	\$69.17	\$ 70,000.00	\$ 64.54	\$ 73.18	\$(1,360,000)
Aug-15	15,396	\$ 1,032,987.14	\$67.09	\$ 70,000.00	\$ 62.55	\$ 73.64	\$(1,290,000)
Sep-15	14,322	\$ 1,017,327.44	\$71.03	\$ -	\$ 71.03	\$ 73.26	\$(1,290,000)
Oct-15	13,525	\$ 949,998.43	\$70.24	\$ -	\$ 70.24	\$ 73.64	\$(1,290,000)
Nov-15	13,117	\$ 936,371.59	\$71.39	\$ -	\$ 71.39	\$ 73.26	\$(1,290,000)
Dec-15	13,676	\$ 939,378.70	\$68.69	\$ -	\$ 68.69	\$ 73.42	\$(1,290,000)
Jan-16	14,876	\$ 1,057,567.82	\$71.09	\$ -	\$ 71.09	\$ 72.65	\$(1,290,000)
Feb-16	13,387	\$ 1,011,802.72	\$75.58	\$ -	\$ 75.58	\$ 72.69	\$(1,290,000)
Mar-16	12,996	\$ 1,094,415.23	\$84.21	\$ 80,000.00	\$ 78.05	\$ 71.84	\$(1,210,000)
Apr-16	12,194	\$ 1,040,059.84	\$85.29	\$ 145,000.00	\$ 73.40	\$ 73.10	\$(1,065,000)
May-16	12,643	\$ 1,063,980.84	\$84.16	\$ 90,000.00	\$ 77.04	\$ 72.84	\$ (975,000)
Jun-16	13,893	\$ 1,064,648.64	\$76.63		\$ 76.63	\$ 73.77	\$ (975,000)
Jul-16	14,921	\$ 1,167,580.00	\$78.25	\$ 30,000.00	\$ 76.24	\$ 73.03	\$ (945,000)
Aug-16	16,965	\$ 1,207,089.33	\$71.15		\$ 71.15	\$ 71.79	\$ (945,000)
Sep-16	12,985	\$ 1,138,474.15	\$87.68	\$ 130,000.00	\$ 77.67	\$ 73.51	\$ (815,000)
Oct-16	13,259	\$ 1,199,605.91	\$90.48	\$ 130,000.00	\$ 80.67	\$ 75.53	\$ (685,000)
Nov-16	13,444	\$ 1,188,186.56	\$88.38	\$ 130,000.00	\$ 78.71	\$ 77.41	\$ (555,000)
Dec-16	14,456	\$ 1,212,222.62	\$83.86	\$ 30,000.00	\$ 81.78	\$ 73.80	\$ (525,000)
Jan-17	14,918	\$ 1,170,900.82	\$78.49		\$ 78.49		\$ (525,000)
Feb-17	13,477	\$ 1,089,755.90	\$80.86		\$ 80.86		\$ (525,000)
Mar-17	13,325	\$ 1,122,708.18	\$84.25	\$ 30,000.00	\$ 82.00		\$ (495,000)
Apr-17	12,272	\$ 1,096,931.75	\$89.39	\$ 80,000.00	\$ 82.87		\$ (415,000)
May-17	12,796	\$ 1,165,953.70	\$91.12	\$ 110,000.00	\$ 82.52		\$ (305,000)
Jun-17	13,935	\$ 1,247,010.90	\$89.49	\$ 80,000.00	\$ 83.75		\$ (225,000)
Jul-17	15,268	\$ 1,338,482.03	\$87.66	\$ 20,000.00	\$ 86.35		\$ (205,000)
Aug-17	15,550	\$ 1,311,688.01	\$84.35		\$ 84.35		\$ (205,000)
Sep-17	13,783	\$ 1,213,953.00	\$88.07	\$ 75,000.00	\$ 82.63		\$ (130,000)
Oct-17	13,641	\$ 1,242,969.74	\$91.12	\$ 50,000.00	\$ 87.46		\$ (80,000)
Nov-17	13,389	\$ 1,230,562.33	\$91.91	\$ 80,000.00	\$ 85.93		\$ -
Dec-17	14,150	\$ 1,241,028.01	\$87.70		\$ 87.70		\$ -

(1) Month means month of power delivery \$ -

(2) Negative means payment from Municipality to AMP

December 2016 payment is estimated. Actual payment will include true-up to fully reimburse AMP for principal and carrying charges.

\$ 499,402 \$ 36,664,925.32 \$73.29

BILLING SUMMARY AND CONSUMPTION for BILLING CYCLE - OCTOBER, 2016

OCTOBER, 2016

2016 - OCTOBER BILLING WITH SEPTEMBER 2016 DATA BILLING UNITS

		Sep-16					Cost / kWh	Oct-15				Nov-15			
Class and/or Schedule	Rate Code	# of Bills	Sep-16 (kWh Usage)	Sep-16 Billed	Billed kVa of Demand	Cost / kWh For Month	Prior 12 Mo Average	# of Bills	Oct-15 (kWh Usage)	Oct-15 Billed	Cost / kWh For Month	# of Bills	Nov-15 (kWh Usage)	Nov-15 Billed	Cost / kWh For Month
Residential (Dom-In)	E1	3,339	3,439,128	\$405,561.66	0	\$0.1179	\$0.1086	3,342	2,616,403	\$258,762.94	\$0.0989	3,344	1,988,662	\$204,893.24	\$0.1030
Residential (Dom-In) w/Ecosmart	E1E	9	7,961	\$946.73	0	\$0.1189	\$0.1112	10	6,667	\$668.28	\$0.1002	10	4,698	\$496.63	\$0.1057
Residential (Dom-In - All Electric)	E2	608	519,149	\$61,850.34	0	\$0.1191	\$0.1060	611	420,610	\$42,035.32	\$0.0999	611	341,222	\$35,380.27	\$0.1037
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	1	1,026	\$121.06	0	\$0.1180	\$0.1085	1	889	\$87.10	\$0.0980	1	781	\$78.58	\$0.1006
Total Residential (Domestic)		3,957	3,967,264	\$468,479.79	0	\$0.1181	\$0.1081	3,964	3,044,569	\$301,553.64	\$0.0990	3,966	2,335,363	\$240,848.72	\$0.1031
Residential (Rural-Out)	ER1	760	984,416	\$122,587.50	0	\$0.1245	\$0.1139	751	785,000	\$82,819.91	\$0.1055	754	599,673	\$66,098.28	\$0.1102
Residential (Rural-Out) w/Ecosmart	ER1E	4	3,422	\$440.00	0	\$0.1286	\$0.1182	4	2,854	\$313.96	\$0.1100	4	2,178	\$252.82	\$0.1161
Residential (Rural-Out - All Electric)	ER2	382	509,155	\$63,286.00	0	\$0.1243	\$0.1120	388	429,237	\$45,060.90	\$0.1050	386	347,574	\$37,798.14	\$0.1087
Res. (Rural-Out - All Electric) w/Ecosmart	ER2E	2	2,157	\$272.02	0	\$0.1261	\$0.1133	2	1,268	\$141.65	\$0.1117	2	1,369	\$153.67	\$0.1122
Residential (Rural-Out w/Dmd)	ER3	16	20,579	\$2,560.83	173	\$0.1244	\$0.1064	15	20,298	\$2,093.89	\$0.1032	15	18,711	\$1,972.49	\$0.1054
Residential (Rural-Out - All Electric w/Dmd)	ER4	9	9,466	\$1,195.61	61	\$0.1263	\$0.1100	9	8,917	\$945.17	\$0.1060	9	9,782	\$1,044.46	\$0.1068
Total Residential (Rural)		1,173	1,529,195	\$190,341.96	234	\$0.1245	\$0.1130	1,169	1,247,574	\$131,375.48	\$0.1053	1,170	979,287	\$107,319.86	\$0.1096
Commercial (1 Ph-In - No Dmd)	EC2	75	49,252	\$7,295.40	14	\$0.1481	\$0.1352	77	46,878	\$6,031.02	\$0.1287	74	44,720	\$5,835.07	\$0.1305
Commercial (1 Ph-Out - No Dmd)	EC2O	47	7,405	\$1,527.13	0	\$0.2062	\$0.1845	42	7,182	\$1,288.03	\$0.1793	43	6,331	\$1,218.01	\$0.1924
Total Commercial (1 Ph) No Dmd		122	56,657	\$8,822.53	14	\$0.1557	\$0.1421	119	54,060	\$7,319.05	\$0.1354	117	51,051	\$7,053.08	\$0.1382
Commercial (1 Ph-In - w/Demand)	EC1	258	402,789	\$57,034.99	1953	\$0.1416	\$0.1314	257	393,299	\$48,938.68	\$0.1244	255	350,282	\$44,482.88	\$0.1270
Commercial (1 Ph-Out - w/Demand)	EC1O	25	37,237	\$5,295.75	183	\$0.1422	\$0.1304	24	31,736	\$3,922.40	\$0.1236	24	29,420	\$3,757.18	\$0.1277
Total Commercial (1 Ph) w/Demand		283	440,026	\$62,330.74	2,136	\$0.1417	\$0.1313	281	425,035	\$52,861.08	\$0.1244	279	379,702	\$48,240.06	\$0.1270
Commercial (3 Ph-Out - No Dmd)	EC4O	2	40	\$41.20	7	\$1.0300	\$0.1361	2	40	\$40.37	\$1.0093	2	80	\$44.86	\$0.5608
Total Commercial (3 Ph) No Dmd		2	40	\$41.20	7	\$1.0300	\$0.1361	2	40	\$40.37	\$1.0093	2	80	\$44.86	\$0.5608
Commercial (3 Ph-In - w/Demand)	EC3	202	1,740,671	\$223,495.26	5834	\$0.1284	\$0.1160	207	1,964,197	\$210,975.13	\$0.1074	208	1,707,544	\$189,181.38	\$0.1108
Commercial (3 Ph-Out - w/Demand)	EC3O	40	412,439	\$52,282.08	1432	\$0.1268	\$0.1149	39	490,615	\$51,407.18	\$0.1048	39	396,941	\$44,312.51	\$0.1116
Commercial (3 Ph-In - w/Dmd.&Sub-St.Cr)	EC3S	0	0	\$0.00	0	\$0.0000	\$0.0999	2	186,840	\$18,491.86	\$0.0990	2	203,880	\$20,524.88	\$0.1007
Commercial (3 Ph-Out - w/Dmd.&Sub-St.Cr)	E3SO	3	145,680	\$17,795.85	561	\$0.1222	\$0.1083	3	225,600	\$21,815.93	\$0.0967	3	89,680	\$10,157.73	\$0.1133
Commercial (3 Ph-In - w/Demand, No Tax)	EC3T	1	4,800	\$637.44	23	\$0.1328	\$0.1187	1	4,720	\$498.23	\$0.1056	1	4,280	\$461.32	\$0.1078
Total Commercial (3 Ph) w/Demand		246	2,303,590	\$294,210.63	7,850	\$0.1277	\$0.1150	252	2,871,972	\$303,188.33	\$0.1056	253	2,402,325	\$264,637.82	\$0.1102
Large Power (In - w/Dmd & Rct)	EL1	21	3,037,231	\$311,034.61	6499	\$0.1024	\$0.0917	21	2,879,666	\$240,200.95	\$0.0834	21	2,689,846	\$229,516.76	\$0.0853
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	3	1,112,508	\$107,637.55	2151	\$0.0968	\$0.0844	1	919,537	\$66,154.60	\$0.0719	1	878,844	\$65,588.24	\$0.0746
Large Power (Out - w/Dmd & Rct, w/SbCr)	EL2O	1	451,200	\$45,502.92	960	\$0.1008	\$0.0932	1	296,400	\$27,432.02	\$0.0926	1	307,200	\$27,818.14	\$0.0906
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	77,094	\$18,053.44	741	\$0.2342	\$0.1306	2	78,359	\$12,388.66	\$0.1581	2	78,297	\$6,047.70	\$0.0772
Total Large Power		27	4,678,033	\$482,228.52	10,351	\$0.1031	\$0.0908	25	4,173,962	\$346,176.23	\$0.0829	25	3,954,187	\$328,970.84	\$0.0832
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	1	1,180,028	\$105,636.89	1985	\$0.0895	\$0.0790	1	1,179,109	\$83,199.02	\$0.0706	1	1,127,275	\$81,054.43	\$0.0719
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	1	1,067,043	\$94,185.61	1689	\$0.0883	\$0.0777	1	1,186,209	\$83,569.80	\$0.0705	1	1,158,099	\$83,221.66	\$0.0719
Total Industrial		2	2,247,071	\$199,822.50	3,674	\$0.0889	\$0.0784	2	2,365,318	\$166,768.82	\$0.0705	2	2,285,374	\$164,276.09	\$0.0719
Interdepartmental (In - No Dmd)	ED1	8	91,948	\$10,692.83	197	\$0.1163	\$0.1074	8	45,505	\$4,669.28	\$0.1026	8	32,267	\$3,472.77	\$0.1076
Interdepartmental (Out - No Dmd)	ED1O	0	0	\$0.00	0	\$0.0000	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000
Interdepartmental (Out - w/Dmd)	ED2O	2	924	\$144.21	0	\$0.1561	\$0.1661	2	961	\$128.94	\$0.1342	2	743	\$106.42	\$0.1432
Interdepartmental (In - w/Dmd)	ED2	27	26,097	\$3,716.02	0	\$0.1424	\$0.1233	27	22,259	\$2,753.37	\$0.1237	27	25,670	\$3,168.51	\$0.1234
Interdepartmental (3Ph-In - w/Dmd)	ED3	11	165,579	\$20,410.43	666	\$0.1233	\$0.1063	11	207,274	\$20,069.48	\$0.0968	11	161,092	\$16,726.53	\$0.1038
Interdepartmental (Street Lights)	EDSL	7	62,879	\$5,849.08	0	\$0.0930	\$0.0930	7	62,879	\$5,848.05	\$0.0930	7	62,879	\$5,849.08	\$0.0930
Interdepartmental (Traffic Signals)	EDTS	9	1,582	\$146.25	0	\$0.0924	\$0.0925	14	1,707	\$157.86	\$0.0925	14	1,820	\$168.31	\$0.0925
Generators (JV2 Power Cost Only)	GJV2	1	13,740	\$151.14	25	\$0.0110	\$0.0000	1	15,735	\$630.97	\$0.0401	1	17,347	\$621.37	\$0.0358
Generators (JV5 Power Cost Only)	GJV5	1	11,827	\$130.10	21	\$0.0110	\$0.0000	1	12,197	\$489.10	\$0.0401	1	11,408	\$408.63	\$0.0358
Total Interdepartmental		66	374,576	\$41,240.06	909	\$0.1101	\$0.0997	71	368,517	\$34,747.05	\$0.0943	71	313,226	\$30,521.62	\$0.0974
SUB-TOTAL CONSUMPTION & DEMAND		5,878	15,596,452	\$1,747,517.93	25,175	\$0.1120	\$0.1000	5,885	14,551,047	\$1,344,030.05	\$0.0924	5,885	12,700,595	\$1,191,912.95	\$0.0938
Street Lights (In)	SLO	16	0	\$12.99	0	\$0.0000	\$0.2332	15	0	\$13.59	\$0.0000	14	0	\$13.43	\$0.0000
Street Lights (Out)	SLOO	2	0	\$0.77	0	\$0.0000	\$0.0000	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000
Total Street Light Only		18	0	\$13.76	0	\$0.0000	\$0.2395	17	0	\$14.36	\$0.0000	16	0	\$14.20	\$0.0000
TOTAL CONSUMPTION & DEMAND		5,896	15,596,452	\$1,747,531.69	25,175	\$0.1120	\$0.1000	5,902	14,551,047	\$1,344,044.41	\$0.0924	5,901	12,700,595	\$1,191,927.15	\$0.0938

BILLING SUMMARY AND COA

OCTOBER, 2016

2016 - OCTOBER BILLING WITH SEPTEMBER 20

Class and/or Schedule	Rate Code	Dec-15 # of Bills	Dec-15 (kWh Usage)	Dec-15 Billed	Cost / kWh For Month	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
Residential (Dom-In)	E1	3,356	1,798,371	\$184,274.36	\$0.1025	3,336	1,861,416	\$195,822.68	\$0.1052	3,343	2,336,473	\$233,564.23	\$0.1000	3,345	2,347,687	\$244,491.10	\$0.1041
Residential (Dom-In) w/Ecosmart	E1E	10	4,126	\$436.57	\$0.1058	10	4,037	\$441.29	\$0.1093	9	4,542	\$469.07	\$0.1033	9	4,327	\$468.00	\$0.1082
Residential (Dom-In - All Electric)	E2	608	377,629	\$38,115.47	\$0.1009	603	469,722	\$47,982.01	\$0.1021	605	655,616	\$63,527.74	\$0.0969	608	756,980	\$76,046.71	\$0.1005
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	1	616	\$62.21	\$0.1010	1	481	\$51.43	\$0.1069	1	545	\$55.80	\$0.1024	1	597	\$63.13	\$0.1057
Total Residential (Domestic)		3,975	2,180,742	\$222,888.61	\$0.1022	3,950	2,335,656	\$244,297.41	\$0.1046	3,958	2,997,176	\$297,616.84	\$0.0993	3,963	3,109,591	\$321,068.94	\$0.1033
Residential (Rural-Out)	ER1	758	639,997	\$69,004.14	\$0.1078	756	692,545	\$76,216.42	\$0.1101	757	907,174	\$94,694.90	\$0.1044	759	875,454	\$95,412.70	\$0.1090
Residential (Rural-Out) w/Ecosmart	ER1E	4	2,380	\$268.56	\$0.1128	4	2,902	\$327.89	\$0.1130	4	3,834	\$408.52	\$0.1066	4	3,230	\$364.37	\$0.1128
Residential (Rural-Out - All Electric)	ER2	387	392,331	\$41,522.79	\$0.1058	383	425,593	\$46,020.44	\$0.1081	383	551,963	\$56,838.04	\$0.1030	384	587,960	\$62,814.15	\$0.1068
Res. (Rural-Out - All Electric) w/Ecosmart	ER2E	2	1,653	\$178.64	\$0.1081	2	2,005	\$218.79	\$0.1091	2	2,918	\$300.36	\$0.1029	2	2,960	\$317.12	\$0.1071
Residential (Rural-Out w/Dmd)	ER3	15	54,195	\$5,333.52	\$0.0984	16	98,686	\$9,894.24	\$0.1003	16	25,972	\$2,651.52	\$0.1021	16	30,157	\$3,181.29	\$0.1055
Residential (Rural-Out - All Electric w/Dmd)	ER4	9	28,708	\$2,837.96	\$0.0989	9	13,792	\$1,455.82	\$0.1056	9	10,004	\$1,051.19	\$0.1051	9	11,290	\$1,222.89	\$0.1083
Total Residential (Rural)		1,175	1,119,264	\$119,145.61	\$0.1064	1,170	1,235,523	\$134,133.60	\$0.1086	1,171	1,501,865	\$155,944.53	\$0.1038	1,174	1,511,051	\$163,312.52	\$0.1081
Commercial (1 Ph-In - No Dmd)	EC2	74	46,142	\$5,915.34	\$0.1282	74	43,794	\$5,800.34	\$0.1324	74	52,205	\$6,581.79	\$0.1261	75	53,648	\$6,982.89	\$0.1302
Commercial (1 Ph-Out - No Dmd)	EC2O	43	10,729	\$1,686.33	\$0.1572	43	8,154	\$1,432.14	\$0.1756	43	8,018	\$1,392.38	\$0.1737	43	8,383	\$1,468.25	\$0.1751
Total Commercial (1 Ph) No Dmd		117	56,871	\$7,601.67	\$0.1337	117	51,948	\$7,232.48	\$0.1392	117	60,223	\$7,974.17	\$0.1324	118	62,031	\$8,451.14	\$0.1362
Commercial (1 Ph-In - w/Demand)	EC1	255	279,725	\$37,007.69	\$0.1323	255	275,088	\$36,491.09	\$0.1327	256	306,848	\$38,364.05	\$0.1250	255	337,026	\$42,741.72	\$0.1268
Commercial (1 Ph-Out - w/Demand)	EC1O	24	25,782	\$3,300.75	\$0.1280	24	30,192	\$3,885.43	\$0.1287	24	36,267	\$4,391.42	\$0.1211	24	41,186	\$4,956.90	\$0.1204
Total Commercial (1 Ph) w/Demand		279	305,507	\$40,308.44	\$0.1319	279	305,280	\$40,376.52	\$0.1323	280	343,115	\$42,755.47	\$0.1246	279	378,212	\$47,698.62	\$0.1261
Commercial (3 Ph-Out - No Dmd)	EC4O	2	40	\$40.37	\$1.0093	2	15,040	\$1,719.24	\$0.1143	2	400	\$79.67	\$0.1992	2	1,000	\$149.48	\$0.1495
Total Commercial (3 Ph) No Dmd		2	40	\$40.37	\$1.0093	2	15,040	\$1,719.24	\$0.1143	2	400	\$79.67	\$0.1992	2	1,000	\$149.48	\$0.1495
Commercial (3 Ph-In - w/Demand)	EC3	206	1,511,932	\$165,693.78	\$0.1096	205	1,414,090	\$158,505.09	\$0.1121	205	1,396,306	\$152,228.19	\$0.1090	204	1,492,235	\$165,735.10	\$0.1111
Commercial (3 Ph-Out - w/Demand)	EC3O	39	556,051	\$58,181.67	\$0.1046	39	438,660	\$48,468.19	\$0.1105	39	355,628	\$38,994.81	\$0.1097	39	379,416	\$42,543.57	\$0.1121
Commercial (3 Ph-In - w/Dmd & Sub-St.Cr)	EC3S	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000
Commercial (3 Ph-Out - w/Dmd & Sub-St.Cr)	EC3SO	3	135,280	\$13,741.63	\$0.1016	3	137,480	\$14,239.58	\$0.1036	3	137,920	\$14,016.49	\$0.1016	3	149,800	\$15,798.47	\$0.1055
Commercial (3 Ph-In - w/Demand, No Tax)	EC3T	1	2,400	\$284.95	\$0.1187	1	1,840	\$211.56	\$0.1150	1	1,920	\$212.10	\$0.1105	1	2,160	\$242.85	\$0.1124
Total Commercial (3 Ph) w/Demand		249	2,205,663	\$237,902.03	\$0.1079	248	1,992,070	\$221,424.42	\$0.1112	248	1,891,774	\$205,451.59	\$0.1086	247	2,023,611	\$224,319.99	\$0.1109
Large Power (In - w/Dmd & Rct)	EL1	21	2,693,896	\$220,257.42	\$0.0818	21	2,403,640	\$211,797.66	\$0.0881	21	2,310,925	\$199,175.25	\$0.0862	21	2,561,160	\$221,085.42	\$0.0863
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	3	1,099,839	\$82,880.55	\$0.0754	3	994,472	\$79,375.27	\$0.0798	3	1,009,639	\$77,760.04	\$0.0770	3	1,042,283	\$84,501.97	\$0.0811
Large Power (Out - w/Dmd & Rct, w/SbCr)	EL2O	1	332,400	\$28,057.68	\$0.0844	1	295,200	\$26,076.76	\$0.0883	1	246,000	\$21,470.29	\$0.0873	1	322,800	\$28,467.29	\$0.0882
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	79,597	\$5,934.15	\$0.0746	2	70,607	\$7,256.69	\$0.1028	2	85,654	\$6,264.07	\$0.0731	2	85,512	\$6,619.24	\$0.0774
Total Large Power		27	4,205,732	\$337,129.80	\$0.0802	27	3,763,919	\$324,506.38	\$0.0862	27	3,652,218	\$304,669.65	\$0.0834	27	4,011,755	\$340,673.92	\$0.0849
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	1	1,206,433	\$83,318.08	\$0.0691	1	1,156,158	\$87,758.35	\$0.0759	1	957,122	\$74,102.43	\$0.0774	1	1,194,711	\$89,279.02	\$0.0747
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	1	1,128,579	\$79,886.73	\$0.0708	1	1,023,505	\$77,586.44	\$0.0758	1	896,274	\$67,913.52	\$0.0758	1	1,122,083	\$81,701.62	\$0.0728
Total Industrial		2	2,335,012	\$163,204.81	\$0.0699	2	2,179,663	\$165,344.79	\$0.0759	2	1,853,396	\$142,015.95	\$0.0766	2	2,316,794	\$170,980.64	\$0.0738
Interdepartmental (In - No Dmd)	ED1	8	34,464	\$3,802.92	\$0.1103	8	63,180	\$6,320.99	\$0.1000	8	79,167	\$7,560.57	\$0.0955	8	65,565	\$6,459.45	\$0.0985
Interdepartmental (Out - No Dmd)	ED1O	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000
Interdepartmental (Out - w/Dmd)	ED2O	2	327	\$59.81	\$0.1829	2	238	\$50.86	\$0.2137	2	240	\$50.36	\$0.2098	2	192	\$45.93	\$0.2392
Interdepartmental (In - w/Dmd)	ED2	29	36,570	\$4,336.96	\$0.1186	27	49,447	\$5,868.15	\$0.1187	27	77,462	\$8,762.54	\$0.1131	26	70,540	\$8,300.04	\$0.1177
Interdepartmental (3Ph-In - w/Dmd)	ED3	11	214,542	\$21,414.53	\$0.0998	11	205,612	\$21,129.50	\$0.1028	11	257,347	\$25,478.65	\$0.0990	11	306,526	\$30,656.81	\$0.1000
Interdepartmental (Street Lights)	EDSL	7	62,879	\$5,862.30	\$0.0932	7	62,879	\$5,850.15	\$0.0930	7	62,879	\$5,849.08	\$0.0930	7	62,879	\$5,849.08	\$0.0930
Interdepartmental (Traffic Signals)	EDTS	15	1,974	\$182.51	\$0.0925	15	1,837	\$169.84	\$0.0925	15	2,189	\$202.38	\$0.0925	11	1,916	\$177.17	\$0.0925
Generators (JV2 Power Cost Only)	GJV2	1	17,671	\$662.84	\$0.0375	1	19,199	\$676.19	\$0.0352	1	23,269	\$819.53	\$0.0352	1	21,905	\$781.57	\$0.0357
Generators (JV5 Power Cost Only)	GJV5	1	12,297	\$461.26	\$0.0375	1	13,204	\$465.04	\$0.0352	1	15,064	\$530.55	\$0.0352	1	16,067	\$573.27	\$0.0357
Total Interdepartmental		74	380,724	\$36,783.13	\$0.0966	72	415,596	\$40,530.72	\$0.0975	72	517,617	\$49,253.66	\$0.0952	67	545,590	\$52,843.32	\$0.0969
SUB-TOTAL CONSUMPTION & DEMAND		5,900	12,789,555	\$1,165,004.47	\$0.0911	5,867	12,294,695	\$1,179,565.56	\$0.0959	5,877	12,817,784	\$1,205,761.53	\$0.0941	5,879	13,959,635	\$1,329,498.57	\$0.0952
Street Lights (In)	SLO	15	0	\$13.59	\$0.0000	15	0	\$13.59	\$0.0000	15	0	\$13.59	\$0.0000	16	1,463	\$191.76	\$0.1311
Street Lights (Out)	SLOO	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000
Total Street Light Only		17	0	\$14.36	\$0.0000	17	0	\$14.36	\$0.0000	17	0	\$14.36	\$0.0000	18	1,463	\$192.53	\$0.1316
TOTAL CONSUMPTION & DEMAND		5,917	12,789,555	\$1,165,018.83	\$0.0911	5,884	12,294,695	\$1,179,579.92	\$0.0959	5,894	12,817,784	\$1,205,775.89	\$0.0941	5,897	13,961,098	\$1,329,691.10	\$0.0952

BILLING SUMMARY AND COMOCTOBER, 2016
2016 - OCTOBER BILLING WITH SEPTEMBER 20

Class and/or Schedule	Rate Code	Apr-16 # of Bills	Apr-16 (kWh Usage)	Apr-16 Billed	Cost / kWh For Month	May-16 # of Bills	May-16 (kWh Usage)	May-16 Billed	Cost / kWh For Month	Jun-16 # of Bills	Jun-16 (kWh Usage)	Jun-16 Billed	Cost / kWh For Month	Jul-16 # of Bills	Jul-16 (kWh Usage)	Jul-16 Billed	Cost / kWh For Month	Aug-16 # of Bills	Aug-16 (kWh Usage)
Residential (Dom-In)	E1	3,345	2,115,617	\$223,079.18	\$0.1054	3,328	1,745,478	\$196,444.14	\$0.1125	3,339	1,674,098	\$190,965.01	\$0.1141	3,340	2,133,169	\$248,418.37	\$0.1165	3,327	2,832,020
Residential (Dom-In) w/Ecosmart	E1E	9	3,918	\$429.97	\$0.1097	9	3,507	\$408.58	\$0.1165	9	3,414	\$402.55	\$0.1179	9	4,890	\$577.51	\$0.1181	9	7,000
Residential (Dom-In - All Electric)	E2	608	638,315	\$64,884.51	\$0.1016	610	457,976	\$49,954.20	\$0.1091	611	379,613	\$42,421.37	\$0.1117	613	381,668	\$44,540.19	\$0.1167	610	458,361
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	1	596	\$63.19	\$0.1060	1	511	\$57.67	\$0.1129	1	534	\$60.52	\$0.1133	1	692	\$80.09	\$0.1157	1	796
Total Residential (Domestic)		3,963	2,758,446	\$288,456.85	\$0.1046	3,948	2,207,472	\$246,864.59	\$0.1118	3,960	2,057,659	\$233,849.45	\$0.1136	3,963	2,520,419	\$293,616.16	\$0.1165	3,947	3,298,177
Residential (Rural-Out)	ER1	756	779,953	\$86,047.23	\$0.1103	752	663,486	\$77,716.74	\$0.1171	755	586,997	\$70,250.79	\$0.1197	757	712,526	\$87,201.53	\$0.1224	760	863,493
Residential (Rural-Out) w/Ecosmart	ER1E	4	2,546	\$296.42	\$0.1164	4	2,328	\$266.46	\$0.1230	4	1,833	\$235.87	\$0.1287	4	2,470	\$316.19	\$0.1280	4	3,000
Residential (Rural-Out - All Electric)	ER2	384	507,976	\$54,947.15	\$0.1082	383	427,039	\$49,004.46	\$0.1148	384	355,880	\$41,847.24	\$0.1176	383	380,642	\$46,371.53	\$0.1218	383	443,608
Res. (Rural-Out - All Electric) w/Ecosmart	ER2E	2	2,616	\$283.32	\$0.1083	2	1,902	\$221.22	\$0.1163	2	1,701	\$201.66	\$0.1186	2	1,606	\$199.48	\$0.1242	2	1,669
Residential (Rural-Out w/Dmd)	ER3	16	27,753	\$2,948.93	\$0.1063	16	21,910	\$2,475.80	\$0.1130	16	27,150	\$3,054.38	\$0.1125	16	19,858	\$2,377.56	\$0.1197	16	16,942
Residential (Rural-Out - All Electric w/Dmd)	ER4	9	9,995	\$1,096.12	\$0.1097	9	7,908	\$926.67	\$0.1172	9	7,392	\$879.39	\$0.1190	9	7,401	\$917.12	\$0.1239	9	8,540
Total Residential (Rural)		1,171	1,330,839	\$145,619.17	\$0.1094	1,166	1,124,573	\$130,631.35	\$0.1162	1,170	980,953	\$116,469.33	\$0.1187	1,171	1,124,503	\$137,383.41	\$0.1222	1,174	1,337,252
Commercial (1 Ph-In - No Dmd)	EC2	75	52,551	\$6,871.47	\$0.1308	75	45,379	\$6,290.63	\$0.1386	75	42,140	\$5,948.45	\$0.1412	72	47,338	\$6,768.08	\$0.1430	75	48,276
Commercial (1 Ph-Out - No Dmd)	EC2O	43	8,714	\$1,508.23	\$0.1731	43	6,659	\$1,308.66	\$0.1965	43	6,225	\$1,262.95	\$0.2029	46	6,906	\$1,415.05	\$0.2049	46	7,669
Total Commercial (1 Ph) No Dmd		118	61,265	\$8,379.70	\$0.1368	118	52,038	\$7,599.29	\$0.1460	118	48,365	\$7,211.40	\$0.1491	118	54,244	\$8,183.13	\$0.1509	121	55,945
Commercial (1 Ph-In - w/Demand)	EC1	255	300,781	\$39,283.01	\$0.1306	256	353,349	\$46,128.85	\$0.1305	257	339,056	\$39,544.56	\$0.1166	257	297,012	\$43,203.06	\$0.1455	258	352,786
Commercial (1 Ph-Out - w/Demand)	EC1O	24	36,470	\$4,539.18	\$0.1245	24	33,089	\$4,386.25	\$0.1326	24	29,990	\$4,043.76	\$0.1348	26	38,595	\$5,289.71	\$0.1371	25	30,982
Total Commercial (1 Ph) w/Demand		279	337,251	\$43,822.19	\$0.1299	280	386,438	\$50,515.10	\$0.1307	281	369,046	\$43,588.32	\$0.1181	283	335,607	\$48,492.77	\$0.1445	283	383,768
Commercial (3 Ph-Out - No Dmd)	EC4O	2	880	\$136.11	\$0.1547	2	400	\$83.56	\$0.2089	2	160	\$55.18	\$0.3449	2	40	\$41.00	\$1.0250	2	80
Total Commercial (3 Ph) No Dmd		2	880	\$136.11	\$0.1547	2	400	\$83.56	\$0.2089	2	160	\$55.18	\$0.3449	2	40	\$41.00	\$1.0250	2	80
Commercial (3 Ph-In - w/Demand)	EC3	201	1,330,300	\$150,670.14	\$0.1133	204	1,337,448	\$158,129.92	\$0.1182	202	1,281,048	\$154,525.82	\$0.1206	201	1,379,117	\$172,587.98	\$0.1251	203	1,595,241
Commercial (3 Ph-Out - w/Demand)	EC3O	39	336,543	\$38,541.02	\$0.1145	39	333,423	\$39,624.69	\$0.1188	39	286,219	\$35,062.05	\$0.1225	39	283,681	\$36,648.60	\$0.1292	39	317,778
Commercial (3 Ph-In - w/Dmd.&Sub-St.Cr)	EC3S	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0
Commercial (3 Ph-Out - w/Dmd.&Sub-St.Cr)	E3SO	3	131,080	\$13,890.07	\$0.1060	3	134,040	\$14,680.26	\$0.1095	3	127,640	\$14,187.89	\$0.1112	3	120,080	\$14,126.22	\$0.1176	3	139,680
Commercial (3 Ph-In - w/Demand, No Tax)	EC3T	1	2,120	\$240.01	\$0.1132	1	2,000	\$238.27	\$0.1191	1	2,040	\$245.05	\$0.1201	1	1,880	\$235.92	\$0.1255	1	3,120
Total Commercial (3 Ph) w/Demand		244	1,800,043	\$203,341.24	\$0.1130	247	1,806,911	\$212,673.14	\$0.1177	245	1,696,947	\$204,020.81	\$0.1202	244	1,784,758	\$223,598.72	\$0.1253	246	2,055,819
Large Power (In - w/Dmd & Rct)	EL1	21	2,385,374	\$216,220.16	\$0.0906	21	2,454,545	\$231,732.96	\$0.0944	21	2,477,658	\$236,532.65	\$0.0955	21	2,611,643	\$261,934.52	\$0.1003	21	2,731,809
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	3	807,206	\$67,444.50	\$0.0836	3	912,431	\$78,956.21	\$0.0865	3	919,793	\$83,363.79	\$0.0906	3	975,151	\$92,615.26	\$0.0950	3	921,926
Large Power (Out - w/Dmd & Rct, w/SbCr)	EL2O	1	338,400	\$30,419.43	\$0.0899	1	370,800	\$33,718.56	\$0.0909	1	366,000	\$34,899.72	\$0.0954	1	405,600	\$40,258.99	\$0.0993	1	398,400
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	72,927	\$6,016.76	\$0.0825	2	93,761	\$14,517.81	\$0.1548	2	58,685	\$7,385.30	\$0.1258	2	74,535	\$14,994.13	\$0.2012	2	75,019
Total Large Power		27	3,603,907	\$320,100.85	\$0.0888	27	3,831,537	\$358,925.54	\$0.0937	27	3,822,136	\$362,181.46	\$0.0948	27	4,066,929	\$409,802.90	\$0.1008	27	4,127,154
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	1	1,035,693	\$80,055.22	\$0.0773	1	1,030,712	\$85,857.58	\$0.0833	1	990,474	\$82,403.94	\$0.0832	1	989,828	\$87,858.45	\$0.0888	1	1,050,981
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	1	1,052,644	\$78,469.13	\$0.0745	1	990,465	\$79,362.02	\$0.0801	1	942,832	\$77,160.17	\$0.0818	1	1,001,560	\$85,009.44	\$0.0849	1	989,846
Total Industrial		2	2,088,337	\$158,524.35	\$0.0759	2	2,021,177	\$165,219.60	\$0.0817	2	1,933,306	\$159,564.11	\$0.0825	2	1,991,388	\$172,867.89	\$0.0868	2	2,040,827
Interdepartmental (In - No Dmd)	ED1	8	51,501	\$5,211.49	\$0.1012	8	42,349	\$4,637.84	\$0.1095	7	30,257	\$3,583.85	\$0.1184	7	37,530	\$4,545.42	\$0.1211	7	39,363
Interdepartmental (Out - No Dmd)	ED1O	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0
Interdepartmental (Out - w/Dmd)	ED2O	2	235	\$50.88	\$0.2165	2	368	\$67.89	\$0.1845	2	369	\$68.39	\$0.1853	2	624	\$102.05	\$0.1635	2	861
Interdepartmental (In - w/Dmd)	ED2	26	50,904	\$6,096.14	\$0.1198	26	41,532	\$5,247.09	\$0.1263	26	25,395	\$3,357.54	\$0.1322	30	23,144	\$3,251.87	\$0.1405	31	24,898
Interdepartmental (3Ph-In - w/Dmd)	ED3	11	251,871	\$26,080.07	\$0.1035	11	235,903	\$25,894.91	\$0.1098	11	187,202	\$20,851.55	\$0.1114	11	167,921	\$19,556.26	\$0.1165	11	174,247
Interdepartmental (Street Lights)	EDSL	7	62,879	\$5,850.15	\$0.0930	7	62,879	\$5,849.08	\$0.0930	7	62,879	\$5,849.08	\$0.0930	7	62,879	\$5,850.15	\$0.0930	7	62,879
Interdepartmental (Traffic Signals)	EDTS	9	1,771	\$163.74	\$0.0925	9	1,663	\$153.77	\$0.0925	9	1,557	\$143.97	\$0.0925	9	1,702	\$157.37	\$0.0925	9	1,649
Generators (JV2 Power Cost Only)	GJV2	1	18,065	\$265.01	\$0.0147	1	19,031	\$533.06	\$0.0280	1	17,254	\$308.85	\$0.0179	1	16,509	\$227.66	\$0.0138	1	14,549
Generators (JV5 Power Cost Only)	GJV5	1	13,192	\$193.53	\$0.0147	1	13,635	\$381.92	\$0.0280	1	10,693	\$191.40	\$0.0179	1	12,432	\$171.44	\$0.0138	1	11,829
Total Interdepartmental		65	450,418	\$42,993.93	\$0.0955	65	417,360	\$42,765.56	\$0.1025	64	335,606	\$34,354.63	\$0.1024	68	322,741	\$33,862.22	\$0.1049	69	330,275
SUB-TOTAL CONSUMPTION & DEMAND		5,871	12,431,386	\$1,211,374.39	\$0.0974	5,855	11,847,906	\$1,215,277.73	\$0.1026	5,869	11,244,178	\$1,161,294.69	\$0.1033	5,878	12,200,629	\$1,327,848.20	\$0.1088	5,871	13,629,297
Street Lights (In)	SLO	16	0	\$13.74	\$0.0000	16	0	\$13.74	\$0.0000	16	0	\$13.74	\$0.0000	16	0	\$13.73	\$0.0000	16	0
Street Lights (Out)	SLOO	2	0	\$0.76	\$0.0000	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000	2	0
Total Street Light Only		18	0	\$14.50	\$0.0000	18	0	\$14.51	\$0.0000	18	0	\$14.51	\$0.0000	18	0	\$14.50	\$0.0000	18	0
TOTAL CONSUMPTION & DEMAND		5,889	12,431,386	\$1,211,388.89	\$0.0974	5,873	11,847,906	\$1,215,292.24	\$0.1026	5,887	11,244,178	\$1,161,309.20	\$0.1033	5,896	12,200,629	\$1,327,862.70	\$0.1088	5,889	13,629,297

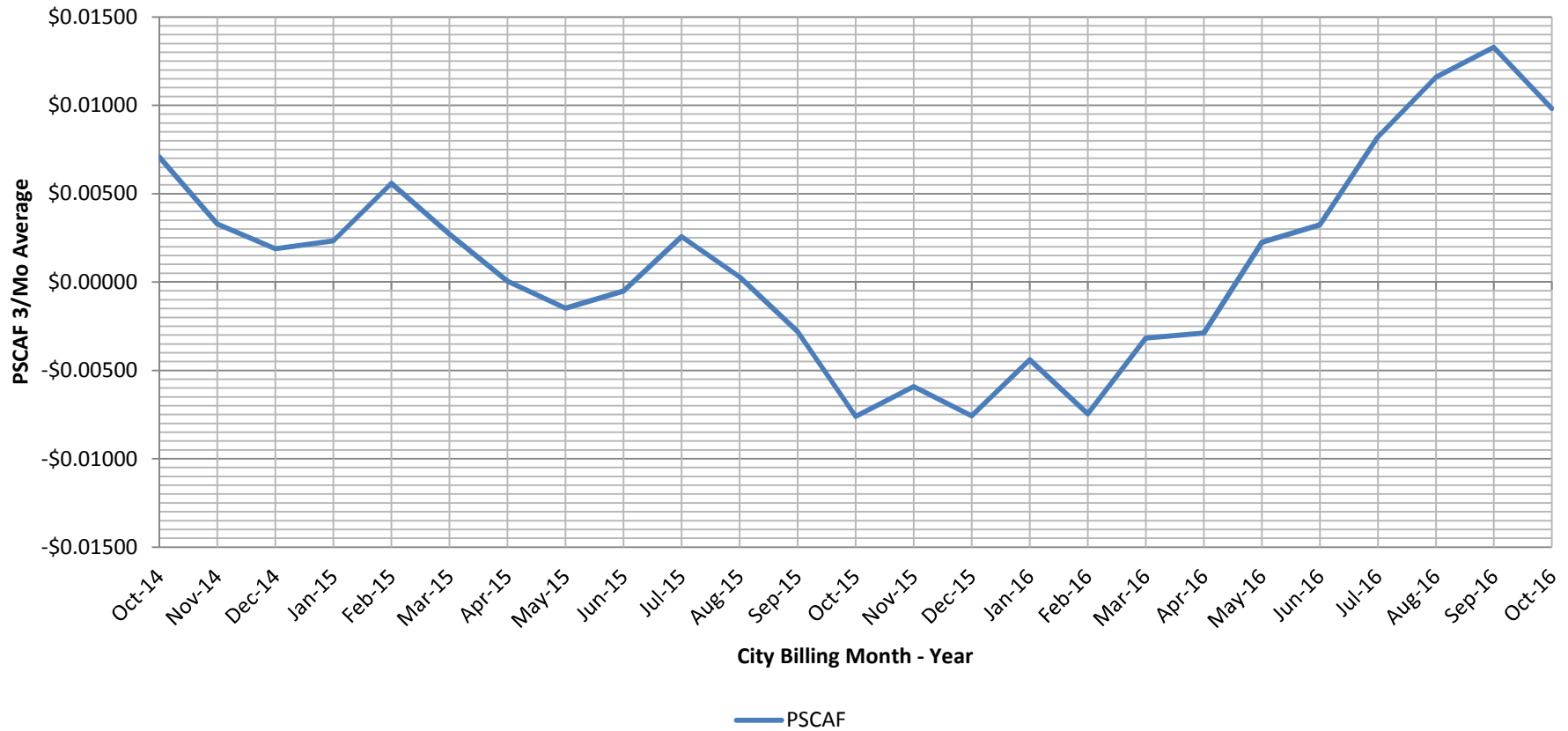
BILLING SUMMARY AND CON

OCTOBER, 2016

2016 - OCTOBER BILLING WITH SEPTEMBER 20

Class and/or Schedule	Rate Code	Aug-16 Billed	Cost / kWh For Month	Sep-16 # of Bills	Sep-16 (kWh Usage)	Sep-16 Billed	Cost / kWh For Month	TOTAL KWH USAGE PRIOR 12 MO	TOTAL BILLING PRIOR 12 MO	Avg.Cost Per kWh For Period	Avg.Num. of Bills For Period	Avg.Per.% of Bills For Period
Residential (Dom-In)	E1	\$332,693.75	\$0.1175	3,339	3,439,128	\$405,561.66	\$0.1179	26,888,522	\$2,918,970.66	\$0.1086	3,340	56.6759%
Residential (Dom-In) w/Ecosmart	E1E	\$827.07	\$0.1182	9	7,961	\$946.73	\$0.1189	59,087	\$6,572.25	\$0.1112	9	0.1584%
Residential (Dom-In - All Electric)	E2	\$54,279.87	\$0.1184	608	519,149	\$61,850.34	\$0.1191	5,856,861	\$621,018.00	\$0.1060	609	10.3302%
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	\$93.91	\$0.1180	1	1,026	\$121.06	\$0.1180	8,064	\$874.69	\$0.1085	1	0.0170%
Total Residential (Domestic)		\$387,894.60	\$0.1176	3,957	3,967,264	\$468,479.79	\$0.1181	32,812,534	\$3,547,435.60	\$0.1081	3,960	67.1813%
Residential (Rural-Out)	ER1	\$107,008.31	\$0.1239	760	984,416	\$122,587.50	\$0.1245	9,090,714	\$1,035,058.45	\$0.1139	756	12.8314%
Residential (Rural-Out) w/Ecosmart	ER1E	\$385.56	\$0.1285	4	3,422	\$440.00	\$0.1286	32,977	\$3,896.62	\$0.1182	4	0.0679%
Residential (Rural-Out - All Electric)	ER2	\$54,903.94	\$0.1238	382	509,155	\$63,286.00	\$0.1243	5,358,958	\$600,414.78	\$0.1120	384	6.5182%
Res. (Rural-Out - All Electric) w/Ecosmart	ER2E	\$212.18	\$0.1271	2	2,157	\$272.02	\$0.1261	23,824	\$2,700.11	\$0.1133	2	0.0339%
Residential (Rural-Out w/Dmd)	ER3	\$2,109.31	\$0.1245	16	20,579	\$2,560.83	\$0.1244	382,211	\$40,653.76	\$0.1064	16	0.2672%
Residential (Rural-Out - All Electric w/Dm	ER4	\$1,073.07	\$0.1257	9	9,466	\$1,195.61	\$0.1263	133,195	\$14,645.47	\$0.1100	9	0.1527%
Total Residential (Rural)		\$165,692.37	\$0.1239	1,173	1,529,195	\$190,341.96	\$0.1245	15,021,879	\$1,697,369.19	\$0.1130	1,171	19.8713%
Commercial (1 Ph-In - No Dmd)	EC2	\$7,085.12	\$0.1468	75	49,252	\$7,295.40	\$0.1481	572,323	\$77,405.60	\$0.1352	75	1.2655%
Commercial (1 Ph-Out - No Dmd)	EC2O	\$1,536.40	\$0.2003	47	7,405	\$1,527.13	\$0.2062	92,375	\$17,043.56	\$0.1845	44	0.7423%
Total Commercial (1 Ph) No Dmd		\$8,621.52	\$0.1541	122	56,657	\$8,822.53	\$0.1557	664,698	\$94,449.16	\$0.1421	118	2.0078%
Commercial (1 Ph-In - w/Demand)	EC1	\$50,743.54	\$0.1438	258	402,789	\$57,034.99	\$0.1416	3,988,041	\$523,964.12	\$0.1314	256	4.3464%
Commercial (1 Ph-Out - w/Demand)	EC1O	\$4,512.62	\$0.1457	25	37,237	\$5,295.75	\$0.1422	400,946	\$52,281.35	\$0.1304	24	0.4129%
Total Commercial (1 Ph) w/Demand		\$55,256.16	\$0.1440	283	440,026	\$62,330.74	\$0.1417	4,388,987	\$576,245.47	\$0.1313	281	4.7593%
Commercial (3 Ph-Out - No Dmd)	EC4O	\$46.26	\$0.5783	2	40	\$41.20	\$1.0300	18,200	\$2,477.30	\$0.1361	2	0.0339%
Total Commercial (3 Ph) No Dmd		\$46.26	\$0.5783	2	40	\$41.20	\$1.0300	18,200	\$2,477.30	\$0.1361	2	0.0339%
Commercial (3 Ph-In - w/Demand)	EC3	\$203,673.47	\$0.1277	202	1,740,671	\$223,495.26	\$0.1284	18,150,129	\$2,105,401.26	\$0.1160	204	3.4613%
Commercial (3 Ph-Out - w/Demand)	EC3O	\$41,164.85	\$0.1295	40	412,439	\$52,282.08	\$0.1268	4,587,394	\$527,231.22	\$0.1149	39	0.6631%
Commercial (3 Ph-In - w/Dmd.&Sub-St.Cl	EC3S	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	390,720	\$39,016.74	\$0.0999	0	0.0057%
Commercial (3 Ph-Out - w/Dmd.&Sub-St.	E3SO	\$16,763.38	\$0.1200	3	145,680	\$17,795.85	\$0.1222	1,673,960	\$181,213.50	\$0.1083	3	0.0509%
Commercial (3 Ph-In - w/Demand, No Tax	EC3T	\$442.73	\$0.1419	1	4,800	\$637.44	\$0.1328	33,280	\$3,950.43	\$0.1187	1	0.0170%
Total Commercial (3 Ph) w/Demand		\$262,044.43	\$0.1275	246	2,303,590	\$294,210.63	\$0.1277	24,835,483	\$2,856,813.15	\$0.1150	247	4.1979%
Large Power (In - w/Dmd & Rct)	EL1	\$284,732.35	\$0.1042	21	3,037,231	\$311,034.61	\$0.1024	31,237,393	\$2,864,220.71	\$0.0917	21	0.3563%
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	\$91,984.54	\$0.0998	3	1,112,508	\$107,637.55	\$0.0968	11,593,629	\$978,262.52	\$0.0844	3	0.0452%
Large Power (Out - w/Dmd & Rct, w/SbCr)	EL2O	\$40,709.41	\$0.1022	1	451,200	\$45,502.92	\$0.1008	4,130,400	\$384,831.21	\$0.0932	1	0.0170%
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	\$15,989.77	\$0.2131	2	77,094	\$18,053.44	\$0.2342	930,047	\$121,467.72	\$0.1306	2	0.0339%
Total Large Power		\$433,416.07	\$0.1050	27	4,678,033	\$482,228.52	\$0.1031	47,891,469	\$4,348,782.16	\$0.0908	27	0.4525%
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	\$94,370.91	\$0.0898	1	1,180,028	\$105,636.89	\$0.0895	13,098,524	\$1,034,894.32	\$0.0790	1	0.0170%
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	\$88,326.21	\$0.0892	1	1,067,043	\$94,185.61	\$0.0883	12,559,139	\$976,392.35	\$0.0777	1	0.0170%
Total Industrial		\$182,697.12	\$0.0895	2	2,247,071	\$199,822.50	\$0.0889	25,657,663	\$2,011,286.67	\$0.0784	2	0.0339%
Interdepartmental (In - No Dmd)	ED1	\$4,882.68	\$0.1240	8	91,948	\$10,692.83	\$0.1163	613,096	\$65,840.09	\$0.1074	8	0.1315%
Interdepartmental (Out - No Dmd)	ED1O	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	\$0.00	\$0.0000	0	0.0000%
Interdepartmental (Out - w/Dmd)	ED2O	\$134.56	\$0.1563	2	924	\$144.21	\$0.1561	6,082	\$1,010.30	\$0.1661	2	0.0339%
Interdepartmental (In - w/Dmd)	ED2	\$3,566.86	\$0.1433	27	26,097	\$3,716.02	\$0.1424	473,918	\$58,425.09	\$0.1233	27	0.4652%
Interdepartmental (3Ph-In - w/Dmd)	ED3	\$21,123.86	\$0.1212	11	165,579	\$20,410.43	\$0.1233	2,535,116	\$269,392.58	\$0.1063	11	0.1866%
Interdepartmental (Street Lights)	EDSL	\$5,849.08	\$0.0930	7	62,879	\$5,849.08	\$0.0930	754,548	\$70,204.36	\$0.0930	7	0.1188%
Interdepartmental (Traffic Signals)	EDTS	\$152.46	\$0.0925	9	1,582	\$146.25	\$0.0924	21,367	\$1,975.63	\$0.0925	12	0.1951%
Generators (JV2 Power Cost Only)	GJV2	\$61.40	\$0.0042	1	13,740	\$151.14	\$0.0110	214,274	\$5,209.57	\$0.0243	1	0.0170%
Generators (JV5 Power Cost Only)	GJV5	\$49.92	\$0.0042	1	11,827	\$130.10	\$0.0110	153,845	\$3,659.10	\$0.0238	1	0.0170%
Total Interdepartmental		\$35,820.82	\$0.1085	66	374,576	\$41,240.06	\$0.1101	4,772,246	\$475,716.72	\$0.0997	69	1.1651%
SUB-TOTAL CONSUMPTION & DEMAND		\$1,531,489.35	\$0.1124	5,878	15,596,452	\$1,747,517.93	\$0.1120	156,063,159	\$15,610,575.42	\$0.1000	5,876	99.7031%
Street Lights (In)	SLO	\$13.73	\$0.0000	16	0	\$12.99	\$0.0000	1,463	\$341.22	\$0.2332	16	0.2630%
Street Lights (Out)	SLOO	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000	0	\$9.23	\$0.0000	2	0.0339%
Total Street Light Only		\$14.50	\$0.0000	18	0	\$13.76	\$0.0000	1,463	\$350.45	\$0.2395	18	0.2969%
TOTAL CONSUMPTION & DEMAND		\$1,531,503.85	\$0.1124	5,896	15,596,452	\$1,747,531.69	\$0.1120	156,064,622	\$15,610,925.87	\$0.1000	5,894	100.0000%

Power Supply Cost Adjustment Factor - PSCAF



RATE REVIEW COMPARISONS - Current to Prior Month and Prior Year

2016 OCTOBER - 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	September	August	September			September	August	September
Customer Type	Usage	Units	2016 Rate	2016 Rate	2015 Rate	Usage	Units	2016 Rate	2016 Rate	2015 Rate
Customer Type -> RESIDENTIAL USER - (w/Gas Heat)						RESIDENTIAL USER - (All Electric)				
Customer Charge			\$6.00	\$6.00	\$6.00			\$6.00	\$6.00	\$6.00
Distribution Energy Charge			\$20.93	\$20.93	\$20.93			\$33.39	\$33.39	\$33.39
Distribution Demand Charge										
Power Supply Energy Charge	978	kWh	\$71.20	\$71.20	\$71.20	1,976	kWh	\$143.85	\$143.85	\$143.85
Power Supply Demand Charge										
PSCAF - Monthly Factor	978	kWh	\$9.60	\$13.00	-\$7.44	1,976	kWh	\$19.40	\$26.26	-\$15.04
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			\$112.28	\$115.68	\$95.24			\$211.83	\$218.69	\$177.39
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			\$252.94	\$249.18	\$216.89			\$406.24	\$402.64	\$344.74
Verification Totals->			\$252.94	\$249.18	\$216.89			\$406.24	\$402.64	\$344.74
				<u>Cr.Mo to Pr.Mo</u>	<u>Cr.Yr to Pr.Yr</u>				<u>Cr.Mo to Pr.Mo</u>	<u>Cr.Yr to Pr.Yr</u>
Dollar Chg.to Prior Periods				\$3.76	\$36.05				\$3.60	\$61.50
% Inc/Dec(-) to Prior Periods				1.51%	16.62%				0.89%	17.84%
			=====	=====	=====				=====	=====
Cost/kWH - Electric	978	kWh	\$0.11481	\$0.11828	\$0.09738	1,976	kWh	\$0.10720	\$0.11067	\$0.08977
% Inc/Dec(-) to Prior Periods				-2.93%	17.90%				-3.14%	19.42%
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 OCTOBER - ELECTRIC P										
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>
	<i>Service</i>	<i>Service</i>	<i>September</i>	<i>August</i>	<i>September</i>		<i>Service</i>	<i>Service</i>	<i>September</i>	<i>August</i>
Customer Type	Usage	Units	2016 Rate	2016 Rate	2015 Rate		Usage	Units	2016 Rate	2016 Rate
<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
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	\$69.13	\$93.56	-\$53.57			\$8,079.93	\$10,935.05	-\$6,261.53
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			\$871.51	\$895.94	\$748.81			\$76,314.66	\$79,169.78	\$61,973.20
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			\$1,202.02	\$1,206.75	\$1,028.32			\$79,923.86	\$82,622.78	\$65,088.65
Verification Totals->			\$1,202.02	\$1,206.75	\$1,028.32			\$79,923.86	\$82,622.78	\$65,088.65
				<i>Cr.Mo to Pr.Mo</i>	<i>Cr.Yr to Pr.Yr</i>				<i>Cr.Mo to Pr.Mo</i>	<i>Cr.Yr to Pr.Yr</i>
Dollar Chg.to Prior Periods				-\$4.73	\$173.70				-\$2,698.92	\$14,835.21
% Inc/Dec(-) to Prior Periods				-0.39%	16.89%				-3.27%	22.79%
=====										
Cost/kWH - Electric	7,040	kWh	\$0.12379	\$0.12726	\$0.10637	866,108	kWh	\$0.08811	\$0.09141	\$0.07155
% Inc/Dec(-) to Prior Periods				-2.73%	16.38%				-3.61%	23.14%
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 September 2016

There were 7 callout /outages during the month of September. 2 outages were caused by accidents. 1 outage was an animal getting into the primary voltage. 1 outage was a tree limb falling on a secondary drop feeding a residence. 1 outage was found to be on the customer's side of the meter socket. 1 callout was to turn on electric turned off for non-payment. 1 callout was found to be water and not oil (as reported) coming out the bottom of a pad mount transformer.

Line Department/ Service Truck: Crews installed a URD on Rd. 11 North of Rd. U. Crews also worked on the pole rebuild on Independence between Oakwood Ave. and Industrial Drive. Crews relocated street lights and poles on East Washington. Line crews also worked on underground to overhead project at Industrial Substation. Crews performed shut-offs for Billing Department. Crews installed new street lights and poles at the curves on Clairmont. Crews performed shop and truck maintenance. Crews set a pole on Rd. L at J&R. Linemen replaced a pole anchor on Scott Street. Crews replaced the street lights at Mills Apartments on Independence. Crews replaced a bad pad mount transformer and upgraded URD at Knights Inn. The service truck performed locates, light repairs, completed work orders and helped line crews as needed.

Tree Trimming Crew: Substation crews performed routine maintenance and monthly substation checks, generated statistical and billing reports and worked on upgrade project at Industrial substation.

Forestry Crew: The crew trimmed trees on Oak St. West side of Industrial substation, Westchester, Detroit, RSV welding service and primary lines, West-end alleys, Automatic Feed and Ohio street.

Storeroom/Inventory/Meter Reading: Meters were read for billing. Read-in and read-outs were completed along with mowing the Service Building grass. Inventory ordering and helping the line crews was performed as needed.

The Peak Load for September, 2016 was 29.55 MW occurring on 9/7 at 7:00 PM. This was an increase of .26 MW compared to September 2015. The average load for September, 2016 was 17.82 MW. This was a decrease of .37 MW compared to September, 2015. The gas turbines ran on 9/7 and 9/8 and produced 274.52 MWH. JV-2 ran on 9/7 and produced 5.11 MWH. The Solar Field produced 519.49 MWH in September, 2016. This was a decrease of 47.3 MWH compared to September 2015. The Solar Field peak for September, 2016 was 3.47 MW. This was a decrease of .07 MW from September, 2015.

City of Napoleon, Ohio



SUMMARY OF SEPTEMBER 2016 OUTAGE/STANDBY CALL-OUTS

September 2, 2016:

Electric personnel were dispatched at 6:07 p.m. to 16561 County Road P1 due to a power outage. The outage lasted one hour and affected one customer. The outage was due to a concrete truck that caught a service drop and tore it down. The personnel de-energized the service drop, repaired the service drop and then re-energized it.

September 3, 2016:

Electric personnel were dispatched at 1:49 p.m. to 832 W. Riverview Ave. due to a power outage. The outage lasted forty minutes and affected one customer. The personnel checked the voltage and found it was the customer's problem.

September 8, 2016:

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

September 15, 2016:

One employee was dispatched at 6:15 p.m. to 1440 Thershan Dr. due to a transformer that was leaking. The employee checked the transformer and it was ok. The vault under the transformer was full of water and was seeping out.

September 17, 2016:

Electric personnel were dispatched at 10:00 a.m. to 619 Strong St. due to a power outage. The outage lasted one hour and affected one customer. The outage was due to a tree branch that fell on the service and the personnel put the service back up and reconnected it to the house.

September 20, 2016:

Electric personnel were dispatched at 6:52 p.m. to R208 County Road 16 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.

September 27, 2016:

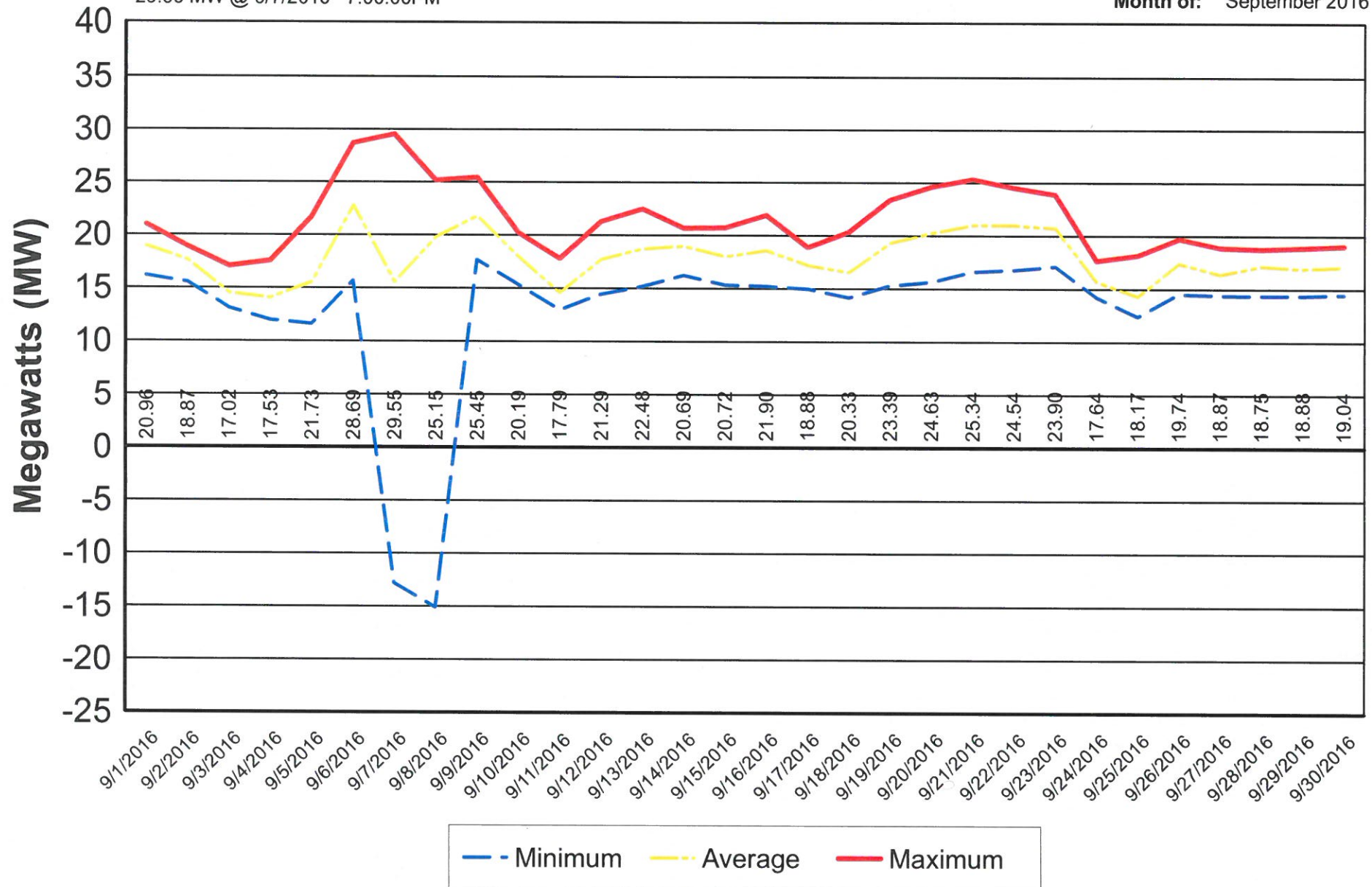
Electric personnel were dispatched at 7:35 p.m. to Henry County Fairgrounds to shut off power to the pad mount transformer for repairs to the secondary and breakers.

Napoleon Power & Light

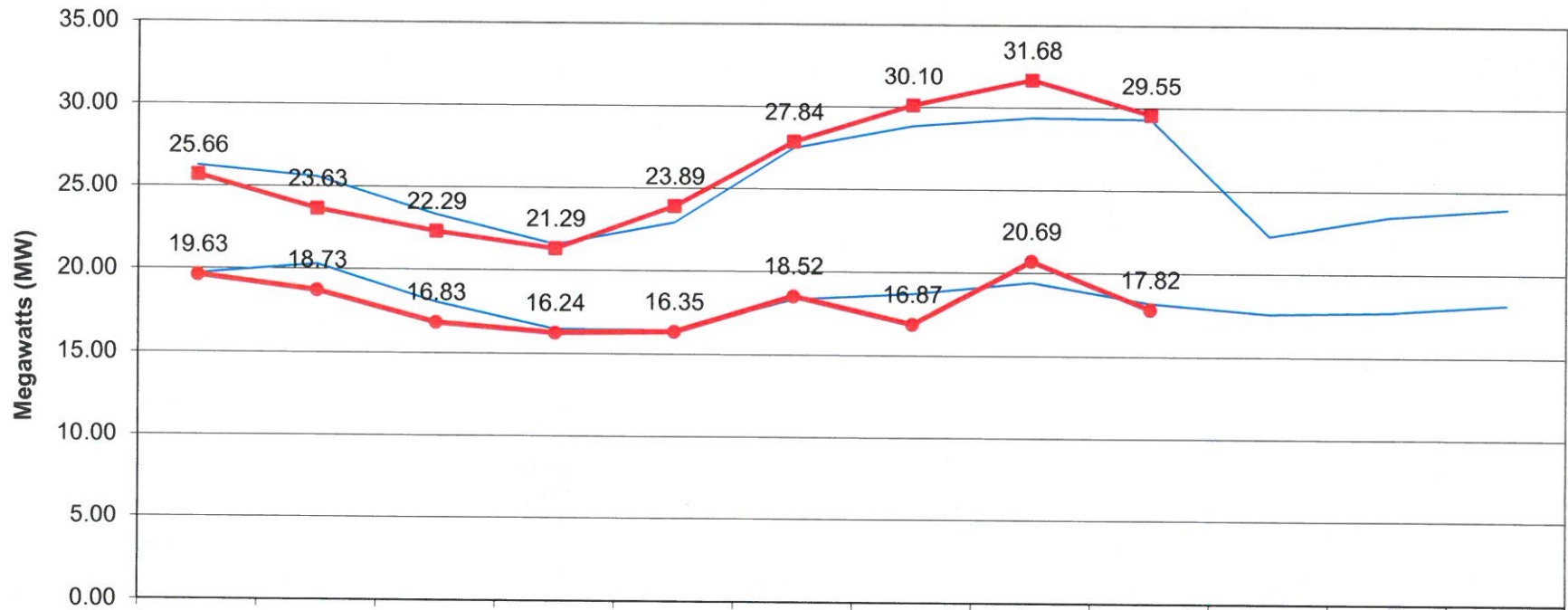
System Load

Peak Load:
29.55 MW @ 9/7/2016 7:00:00PM

Month of: September 2016



NAPOLEON POWER & LIGHT



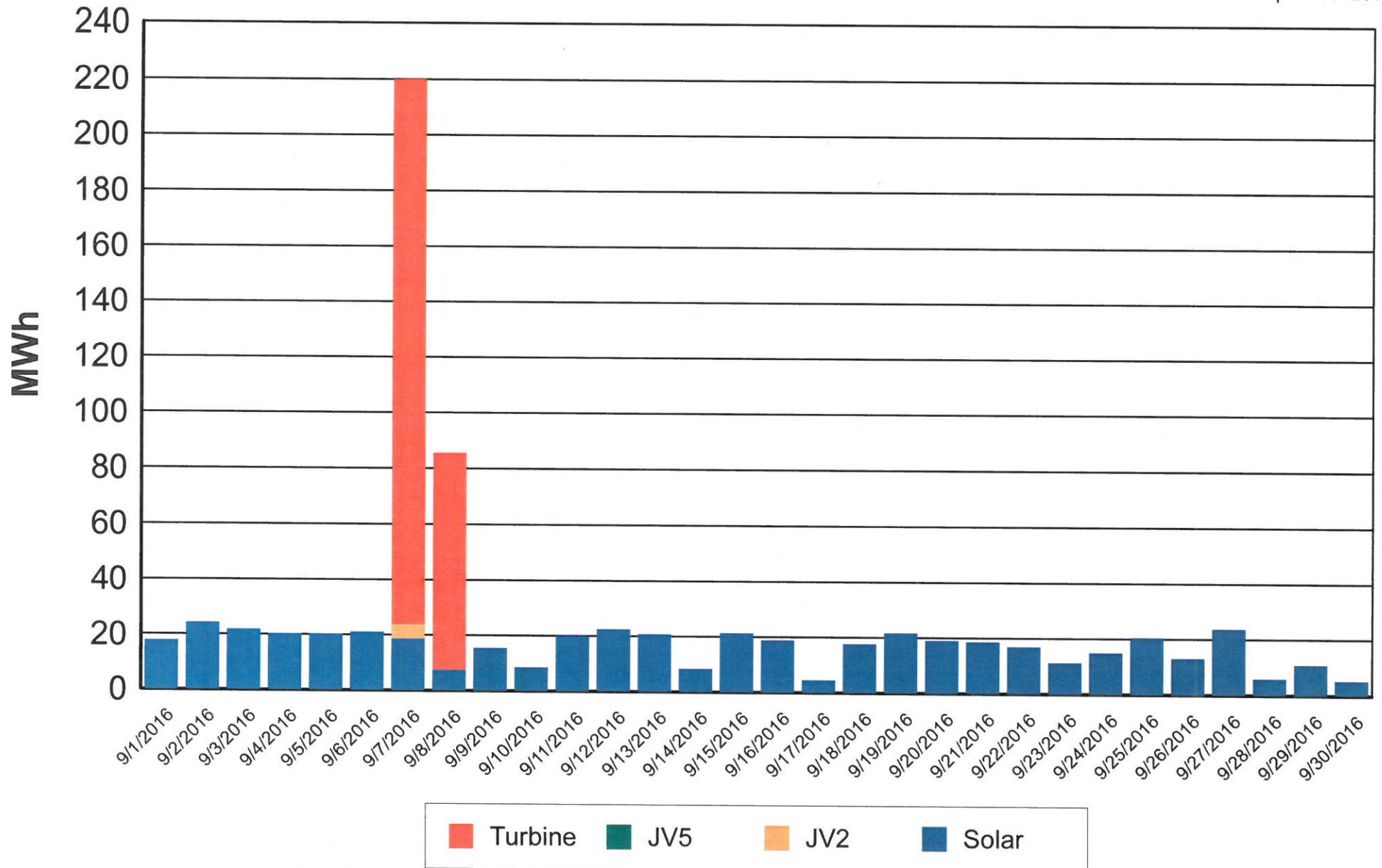
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1/1/2015	2/1/2015	3/1/2015	4/1/2015	5/1/2015	6/1/2015	7/1/2015	8/1/2015	9/1/2015	10/1/2015	11/1/2015	12/1/2015
2015 MAX	26.22	25.55	23.31	21.55	22.90	27.47	28.83	29.37	29.29	22.25	23.43	23.94
2015 AVG	19.70	20.28	18.05	16.48	16.43	18.33	18.71	19.43	18.19	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			
2016 AVG	19.63	18.73	16.83	16.24	16.35	18.52	16.87	20.69	17.82			



Napoleon Power & Light

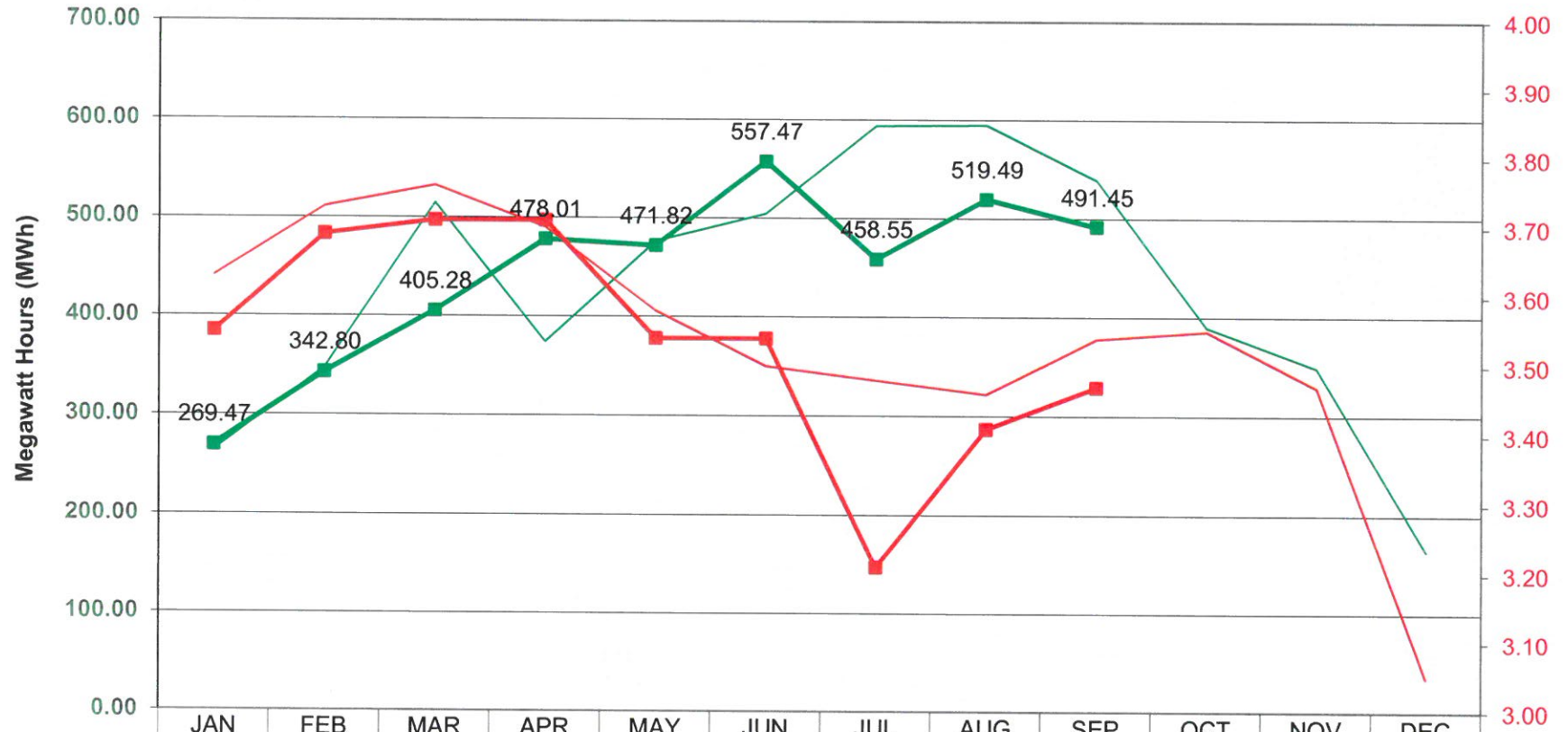
Daily Generation Output

September 2016



NAPOLEON POWER & LIGHT

Solar Field Output Trend

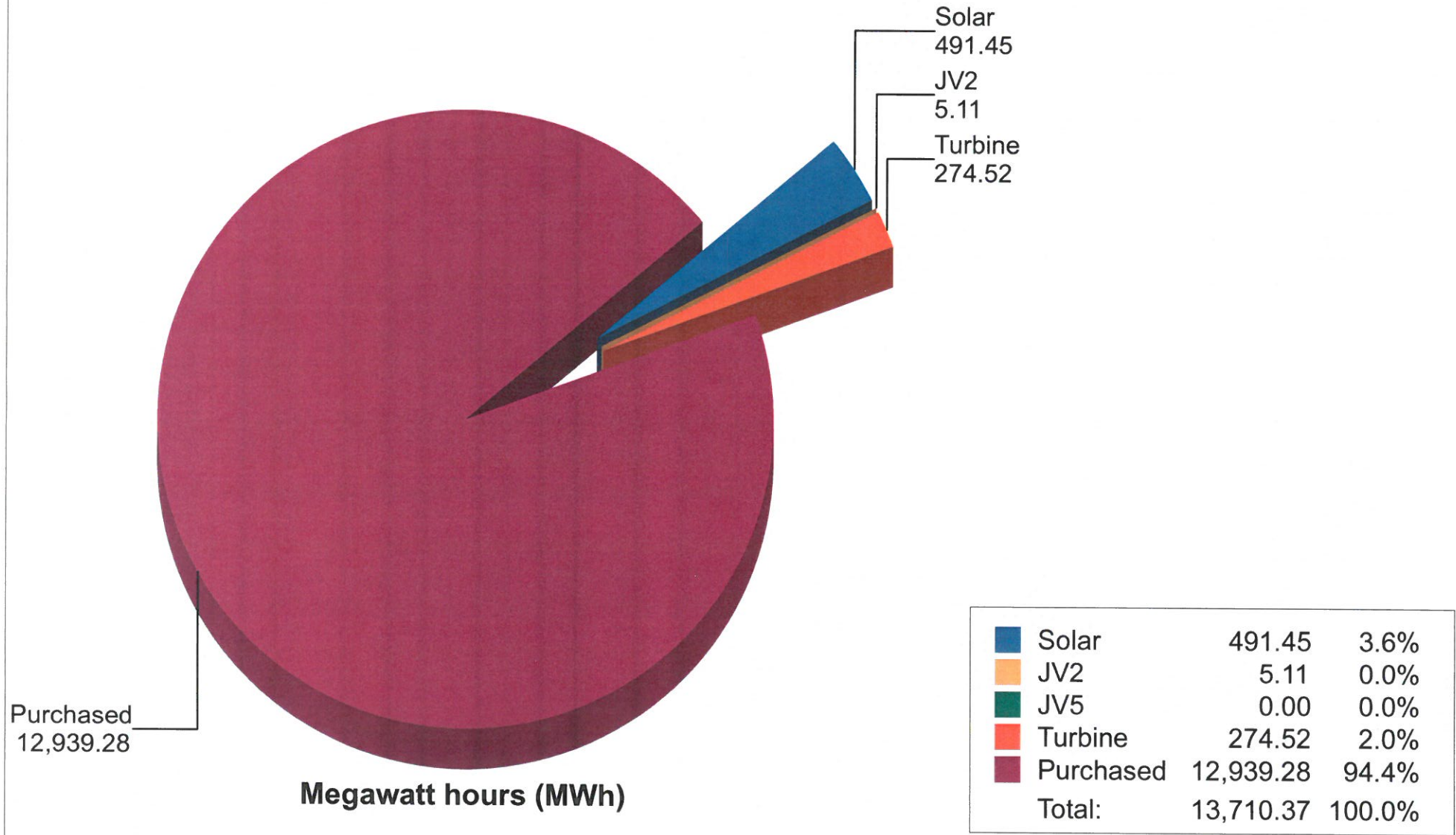


	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2015 MWh	264.01	347.24	514.48	373.66	476.27	504.31	593.72	594.85	538.75	389.83	348.77	164.61
2016 MWh	269.47	342.80	405.28	478.01	471.82	557.47	458.55	519.49	491.45			
2015 PEAK	3.63	3.73	3.76	3.70	3.58	3.50	3.48	3.46	3.54	3.55	3.47	3.05
2016 PEAK	3.55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

Napoleon Power & Light

Power Portfolio

September 2016



City of Napoleon, Ohio
BOARD OF PUBLIC AFFAIRS (BOPA)
Meeting Agenda
Monday, October 10, 2016 at 6:30 pm

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

1. Approval of Minutes from September 12, 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 October, 2016:
PSCAF three (3) month averaged factor: \$0.00982
(Prior PSCAF September 2016 factor: \$0.01329)
JV2: \$0.065472
JV5: \$0.065472
3. Electric Department Report.
4. Review of the Net Metering Policy (Tabled).
5. Review of Water Plant Upgrade Project and Estimated Cost.
6. Review of Water Rates Related to Water Plant Upgrade Project.
7. Any other matters to come before the Board.
8. Adjournment



Gregory J. Heath, Finance Director/Clerk of Council

CITY OF NAPOLEON, OHIO
BOARD OF PUBLIC AFFAIRS MEETING MINUTES
Monday, September 12, 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
Roxanne Dietrich
Newsmedia

Recorder
Other

ABSENT

Call to Order

Mike DeWit called the meeting to order at 6:30 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/Approval of the
Power Supply Cost
Adjustment Factor for
September, 2016:**

The Electric Power Supply Cost Adjustment Factor for September, 2016 was presented for review
PSCAF three (3) month averaged factor: \$0.01329
JV2: \$0.010999
JV5: \$0.010999

Discussion

Irelan passed out a Memo on why rates are going up and also a supplement from AMP with chart color showing what entities from 2015 and 2017 rolling portfolio hydro capital costs project. McColley asked about the Fremont combined cycle with 20% is that an assumption gas prices or is that we are taking less from other folks? Irelan said difference in the megawatt hours overall portfolio is getting smaller, hydro still takes that amount of percentage. Frysinger asked if percentage increase is from everything that came online this year. Irelan said that is the hydro project and by 2017 all of them will be on line, the projects on the Ohio River are just getting built. DeWit said a when humidity is 96% and people turn AC down to 72° it is about usage there is not much you can do on rates. McColley asked if our levelized rate is keeping up. Irelan replied it is doing what it is supposed to want to go up smoothly over time. Dr. Cordes asked when will be last we get back on rate levelization we have taken. Irelan said November of next year. He asked if anticipate a jump when it ends,

**Motion to Accept BOPA
Recommendation for
Approval of Power
Supply Cost Adjustment
Factor**

**Passed
Yea-3
Nay-0**

**Electric
Department
Report**

and she said it should be smoothed out to the point where it blends in. McColley asked what are the term times? Ireland said capital costs on hydro right now ones put on market are in 30 years. Cordes suggested putting on agenda PSCAF comparison line to current month vs previous month to see how much went up and down.

Motion: Frysinger Second: Dr. Cordes
To approve the Power Supply Cost Adjustment Factor for September, 2016 as follows:
PSCAF three (3) month averaged factor: \$0.01329
JV2: \$0.010999
JV5: \$0.010999

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

The August 2016 Electric Department Report was presented by Electric Distribution Supt., Dennie Clapp. He reported in August, they had more customer issue calls besides turn-ons they cost more to the city. He said he talked to the manager at Tri-County and if it is our problem they do not charge if it is the customer's problem they are charged a service call. The crews are taking out the 35' poles and replacing them with 40' poles that are a better class and are bigger around so if have northerly winds will not snap them off should not have problems plus so many other utility lines are going on our poles. DeWit asked with the change in pole size should we up rental price to be on our poles. Clapp said he has asked the Law Department to look into new government regulations that took place in March, we may have to scrap our contracts, Federal government mandates how much can charge for each pole, we may lose revenue. Dr. Cordes asked what is the cost difference between the old class pole and new one. Clapp responded about \$50 difference for each pole, current poles are getting older there are multiple reasons why changing out trying to look into the future.

There was discussion on how to handle customer call out issues, Dennie said he would look into and bring something back. It was suggested may be something to ask AMP.

Sheaffer said good job on August 27th you were called out to so many places at same time and people appreciate getting things back on quickly.

Review of the Net Metering Policy (Tabled).

Nothing to add.

Review of the Automatic Renewal of Efficiency Smart Contract

Irelan said there was a memo in the packet (see attached) the Efficiency Smart contract has a clause for automatic renewal for another 3 year period, we need to let them know by October 1, 2016 is we want to let that automatically roll. On the efficiency program we each pay \$1.40 /MWh on our bill and that money gets collected for this program, ie. free bulbs at Ace Hardware, when you buy appliances can get credit and recycle old appliances. The program is also used on the commercial and industrial side they will do energy audit for industrial costumers stats pretty significant a benefit to our portfolio. Information about the program is on their website. DeWit said that goes a long way toward customer service. Irelan said put in for 11% in residential, 44% commercial and 46% in industrial. DeWit said as long as people area using is great, Irelan responded City Hall used program for hallway lights, Frysinger said it sounds like they are doing an excellent job.

Motion to Recommend That We Keep the Current Efficiency Smart Policy and Continue with the Automatic Renewal

Motion: Frysinger Second: Dr. Cordes
To recommend that we keep the current Efficiency Smart policy and continue with the automatic renewal.

Passed
Yea-3
Nay-0

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

Miscellaneous AMP

Irelan said we did approve the extended life for AMP PT and JV2 Diesel until 2019 they were to retire in 2018, the JV2 gas units was extended until 2021, the JV5 diesel units were retired in May and those units are up for sale. Sheaffer asked if there is a replacement project for that and Irelan responded that the replacement project is the gas project that is currently on hold because construction costs have went up everything is ready move forward when more cost effective.

BOPA Concerns on Water Rates/WTP Project

DeWit said wanted to talk about water, we are going to have the biggest water rates with costs of water plant, what does it take to bring BOPA up-to-date on the costs. The BOPA will catch as much concern as anyone else and we need to understand numbers and get involved. What is the \$17 million number just the plant? Irelan said \$17 million is not just the plant I will have to pull the numbers. DeWit said your

number does not make sense to me. DeWit said that was your last number on presentation for cost of plant \$17 million something, what is the final cost? Irelan said she does not know the project has not been bid the engineer's estimate updated to \$16.5 million but that has gone down when changes were made to design. Will have to bring presentation back with updates before can talk about actual rates. DeWit said the BOPA duties are to advise Council not only on rates but a bunch of other stuff according to the Charter, not getting involved until at the last minute and not knowing anything about it is putting the BOPA at a serious disadvantage. Irelan said first debt payment will not be until 2021 and will be doing rate increases in shifts, customers will not see 30% increase in next year's rates we will levelize like we did with hydro. DeWit commented have to look at question when did it become smarter to stay course originally especially given the way project was not managed this is the biggest increase City has had in any one project at any time as far as a total cost WTP biggest expenditure increase we ever had. Irelan said this is biggest capital project ever done by the City. DeWit said we went from target of \$10 million to a projected final cost now of \$16 million. Irelan replied that \$10 million was my personal target. DeWit said your personal target became the city's target when you mentioned it first and the lowest number is the one you live with. This went from \$10-\$16 million dollars, a 60% difference in cost. Irelan said I have been giving updates to Council. DeWit asked how can you have a project without a budget. Irelan said do not have a design complete and cannot budget without a design. Heath suggested Review of Water Plant Upgrade Project and Estimated Cost and Review of Water Rates Related to Water Plant Upgrade Project be added to the BOPA's October agenda.

**Motion to Adjourn
BOPA Meeting**

Motion: Frysinger Second: Dr. Cordes
To adjourn the Board of Public Affairs Meeting at 7:14 pm

Passed
Yea-3
Nay-0

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

Approved

October 10, 2016

Mike DeWit, Chair

City of Napoleon, Ohio

WATER, SEWER, REFUSE, RECYCLING & LITTER COMMITTEE

Meeting Agenda

Monday, October 10, 2016 at 7:00 pm

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

- 1) Approval of August 08, 2016 Minutes *(In the absence of any objections or corrections, the Minutes shall stand approved)*
- 2) Review of Water Plant Upgrade Project and Estimated Cost
- 3) Review of Water Rates Related to Water Plant Upgrade Project
- 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, Refuse, Recycling & Litter Committee

Meeting Minutes
Monday, August 08, 2016 at 7:00pm

PRESENT
Water & Sewer Committee
City Staff

Recorder
Others

ABSENT

Jeff Comadoll – Chair, Travis Sheaffer, Rita Small
Monica Irelan, City Manager
Chris Peddicord, Assistant Finance Director/ Acting Clerk of Council
Lisa Nagel, Law Director
Chad Lulfs, Director of Public Works
Scott Hoover, Water Treatment Plant Supervisor
Tracy Crist
Media

Call To Order

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

Approval Of Minutes

The May 9, 2016 meeting minutes stand approved as presented with no objections or corrections.

Review of History of the Water Treatment Plant Project

Irelan presented the history of the Water Treatment Plant project.
(see attached).

There were no questions or comments on the history of the project.

Irelan gave a quick history update of the Malinta water agreements.
(see attached).

There were no questions or comments on the update.

Irelan gave an update on the Water Treatment Plant Rehab project.
(see attached).

Discussion

Irelan reminded council and committee that in May she brought an update stating with the improved economy, the costs for rehabilitation were also increasing. She stated staff has made line item cuts of approximately \$350,000 and design cuts made by council of approximately \$300,000 have resulted in roughly \$650,000 in savings. But the overall cost of the project is now at about \$17.1 million.

Irelan informed council that the city is still waiting on whether it will be approved for a \$2.9 million grant or not, and that she has also applied for several low or no interest loans.

Ireland stated the overall rehab plans were turned into the EPA in July, which is six (6) months behind schedule. Ireland stated she is still hopeful the project can be bid out by the end of this year. She also said that although the ultraviolet disinfection portion of the project is also behind

schedule, it should still be installed later this fall.

McColley asked if there were any other grants available? Irelan replied non for which the city qualifies.

Bialorucki asked who was a fault for this being behind schedule? Irelan said 100% it's all on them; that we have been pushing our engineers and they are aware of our unhappiness.

Bialorucki asked if there is anything in the contract that holds the engineering firm responsible? Irelan said those details will be discussed when it comes time to hold an executive session on such issues.

WSRRL Motion To Adjourn

Motion: Shaeffer Second: Small
To adjourn the meeting at 7:30 pm

Passed
Yea-3
Nay- 0

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

Approved:

October 10, 2016

Jeff Comadoll, Chair

City of Napoleon, Ohio

MUNICIPAL PROPERTIES, BUILDINGS, LAND USE, & ECONOMIC DEVELOPMENT COMMITTEE
Meeting Agenda

Monday, October 10, 2016 at 7:30 pm

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

- 1) Approval of Minutes from September 12, 2016 (*In the absence of any objections or corrections, the Minutes shall stand approved.*)
- 2) Conceptional 2017 Construction Projects.
- 3) Updated information from Staff on Economic Development (as needed).
- 4) Adjournment.



Gregory J. Heath, Finance Director/Clerk of Council

Special Meeting Agenda

Monday, September 12, 2016 at 7:00 pm

PRESENT:	
Committee Members	Patrick McColley(Chair), Travis Sheaffer, Jeff Mires, Jason Maassel
City Staff	Dan Baer, City Councilman (observation only)
	Greg Heath, Finance Director
	Monica Irelan, City Manager
Recorder	Roxanne Dietrich
Others	Denise Dahl, CIC Executive Director
Absent	
Call to Order	Chairman McColley called the meeting to order at 7:29 pm
Approval of Minutes	The August 08, 2016 meeting minutes stand approved as presented with no objections or corrections.
Review of CIC Agreement due to the Resignation of Director Amanda Griffith (Tabled).	Motion: Maassel Second: Sheaffer To untangle Review of CIC Agreement due to the Resignation of Director Amanda Griffith.
Passed	Roll call vote on above motion:
Yea-4	Yea-Maassel, Mires, McColley, Sheaffer
Nay-0	Nay-
Discussion	Irelan said she does not have any updates, we can eliminate the item.
Remove Item from the Agenda	Motion: Sheaffer Second: Maassel To remove from the agenda <i>Review of CIC Agreement due to the Resignation of Director Amanda Griffith</i>
Passed	Roll call vote on above motion:
Yea-4	Yea-Maassel, Mires, McColley, Sheaffer
Nay-0	Nay-
Review of Goals for the CIC (Tabled).	Motion: Maassel Second: Mires To untangle Review of Goals for the CIC

Passed
Yea-4
Nay-0

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

Discussion

Denise Dahl, Executive Director of the CIC, passed out a copy of the Plan Implementation by Objective (a copy is attached). She went over some of the goals of the CIC Board and said they will be doing a strategic plan this month focusing on the plan implementation. I believe there is some overlap on what both the City and CIC would really like; if you have a different focus, discuss with your City Representative on the CIC board and they can bring any additional items to our October meeting. Sheaffer talked about how before the CIC focused so much on industrial and commercial stuff was very low priority. If nothing is going on over here we would like to see something going on over there to help out. Maassel said had industrial space and focused on and now we don't have any so need to talk about commercial space available for lease. Dahl commented the database and GIS makes good sense to round out whole quality of life. Sheaffer said ties into Scott Street Revitalization that is in the plan.

Review of Sidewalks on Industrial Drive Project

Irelan told the committee, a memo was in your packet (see attached). In Feb 2015 the City applied for an ODOT grant that was tied to the Industrial Drive Project, we have been approved for 95% of eligible cost on an almost \$2 million project. Because the grant money has ODOT ties and the area has low income housing we have to put sidewalks in. I recommend the City pay for the sidewalk installation it will go from apartment buildings on East Riverview along Old Castle and the Operations Building.

There was discussion if the overall project bid comes in lower should we do something else, put sidewalks in on the other side or do something with the grant money only paying 5%. Irelan said there is a ditch on the other side that would have to be filled in and the underground stuff is not eligible for the grant. Sheaffer said a sidewalk on the other side would get them down to the truckstop. Irelan said we cannot do work on the overpass, there is not much can do there anyways it is too narrow. McColley said the middle lane is not allowed to turn left onto St. Rt. 24 eastbound any more, is there room to move a few feet, to shift traffic over to make safe for people crossing. Irelan said we are willing to look into, but ODOT wants to design they will not let us. McColley said it may be a question that needs to be asked ODOT for safety, question if can shift traffic over. Maassel commented the current sidewalk policy that has been talked about a lot does not talk about sidewalks in the industrial area. He asked if the project will be done in 2018 or 2017. Irelan said the

Motion to Recommend to City Council that the City put in a Sidewalk as Part of the Industrial Drive Project, with City Match at 5%.

Passed
Yea-4
Nay-0

Miscellaneous

Motion to Adjourn

Passed
Yea-4
Nay-0

Date

design work will be done in 2017 with the construction in 2018. Maassel said there is a lot of truck traffic along there and will be a benefit for Napoleon and also the industrial area. Sheaffer asked if the design is conducive should the second river bridge ever come in. Ireland said it is designed to just stop short of that stop sign so if the project happens will not be ripping out the road right there.

To Recommend to City Council that the City put in a Sidewalk as part of the Industrial Drive Project, with City Match at 5%.

Motion: Patrick

Second: Sheaffer

Roll call vote on above motion:

Yea - Maassel, Mires, McColley, Sheaffer

Nay-

Maassel said we hear a lot from employers about needing workers, is there any way we can help them solve that issue. Sheaffer asked if they work with Northwest State. Maassel asked if there is something we want to do here. Sheaffer asked where would we get the money from. Maassel said first we would have to figure out if we can do something. Sheaffer commented with the budget situation we are in, how are we going to pay for, do not know what we would do, what are options are. Maassel said just asking question. Sheaffer said if CIC has a plan might want to ask request for next year do not know what process would entail. Maassel said anything we can do to provide quality employees to our industrial.

Motion: Sheaffer

Second: Mires

To Adjourn the Municipal Properties, Buildings, Land Use and Economic Development meeting at 7:56 pm.

Roll call vote on above motion:

Yea- Maassel, Mires, McColley, Sheaffer

Nay-0

Patrick McColley, Chair



City of Napoleon, Ohio

DEPARTMENT OF MANAGEMENT

255 West Riverview Avenue, P.O. Box 151
Napoleon, OH 43545
Telephone: (419) 592-4010 Fax: (419) 599-8393
www.napoleonohio.com

Memorandum

To: Mr. Chair and Municipal Properties, Buildings, Land Use, and Economic Development
From: Monica Irelan, City Manager
RE: 2017 Proposed Public Works Projects

History:

In 2016, the Municipal Properties, Buildings, Land Use, and Economic Development Committee reviewed the process of introducing, reviewing, and tracking Public Works projects. The Committee requested a more extensive process including a preliminary review of the projects prior to the budget hearings. That is what this is.

Research:

Attached you will find a list of projects, a brief description, and cost estimates tied to each. If we have been awarded grant money, the grant and amount is stated. At this time, there are twelve proposed projects for 2017. Keep in mind, the budget review process has not been completed; therefore, cuts have not been made to equal the revenue provided. This is a very preliminary list.

This is a review process. No action is necessary.



City of Napoleon, Ohio

Department of Public Works

255 West Riverview Avenue, P.O. Box 151

Napoleon, OH 43545

Chad E. Lulfs, P.E., P.S., Director of Public Works

Telephone: (419) 592-4010 Fax: (419) 599-8393

www.napoleonohio.com

Memorandum

To: Monica Irelan, City Manager
From: Chad E. Lulfs, P.E., P.S., Director of Public Works
cc:
Date: October 6, 2016
Subject: Proposed 2017 Major Construction Projects

Hobson Street Waterline Improvements

Replace the existing waterline on Hobson Street from E. Washington Street to Depot Street.
Replace all suspected lead water services in this area.

Engineer's Preliminary Estimate = \$300,000

This project will be 100% funded through a Critical Infrastructure C.D.B.G. grant.

Ohio Street Waterline Improvements

Replace the existing waterline on Ohio Street from Glenwood Avenue to Stevenson Street.
Also, replace all damaged concrete curb (approximately 70% of all curb on Ohio Street). A minor drainage issue will be corrected, and handicap ramps will be installed where necessary. This waterline is one of the worst in the City for rusty water issues.

Engineer's Preliminary Estimate = \$650,000

Haley Avenue Sanitary Sewer Improvements

Replace the existing sanitary sewer on Haley Avenue from W. Riverview Avenue to W. Washington Street. Also, remove all storm lines that were previously connected to the sanitary sewer. Locations where cross connections were disconnected appear to possibly be leaking. This sanitary sewer was investigated earlier this year and it was discovered that most of the sanitary sewer laterals are collapsing. The sewer main itself could possible collapse very soon.

Engineer's Preliminary Estimate = \$630,000

This project will be funded 50% through an Issue II O.P.W.C. grant. I am currently pursuing another funding source that could possible fund the other 50% of the project. This project was designed in-house.

Roundhouse Road Improvements

A new street, sanitary sewer, storm sewer, and waterline will be built from Wood Drive near Taco Bell and extend to the west. This project is being done to satisfy the requirements of a contract.

Engineer's Preliminary Estimate = \$450,000

2017 Miscellaneous Street Improvements

Various streets will be resurfaced/repared around the City. The rankings from the Pavement Data Collection Project will be utilized to determine which streets should be considered. Surrounding streets will then be looked at to determine what area of town we should concentrate our efforts.

Engineer's Preliminary Estimate = \$450,000

Park Street Improvements ~ Phase I

Park Street will be reconstructed from Glenwood Avenue to Sheffield Avenue. The waterline will be replaced. Portions of the sanitary sewer and storm sewers will be replaced.

Engineer's Preliminary Estimate = \$870,000

Williams Pump Station Improvements

The Williams Pump Station, which services the Glenwood Estates Trailer Park, will be designed in 2017. It will be relocated from the edge of a field to along Glenwood Avenue. The flow from the trailer park will be redirected to the new location. The new pump station will be designed to handle future flows from development north of U.S. Rt. 6/24. All flows will then be pumped to the VanHyning Interceptor located behind VanHyning Estates Subdivision.

Engineer's Preliminary Design Estimate = \$100,000

We applied for a W.P.C.L.F. Planning Loan. If granted, we will be eligible for a W.P.C.L.F. construction loan.

VanHyning Pump Station Improvements

The VanHyning Pump Station, which services northerly portion of the City, will be designed in 2017. It will be replaced with updated equipment.

Engineer's Preliminary Design Estimate = \$100,000

We applied for a W.P.C.L.F. Planning Loan. If granted, we will be eligible for a W.P.C.L.F. construction loan.

Downtown Street Improvements

Preliminary plans have been prepared to resurface the entire downtown. As part of the project, most drainage structures will need to be replaced. Also, sanitary manholes will need to be adjusted and portions of curbing replaced. The area includes: Scott Street from W. Clinton Street to W. Riverview Avenue; Perry Street from Railroad Street to the Perry Street Bridge; W. Main Street from Perry Street to Scott Street; Washington Street from Scott Street to Monroe Street; & W. Clinton Street from Scott Street to Monroe Street.

Engineer's Preliminary Estimate = \$750,000; we propose 50% of project in 2017 and 50% of project in 2018.

We applied for a W.P.C.L.F. Planning Loan. If granted, we will be eligible for a W.P.C.L.F. construction loan.

2017 Sewer Cleaning

Various portions of the City sanitary sewers will be cleaned. Project was bid in 2015 for 3 years.

Engineer's Preliminary Estimate = \$85,000

2017 Manhole Lining

Various sanitary sewer manholes will be lined.

Engineer's Preliminary Estimate = \$40,000

2017 Street Striping

The streets are striped every-other year. On the “off” years we paint areas that have faded or have been damaged due to miscellaneous issue. 2017 is the year for the complete project.
Engineer’s Preliminary Estimate = \$110,000

Thank you.

CEL

City of Napoleon, Ohio

PERSONNEL COMMITTEE

Meeting Agenda

Monday, October 10, 2016 at 7:45 pm

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

1. Approval of Minutes from October 6, 2016 (*In the absence of any objections or corrections, the Minutes shall stand approved*)
2. Filling the Law Director Position
3. Adjournment



Gregory J. Heath, Finance Director/Clerk of Council

City of Napoleon, Ohio

PERSONNEL COMMITTEE

Meeting Agenda

Wednesday, October 12, 2016 at 5:30 pm

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

1. Approval of Minutes from October 10, 2016 (*In the absence of any objections or corrections, the Minutes shall stand approved*)
2. Filling the Law Director Position
3. Adjournment



Gregory J. Heath, Finance Director/Clerk of Council

City of Napoleon, Ohio

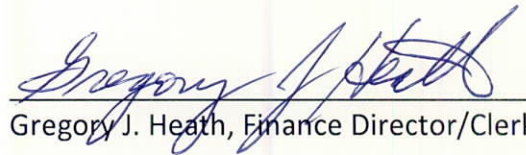
HEALTHCARE COST COMMITTEE

Meeting Agenda

Friday, October 14, 2016 at 8:30 am

LOCATION: Council Chambers, 255 W. Riverview Avenue, Napoleon, Ohio 43545

- I. Approval of Minutes of October 7, 2016 (*In the absence of any objections or corrections, the Minutes shall stand approved.*)
- II. Review of Health Care Costs and potential Premium Increases for 2017.
- III. Any other matters currently assigned to the Committee
- IV. Adjournment


Gregory J. Heath, Finance Director/Clerk



City of Napoleon, Ohio

255 West Riverview Avenue • P. O. Box 151

Napoleon, Ohio 43545-0151

Phone (419) 599-1235 Fax (419)-599-8393

www.napoleonohio.com

MEMORANDUM

TO: Board of Zoning Appeals, City Council, Mayor, City Manager, City Law Director,
City Finance Director, Department Supervisors, Newsmedia

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

DATE: October 7, 2016

RE: Board of Zoning Appeals Meeting Cancellation

The Board of Zoning Appeals meeting regularly scheduled for Tuesday, October 11, 2016 at 4:30 pm has been CANCELED due to lack of agenda items.



City of Napoleon, Ohio

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MEMORANDUM

TO: Planning Commission, City Council, Mayor, City Manager, City Law Director,
City Finance Director, Department Supervisors, Newsmedia

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

DATE: October 7, 2016

RE: Planning Commission Meeting Cancellation

The Planning Commission meeting regularly scheduled for Tuesday, October 11, 2016 at 5:00 pm has been CANCELED due to lack of agenda items.

City of NAPOLEON, Ohio

Operations Department

1775 Industrial Dr., P.O. Box 151, Napoleon, OH 43545

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



PRESS RELEASE

FALL FIRE HYDRANT FLUSHING PROGRAM

The City of Napoleon will be conducting its **FALL FIRE HYDRANT FLUSHING PROGRAM** on the following dates:

☛ **The weeks of October 10th, through October 21st, 2016.**

- ☛ Flushing in the Downtown area, along with the areas of North Scott Street, Becklee Drive and Bonaparte Drive will be conducted on October 21, 2016 between the hours of 12:00 a.m. and 8:00 a.m.

The City Crews will start flushing hydrants on the north side of the river near the Water Treatment Plant and work their way to the outer edges of the system.

The flushing of the system is a very important function of the overall maintenance of the water distribution system for the following reasons:

- ☛ To insure that the hydrants are in proper working order in case they are needed for fire fighting.
- ☛ To verify the flow and location of the hydrants for fire fighting.
- ☛ To pull fresh water to low flow and dead end sections of the water mains.

The Water Distribution Department would like to advise that the water sometimes becomes rusty or off-color when we flush hydrants and encourages residents to check the water before doing any washing, cooking or showering. In case this does occur, the water lines may be cleared by running the washing machine through a full cycle with no clothes in the washer. Also check all other fixtures and let the water run until it is clear again.

The crews will be starting at 7:30 a.m. and continue flushing until approximately 3:00 p.m. on weekdays during this period.

If there is any other questions or concerns on this matter please call the Operations Department at 419/599-1891 between the hours of 7:00 a.m. and 3:30 p.m. The City of Napoleon apologizes for any inconvenience during this period.



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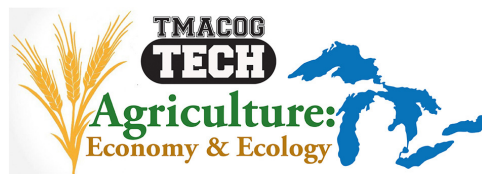
EVENTLINE

**October &
November 2016**

[Web](#)

[pdf version](#)

FEATURE



Agriculture: Economy & Ecology

Learn how modern agriculture is addressing the challenges facing Lake Erie. Hear from farmers who have a vested interest in the health of the soil and water. Presentations will cover the economic impact of agriculture in northwest Ohio and southeast Michigan, and myth vs. reality when it comes to what urban dwellers believe about the business of farming. Speakers will also talk about water control tools and the challenges of tracing the movement of dissolved reactive phosphorus.

Agriculture: Economy & Ecology

Thursday, November 17, 1-4 p.m.
Penta Career Center, 9301 Buck Rd., Perrysburg

There is no charge to attend but please contact TMACOG to register: [Joy Minarcin](#), 419.241.9155 ext. 128.

Thank you to First Energy for sponsorship of this TMACOG Tech session.

Persons requesting special accommodations due to limited English proficiency, disabilities of language, mobility, or other handicap are invited to contact TMACOG Accessibility Coordinator Jennifer Allen (allen@tmacog.org) or 419.241.9155, ext. 107

TRANSPORTATION

2016 Gas Cap Testing and Replacement Program - Summary Report

Upcoming Events

Public Transit Forum

Friday, October 21,
9:30 a.m. - 3:30 p.m.
Sofia Quintero Art and
Cultural Center,
Toledo
Contact: [Shelley
Papenfuss](#) of
Community Advocates
for Transportation
Rights (CATR) at
419.509.0814

Passenger Rail Forum

Monday, October 24,
11 a.m. - 1 p.m.
Contact: [Rebekka
Apardian](#),
419.241.9155 ext. 117

TMACOG Tech: Agriculture: Economy & Ecology

Thursday, November
17, 1 - 4 p.m.
Contact: [Kurt
Erichsen](#),
419.241.9155 ext. 126

TMACOG General Assembly

Monday, January 30,
2017
8 a.m. - 1 p.m.
Contact: [Jennifer Allen](#),
419.241.9155 ext.
117



The Gas Cap Testing and Replacement program has operated in northwest Ohio since 2000 and since 2008, TMACOG has partnered with the City of Toledo Division of Environmental Services for the summer outreach effort. This program invites drivers to bring passenger cars and light trucks to testing sites where staffers perform a quick vacuum test of the gas cap...[read more](#)

Surface Transportation Block Grant Projects Scored



The Transportation Improvement Program (the TIP) and the Transportation Council have approved the scoring and ranking of this year's round of Surface Transportation Block Grant Program (STBGP) applications...[read more](#)

Public Transit Forum Addresses Mobility

ODOT Transit Administrator Chuck Dyer is one of the state and regional officials who will be featured panelists at a day-long forum on public transit organized by the Community Advocates for Transportation Rights (CATR).

"You'll Move Better in Greater Toledo: Building a Transportation Network for All" will be held Friday, October 21, 9:30 a.m. – 3:30 p.m. at the Sofia Quintero Art and Cultural Center, 1225 Broadway in Toledo. There is no charge to attend the forum but registration is required. Registration, more information, and the complete agenda are at <https://toledotransitforum.eventbrite.com>. The organizers have planned a community event that will bring together transit planning leaders, transit providers, and their communities to discuss the transit system as it currently operates in our region. Their goal is to explore strategies to strengthen this vital transportation network.

The forum will consist of two panels, time for Q & A, networking, and a planning session looking forward. The morning panel will look at the current public transit operations. Panelists will include representatives from TARTA, Lucas County Commissioners office, Disability Rights Ohio, and the Ability Center of Greater Toledo. Following a complimentary lunch, the afternoon panel will also include Chuck Dyer of ODOT, TMACOG Vice President of Transportation David Gedeon, and Shelley Papenfuse of CATR.

For questions or for accessibility accommodations, contact [Shelley Papenfuse](#) at 419.509.0814.

Passenger Rail Forum



In Florida, a group of investors are creating the first privately financed intercity passenger rail line in 100 years. Eugene "Gene" Skoropowski, a senior vice president of railroad operations for Brightline, will talk about this ambitious project at the annual Passenger Rail Forum and luncheon Monday, October 24, 11 a.m. to 1 p.m. at the Toledo Club in downtown Toledo. This event is sponsored by TMACOG and the Northwest Ohio Passenger Rail Association (NOPRA). Register [here](#).

Initial plans call for fast, modern trains to connect Miami to Ft. Lauderdale and West Palm Beach by 2017. Station construction is well underway and trains are being tested. Phase two calls for the line to extend to Orlando. Investors say that the Orlando to Miami trip will be only three hours. Skoropowski's presentation will describe how the [whole project](#) is coming together, what options it brings to Florida travelers, and explore how the concept can be applied to other rail corridors.

WATER QUALITY

Water Quality Council Special Presentations



The September 8 meeting of the TMACOG Water Quality Council was moved to the Grand Lobby of the Dr. Martin Luther King, Jr. Plaza to accommodate attendees on hand to hear two special presentations...[read more](#)

Progress on Biocells

A project to create two large biocells in the Junction Avenue neighborhood of Toledo is moving ahead with the goal of completion before cold weather arrives. The cells are at the intersection of Belmont and Forest and are part of a larger neighborhood plan to incorporate green infrastructure in neighborhood development plans.

The grading is complete on the biocells and the slopes have been stabilized with hydroseed (low-mow mix). A home near the cells has been included in the planning area with steps to manage roof runoff and re-direct stormwater in a nearby alley. The project team and the local community will finalize landscaping choices and establish a maintenance plan.



Large biocell in the Junction Avenue neighborhood under construction. Biocells are not ponds. During periods of heavy rain they may hold water for up to 24 hours. They are designed to allow stormwater to drain slowly through engineered soils. The cells will

be planted with ornamental and native species that can tolerate drought and flood.

Great Lakes Restoration Conference

The 12th annual Great Lakes Restoration Conference, hosted by the Healing Our Waters Great Lakes Coalition, was September 20-22 at the Cedar Point Breakers Hotel in Sandusky.

The extensive program brought in speakers from private business, elected office, academic research, and advocacy. Presentations addressed pipelines, the role of agriculture in harmful algal blooms, case studies in habitat restoration, and many more topics.

Carol Contrada, chair of the TMACOG Water Quality Council and Lucas County commissioner, moderated a panel: "Sharing Chesapeake lessons with the Great Lakes." Alicia Smith, who has coordinated with TMACOG on green infrastructure planning in the Junction Avenue neighborhood, was recognized at the conference for her work.



Commissioner Contrada (at the podium) moderated one panel.



Alicia Smith, center, worked to include green infrastructure in the Junction Avenue neighborhood beautification plans.

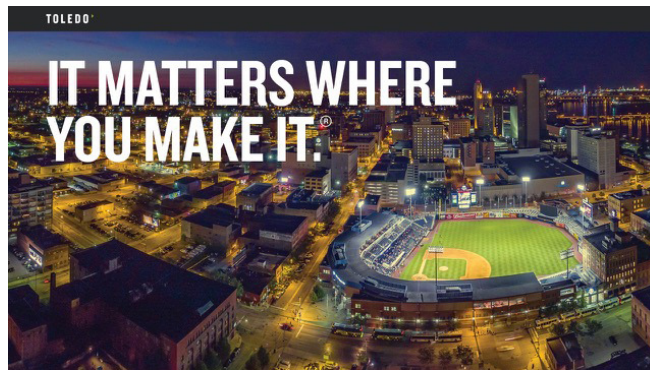
Lake Erie Watershed Conference



Elected officials, water quality professionals, and concerned citizens are invited to attend the second annual Rotary Lake Erie Watershed Conference. The full-day program will be held Friday, October 28, from 8 a.m. to 5 p.m. at the SeaGate Convention Centre...[read more](#)

MEMBER NEWS

Toledo: It Matters Where You Make It.



Several people in the TMACOG non-governmental member caucus held in August talked about the value of a regional branding campaign for northwest Ohio and southeast Michigan. Representatives of the Toledo Regional Chamber of Commerce (TRCC) directed members' attention to an existing comprehensive project. Following is information from TRCC's Toledo Region Talent Attraction Initiative...[read more](#)

Middlegrounds Metropark Models Stormwater

and Transportation Projects



Middlegrounds Metropark, the newest park in the Metroparks of the Toledo Area system, was opened to the public Saturday, September 17...[read more](#)

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