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# Memorandum

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**To:** Mayor and Members of Council  
**From:** Roxanne  
**Subject:** General Information  
**Date:** December 9, 2016

## CALENDAR

### AGENDAS

#### Monday, December 12<sup>th</sup>

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

1. Approval of Minutes from November 14, 2016 – a copy of the meeting minutes is enclosed
2. Review/Approval of the Power Supply Cost Adjustment Factor for December 2016 – the reports are attached
3. Electric Department Report for November 2016 is enclosed

#### Tuesday, December 13<sup>th</sup>

##### *Special Civil Service Commission Meeting @4:30 pm*

### CANCELLATIONS

1. Water/Sewer Committee
2. Municipal Properties/ED Committee

### INFORMATIONAL ITEMS

1. A copy of the letter Greg sent to all our Water Wholesale Customers this week.
2. *Thank-You* letter from Henry County Local Emergency Planning Committee
3. AMP Update/December 02, 2016
4. OML Legislative Bulletin/December 02, 2016



*City of Napoleon, Ohio*

**ELECTRIC COMMITTEE**

Meeting Agenda

**Monday, December 12, 2016 at 6:30 pm**

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

- 1) Approval of the Minutes from November 14, 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 December, 2016:  
PSCAF three (3) month averaged factor-\$0.00421  
JV2: \$0.057840  
JV5: \$0.057840
- 3) Electric Department Report.
- 4) Any other matters currently assigned to the Committee
- 5) Adjournment

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Gregory J. Heath  
Finance Director/Clerk of Council





DECEMBER 2016		City of Napoleon, Ohio									
DETERMINATION OF MONTHLY - POWER SUPPLY COST ADJUSTMENT FACTOR (PSCAF)											
AMP Billed Usage Month	City Billing Month	City Net (Prior Mo) kWh Delivered	Purchased Power Supply Costs (Net of Known) (Credit's) Actual Billed	Rolling 3-Month Totals Current + Prior 2 Months kWh Cost c + prior 2 Mo	Rolling 3-Month Totals Current + Prior 2 Months kWh Cost d + prior 2 Mo	Rolling 3 Month Average Cost f / e	Less: Fixed Base Power Supply Cost \$0.07194 Fixed	PSCA Dollar Difference + or (-) g + h	PSCAF 3 MONTH AVERAGED FACTOR i X 1.075		
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)		
		Actual Billed	Actual Billed	c + prior 2 Mo	d + prior 2 Mo	f / e	\$0.07194 Fixed	g + h	i X 1.075		
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	Mar '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	<b>15,596,452</b>	<b>\$ 1,210,058.88</b>	41,426,378	\$ 3,358,758.06	0.08108	\$(0.07194)	\$ 0.00914	\$ 0.00982		
Sep '16	Nov '16	<b>14,780,525</b>	<b>\$ 1,079,259.61</b>	44,006,274	\$ 3,369,937.96	0.07658	\$(0.07194)	\$ 0.00464	\$ 0.00499		
<b>Oct '16</b>	<b>Dec '16</b>	<b>12,402,405</b>	<b>\$ 955,761.68</b>	<b>42,779,382</b>	<b>\$ 3,245,080.17</b>	<b>0.07586</b>	<b>\$(0.07194)</b>	<b>\$ 0.00392</b>	<b>\$ 0.00421</b>		

**BILLING SUMMARY AND CONSUMPTION for BILLING CYCLE - DECEMBER, 2016**

2016 - DECEMBER BILLING WITH NOVEMBER 2016 DATA BILLING UNITS

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

DATA PERIOD	MONTH / YR	DAYS IN MONTH	MUNICIPAL PEAK						
AMP-Ohio Bill Month	OCTOBER, 2016	31	22.771						
City-System Data Month	NOVEMBER, 2016	30							
City-Monthly Billing Cycle	DECEMBER, 2016	31							
=====CONTRACTED AND OPEN MARKET POWER=====									
====PEAKING====									
=====HYDRO POWER=====									
<b>PURCHASED POWER-RESOURCES -&gt;</b>	<b>AMP CT</b>	<b>FREEMONT ENERGY</b>	<b>PRAIRIE STATE SCHED. @ PJMC</b>	<b>MORGAN STNLY REPLMNT.2015-20</b>	<b>NORTHERN POWER</b>	<b>JV-2 PEAKING</b>	<b>AMP-HYDRO CSW</b>	<b>MELDAHL-HYDRG SCHED. @</b>	<b>GREENUP HYDRG SCHED. @</b>
	<b>SCHED. @ ATSI</b>	<b>SCHEDULED</b>	<b>REPLMT@ PJMC</b>	<b>7x24 @ AD</b>	<b>POOL</b>	<b>SCHED. @ ATSI</b>	<b>SCHED. @ PJMC</b>	<b>MELDAHL BUS</b>	<b>GREENUP BUS</b>
Delivered kWh (On Peak) ->	0	0	3,753,368	2,827,200	1,382,823	37	1,049,203	213,198	138,827
Delivered kWh (Off Peak) ->					305,322				
Delivered kWh (Replacement/Losses/Offset) ->									
Delivered kWh/Sale (Credits) ->					-270,227				
<b>Net Total Delivered kWh as Billed -&gt;</b>	<b>0</b>	<b>0</b>	<b>3,753,368</b>	<b>2,827,200</b>	<b>1,417,918</b>	<b>37</b>	<b>1,049,203</b>	<b>213,198</b>	<b>138,827</b>
Percent % of Total Power Purchased->	0.0000%	0.0000%	30.2632%	22.7956%	11.4326%	0.0003%	8.4597%	1.7190%	1.1194%
<b>COST OF PURCHASED POWER:</b>									
<b>DEMAND CHARGES (+Debits)</b>									
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
<b>DEMAND CHARGES (-Credits)</b>									
Transmission Charges (Demand-Credits)	-\$29,649.45					-\$542.45			
Capacity Credit	-\$62,412.87	-\$34,075.08	-\$15,025.09			-\$1,487.38	-\$2,940.20	-\$1,708.74	-\$882.21
<b>Sub-Total Demand Charges</b>	<b>-\$57,226.75</b>	<b>\$51,336.34</b>	<b>\$143,317.04</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>-\$1,192.57</b>	<b>\$146,353.25</b>	<b>\$17,842.12</b>	<b>\$5,001.03</b>
<b>ENERGY CHARGES (+Debits):</b>									
Energy Charges - (On Peak)	\$0.00	\$0.00	\$35,295.66	\$177,972.24	\$60,678.56	\$1.63	-\$463.87	-\$22.66	\$131.47
Energy Charges - (Replacement/Off Peak)					\$9,633.65				
Net Congestion, Losses, FTR		\$0.00	\$6,382.55	-\$1,368.41			\$1,535.09	\$317.27	\$52.76
Transmission Charges (Energy-Debits)			\$54,337.21						
ESPP Charges									
Bill Adjustments (General & Rate Levelization)		\$0.00				\$3.46	\$3,359.68	-\$590.93	\$3,001.37
<b>ENERGY CHARGES (-Credits or Adjustments):</b>									
Energy Charges - On Peak (Sale or Rate Stabilization)					-\$5,960.03				
Net Congestion, Losses, FTR									
Bill Adjustments (General & Rate Levelization)			\$6,991.65				-\$2,098.41	-\$426.40	-\$277.65
<b>Sub-Total Energy Charges</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$103,007.07</b>	<b>\$176,603.83</b>	<b>\$64,352.18</b>	<b>\$5.09</b>	<b>\$2,332.49</b>	<b>-\$722.72</b>	<b>\$2,907.95</b>
<b>TRANSMISSION &amp; SERVICE CHARGES, MISC.:</b>									
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)									
<b>Sub-Total Service Fees &amp; Other Charges</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>TOTAL - ALL COSTS OF PURCHASED POWER</b>	<b>-\$57,226.75</b>	<b>\$51,336.34</b>	<b>\$246,324.11</b>	<b>\$176,603.83</b>	<b>\$64,352.18</b>	<b>-\$1,187.48</b>	<b>\$148,685.74</b>	<b>\$17,119.40</b>	<b>\$7,908.98</b>
<i>Purchased Power Resources - Cost per kWh-&gt;</i>	<i>\$0.000000</i>	<i>\$0.000000</i>	<i>\$0.065627</i>	<i>\$0.062466</i>	<i>\$0.045385</i>	<i>-\$32.094054</i>	<i>\$0.141713</i>	<i>\$0.080298</i>	<i>\$0.056970</i>

<b>BILLING SUMMARY AND CONS</b>									
<b>2016 - DECEMBER BILLING WITH NOVEMBER</b>									
<b>PREVIOUS MONTH'S POWER BILLS - PL</b>									
<b>DATA PERIOD</b>									
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 -
<b>PURCHASED POWER-RESOURCES -&gt;</b> (	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) ->	517,187	2,297,472	29,152	125,284	0	0	0	0	12,333,751
Delivered kWh (Off Peak) ->									305,322
Delivered kWh (Replacement/Losses/Offset) ->		33,559							33,559
Delivered kWh/Sale (Credits) ->									-270,227
<b>Net Total Delivered kWh as Billed -&gt;</b>	<b>517,187</b>	<b>2,331,031</b>	<b>29,152</b>	<b>125,284</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12,402,405</b>
Percent % of Total Power Purchased->	4.1701%	18.7950%	0.2351%	1.0102%	0.0000%	0.0000%	0.0000%	0.0000%	100.0002%
								Verification Total ->	100.0000%
<b>COST OF PURCHASED POWER:</b>									
<b>DEMAND CHARGES (+Debits)</b>									
Demand Charges	\$6,408.33	\$35,332.94	\$1,576.48			\$113,703.13			\$309,648.16
Debt Services (Principal & Interest)		\$55,381.81							\$356,908.46
<b>DEMAND CHARGES (-Credits)</b>									
Transmission Charges (Demand-Credits)		-\$11,587.20	-\$117.67						-\$41,896.77
Capacity Credit	-\$4,412.61	-\$14,514.20	-\$106.71						-\$137,565.09
<b>Sub-Total Demand Charges</b>	<b>\$1,995.72</b>	<b>\$64,613.35</b>	<b>\$1,352.10</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$113,703.13</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$487,094.76</b>
<b>ENERGY CHARGES (+Debits):</b>									
Energy Charges - (On Peak)	\$5,884.92	\$55,210.55		\$10,649.18		\$3,924.40			\$349,262.08
Energy Charges - (Replacement/Off Peak)									\$9,633.65
Net Congestion, Losses, FTR	\$4,061.35								\$10,980.61
Transmission Charges (Energy-Debits)									\$54,337.21
ESPP Charges					\$17,863.18				\$17,863.18
Bill Adjustments (General & Rate Levelization)								-\$130,000.00	-\$124,226.42
<b>ENERGY CHARGES (-Credits or Adjustments):</b>									
Energy Charges - On Peak (Sale or Rate Stabilization)									-\$5,960.03
Net Congestion, Losses, FTR									\$0.00
Bill Adjustments (General & Rate Levelization)	-\$4,108.18								\$81.01
<b>Sub-Total Energy Charges</b>	<b>\$5,838.09</b>	<b>\$55,210.55</b>	<b>\$0.00</b>	<b>\$10,649.18</b>	<b>\$17,863.18</b>	<b>\$3,924.40</b>	<b>\$0.00</b>	<b>-\$130,000.00</b>	<b>\$311,971.29</b>
<b>TRANSMISSION &amp; SERVICE CHARGES, MISC.:</b>									
RPM / PJM Charges Capacity - (+Debit)						\$146,513.82			\$146,513.82
RPM / PJM Charges Capacity - (-Credit)									\$0.00
Service Fees AMP-Dispatch Center - (+Debit/-Credit)							\$0.00		\$0.00
Service Fees AMP-Part A - (+Debit/-Credit)							\$2,969.55		\$2,969.55
Service Fees AMP-Part B - (+Debit/-Credit)							\$7,212.26		\$7,212.26
Other Charges & Bill Adjustments - (+Debit/-Credit)									\$0.00
<b>Sub-Total Service Fees &amp; Other Charges</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$146,513.82</b>	<b>\$10,181.81</b>	<b>\$0.00</b>	<b>\$156,695.63</b>
<b>TOTAL - ALL COSTS OF PURCHASED POWER</b>	<b>\$7,833.81</b>	<b>\$119,823.90</b>	<b>\$1,352.10</b>	<b>\$10,649.18</b>	<b>\$17,863.18</b>	<b>\$264,141.35</b>	<b>\$10,181.81</b>	<b>-\$130,000.00</b>	<b>\$955,761.68</b>
								Verification Total ->	\$955,761.68
Purchased Power Resources - Cost per kWh->	\$0.015147	\$0.051404	\$0.046381	\$0.085000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.077063
									(Northern Pool Power - On-Peak + Off-Peak - Energy Charge/kWH) = JV2 Electric Service Rate ->
									\$0.057840
									(Northern Pool Power - On-Peak + Off-Peak - Energy Charge/kWH) = JV5 Electric Service Rate ->
									\$0.057840



**AMERICAN MUNICIPAL POWER, INC.**

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

**INVOICE NUMBER:** 195423  
**INVOICE DATE:** 11/14/2016  
**DUE DATE:** 11/29/2016  
**TOTAL AMOUNT DUE:** \$807,419.18  
**CUSTOMER NUMBER:** 5020  
**CUSTOMER P.O. #:** RG10046

**City of Napoleon**

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

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

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**Northern Power Pool Billing - October, 2016**

MUNICIPAL PEAK: 22,771 kW  
TOTAL METERED ENERGY: 12,434,925 kWh

Total Power Charges:	\$663,096.02
Total Transmission Charges:	\$264,141.35
Total Other Charges:	\$10,181.81
Total Miscellaneous Charges:	-\$130,000.00

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**GRAND TOTAL POWER INVOICE: \$807,419.18**

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DETAIL INFORMATION OF POWER CHARGES October , 2016

Napoleon

FOR THE MONTH OF: October, 2016

Total Metered Load kWh:	12,434,925
Transmission Losses kWh:	-32,520
Distribution Losses kWh:	0
<b>Total Energy Req. kWh:</b>	<b>12,402,405</b>

TIME OF FENTS PEAK: 10/18/2016 @ H.E. 13:00  
 TIME OF MUNICIPAL PEAK: 10/06/2016 @ H.E. 16:00  
 TRANSMISSION PEAK: July, 2015

COINCIDENT PEAK kW:	21,614
MUNICIPAL PEAK kW:	22,771
TRANSMISSION PEAK kW:	30,302
PJM Capacity Requirement kW:	29,713

**Napoleon Resources**

<b>AMP CT - Sched @ ATSI</b>				
Demand Charge:	\$2.809320	/ kW *	12,400 kW =	\$34,835.57
Transmission Credit:	\$2.391085	/ kW *	-12,400 kW =	-\$29,649.45
Capacity Credit:	\$5.033296	/ kW *	-12,400 kW =	-\$62,412.87
<b>Subtotal</b>	<b>#N/A</b>	<b>/ kWh *</b>	<b>0 kWh =</b>	<b>-\$57,226.75</b>
<b>Fremont - sched @ Fremont</b>				
Demand Charge:	\$4.691658	/ kW *	8,767 kW =	\$41,131.77
Capacity Credit:	\$3.886743	/ kW *	-8,767 kW =	-\$34,075.08
Debt Service	\$5.050719	/ kW	8,767 kW	\$44,279.65
<b>Subtotal</b>	<b>#N/A</b>	<b>/ kWh *</b>	<b>0 kWh =</b>	<b>\$51,336.34</b>
<b>AMP Hydro CSW - Sched @ PJMC</b>				
Demand Charge:	\$5.186477	/ kW *	2,220 kW =	\$11,513.38
Energy Charge:	-\$0.000442	/ kWh *	1,049,203 kWh =	-\$463.87
Net Congestion, Losses, FTR:	\$0.001463	/ kWh *		\$1,535.09
Capacity Credit:	\$1.324483	/ kW *	-2,220 kW =	-\$2,940.20
Debt Service	\$62.066321	/ kW	2,220 kW	\$137,780.07
Board Approved Rate Levelization				\$3,359.68
REC Credit (Estimate)				-\$2,098.41
<b>Subtotal</b>	<b>\$0.141713</b>	<b>/ kWh *</b>	<b>1,049,203 kWh =</b>	<b>\$148,685.74</b>
<b>Meldahl Hydro - Sched @ Meldahl Bus</b>				
Demand Charge:	\$8.198948	/ kW *	504 kW =	\$4,132.27
Energy Charge:	-\$0.000106	/ kWh *	213,198 kWh =	-\$22.66
Net Congestion, Losses, FTR:	\$0.001488	/ kWh *		\$317.27
Capacity Credit:	\$3.390357	/ kW *	-504 kW =	-\$1,708.74
Debt Service	\$30.592440	/ kW	504 kW	\$15,418.59
Board Approved Rate Levelization				-\$590.93
REC Credit (Estimate)				-\$426.40
<b>Subtotal</b>	<b>\$0.080298</b>	<b>/ kWh *</b>	<b>213,198 kWh =</b>	<b>\$17,119.40</b>
<b>JV6 - Sched @ ATSI</b>				
Demand Charge:			300 kW	
Energy Charge:			29,152 kWh	
Transmission Credit:	\$0.392233	/ kW *	-300 kW =	-\$117.67
Capacity Credit:	\$0.355700	/ kW *	-300 kW =	-\$106.71
<b>Subtotal</b>	<b>-\$0.007697</b>	<b>/ kWh *</b>	<b>29,152 kWh =</b>	<b>-\$224.38</b>
<b>Greenup Hydro - Sched @ Greenup Bus</b>				
Demand Charge:	\$4.018000	/ kW *	330 kW =	\$1,325.94
Energy Charge:	\$0.000947	/ kWh *	138,827 kWh =	\$131.47
Net Congestion, Losses, FTR:	\$0.000380	/ kWh *		\$52.76
Capacity Credit:	\$2.673364	/ kW *	-330 kW =	-\$882.21
Debt Service	\$13.810000	/ kW	330 kW	\$4,557.30
Board Approved Rate Levelization				\$3,001.37
REC Credit (Estimate)				-\$277.65
<b>Subtotal</b>	<b>\$0.056970</b>	<b>/ kWh *</b>	<b>138,827 kWh =</b>	<b>\$7,908.98</b>
<b>Prairie State - Sched @ PJMC</b>				
Demand Charge:	\$11.826988	/ kW *	4,976 kW =	\$58,851.09
Energy Charge:	\$0.009404	/ kWh *	3,753,368 kWh =	\$35,295.66
Net Congestion, Losses, FTR:	\$0.001700	/ kWh *		\$6,382.55
Capacity Credit:	\$3.019512	/ kW *	-4,976 kW =	-\$15,025.09
Debt Service	\$19.994180	/ kW	4,976 kW	\$99,491.04
Transmission from PSEC to PJM/MISO, including non-Prairie State variable charges/credits	\$0.014477	/ kWh	3,753,368 kWh	\$54,337.21
Board Approved Rate Levelization				\$6,991.65
<b>Subtotal</b>	<b>\$0.065627</b>	<b>/ kWh *</b>	<b>3,753,368 kWh =</b>	<b>\$246,324.11</b>
<b>NYPA - Sched @ NYIS</b>				
Demand Charge:	\$6.795684	/ kW *	943 kW =	\$6,408.33
Energy Charge:	\$0.011379	/ kWh *	517,187 kWh =	\$5,884.92
Net Congestion, Losses, FTR:	\$0.007853	/ kWh *		\$4,061.35
Capacity Credit:	\$4.664493	/ kW *	-946 kW =	-\$4,412.61
Adjustment for prior month:				-\$4,108.18
<b>Subtotal</b>	<b>\$0.015147</b>	<b>/ kWh *</b>	<b>517,187 kWh =</b>	<b>\$7,833.81</b>
<b>JV5 - 7X24 @ ATSI</b>				
Demand Charge:			3,088 kW	
Energy Charge:			2,297,472 kWh	
Transmission Credit:	\$3.752332	/ kW *	-3,088 kW =	-\$11,587.20
Capacity Credit:	\$4.700194	/ kW *	-3,088 kW =	-\$14,514.20
<b>Subtotal</b>	<b>-\$0.011361</b>	<b>/ kWh *</b>	<b>2,297,472 kWh =</b>	<b>-\$26,101.40</b>
<b>JV5 Losses - Sched @ ATSI</b>				
Energy Charge:			33,559 kWh	
<b>Subtotal</b>	<b>#N/A</b>	<b>/ kWh *</b>	<b>33,559 kWh =</b>	<b>\$0.00</b>
<b>JV2 - Sched @ ATSI</b>				
Demand Charge:			264 kW	
Energy Charge:	\$0.044042	/ kWh *	37 kWh =	\$1.63

DETAIL INFORMATION OF POWER CHARGES October , 2016

Napoleon

Transmission Credit:	\$2.054735	/ kW *	-264 kW =	-\$542.45
Capacity Credit:	\$5.634015	/ kW *	-264 kW =	-\$1,487.38
<b>Subtotal</b>	<b>-\$54.800700</b>	<b>/ kWh *</b>	<b>37 kWh =</b>	<b>-\$2,028.20</b>
<b>AMP Solar Phase I - Sched @ ATSI</b>				
Demand Charge:			1,040 kW	
Energy Charge:	\$0.085000	/ kWh *	125,284 kWh =	\$10,649.18
<b>Subtotal</b>	<b>\$0.085000</b>	<b>/ kWh *</b>	<b>125,284 kWh =</b>	<b>\$10,649.18</b>
<b>Morgan Stanley 2015-2020 - 7x24 @ AD</b>				
Demand Charge:			3,800 kW	
Energy Charge:	\$0.062950	/ kWh *	2,827,200 kWh =	\$177,972.24
Net Congestion, Losses, FTR:	-\$0.000484	/ kWh *		-\$1,368.41
<b>Subtotal</b>	<b>\$0.062466</b>	<b>/ kWh *</b>	<b>2,827,200 kWh =</b>	<b>\$176,603.83</b>
<b>Efficiency Smart Power Plant 2014-2017</b>				
ESPP 2014-2017 obligation @ \$1.400 /MWh x 153,113. MWh / 12				\$17,863.18
<b>Subtotal</b>	<b>#N/A</b>	<b>/ kWh *</b>	<b>0 kWh =</b>	<b>\$17,863.18</b>
<b>Northern Power Pool:</b>				
On Peak Energy Charge: (M-F HE 08-23 EDT)	\$0.043880	/ kWh *	1,382,823 kWh =	\$60,678.56
Off Peak Energy Charge:	\$0.031552	/ kWh *	305,322 kWh =	\$9,633.65
Sale of Excess Non-Pool Resources to Pool	\$0.022056	/ kWh *	-270,226 kWh =	-\$5,960.03
<b>Subtotal</b>	<b>\$0.045385</b>	<b>/ kWh *</b>	<b>1,417,918 kWh =</b>	<b>\$64,352.18</b>
<b>Total Demand Charges:</b>				<b>\$280,263.14</b>
<b>Total Energy Charges:</b>				<b>\$382,832.88</b>
<b>Total Power Charges:</b>			<b>12,402,405 kWh</b>	<b>\$663,096.02</b>
<b>TRANSMISSION CHARGES:</b>				
Demand Charge:	\$3.752331	/ kW *	30,302 kW =	\$113,703.13
Energy Charge:	\$0.000388	/ kWh *	10,104,933 kWh =	\$3,924.40
RPM (Capacity) Charges:	\$4.931000	/ kW *	29,713 kW =	\$146,513.82
<b>TOTAL TRANSMISSION CHARGES:</b>	<b>\$0.026140</b>	<b>/ kWh *</b>	<b>10,104,933 kWh =</b>	<b>\$264,141.35</b>
<b>Service Fee Part A,</b>				
Based on Annual Municipal Sales	\$0.000229	/ kWh *	155,609,698 kWh 1/12 =	\$2,969.55
<b>Service Fee Part B,</b>				
Energy Purchases	\$0.000580	/ kWh *	12,434,925 kWh =	\$7,212.26
<b>TOTAL OTHER CHARGES:</b>				<b>\$10,181.81</b>
<b>MISCELLANEOUS CHARGES:</b>				
Deposit / (Withdraw) from RSF account				-\$130,000.00
<b>TOTAL MISCELLANEOUS CHARGES:</b>				<b>-\$130,000.00</b>
<b>GRAND TOTAL POWER INVOICE:</b>				<b>\$807,419.18</b>

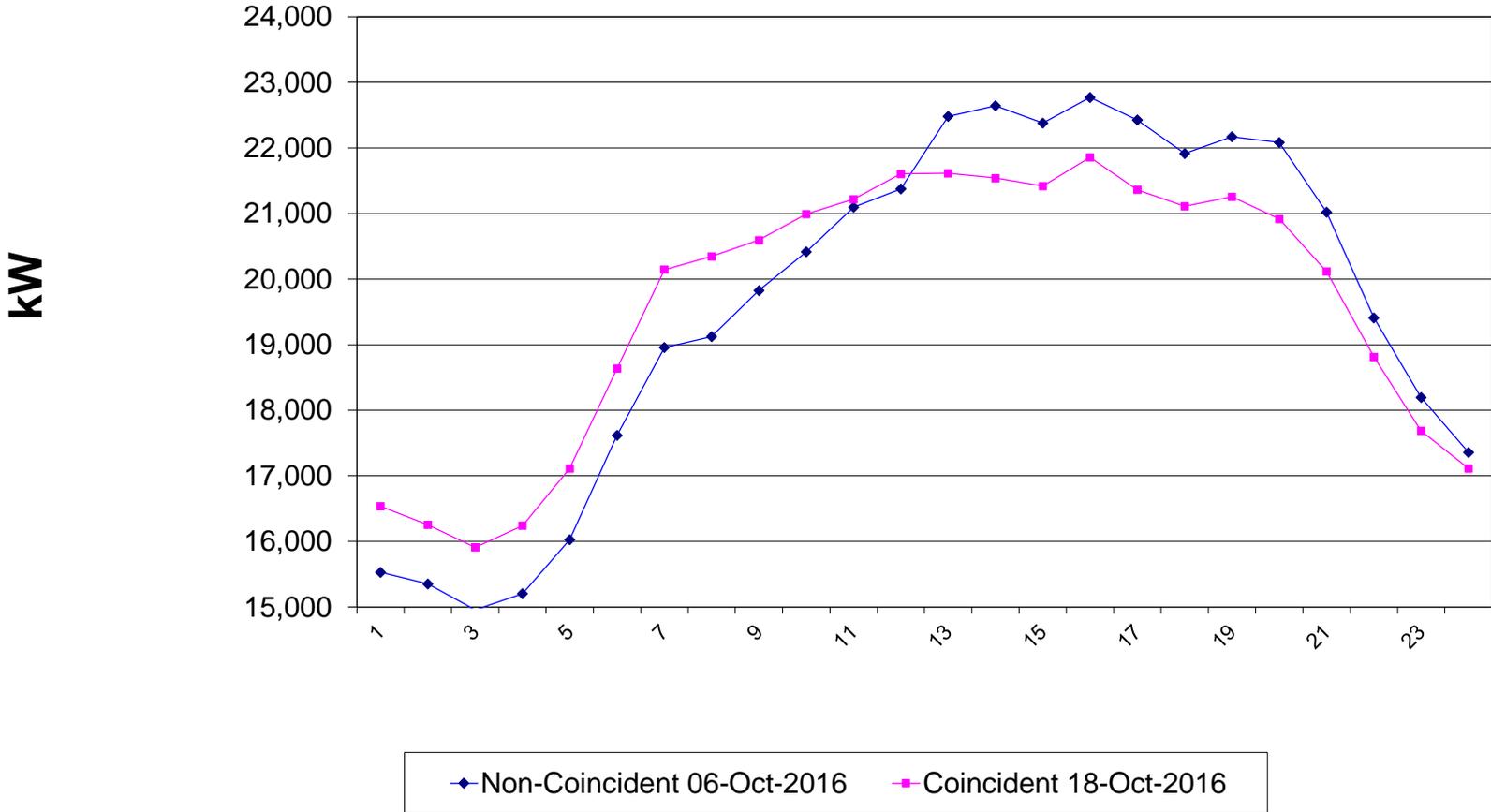
Napoleon Capacity Plan - Actual												
Oct	2016	ACTUAL DEMAND =		22.771	MW							
Days	31	ACTUAL ENERGY =		12,435	MWH							
	SOURCE	DEMAND	ENERGY	LOAD	RATE	RATE	DEMAND	ENERGY	TOTAL	EFFECTIVE	%	
	(1)	MW	MWH	FACTOR	\$/KW	\$/MWH	CHARGE	CHARGE	CHARGES	\$/MWH	OF DOLLARS	
	(1)	(2)	(4)	(5)	(6)	(7)	(9)	(10)	(11)	(12)	(13)	
1	NPP Pool Purchases	0.00	1,688	0%	\$0.00	\$41.65	\$0	\$70,312	\$70,312	\$41.65	6.5%	
2	NPP Pool Sales	0.00	-270	0%	\$0.00	\$22.06	\$0	-\$5,960	-\$5,960	\$22.06	-0.6%	
3	AFEC	8.77	0	0%	\$5.86	\$0.00	\$51,336	\$0	\$51,336	\$0.00	4.7%	
4	Prairie State	4.98	3,753	101%	\$30.21	\$25.58	\$150,309	\$96,015	\$246,324	\$65.63	22.7%	
5	NYPA - Ohio	0.94	517	74%	-\$2.24	\$19.23	-\$2,112	\$9,946	\$7,834	\$15.15	0.7%	
6	JV5	3.09	2,297	100%	\$20.92	\$24.03	\$64,613	\$55,211	\$119,824	\$52.15	11.1%	
7	JV5 Losses	0.00	34	0%	\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%	
8	AMP-Hydro	2.22	1,049	64%	\$66.50	\$1.02	\$147,615	\$1,071	\$148,686	\$141.71	13.7%	
9	Meldahl	0.50	213	57%	\$33.38	\$1.38	\$16,825	\$295	\$17,119	\$80.30	1.6%	
10	Greenup	0.33	139	57%	\$23.41	\$1.33	\$7,725	\$184	\$7,909	\$56.97	0.7%	
11	JV6	0.30	29	13%	\$4.51	\$0.00	\$1,352	\$0	\$1,352	\$46.38	0.1%	
12	AMP Solar Phase I	1.04	125	16%	\$0.00	\$85.00	\$0	\$10,649	\$10,649	\$85.00	1.0%	
13	Morgan Stanley 2015-2020 7x24	3.80	2,827	100%	\$0.00	\$62.47	\$0	\$176,604	\$176,604	\$62.47	16.3%	
14	AMPCT	12.40	0	0%	-\$4.62	\$0.00	-\$57,227	\$0	-\$57,227	\$0.00	-5.3%	
15	JV2	0.26	0	0%	-\$4.50	\$44.04	-\$1,189	\$2	-\$1,187	-\$32,085.38	-0.1%	
	<b>POWER TOTAL</b>	<b>38.63</b>	<b>12,402</b>	<b>43%</b>			<b>\$379,246</b>	<b>\$414,329</b>	<b>\$793,575</b>	<b>\$63.99</b>	<b>73.3%</b>	
16	Energy Efficiency		0		\$0.00	\$0.00	\$0	\$17,863	\$17,863	\$0.00	1.6%	
17	Installed Capacity	29.71			\$4.93		\$146,514	\$0	\$146,514	\$11.78	13.5%	
18	TRANSMISSION	30.30	10,105		\$3.75	\$0.39	\$113,703	\$3,924	\$117,628	\$9.46	10.9%	
19	Distribution Charge	22.77			\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%	
20	Service Fee B		12,435			\$0.58		\$7,212	\$7,212	\$0.58	0.7%	
21	Dispatch Charge		12,435			\$0.00		\$0	\$0	\$0.00	0.0%	
	<b>OTHER TOTAL</b>						<b>\$260,217</b>	<b>\$29,000</b>	<b>\$289,217</b>	<b>\$23.26</b>	<b>26.7%</b>	
<b>GRAND TOTAL PURCHASED</b>			<b>12,402</b>				<b>\$639,463</b>	<b>\$443,329</b>	<b>\$1,082,792</b>			
Delivered to members		22.771	<b>12,435</b>	73%			<b>\$639,463</b>	<b>\$443,329</b>	<b>\$1,082,792</b>	<b>\$87.08</b>	100.0%	
		DEMAND	ENERGY	L.F.					TOTAL \$	\$/MWh	Avg Temp	
	2016 Forecast	21.50	13,259	83%					\$1,199,606	\$90.48	52.3	
	2015 Actual	22.89	13,525	79%					\$949,998	\$70.24	53.4	
	2014 Actual	21.15	13,041	83%					\$904,445	\$69.36	51.5	
									Actual Temp		59.2	

NAPOLEON

Date	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Hour	10/1/2016	10/2/2016	10/3/2016	10/4/2016	10/5/2016	10/6/2016	10/7/2016	10/8/2016	10/9/2016	10/10/2016	10/11/2016	10/12/2016	10/13/2016	10/14/2016	10/15/2016
100	13,127	12,151	13,360	14,265	13,789	15,529	16,532	13,536	12,236	13,829	15,027	15,082	14,964	15,278	12,801
200	12,912	11,896	13,223	14,127	13,443	15,353	16,089	13,196	12,058	13,825	14,954	14,788	14,927	15,225	12,668
300	12,672	11,868	13,190	14,033	13,244	14,956	15,809	13,044	11,824	13,859	14,592	14,585	14,891	15,018	12,420
400	12,874	12,081	13,614	14,406	13,529	15,205	15,793	13,160	11,750	14,392	14,908	14,978	15,102	15,370	12,405
500	13,080	12,297	14,555	15,175	14,322	16,027	16,409	13,392	12,003	15,220	15,786	15,770	15,656	15,950	12,751
600	13,579	12,762	15,734	16,320	15,688	17,617	17,650	13,652	12,458	16,548	17,017	17,319	16,865	17,321	13,488
700	14,195	13,102	17,530	17,695	16,870	18,957	18,882	14,275	13,036	17,992	18,270	18,800	17,996	18,937	14,566
800	14,681	13,406	18,327	18,135	17,380	19,124	19,153	14,920	13,309	18,060	18,715	18,675	18,238	18,948	14,752
900	15,307	13,704	18,706	18,455	17,897	19,827	19,831	15,546	13,761	18,346	19,039	18,557	18,894	18,787	15,258
1000	15,411	14,212	18,678	18,954	18,330	20,416	20,550	15,773	13,815	18,698	18,807	18,907	18,993	18,842	15,566
1100	15,363	14,047	18,759	19,175	18,715	21,098	21,075	15,990	14,052	18,751	19,010	18,945	18,729	18,988	15,522
1200	15,469	14,120	19,159	19,210	19,018	21,377	21,577	15,548	14,296	18,892	19,165	19,335	18,998	18,583	15,176
1300	14,964	14,025	18,872	19,821	19,273	22,482	21,728	15,304	14,026	18,845	19,222	19,430	18,994	18,691	14,417
1400	15,122	14,247	18,570	19,409	19,644	22,644	21,697	15,180	13,905	18,800	19,189	19,443	18,444	18,392	14,718
1500	14,678	14,437	18,410	19,118	19,278	22,379	21,865	14,672	14,409	17,938	18,550	19,177	17,993	17,726	14,574
1600	14,710	14,746	18,031	19,051	19,616	22,771	22,087	14,716	14,463	18,079	18,708	19,394	18,004	17,799	14,450
1700	14,464	14,821	17,654	18,440	18,996	22,426	21,367	14,486	14,402	17,809	18,267	19,269	17,715	17,357	14,569
1800	14,677	14,780	17,645	18,330	18,991	21,916	20,470	14,613	14,697	17,710	18,390	19,413	17,729	17,231	14,517
1900	15,011	15,490	18,194	18,735	19,580	22,170	20,382	15,308	15,643	18,681	19,135	19,771	18,723	17,955	15,622
2000	15,412	15,791	18,579	19,012	19,624	22,084	20,052	15,316	15,600	18,794	19,146	19,140	18,945	17,915	15,592
2100	14,935	15,167	17,617	18,002	18,899	21,022	18,885	14,896	15,060	18,086	18,192	18,697	18,026	17,396	15,387
2200	14,157	14,146	16,426	16,103	17,918	19,408	17,555	14,182	14,453	16,746	17,063	17,450	16,805	16,472	14,698
2300	13,282	13,807	15,510	15,065	16,925	18,195	15,927	13,263	14,048	15,921	16,128	16,449	16,110	14,638	13,803
2400	12,547	13,828	15,003	14,418	16,128	17,357	14,349	12,675	14,032	15,475	15,568	15,815	15,829	13,259	12,960
Total	342,629	330,931	405,346	415,454	400,969	470,340	455,714	346,643	329,336	410,576	422,848	429,189	417,570	412,078	342,680

Date	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday
Hour	10/16/2016	10/17/2016	10/18/2016	10/19/2016	10/20/2016	10/21/2016	10/22/2016	10/23/2016	10/24/2016	10/25/2016	10/26/2016	10/27/2016	10/28/2016	10/29/2016	10/30/2016	10/31/2016
100	12,314	14,507	16,536	16,341	15,978	15,819	13,329	11,903	13,148	14,982	15,784	16,176	15,768	12,436	11,812	13,613
200	12,097	14,330	16,253	15,798	15,842	15,728	13,079	11,588	13,093	14,728	15,924	15,968	15,807	12,164	11,659	13,630
300	11,872	14,123	15,910	15,348	15,510	15,501	13,144	11,556	12,914	14,598	15,870	15,912	15,719	11,984	11,400	13,284
400	11,937	14,609	16,242	15,683	15,853	15,808	13,486	11,627	13,536	15,044	16,168	15,990	16,068	12,208	11,575	13,981
500	12,015	15,641	17,112	16,618	16,529	16,597	13,739	11,768	14,737	15,938	16,970	16,893	17,287	12,491	11,786	15,220
600	12,479	17,491	18,636	17,747	17,994	18,001	14,367	12,133	16,179	17,519	18,700	18,295	18,394	13,014	12,065	16,762
700	12,894	19,115	20,144	18,826	19,629	19,457	15,289	12,781	17,830	19,100	20,376	19,696	20,268	13,975	12,694	18,860
800	12,982	19,181	20,346	19,468	19,901	19,685	15,823	13,007	17,956	19,195	20,660	20,152	20,290	14,385	13,036	18,903
900	13,487	19,696	20,595	19,721	20,017	19,526	15,931	13,376	18,091	19,194	20,636	20,058	20,056	14,862	13,755	19,047
1000	14,279	20,377	20,992	20,035	20,094	19,765	16,081	13,458	18,549	19,003	20,835	20,294	19,962	14,938	13,828	18,971
1100	14,487	20,747	21,220	20,455	20,056	19,743	15,616	13,479	18,077	19,100	20,712	20,351	19,727	15,104	14,063	19,155
1200	15,291	21,215	21,605	20,718	20,278	19,572	15,545	13,230	18,504	18,847	20,698	20,263	19,518	14,541	14,015	19,384
1300	15,511	21,307	21,614	20,467	20,276	19,082	15,479	13,289	18,314	18,891	20,722	19,856	19,403	14,620	14,298	19,082
1400	15,376	21,449	21,541	20,305	20,090	19,048	14,474	13,291	18,308	18,225	20,447	19,497	18,714	14,466	13,584	18,987
1500	15,216	21,406	21,420	19,899	19,657	18,182	14,108	13,483	17,417	17,825	20,051	19,236	18,381	14,024	14,103	18,477
1600	15,368	21,527	21,857	20,133	19,608	18,344	14,154	13,751	17,251	17,703	20,045	19,457	18,127	13,812	14,383	18,478
1700	15,469	21,226	21,363	19,726	19,339	18,068	14,170	13,876	17,088	17,470	20,209	19,267	17,383	13,934	14,388	18,071
1800	16,137	21,303	21,111	19,920	19,861	18,218	14,470	14,429	17,445	18,029	20,819	19,879	18,012	14,436	15,220	18,180
1900	16,683	21,925	21,257	20,507	19,992	18,492	15,422	15,458	18,427	18,946	21,043	20,328	18,397	14,921	15,573	18,747
2000	16,403	21,685	20,919	20,183	19,538	18,256	15,255	15,236	18,128	18,741	20,478	20,029	18,276	14,755	15,256	18,970
2100	15,685	20,610	20,117	19,311	18,902	17,887	14,959	14,511	17,437	18,119	19,384	19,153	17,719	14,356	15,368	18,531
2200	14,919	18,939	18,813	18,217	17,747	17,008	14,345	13,742	16,541	17,495	18,126	17,866	16,432	13,632	13,640	17,464
2300	14,733	17,927	17,686	17,253	16,691	15,262	13,299	13,330	15,786	16,828	17,405	16,888	14,118	12,930	13,568	16,563
2400	14,771	17,337	17,112	16,589	16,264	13,875	12,448	13,487	15,450	16,407	16,822	16,338	12,906	12,378	13,717	16,273
Total	342,405	440,336	470,401	449,268	445,646	426,924	348,012	317,789	400,206	421,927	458,884	447,842	426,732	330,366	323,786	418,633
											Maximum	22,771	Minimum	11,400	Grand Total	12,434,925

# 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:** 195241

**INVOICE DATE:** 11/2/2016

**DUE DATE:** 11/14/2016

**TOTAL AMOUNT DUE:** \$840.72

**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 -**

**October, 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		=	\$3.46

**TOTAL CHARGES**

**\$840.72**



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:** 195321  
**INVOICE DATE:** 11/1/2016  
**DUE DATE:** 11/11/2016  
**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:** October, 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

**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

**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:** 195363  
**INVOICE DATE:** 11/1/2016  
**DUE DATE:** 11/11/2016  
**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**

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**FOR THE MONTH/YEAR OF:** **November, 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:** 195381  
**INVOICE DATE:** 11/1/2016  
**DUE DATE:** 11/16/2016  
**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.

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**Omega JV6**

Project Capacity: 300 kW

**Year 2016**

Electric Fixed

300 kW \* 5.25 per kW-Month

Total

November, 2016 -

Electric Fixed

\$1,576.48

AMOUNT DUE FOR :

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**TOTAL CHARGES**

**\$1,576.48**

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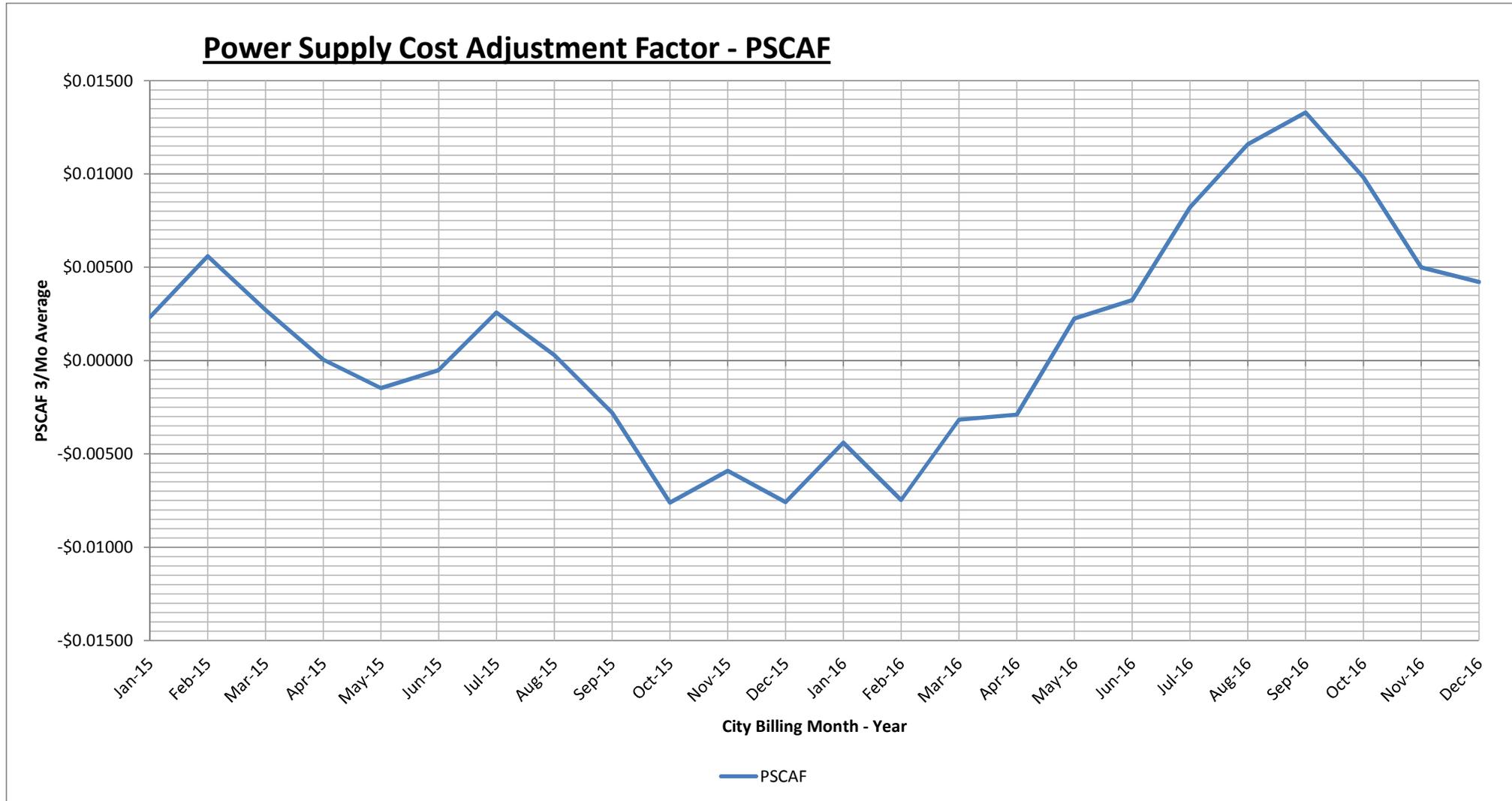
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<b>BILLING SUMMARY AND CONSUMPTION for BILLING CYCLE - DECEMBER, 2016</b>																
<b>DECEMBER, 2016</b>																
<b>2016 - DECEMBER BILLING WITH NOVEMBER 2016 DATA BILLING UNITS</b>																
Class and/or Schedule	Rate Code	Nov-16		Nov-16 Billed	Billed kVa of Demand	Cost / kWh For Month	Cost / kWh Prior 12 Mo Average	Dec-15		Dec-15 Billed	Cost / kWh For Month	Jan-16		Jan-16 Billed	Cost / kWh For Month	
		# of Bills	(kWh Usage)					# of Bills	(kWh Usage)			# of Bills	(kWh Usage)			
Residential (Dom-In)	E1	3,318	2,147,731	\$242,932.58	0	\$0.1131	\$0.1110	3,356	1,798,371	\$184,274.36	\$0.1025	3,336	1,861,416	\$195,822.68	\$0.1052	
Residential (Dom-In) w/Ecosmart	E1E	9	4,777	\$550.03	0	\$0.1151	\$0.1138	10	4,126	\$436.57	\$0.1058	10	4,037	\$441.29	\$0.1093	
Residential (Dom-In - All Electric)	E2	610	350,406	\$40,046.25	0	\$0.1143	\$0.1079	608	377,629	\$38,115.47	\$0.1009	603	469,722	\$47,982.01	\$0.1021	
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	1	609	\$69.24	0	\$0.1137	\$0.1116	1	616	\$62.21	\$0.1010	1	481	\$51.43	\$0.1069	
<b>Total Residential (Domestic)</b>		<b>3,938</b>	<b>2,503,523</b>	<b>\$283,598.10</b>	<b>0</b>	<b>\$0.1133</b>	<b>\$0.1104</b>	<b>3,975</b>	<b>2,180,742</b>	<b>\$222,888.61</b>	<b>\$0.1022</b>	<b>3,950</b>	<b>2,335,656</b>	<b>\$244,297.41</b>	<b>\$0.1046</b>	
Residential (Rural-Out)	ER1	761	655,236	\$78,722.02	0	\$0.1201	\$0.1160	758	639,997	\$69,004.14	\$0.1078	756	692,545	\$76,216.42	\$0.1101	
Residential (Rural-Out) w/Ecosmart	ER1E	4	2,236	\$282.84	0	\$0.1265	\$0.1203	4	2,380	\$268.56	\$0.1128	4	2,902	\$327.89	\$0.1130	
Residential (Rural-Out - All Electric)	ER2	381	359,421	\$42,825.95	0	\$0.1192	\$0.1141	387	392,331	\$41,522.79	\$0.1058	383	425,593	\$46,020.44	\$0.1081	
Res. (Rural-Out - All Electric) w/Ecosmart	ER2E	2	1,322	\$163.49	0	\$0.1237	\$0.1149	2	1,653	\$178.64	\$0.1081	2	2,005	\$218.79	\$0.1091	
Residential (Rural-Out w/Dmd)	ER3	16	17,439	\$2,051.35	153	\$0.1176	\$0.1079	15	54,195	\$5,333.52	\$0.0984	16	98,686	\$9,894.24	\$0.1003	
Residential (Rural-Out - All Electric w/Dm	ER4	9	8,288	\$989.52	88	\$0.1194	\$0.1120	9	28,708	\$2,837.96	\$0.0989	9	13,792	\$1,455.82	\$0.1056	
<b>Total Residential (Rural)</b>		<b>1,173</b>	<b>1,043,942</b>	<b>\$125,035.17</b>	<b>241</b>	<b>\$0.1198</b>	<b>\$0.1151</b>	<b>1,175</b>	<b>1,119,264</b>	<b>\$119,145.61</b>	<b>\$0.1064</b>	<b>1,170</b>	<b>1,235,523</b>	<b>\$134,133.60</b>	<b>\$0.1086</b>	
Commercial (1 Ph-In - No Dmd)	EC2	74	46,563	\$6,545.95	14	\$0.1406	\$0.1373	74	46,142	\$5,915.34	\$0.1282	74	43,794	\$5,800.34	\$0.1324	
Commercial (1 Ph-Out - No Dmd)	EC2O	45	7,372	\$1,437.56	0	\$0.1950	\$0.1860	43	10,729	\$1,686.33	\$0.1572	43	8,154	\$1,432.14	\$0.1756	
<b>Total Commercial (1 Ph) No Dmd</b>		<b>119</b>	<b>53,935</b>	<b>\$7,983.51</b>	<b>14</b>	<b>\$0.1480</b>	<b>\$0.1441</b>	<b>117</b>	<b>56,871</b>	<b>\$7,601.67</b>	<b>\$0.1337</b>	<b>117</b>	<b>51,948</b>	<b>\$7,232.48</b>	<b>\$0.1392</b>	
Commercial (1 Ph-In - w/Demand)	EC1	258	335,821	\$47,217.20	2050	\$0.1406	\$0.1337	255	279,725	\$37,007.69	\$0.1323	255	275,088	\$36,491.09	\$0.1327	
Commercial (1 Ph-Out - w/Demand)	EC1O	25	30,652	\$4,264.42	173	\$0.1391	\$0.1323	24	25,782	\$3,300.75	\$0.1280	24	30,192	\$3,885.43	\$0.1287	
<b>Total Commercial (1 Ph) w/Demand</b>		<b>283</b>	<b>366,473</b>	<b>\$51,481.62</b>	<b>2,223</b>	<b>\$0.1405</b>	<b>\$0.1336</b>	<b>279</b>	<b>305,507</b>	<b>\$40,308.44</b>	<b>\$0.1319</b>	<b>279</b>	<b>305,280</b>	<b>\$40,376.52</b>	<b>\$0.1323</b>	
Commercial (3 Ph-Out - No Dmd)	EC4O	2	40	\$40.87	4	\$1.0218	\$0.1362	2	40	\$40.37	\$1.0093	2	15,040	\$1,719.24	\$0.1143	
<b>Total Commercial (3 Ph) No Dmd</b>		<b>2</b>	<b>40</b>	<b>\$40.87</b>	<b>4</b>	<b>\$1.0218</b>	<b>\$0.1362</b>	<b>2</b>	<b>40</b>	<b>\$40.37</b>	<b>\$1.0093</b>	<b>2</b>	<b>15,040</b>	<b>\$1,719.24</b>	<b>\$0.1143</b>	
Commercial (3 Ph-In - w/Demand)	EC3	203	1,651,057	\$199,730.82	5804	\$0.1210	\$0.1188	206	1,511,932	\$165,693.78	\$0.1096	205	1,414,090	\$158,505.09	\$0.1121	
Commercial (3 Ph-Out - w/Demand)	EC3O	38	412,387	\$49,235.84	1569	\$0.1194	\$0.1176	39	556,051	\$58,181.67	\$0.1046	39	438,660	\$48,468.19	\$0.1105	
Commercial (3 Ph-Out - w/Dmd.&Sub-St	E3SO	3	133,720	\$15,002.98	447	\$0.1122	\$0.1107	3	135,280	\$13,741.63	\$0.1016	3	137,480	\$14,239.58	\$0.1036	
Commercial (3 Ph-In - w/Demand, No Ta	EC3T	1	5,680	\$686.81	23	\$0.1209	\$0.1229	1	2,400	\$284.95	\$0.1187	1	1,840	\$211.56	\$0.1150	
<b>Total Commercial (3 Ph) w/Demand</b>		<b>245</b>	<b>2,202,844</b>	<b>\$264,656.45</b>	<b>7,843</b>	<b>\$0.1201</b>	<b>\$0.1180</b>	<b>249</b>	<b>2,205,663</b>	<b>\$237,902.03</b>	<b>\$0.1079</b>	<b>248</b>	<b>1,992,070</b>	<b>\$221,424.42</b>	<b>\$0.1112</b>	
Large Power (In - w/Dmd & Rct)	EL1	20	2,303,124	\$218,711.68	5223	\$0.0950	\$0.0945	21	2,693,896	\$220,257.42	\$0.0818	21	2,403,640	\$211,797.66	\$0.0881	
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	3	966,087	\$86,575.44	1922	\$0.0896	\$0.0875	3	1,099,839	\$82,880.55	\$0.0754	3	994,472	\$79,375.27	\$0.0798	
Large Power (Out - w/Dmd & Rct, w/SbCr)	EL2O	1	475,200	\$44,870.95	1041	\$0.0944	\$0.0939	1	332,400	\$28,057.68	\$0.0844	1	295,200	\$26,076.76	\$0.0883	
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	45,195	\$8,059.22	307	\$0.1783	\$0.1393	2	79,597	\$5,934.15	\$0.0746	2	70,607	\$7,256.69	\$0.1028	
<b>Total Large Power</b>		<b>26</b>	<b>3,789,606</b>	<b>\$358,217.29</b>	<b>8,493</b>	<b>\$0.0945</b>	<b>\$0.0936</b>	<b>27</b>	<b>4,205,732</b>	<b>\$337,129.80</b>	<b>\$0.0802</b>	<b>27</b>	<b>3,763,919</b>	<b>\$324,506.38</b>	<b>\$0.0862</b>	
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	1	1,120,127	\$93,821.52	2042	\$0.0838	\$0.0815	1	1,206,433	\$83,318.08	\$0.0691	1	1,156,158	\$87,758.35	\$0.0759	
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	1	866,459	\$74,763.55	1707	\$0.0863	\$0.0804	1	1,128,579	\$79,886.73	\$0.0708	1	1,023,505	\$77,586.44	\$0.0758	
<b>Total Industrial</b>		<b>2</b>	<b>1,986,586</b>	<b>\$168,585.07</b>	<b>3,749</b>	<b>\$0.0849</b>	<b>\$0.0810</b>	<b>2</b>	<b>2,335,012</b>	<b>\$163,204.81</b>	<b>\$0.0699</b>	<b>2</b>	<b>2,179,663</b>	<b>\$165,344.79</b>	<b>\$0.0759</b>	
Interdepartmental (In - No Dmd)	ED1	8	32,523	\$3,903.77	146	\$0.1200	\$0.1094	8	34,464	\$3,802.92	\$0.1103	8	63,180	\$6,320.99	\$0.1000	
Interdepartmental (Out - w/Dmd)	ED2O	2	396	\$72.33	0	\$0.1827	\$0.1746	2	327	\$59.81	\$0.1829	2	238	\$50.86	\$0.2137	
Interdepartmental (In - w/Dmd)	ED2	27	21,392	\$2,928.44	0	\$0.1369	\$0.1247	29	36,570	\$4,336.96	\$0.1186	27	49,447	\$5,868.15	\$0.1187	
Interdepartmental (3Ph-In - w/Dmd)	ED3	11	207,490	\$23,420.90	731	\$0.1129	\$0.1085	11	214,542	\$21,414.53	\$0.0998	11	205,612	\$21,129.50	\$0.1028	
Interdepartmental (Street Lights)	EDSL	7	62,879	\$5,849.08	0	\$0.0930	\$0.0930	7	62,879	\$5,862.30	\$0.0932	7	62,879	\$5,850.15	\$0.0930	
Interdepartmental (Traffic Signals)	EDTS	9	1,716	\$158.67	0	\$0.0925	\$0.0925	15	1,974	\$182.51	\$0.0925	15	1,837	\$169.84	\$0.0925	
Generators (JV2 Power Cost Only)	GJV2	1	17,504	\$1,768.25	29	\$0.1010	\$0.0000	1	17,671	\$662.84	\$0.0375	1	19,199	\$676.19	\$0.0352	
Generators (JV5 Power Cost Only)	GJV5	1	12,279	\$1,240.42	21	\$0.1010	\$0.0000	1	12,297	\$461.26	\$0.0375	1	13,204	\$465.04	\$0.0352	
<b>Total Interdepartmental</b>		<b>66</b>	<b>356,179</b>	<b>\$39,341.86</b>	<b>927</b>	<b>\$0.1105</b>	<b>\$0.1019</b>	<b>74</b>	<b>380,724</b>	<b>\$36,783.13</b>	<b>\$0.0966</b>	<b>72</b>	<b>415,596</b>	<b>\$40,530.72</b>	<b>\$0.0975</b>	
<b>SUB-TOTAL CONSUMPTION &amp; DEMAND</b>		<b>5,854</b>	<b>12,303,128</b>	<b>\$1,298,939.94</b>	<b>23,494</b>	<b>\$0.1056</b>	<b>\$0.1027</b>	<b>5,900</b>	<b>12,789,555</b>	<b>\$1,165,004.47</b>	<b>\$0.0911</b>	<b>5,867</b>	<b>12,294,695</b>	<b>\$1,179,565.56</b>	<b>\$0.0959</b>	
Street Lights (In)	SLO	16	0	\$13.73	0	\$0.0000	\$0.2335	15	0	\$13.59	\$0.0000	15	0	\$13.59	\$0.0000	
Street Lights (Out)	SLOO	2	0	\$1.92	0	\$0.0000	\$0.0000	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000	
<b>Total Street Light Only</b>		<b>18</b>	<b>0</b>	<b>\$15.65</b>	<b>0</b>	<b>\$0.0000</b>	<b>\$0.2406</b>	<b>17</b>	<b>0</b>	<b>\$14.36</b>	<b>\$0.0000</b>	<b>17</b>	<b>0</b>	<b>\$14.36</b>	<b>\$0.0000</b>	
<b>TOTAL CONSUMPTION &amp; DEMAND</b>		<b>5,872</b>	<b>12,303,128</b>	<b>\$1,298,955.59</b>	<b>23,494</b>	<b>\$0.1056</b>	<b>\$0.1027</b>	<b>5,917</b>	<b>12,789,555</b>	<b>\$1,165,018.83</b>	<b>\$0.0911</b>	<b>5,884</b>	<b>12,294,695</b>	<b>\$1,179,579.92</b>	<b>\$0.0959</b>	

<b>BILLING SUMMARY AND CO</b>																	
DECEMBER, 2016																	
2016 - DECEMBER BILLING WITH NOVEMBER 21																	
Class and/or Schedule	Rate Code	Feb-16				Mar-16				Apr-16				May-16			
		# of Bills	Feb-16 (kWh Usage)	Feb-16 Billed	Cost / kWh For Month	# of Bills	Mar-16 (kWh Usage)	Mar-16 Billed	Cost / kWh For Month	# of Bills	Apr-16 (kWh Usage)	Apr-16 Billed	Cost / kWh For Month	# of Bills	May-16 (kWh Usage)	May-16 Billed	Cost / kWh For Month
Residential (Dom-In)	E1	3,343	2,336,473	\$233,564.23	\$0.1000	3,345	2,347,687	\$244,491.10	\$0.1041	3,345	2,115,617	\$223,079.18	\$0.1054	3,328	1,745,478	\$196,444.14	\$0.1125
Residential (Dom-In) w/Ecosmart	E1E	9	4,542	\$469.07	\$0.1033	9	4,327	\$468.00	\$0.1082	9	3,918	\$429.97	\$0.1097	9	3,507	\$408.58	\$0.1165
Residential (Dom-In - All Electric)	E2	605	655,616	\$63,527.74	\$0.0969	608	756,980	\$76,046.71	\$0.1005	608	638,315	\$64,884.51	\$0.1016	610	457,976	\$49,954.20	\$0.1091
Res. (Dom-In - All Elec.) w/Ecosmart	E2E	1	545	\$55.80	\$0.1024	1	597	\$63.13	\$0.1057	1	596	\$63.19	\$0.1060	1	511	\$57.67	\$0.1129
<b>Total Residential (Domestic)</b>		<b>3,958</b>	<b>2,997,176</b>	<b>\$297,616.84</b>	<b>\$0.0993</b>	<b>3,963</b>	<b>3,109,591</b>	<b>\$321,068.94</b>	<b>\$0.1033</b>	<b>3,963</b>	<b>2,758,446</b>	<b>\$288,456.85</b>	<b>\$0.1046</b>	<b>3,948</b>	<b>2,207,472</b>	<b>\$246,864.59</b>	<b>\$0.1118</b>
Residential (Rural-Out)	ER1	757	907,174	\$94,694.90	\$0.1044	759	875,454	\$95,412.70	\$0.1090	756	779,953	\$86,047.23	\$0.1103	752	663,486	\$77,716.74	\$0.1171
Residential (Rural-Out) w/Ecosmart	ER1E	4	3,834	\$408.52	\$0.1066	4	3,230	\$364.37	\$0.1128	4	2,546	\$296.42	\$0.1164	4	2,328	\$286.46	\$0.1230
Residential (Rural-Out - All Electric)	ER2	383	551,963	\$56,838.04	\$0.1030	384	587,960	\$62,814.15	\$0.1068	384	507,976	\$54,947.15	\$0.1082	383	427,039	\$49,004.46	\$0.1148
Res. (Rural-Out - All Electric) w/Ecosmart	ER2E	2	2,918	\$300.36	\$0.1029	2	2,960	\$317.12	\$0.1071	2	2,616	\$283.32	\$0.1083	2	1,902	\$221.22	\$0.1163
Residential (Rural-Out w/Dmd)	ER3	16	25,972	\$2,651.52	\$0.1021	16	30,157	\$3,181.29	\$0.1055	16	27,753	\$2,948.93	\$0.1063	16	21,910	\$2,475.80	\$0.1130
Residential (Rural-Out - All Electric w/Dm	ER4	9	10,004	\$1,051.19	\$0.1051	9	11,290	\$1,222.89	\$0.1083	9	9,995	\$1,096.12	\$0.1097	9	7,908	\$926.67	\$0.1172
<b>Total Residential (Rural)</b>		<b>1,171</b>	<b>1,501,865</b>	<b>\$155,944.53</b>	<b>\$0.1038</b>	<b>1,174</b>	<b>1,511,051</b>	<b>\$163,312.52</b>	<b>\$0.1081</b>	<b>1,171</b>	<b>1,330,839</b>	<b>\$145,619.17</b>	<b>\$0.1094</b>	<b>1,166</b>	<b>1,124,573</b>	<b>\$130,631.35</b>	<b>\$0.1162</b>
Commercial (1 Ph-In - No Dmd)	EC2	74	52,205	\$6,581.79	\$0.1261	75	53,648	\$6,982.89	\$0.1302	75	52,551	\$6,871.47	\$0.1308	75	45,379	\$6,290.63	\$0.1386
Commercial (1 Ph-Out - No Dmd)	EC2O	43	8,018	\$1,392.38	\$0.1737	43	8,383	\$1,468.25	\$0.1751	43	8,714	\$1,508.23	\$0.1731	43	6,659	\$1,308.66	\$0.1965
<b>Total Commercial (1 Ph) No Dmd</b>		<b>117</b>	<b>60,223</b>	<b>\$7,974.17</b>	<b>\$0.1324</b>	<b>118</b>	<b>62,031</b>	<b>\$8,451.14</b>	<b>\$0.1362</b>	<b>118</b>	<b>61,265</b>	<b>\$8,379.70</b>	<b>\$0.1368</b>	<b>118</b>	<b>52,038</b>	<b>\$7,599.29</b>	<b>\$0.1460</b>
Commercial (1 Ph-In - w/Demand)	EC1	256	306,848	\$38,364.05	\$0.1250	255	337,026	\$42,741.72	\$0.1268	255	300,781	\$39,283.01	\$0.1306	256	353,349	\$46,128.85	\$0.1305
Commercial (1 Ph-Out - w/Demand)	EC1O	24	36,267	\$4,391.42	\$0.1211	24	41,186	\$4,956.90	\$0.1204	24	36,470	\$4,539.16	\$0.1245	24	33,089	\$4,386.25	\$0.1326
<b>Total Commercial (1 Ph) w/Demand</b>		<b>280</b>	<b>343,115</b>	<b>\$42,755.47</b>	<b>\$0.1246</b>	<b>279</b>	<b>378,212</b>	<b>\$47,698.62</b>	<b>\$0.1261</b>	<b>279</b>	<b>337,251</b>	<b>\$43,822.19</b>	<b>\$0.1299</b>	<b>280</b>	<b>386,438</b>	<b>\$50,515.10</b>	<b>\$0.1307</b>
Commercial (3 Ph-Out - No Dmd)	EC4O	2	400	\$79.67	\$0.1992	2	1,000	\$149.48	\$0.1495	2	880	\$136.11	\$0.1547	2	400	\$83.56	\$0.2089
<b>Total Commercial (3 Ph) No Dmd</b>		<b>2</b>	<b>400</b>	<b>\$79.67</b>	<b>\$0.1992</b>	<b>2</b>	<b>1,000</b>	<b>\$149.48</b>	<b>\$0.1495</b>	<b>2</b>	<b>880</b>	<b>\$136.11</b>	<b>\$0.1547</b>	<b>2</b>	<b>400</b>	<b>\$83.56</b>	<b>\$0.2089</b>
Commercial (3 Ph-In - w/Demand)	EC3	205	1,396,306	\$152,228.19	\$0.1090	204	1,492,235	\$165,735.10	\$0.1111	201	1,330,300	\$150,670.14	\$0.1133	204	1,337,448	\$158,129.92	\$0.1182
Commercial (3 Ph-Out - w/Demand)	EC3O	39	355,628	\$38,994.81	\$0.1097	39	379,416	\$42,543.57	\$0.1121	39	336,543	\$38,541.02	\$0.1145	39	333,423	\$39,624.69	\$0.1188
Commercial (3 Ph-Out - w/Dmd.&Sub-St	E3SO	3	137,920	\$14,016.49	\$0.1016	3	149,800	\$15,798.47	\$0.1055	3	131,080	\$13,890.07	\$0.1060	3	134,040	\$14,680.26	\$0.1095
Commercial (3 Ph-In - w/Demand, No Ta	EC3T	1	1,920	\$212.10	\$0.1105	1	2,160	\$242.85	\$0.1124	1	2,120	\$240.01	\$0.1132	1	2,000	\$238.27	\$0.1191
<b>Total Commercial (3 Ph) w/Demand</b>		<b>248</b>	<b>1,891,774</b>	<b>\$205,451.59</b>	<b>\$0.1086</b>	<b>247</b>	<b>2,023,611</b>	<b>\$224,319.99</b>	<b>\$0.1109</b>	<b>244</b>	<b>1,800,043</b>	<b>\$203,341.24</b>	<b>\$0.1130</b>	<b>247</b>	<b>1,806,911</b>	<b>\$212,673.14</b>	<b>\$0.1177</b>
Large Power (In - w/Dmd & Rct)	EL1	21	2,310,925	\$199,175.25	\$0.0862	21	2,561,160	\$221,085.42	\$0.0863	21	2,385,374	\$216,220.16	\$0.0906	21	2,454,545	\$231,732.96	\$0.0944
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	3	1,009,639	\$77,760.04	\$0.0770	3	1,042,283	\$84,501.97	\$0.0811	3	807,206	\$67,444.50	\$0.0836	3	912,431	\$78,956.21	\$0.0865
Large Power (Out - w/Dmd & Rct, w/SbC	EL2O	1	246,000	\$21,470.29	\$0.0873	1	322,800	\$28,467.29	\$0.0882	1	338,400	\$30,419.43	\$0.0899	1	370,800	\$33,718.56	\$0.0909
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	85,654	\$6,264.07	\$0.0731	2	85,512	\$6,619.24	\$0.0774	2	72,927	\$6,016.76	\$0.0825	2	93,761	\$14,517.81	\$0.1548
<b>Total Large Power</b>		<b>27</b>	<b>3,652,218</b>	<b>\$304,669.65</b>	<b>\$0.0834</b>	<b>27</b>	<b>4,011,755</b>	<b>\$340,673.92</b>	<b>\$0.0849</b>	<b>27</b>	<b>3,603,907</b>	<b>\$320,100.85</b>	<b>\$0.0888</b>	<b>27</b>	<b>3,831,537</b>	<b>\$358,925.54</b>	<b>\$0.0937</b>
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	1	957,122	\$74,102.43	\$0.0774	1	1,194,711	\$89,279.02	\$0.0747	1	1,035,693	\$80,055.22	\$0.0773	1	1,030,712	\$85,857.58	\$0.0833
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	1	896,274	\$67,913.52	\$0.0758	1	1,122,083	\$81,701.62	\$0.0728	1	1,052,644	\$78,469.13	\$0.0745	1	990,465	\$79,362.02	\$0.0801
<b>Total Industrial</b>		<b>2</b>	<b>1,853,396</b>	<b>\$142,015.95</b>	<b>\$0.0766</b>	<b>2</b>	<b>2,316,794</b>	<b>\$170,980.64</b>	<b>\$0.0738</b>	<b>2</b>	<b>2,088,337</b>	<b>\$158,524.35</b>	<b>\$0.0759</b>	<b>2</b>	<b>2,021,177</b>	<b>\$165,219.60</b>	<b>\$0.0817</b>
Interdepartmental (In - No Dmd)	ED1	8	79,167	\$7,560.57	\$0.0955	8	65,565	\$6,459.45	\$0.0985	8	51,501	\$5,211.49	\$0.1012	8	42,349	\$4,637.84	\$0.1095
Interdepartmental (Out - w/Dmd)	ED2O	2	240	\$50.36	\$0.2098	2	192	\$45.93	\$0.2392	2	235	\$50.88	\$0.2165	2	368	\$67.89	\$0.1845
Interdepartmental (In - w/Dmd)	ED2	27	77,462	\$8,762.54	\$0.1131	26	70,540	\$8,300.04	\$0.1177	26	50,904	\$6,096.14	\$0.1198	26	41,532	\$5,247.09	\$0.1263
Interdepartmental (3Ph-In - w/Dmd)	ED3	11	257,347	\$25,478.65	\$0.0990	11	306,526	\$30,656.81	\$0.1000	11	251,871	\$26,080.07	\$0.1035	11	235,903	\$25,894.91	\$0.1098
Interdepartmental (Street Lights)	EDSL	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	\$5,849.08	\$0.0930
Interdepartmental (Traffic Signals)	EDTS	15	2,189	\$202.38	\$0.0925	11	1,916	\$177.17	\$0.0925	9	1,771	\$163.74	\$0.0925	9	1,663	\$153.77	\$0.0925
Generators (JV2 Power Cost Only)	GJV2	1	23,269	\$819.53	\$0.0352	1	21,905	\$781.57	\$0.0357	1	18,065	\$265.01	-\$0.0147	1	19,031	\$533.06	\$0.0280
Generators (JV5 Power Cost Only)	GJV5	1	15,064	\$530.55	\$0.0352	1	16,067	\$573.27	\$0.0357	1	13,192	\$193.53	-\$0.0147	1	13,635	\$381.92	\$0.0280
<b>Total Interdepartmental</b>		<b>72</b>	<b>517,617</b>	<b>\$49,253.66</b>	<b>\$0.0952</b>	<b>67</b>	<b>545,590</b>	<b>\$52,843.32</b>	<b>\$0.0969</b>	<b>65</b>	<b>450,418</b>	<b>\$42,993.93</b>	<b>\$0.0955</b>	<b>65</b>	<b>417,360</b>	<b>\$42,765.56</b>	<b>\$0.1025</b>
<b>SUB-TOTAL CONSUMPTION &amp; DEMAND</b>		<b>5,877</b>	<b>12,817,784</b>	<b>\$1,205,761.53</b>	<b>\$0.0941</b>	<b>5,879</b>	<b>13,959,635</b>	<b>\$1,329,498.57</b>	<b>\$0.0952</b>	<b>5,871</b>	<b>12,431,386</b>	<b>\$1,211,374.39</b>	<b>\$0.0974</b>	<b>5,855</b>	<b>11,847,906</b>	<b>\$1,215,277.73</b>	<b>\$0.1026</b>
Street Lights (In)	SLO	15	0	\$13.59	\$0.0000	16	1,463	\$191.76	\$0.1311	16	0	\$13.74	\$0.0000	16	0	\$13.74	\$0.0000
Street Lights (Out)	SLOO	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000	2	0	\$0.76	\$0.0000	2	0	\$0.77	\$0.0000
<b>Total Street Light Only</b>		<b>17</b>	<b>0</b>	<b>\$14.36</b>	<b>\$0.0000</b>	<b>18</b>	<b>1,463</b>	<b>\$192.53</b>	<b>\$0.1316</b>	<b>18</b>	<b>0</b>	<b>\$14.50</b>	<b>\$0.0000</b>	<b>18</b>	<b>0</b>	<b>\$14.51</b>	<b>\$0.0000</b>
<b>TOTAL CONSUMPTION &amp; DEMAND</b>		<b>5,894</b>	<b>12,817,784</b>	<b>\$1,205,775.89</b>	<b>\$0.0941</b>	<b>5,897</b>	<b>13,961,098</b>	<b>\$1,329,691.10</b>	<b>\$0.0952</b>	<b>5,889</b>	<b>12,431,386</b>	<b>\$1,211,388.89</b>	<b>\$0.0974</b>	<b>5,873</b>	<b>11,847,906</b>	<b>\$1,215,292.24</b>	<b>\$0.1026</b>

<b>BILLING SUMMARY AND CO</b>																					
<b>DECEMBER 2016</b>																					
<b>2016 - DECEMBER BILLING WITH NOVEMBER 2016</b>																					
Class and/or Schedule	Rate Code	Jun-16			Cost / kWh For Month	Jul-16			Cost / kWh For Month	Aug-16			Cost / kWh For Month	Sep-16			Cost / kWh For Month	Oct-16			
		# of Bills	Jun-16 (kWh Usage)	Jun-16 Billed		# of Bills	Jul-16 (kWh Usage)	Jul-16 Billed		# of Bills	Aug-16 (kWh Usage)	Aug-16 Billed		# of Bills	Sep-16 (kWh Usage)	Sep-16 Billed		# of Bills	Oct-16 (kWh Usage)	Oct-16 Billed	
Residential (Dom-In)	E1	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	\$332,693.75	\$0.1175	3,339	3,439,128	\$405,561.66	\$0.1179	3,324	3,116,816		
Residential (Dom-In) w/Ecosmart	E1E	9	3,414	\$402.55	\$0.1179	9	4,890	\$577.51	\$0.1181	9	7,000	\$827.07	\$0.1182	9	7,961	\$946.73	\$0.1189	9	6,928		
Residential (Dom-In - All Electric)	E2	611	379,613	\$42,421.37	\$0.1117	613	381,668	\$44,540.19	\$0.1167	610	458,361	\$54,279.87	\$0.1184	608	519,149	\$61,850.34	\$0.1191	608	469,940		
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	1	534	\$60.52	\$0.1133	1	692	\$80.09	\$0.1157	1	796	\$93.91	\$0.1180	1	1,026	\$121.06	\$0.1180	1	844		
<b>Total Residential (Domestic)</b>		<b>3,960</b>	<b>2,057,659</b>	<b>\$233,849.45</b>	<b>\$0.1136</b>	<b>3,963</b>	<b>2,520,419</b>	<b>\$293,616.16</b>	<b>\$0.1165</b>	<b>3,947</b>	<b>3,298,177</b>	<b>\$387,894.60</b>	<b>\$0.1176</b>	<b>3,957</b>	<b>3,967,264</b>	<b>\$468,479.79</b>	<b>\$0.1181</b>	<b>3,942</b>	<b>3,594,528</b>		
Residential (Rural-Out)	ER1	755	586,997	\$70,250.79	\$0.1197	757	712,526	\$87,201.53	\$0.1224	760	863,493	\$107,008.31	\$0.1239	760	984,416	\$122,587.50	\$0.1245	759	884,230		
Residential (Rural-Out) w/Ecosmart	ER1E	4	1,833	\$235.87	\$0.1287	4	2,470	\$316.19	\$0.1280	4	3,000	\$385.56	\$0.1285	4	3,422	\$440.00	\$0.1286	4	3,185		
Residential (Rural-Out - All Electric)	ER2	384	355,880	\$41,847.24	\$0.1176	383	380,642	\$46,371.53	\$0.1218	383	443,608	\$54,903.94	\$0.1238	382	509,155	\$63,286.00	\$0.1243	382	467,015		
Res. (Rural-Out - All Electric) w/Ecosmart	ER2E	2	1,701	\$201.66	\$0.1186	2	1,606	\$199.48	\$0.1242	2	1,669	\$212.18	\$0.1271	2	2,157	\$272.02	\$0.1261	2	1,724		
Residential (Rural-Out w/Dmd)	ER3	16	27,150	\$3,054.38	\$0.1125	16	19,858	\$2,377.56	\$0.1197	16	16,942	\$2,109.31	\$0.1245	16	20,579	\$2,560.83	\$0.1244	16	19,261		
Residential (Rural-Out - All Electric w/Dm	ER4	9	7,392	\$879.39	\$0.1190	9	7,401	\$917.12	\$0.1239	9	8,540	\$1,073.07	\$0.1257	9	9,466	\$1,195.61	\$0.1263	9	9,576		
<b>Total Residential (Rural)</b>		<b>1,170</b>	<b>980,953</b>	<b>\$116,469.33</b>	<b>\$0.1187</b>	<b>1,171</b>	<b>1,124,503</b>	<b>\$137,383.41</b>	<b>\$0.1222</b>	<b>1,174</b>	<b>1,337,252</b>	<b>\$165,692.37</b>	<b>\$0.1239</b>	<b>1,173</b>	<b>1,529,195</b>	<b>\$190,341.96</b>	<b>\$0.1245</b>	<b>1,172</b>	<b>1,384,991</b>		
Commercial (1 Ph-In - No Dmd)	EC2	75	42,140	\$5,948.45	\$0.1412	72	47,338	\$6,768.08	\$0.1430	75	48,276	\$7,085.12	\$0.1468	75	49,252	\$7,295.40	\$0.1481	74	52,027		
Commercial (1 Ph-Out - No Dmd)	EC2O	43	6,225	\$1,262.95	\$0.2029	46	6,906	\$1,415.05	\$0.2049	46	7,669	\$1,536.40	\$0.2003	47	7,405	\$1,527.13	\$0.2062	45	8,002		
<b>Total Commercial (1 Ph) No Dmd</b>		<b>118</b>	<b>48,365</b>	<b>\$7,211.40</b>	<b>\$0.1491</b>	<b>118</b>	<b>54,244</b>	<b>\$8,183.13</b>	<b>\$0.1509</b>	<b>121</b>	<b>55,945</b>	<b>\$8,621.52</b>	<b>\$0.1541</b>	<b>122</b>	<b>56,657</b>	<b>\$8,822.53</b>	<b>\$0.1557</b>	<b>119</b>	<b>60,029</b>		
Commercial (1 Ph-In - w/Demand)	EC1	257	339,056	\$39,544.56	\$0.1166	257	297,012	\$43,203.06	\$0.1455	258	352,786	\$60,743.54	\$0.1438	258	402,789	\$57,034.99	\$0.1416	258	460,502		
Commercial (1 Ph-Out - w/Demand)	EC1O	24	29,990	\$4,043.76	\$0.1348	26	38,595	\$5,289.71	\$0.1371	25	30,982	\$4,512.62	\$0.1457	25	37,237	\$5,295.75	\$0.1422	25	38,742		
<b>Total Commercial (1 Ph) w/Demand</b>		<b>281</b>	<b>369,046</b>	<b>\$43,588.32</b>	<b>\$0.1181</b>	<b>283</b>	<b>335,607</b>	<b>\$48,492.77</b>	<b>\$0.1445</b>	<b>283</b>	<b>383,768</b>	<b>\$65,256.16</b>	<b>\$0.1440</b>	<b>283</b>	<b>440,026</b>	<b>\$62,330.74</b>	<b>\$0.1417</b>	<b>283</b>	<b>499,244</b>		
Commercial (3 Ph-Out - No Dmd)	EC4O	2	160	\$55.18	\$0.3449	2	40	\$41.00	\$1.0250	2	80	\$46.26	\$0.5783	2	40	\$41.20	\$1.0300	2	40		
<b>Total Commercial (3 Ph) No Dmd</b>		<b>2</b>	<b>160</b>	<b>\$55.18</b>	<b>\$0.3449</b>	<b>2</b>	<b>40</b>	<b>\$41.00</b>	<b>\$1.0250</b>	<b>2</b>	<b>80</b>	<b>\$46.26</b>	<b>\$0.5783</b>	<b>2</b>	<b>40</b>	<b>\$41.20</b>	<b>\$1.0300</b>	<b>2</b>	<b>40</b>		
Commercial (3 Ph-In - w/Demand)	EC3	202	1,281,048	\$154,525.82	\$0.1206	201	1,379,117	\$172,587.98	\$0.1251	203	1,595,241	\$203,673.47	\$0.1277	202	1,740,671	\$223,495.26	\$0.1284	202	1,914,635		
Commercial (3 Ph-Out - w/Demand)	EC3O	39	286,219	\$35,062.05	\$0.1225	39	283,681	\$36,648.60	\$0.1292	39	317,778	\$41,164.85	\$0.1295	40	412,439	\$52,282.08	\$0.1268	38	415,582		
Commercial (3 Ph-Out - w/Dmd.&Sub-St	E3SO	3	127,640	\$14,167.89	\$0.1112	3	120,080	\$14,126.22	\$0.1176	3	139,680	\$16,763.36	\$0.1200	3	145,680	\$17,795.85	\$0.1222	3	142,840		
Commercial (3 Ph-In - w/Demand, No Ta	EC3T	1	2,040	\$245.05	\$0.1201	1	1,880	\$235.92	\$0.1255	1	3,120	\$442.73	\$0.1419	1	4,800	\$637.44	\$0.1328	1	6,240		
<b>Total Commercial (3 Ph) w/Demand</b>		<b>245</b>	<b>1,696,947</b>	<b>\$204,020.81</b>	<b>\$0.1202</b>	<b>244</b>	<b>1,784,758</b>	<b>\$223,598.72</b>	<b>\$0.1253</b>	<b>246</b>	<b>2,055,819</b>	<b>\$262,044.43</b>	<b>\$0.1275</b>	<b>246</b>	<b>2,303,590</b>	<b>\$294,210.63</b>	<b>\$0.1277</b>	<b>244</b>	<b>2,479,297</b>		
Large Power (In - w/Dmd & Rct)	EL1	21	2,477,658	\$236,532.65	\$0.0955	21	2,611,643	\$261,934.52	\$0.1003	21	2,731,809	\$284,732.35	\$0.1042	21	3,037,231	\$311,034.61	\$0.1024	21	2,685,366		
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	3	919,793	\$83,363.79	\$0.0906	3	975,151	\$92,615.26	\$0.0950	3	921,926	\$91,984.54	\$0.0998	3	1,112,508	\$107,637.55	\$0.0968	3	1,006,242		
Large Power (Out - w/Dmd & Rct, w/SbCr)	EL2O	1	366,000	\$34,899.72	\$0.0954	1	405,600	\$40,258.99	\$0.0993	1	398,400	\$40,709.41	\$0.1022	1	451,200	\$45,502.92	\$0.1008	1	474,000		
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	58,685	\$7,385.30	\$0.1258	2	74,535	\$14,994.13	\$0.2012	2	75,019	\$15,989.77	\$0.2131	2	77,094	\$18,053.44	\$0.2342	2	75,674		
<b>Total Large Power</b>		<b>27</b>	<b>3,822,136</b>	<b>\$362,181.46</b>	<b>\$0.0948</b>	<b>27</b>	<b>4,066,929</b>	<b>\$409,802.90</b>	<b>\$0.1008</b>	<b>27</b>	<b>4,127,154</b>	<b>\$433,416.07</b>	<b>\$0.1050</b>	<b>27</b>	<b>4,678,033</b>	<b>\$482,228.52</b>	<b>\$0.1031</b>	<b>27</b>	<b>4,241,282</b>		
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	1	990,474	\$82,403.94	\$0.0832	1	989,828	\$87,858.45	\$0.0888	1	1,050,981	\$94,370.91	\$0.0898	1	1,180,028	\$105,636.89	\$0.0895	1	1,140,292		
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	1	942,832	\$77,160.17	\$0.0818	1	1,001,560	\$85,009.44	\$0.0849	1	989,846	\$88,326.21	\$0.0892	1	1,067,043	\$94,185.61	\$0.0883	1	1,004,383		
<b>Total Industrial</b>		<b>2</b>	<b>1,933,306</b>	<b>\$159,564.11</b>	<b>\$0.0825</b>	<b>2</b>	<b>1,991,388</b>	<b>\$172,867.89</b>	<b>\$0.0868</b>	<b>2</b>	<b>2,040,827</b>	<b>\$182,697.12</b>	<b>\$0.0895</b>	<b>2</b>	<b>2,247,071</b>	<b>\$199,822.50</b>	<b>\$0.0889</b>	<b>2</b>	<b>2,144,675</b>		
Interdepartmental (In - No Dmd)	ED1	7	30,257	\$3,583.85	\$0.1184	7	37,530	\$4,545.42	\$0.1211	7	39,363	\$4,882.68	\$0.1240	8	91,948	\$10,692.83	\$0.1163	8	42,268		
Interdepartmental (Out - w/Dmd)	ED2O	2	369	\$68.39	\$0.1853	2	624	\$102.05	\$0.1635	2	861	\$134.56	\$0.1563	2	924	\$144.21	\$0.1561	2	785		
Interdepartmental (In - w/Dmd)	ED2	26	25,395	\$3,357.54	\$0.1322	30	23,144	\$3,251.87	\$0.1405	31	24,898	\$3,566.86	\$0.1433	27	26,097	\$3,716.02	\$0.1424	27	25,226		
Interdepartmental (3Ph-In - w/Dmd)	ED3	11	187,202	\$20,851.55	\$0.1114	11	167,921	\$19,556.26	\$0.1165	11	174,247	\$21,123.86	\$0.1212	11	165,579	\$20,410.43	\$0.1233	11	214,907		
Interdepartmental (Street Lights)	EDSL	7	62,879	\$5,849.08	\$0.0930	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		
Interdepartmental (Traffic Signals)	EDTS	9	1,557	\$143.97	\$0.0925	9	1,702	\$157.37	\$0.0925	9	1,649	\$152.46	\$0.0925	9	1,582	\$146.25	\$0.0924	9	1,783		
Generators (JV2 Power Cost Only)	GJV2	1	17,254	\$308.85	\$0.0179	1	16,509	\$227.66	\$0.0138	1	14,549	\$61.40	\$0.0042	1	13,740	\$151.14	\$0.0110	1	16,181		
Generators (JV5 Power Cost Only)	GJV5	1	10,693	\$191.40	\$0.0179	1	12,432	\$171.44	\$0.0138	1	11,829	\$49.92	\$0.0042	1	11,827	\$130.10	\$0.0110	1	12,410		
<b>Total Interdepartmental</b>		<b>64</b>	<b>335,606</b>	<b>\$34,354.63</b>	<b>\$0.1024</b>	<b>68</b>	<b>322,741</b>	<b>\$33,862.22</b>	<b>\$0.1049</b>	<b>69</b>	<b>330,275</b>	<b>\$35,820.82</b>	<b>\$0.1085</b>	<b>66</b>	<b>374,576</b>	<b>\$41,240.06</b>	<b>\$0.1101</b>	<b>66</b>	<b>376,439</b>		
<b>SUB-TOTAL CONSUMPTION &amp; DEMAND</b>		<b>5,869</b>	<b>11,244,178</b>	<b>\$1,161,294.69</b>	<b>\$0.1033</b>	<b>5,878</b>	<b>12,200,629</b>	<b>\$1,327,848.20</b>	<b>\$0.1088</b>	<b>5,871</b>	<b>13,629,297</b>	<b>\$1,531,489.35</b>	<b>\$0.1124</b>	<b>5,878</b>	<b>15,596,452</b>	<b>\$1,747,517.93</b>	<b>\$0.1120</b>	<b>5,857</b>	<b>14,780,525</b>		
Street Lights (In)	SLO	16	0	\$13.74	\$0.0000	16	0	\$13.73	\$0.0000	16	0	\$13.73	\$0.0000	16	0	\$12.99	\$0.0000	16	0		
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	2	0		
<b>Total Street Light Only</b>		<b>18</b>	<b>0</b>	<b>\$14.51</b>	<b>\$0.0000</b>	<b>18</b>	<b>0</b>	<b>\$14.50</b>	<b>\$0.0000</b>	<b>18</b>	<b>0</b>	<b>\$14.50</b>	<b>\$0.0000</b>	<b>18</b>	<b>0</b>	<b>\$13.76</b>	<b>\$0.0000</b>	<b>18</b>	<b>0</b>		
<b>TOTAL CONSUMPTION &amp; DEMAND</b>		<b>5,887</b>	<b>11,244,178</b>	<b>\$1,161,309.20</b>	<b>\$0.1033</b>	<b>5,896</b>	<b>12,200,629</b>	<b>\$1,327,862.70</b>	<b>\$0.1088</b>	<b>5,889</b>	<b>13,629,297</b>										

<b>BILLING SUMMARY AND CO</b>												
<b>DECEMBER 2016</b>												
<b>2016 - DECEMBER BILLING WITH NOVEMBER 2016</b>												
Class and/or Schedule	Rate Code	Oct-16 Billed	Cost / kWh For Month	# of Bills	Nov-16 (kWh Usage)	Nov-16 Billed	Cost / kWh For Month	TOTAL		Avg.Cost Per kWh For Period	Avg.Num. of Bills For Period	Avg.Per.% of Bills For Period
								KWH USAGE PRIOR 12 MO	BILLING PRIOR 12 MO			
Residential (Dom-In)	E1	\$358,640.04	\$0.1151	3,318	2,147,731	\$242,932.58	\$0.1131	27,548,004	\$3,056,887.10	\$0.1110	3,337	56.6585%
Residential (Dom-In) w/Ecosmart	E1E	\$806.87	\$0.1165	9	4,777	\$550.03	\$0.1151	59,427	\$6,764.24	\$0.1138	9	0.1557%
Residential (Dom-In - All Electric)	E2	\$54,713.23	\$0.1164	610	350,406	\$40,046.25	\$0.1143	5,915,375	\$638,361.89	\$0.1079	609	10.3327%
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	\$97.71	\$0.1158	1	609	\$69.24	\$0.1137	7,847	\$875.96	\$0.1116	1	0.0170%
<b>Total Residential (Domestic)</b>		<b>\$414,257.85</b>	<b>\$0.1152</b>	<b>3,938</b>	<b>2,503,523</b>	<b>\$283,598.10</b>	<b>\$0.1133</b>	<b>33,530,653</b>	<b>\$3,702,889.19</b>	<b>\$0.1104</b>	<b>3,955</b>	<b>67.1638%</b>
Residential (Rural-Out)	ER1	\$107,817.96	\$0.1219	761	655,236	\$78,722.02	\$0.1201	9,245,507	\$1,072,680.24	\$0.1160	758	12.8628%
Residential (Rural-Out) w/Ecosmart	ER1E	\$401.26	\$0.1260	4	2,236	\$282.84	\$0.1265	33,366	\$4,013.94	\$0.1203	4	0.0679%
Residential (Rural-Out - All Electric)	ER2	\$56,756.10	\$0.1215	381	359,421	\$42,825.95	\$0.1192	5,408,583	\$617,137.79	\$0.1141	383	6.5078%
Res. (Rural-Out - All Electric) w/Ecosmart	ER2E	\$215.45	\$0.1250	2	1,322	\$163.49	\$0.1237	24,233	\$2,783.73	\$0.1149	2	0.0340%
Residential (Rural-Out w/Dmd)	ER3	\$2,341.81	\$0.1216	16	17,439	\$2,051.35	\$0.1176	379,902	\$40,980.54	\$0.1079	16	0.2703%
Residential (Rural-Out - All Electric w/Dmd)	ER4	\$1,175.26	\$0.1227	9	8,288	\$989.52	\$0.1194	132,360	\$14,820.62	\$0.1120	9	0.1528%
<b>Total Residential (Rural)</b>		<b>\$168,707.84</b>	<b>\$0.1218</b>	<b>1,173</b>	<b>1,043,942</b>	<b>\$125,035.17</b>	<b>\$0.1198</b>	<b>15,223,951</b>	<b>\$1,752,416.86</b>	<b>\$0.1151</b>	<b>1,172</b>	<b>19.8956%</b>
Commercial (1 Ph-In - No Dmd)	EC2	\$7,461.56	\$0.1434	74	46,563	\$6,545.95	\$0.1406	579,315	\$79,547.02	\$0.1373	74	1.2622%
Commercial (1 Ph-Out - No Dmd)	EC2O	\$1,552.94	\$0.1941	45	7,372	\$1,437.56	\$0.1950	94,236	\$17,528.02	\$0.1860	44	0.7500%
<b>Total Commercial (1 Ph) No Dmd</b>		<b>\$9,014.50</b>	<b>\$0.1502</b>	<b>119</b>	<b>53,935</b>	<b>\$7,983.51</b>	<b>\$0.1480</b>	<b>673,551</b>	<b>\$97,075.04</b>	<b>\$0.1441</b>	<b>119</b>	<b>2.0122%</b>
Commercial (1 Ph-In - w/Demand)	EC1	\$62,668.02	\$0.1361	258	335,821	\$47,217.20	\$0.1406	4,040,783	\$540,427.78	\$0.1337	257	4.3555%
Commercial (1 Ph-Out - w/Demand)	EC1O	\$5,266.86	\$0.1359	25	30,652	\$4,264.42	\$0.1391	409,184	\$54,133.05	\$0.1323	25	0.4160%
<b>Total Commercial (1 Ph) w/Demand</b>		<b>\$67,934.88</b>	<b>\$0.1361</b>	<b>283</b>	<b>366,473</b>	<b>\$51,481.62</b>	<b>\$0.1405</b>	<b>4,449,967</b>	<b>\$594,560.83</b>	<b>\$0.1336</b>	<b>281</b>	<b>4.7715%</b>
Commercial (3 Ph-Out - No Dmd)	EC4O	\$41.06	\$1.0265	2	40	\$40.87	\$1.0218	18,160	\$2,474.00	\$0.1362	2	0.0340%
<b>Total Commercial (3 Ph) No Dmd</b>		<b>\$41.06</b>	<b>\$1.0265</b>	<b>2</b>	<b>40</b>	<b>\$40.87</b>	<b>\$1.0218</b>	<b>18,160</b>	<b>\$2,474.00</b>	<b>\$0.1362</b>	<b>2</b>	<b>0.0340%</b>
Commercial (3 Ph-In - w/Demand)	EC3	\$238,552.14	\$0.1246	203	1,651,057	\$199,730.82	\$0.1210	18,044,080	\$2,143,527.71	\$0.1188	203	3.4499%
Commercial (3 Ph-Out - w/Demand)	EC3O	\$51,509.04	\$0.1239	38	412,387	\$49,235.84	\$0.1194	4,527,807	\$532,256.41	\$0.1176	39	0.6608%
Commercial (3 Ph-Out - w/Dmd.&Sub-St)	E3SO	\$16,789.77	\$0.1175	3	133,720	\$15,002.96	\$0.1122	1,635,240	\$181,032.59	\$0.1107	3	0.0509%
Commercial (3 Ph-In - w/Demand, No Ta)	EC3T	\$771.43	\$0.1236	1	5,680	\$686.81	\$0.1209	36,200	\$4,449.12	\$0.1229	1	0.0170%
<b>Total Commercial (3 Ph) w/Demand</b>		<b>\$307,622.38</b>	<b>\$0.1241</b>	<b>245</b>	<b>2,202,844</b>	<b>\$264,656.45</b>	<b>\$0.1201</b>	<b>24,243,327</b>	<b>\$2,861,265.83</b>	<b>\$0.1180</b>	<b>246</b>	<b>4.1786%</b>
Large Power (In - w/Dmd & Rct)	EL1	\$284,900.17	\$0.1061	20	2,303,124	\$218,711.68	\$0.0950	30,656,371	\$2,898,114.85	\$0.0945	21	0.3552%
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	\$96,026.30	\$0.0954	3	966,087	\$86,575.44	\$0.0896	11,767,577	\$1,029,121.42	\$0.0875	3	0.0509%
Large Power (Out - w/Dmd & Rct, w/SbCr)	EL2O	\$45,851.97	\$0.0967	1	475,200	\$44,870.95	\$0.0944	4,476,000	\$420,303.97	\$0.0939	1	0.0170%
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	\$13,439.88	\$0.1776	2	45,195	\$8,059.22	\$0.1783	894,260	\$124,530.46	\$0.1393	2	0.0340%
<b>Total Large Power</b>		<b>\$440,218.32</b>	<b>\$0.1038</b>	<b>26</b>	<b>3,789,606</b>	<b>\$358,217.29</b>	<b>\$0.0945</b>	<b>47,794,208</b>	<b>\$4,472,070.70</b>	<b>\$0.0936</b>	<b>27</b>	<b>0.4571%</b>
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	\$99,897.30	\$0.0876	1	1,120,127	\$93,821.52	\$0.0838	13,052,559	\$1,064,359.69	\$0.0815	1	0.0170%
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	\$87,514.48	\$0.0871	1	866,459	\$74,763.55	\$0.0863	12,085,673	\$971,878.92	\$0.0804	1	0.0170%
<b>Total Industrial</b>		<b>\$187,411.78</b>	<b>\$0.0874</b>	<b>2</b>	<b>1,986,586</b>	<b>\$168,585.07</b>	<b>\$0.0849</b>	<b>25,138,232</b>	<b>\$2,036,238.61</b>	<b>\$0.0810</b>	<b>2</b>	<b>0.0340%</b>
Interdepartmental (In - No Dmd)	ED1	\$5,155.27	\$0.1220	8	32,523	\$3,903.77	\$0.1200	610,115	\$66,757.08	\$0.1094	8	0.1316%
Interdepartmental (Out - w/Dmd)	ED2O	\$123.43	\$0.1572	2	396	\$72.33	\$0.1827	5,559	\$970.70	\$0.1746	2	0.0340%
Interdepartmental (In - w/Dmd)	ED2	\$3,515.77	\$0.1394	27	21,392	\$2,928.44	\$0.1369	472,607	\$58,947.42	\$0.1247	27	0.4656%
Interdepartmental (3Ph-In - w/Dmd)	ED3	\$25,016.23	\$0.1164	11	207,490	\$23,420.90	\$0.1129	2,589,147	\$281,033.70	\$0.1085	11	0.1868%
Interdepartmental (Street Lights)	EDSL	\$5,851.14	\$0.0931	7	62,879	\$5,849.08	\$0.0930	754,548	\$70,207.45	\$0.0930	7	0.1189%
Interdepartmental (Traffic Signals)	EDTS	\$164.85	\$0.0925	9	1,716	\$158.67	\$0.0925	21,339	\$1,972.98	\$0.0925	11	0.1811%
Generators (JV2 Power Cost Only)	GJV2	\$1,059.37	\$0.0655	1	17,504	\$1,768.25	\$0.1010	214,877	\$6,784.85	\$0.0316	1	0.0170%
Generators (JV5 Power Cost Only)	GJV5	\$812.48	\$0.0655	1	12,279	\$1,240.42	\$0.1010	154,929	\$4,814.27	\$0.0311	1	0.0170%
<b>Total Interdepartmental</b>		<b>\$41,698.54</b>	<b>\$0.1108</b>	<b>66</b>	<b>356,179</b>	<b>\$39,341.86</b>	<b>\$0.1105</b>	<b>4,823,121</b>	<b>\$491,488.45</b>	<b>\$0.1019</b>	<b>68</b>	<b>1.1518%</b>
<b>SUB-TOTAL CONSUMPTION &amp; DEMAND</b>		<b>\$1,636,907.15</b>	<b>\$0.1107</b>	<b>5,854</b>	<b>12,303,128</b>	<b>\$1,298,939.94</b>	<b>\$0.1056</b>	<b>155,895,170</b>	<b>\$16,010,479.51</b>	<b>\$0.1027</b>	<b>5,871</b>	<b>99.6986%</b>
Street Lights (In)	SLO	\$13.74	\$0.0000	16	0	\$13.73	\$0.0000	1,463	\$341.67	\$0.2335	16	0.2674%
Street Lights (Out)	SLOO	\$0.77	\$0.0000	2	0	\$1.92	\$0.0000	0	\$10.38	\$0.0000	2	0.0340%
<b>Total Street Light Only</b>		<b>\$14.51</b>	<b>\$0.0000</b>	<b>18</b>	<b>0</b>	<b>\$15.65</b>	<b>\$0.0000</b>	<b>1,463</b>	<b>\$352.05</b>	<b>\$0.2406</b>	<b>18</b>	<b>0.3014%</b>
<b>TOTAL CONSUMPTION &amp; DEMAND</b>		<b>\$1,636,921.66</b>	<b>\$0.1107</b>	<b>5,872</b>	<b>12,303,128</b>	<b>\$1,298,955.59</b>	<b>\$0.1056</b>	<b>155,896,633</b>	<b>\$16,010,831.56</b>	<b>\$0.1027</b>	<b>5,889</b>	<b>100.0000%</b>



2016 DECEMBER - ELECTRIC PSCAF - BILLING COMPARISONS TO PRIOR PERIODS										
Rate Comparisons to Prior Month and Prior Year for Same Period										
	Service Usage	Service Units	Current December 2016 Rate	Prior Month November 2016 Rate	Prior Year December 2015 Rate	Service Usage	Service Units	Current December 2016 Rate	Prior Month November 2016 Rate	Prior Year December 2015 Rate
<i>Customer Type -&gt;</i>	<b>RESIDENTIAL USER - (w/Gas Heat)</b>					<b>RESIDENTIAL USER - (All Electric)</b>				
Customer Charge			\$6.00	\$6.00	\$6.00			\$6.00	\$6.00	\$6.00
Distribution Energy Charge			\$20.93	\$20.93	\$20.93			\$33.39	\$33.39	\$33.39
Distribution Demand Charge										
Power Supply Energy Charge	978	kWh	\$71.20	\$71.20	\$71.20	1,976	kWh	\$143.85	\$143.85	\$143.85
Power Supply Demand Charge										
PSCAF - Monthly Factor	978	kWh	\$4.12	\$4.88	-\$7.41	1,976	kWh	\$8.32	\$9.86	-\$14.98
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										
<b>Total Electric</b>			<b>\$106.80</b>	<b>\$107.56</b>	<b>\$95.27</b>			<b>\$200.75</b>	<b>\$202.29</b>	<b>\$177.45</b>
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
<b>Sub-Other Services</b>			<b>\$140.66</b>	<b>\$133.50</b>	<b>\$121.65</b>			<b>\$194.41</b>	<b>\$183.95</b>	<b>\$167.35</b>
<b>Total Billing - All Services</b>			<b>\$247.46</b>	<b>\$241.06</b>	<b>\$216.92</b>			<b>\$395.16</b>	<b>\$386.24</b>	<b>\$344.80</b>
<i>Verification Totals-&gt;</i>			\$247.46	\$241.06	\$216.92			\$395.16	\$386.24	\$344.80
				<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				\$6.40	\$30.54				\$8.92	\$50.36
% Inc/Dec(-) to Prior Periods				2.65%	14.08%				2.31%	14.61%
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Cost/kWH - Electric	978	kWh	\$0.10920	\$0.10998	\$0.09741	1,976	kWh	\$0.10159	\$0.10237	\$0.08980
% Inc/Dec(-) to Prior Periods				-0.71%	12.10%				-0.76%	13.13%
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%
<i>(Listed Accounts Assume SAME USAGE for kWH and Water (CCF) for All Billing Periods)</i>										
<i>(One "1" Unit CCF of Water = "Hundred Cubic Foot" = 748 Gallons)</i>										

<b>2016 DECEMBER - ELECTRIC</b>			<b>RATE REVIEW COMPARISONS - Current to Prior Month and Prior Year</b>							
Rate Comparisons to Prior Month at										
			<i>Current</i>	<i>Prior Month</i>	<i>Prior Year</i>			<i>Current</i>	<i>Prior Month</i>	<i>Prior Year</i>
	Service	Service	December	November	December	Service	Service	December	November	December
<u>Customer Type</u>	<u>Usage</u>	<u>Units</u>	<u>2016 Rate</u>	<u>2016 Rate</u>	<u>2015 Rate</u>	<u>Usage</u>	<u>Units</u>	<u>2016 Rate</u>	<u>2016 Rate</u>	<u>2015 Rate</u>
<i>Customer Type -&gt;</i>	<b>COMMERCIAL USER - (3 Phase w/Demand)</b>					<b>INDUSTRIAL USER - (3 Phase w/Demand)</b>				
Customer Charge			\$18.00	\$18.00	\$18.00			\$100.00	\$100.00	\$100.00
Distribution Energy Charge	7,040	kWh	\$38.02	\$38.02	\$38.02	98,748	Reactive	\$2,303.85	\$2,303.85	\$2,303.85
Distribution Demand Charge	20.32	kW/Dmd	\$92.86	\$92.86	\$92.86	1510.1	kW/Dmd	\$8,215.30	\$8,215.30	\$8,215.30
Power Supply Energy Charge	7,040	kWh	\$623.04	\$623.04	\$623.04	866,108	kWh	\$39,165.42	\$39,165.42	\$39,165.42
Power Supply Demand Charge								\$15,296.55	\$15,296.55	\$15,296.55
PSCAF - Monthly Factor	7,040	kWh	\$29.64	\$35.13	-\$53.36			\$3,464.00	\$4,105.79	-\$6,236.85
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
<b>Total Electric</b>			<b>\$832.02</b>	<b>\$837.51</b>	<b>\$749.02</b>			<b>\$71,698.73</b>	<b>\$72,340.52</b>	<b>\$61,997.88</b>
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
<b>Sub-Other Services</b>			<b>\$330.51</b>	<b>\$310.81</b>	<b>\$279.51</b>			<b>\$3,609.20</b>	<b>\$3,453.00</b>	<b>\$3,115.45</b>
<b>Total Billing - All Services</b>			<b>\$1,162.53</b>	<b>\$1,148.32</b>	<b>\$1,028.53</b>			<b>\$75,307.93</b>	<b>\$75,793.52</b>	<b>\$65,113.33</b>
<i>Verification Totals-&gt;</i>			<i>\$1,162.53</i>	<i>\$1,148.32</i>	<i>\$1,028.53</i>			<i>\$75,307.93</i>	<i>\$75,793.52</i>	<i>\$65,113.33</i>
				<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				\$14.21	\$134.00				-\$485.59	\$10,194.60
% Inc/Dec(-) to Prior Periods				1.24%	13.03%				-0.64%	15.66%
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Cost/kWh - Electric	7,040	kWh	\$0.11818	\$0.11896	\$0.10639	866,108	kWh	\$0.08278	\$0.08352	\$0.07158
% Inc/Dec(-) to Prior Periods				-0.66%	11.08%				-0.89%	15.65%
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%
<i>(Listed Accounts Assume SAME USA)</i>										
<i>(One "1" Unit CCF of Water = "Hundre</i>										

# Electric Dept. Report November 2016

There were 10 callouts during the month of November. One callout was to turn on electric at various locations. One Callout was to turn off electric service. One callout/outage was to refuse a cutout due to a lightning storm. One callout was to check on a report of arcing wires (unfounded). One callout/outage was due to a bad connection on a cutout. One callout was due to a communication cable that fell across Commerce Dr. One callout/outage was checked out and there was no outage upon arrival but later it was found to be a wire had arced and fused back together. One callout/outage was found to be a tree limb hitting a cutout insulator. One callout was to locate electric for a water main break. One callout/outage

**Line Crew/Service Truck/ Tree Crew:** Line crews completed two URD services on N and P-1. Crews completed all the work at the Industrial Substation project except the dedicated feeder to Tenneco. Primary URD replacements were completed on Lamar Lane and two businesses on Independence. Christmas lights were hung for Chamber of Commerce. Crews installed another URD circuit for the Christmas lights at Ritter Park. The Service truck installed new service drops and completed work orders and repaired street lights. The tree crew has been focusing on trimming the alleys in the west end.

**Storeroom/Inventory/Meter Reader:** Shawn has been helping repair and placed Christmas Lights, reading meters, cleaning and ordering inventory and helping crews as needed. Shawn is also in first year of a 4 year lineman training program for succession planning within our department.

The Peak Load for November, 2016 was 21.45 MW occurring on the November 28<sup>th</sup> at 7:30 PM. This was a decrease of 1.98 MW compared to November 2015. The average load was 16.52 MW. This was a decrease of 1.2 MW compared to November, 2015. The Gas Turbines and the JV2 and JV5 did not run. The Solar Field showed a peak of 3.36 MW. This was a .11 MW decrease compared to November 2015. The Solar field produced 354.51 MWH.

# City of Napoleon, Ohio



## SUMMARY OF NOVEMBER 2016 OUTAGE/STANDBY CALL-OUTS

### **November 2, 2016:**

One employee was dispatched by the City Building at 3:00 p.m. to turn on electric at various locations.

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### **November 3, 2016:**

Electric personnel were dispatched at 4:59 a.m. to R-858 County Road 15 due to a power outage. The outage lasted thirty five minutes and affected one customer. The outage was due to the storm and blowing a fuse. The personnel replaced the fuse.

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### **November 3, 2016:**

One employee was dispatched by the City Building at 3:00 p.m. to do a turn off of electricity on Yeager Street.

---

### **November 3, 2016:**

Electric personnel were dispatched at 8:18 p.m. to County Road S and County Road 12 due to a passenger in a vehicle that saw some arcing and notified the police department. The personnel found nothing wrong.

---

### **November 19, 2016:**

Electric personnel were dispatched at 3:07 a.m. to S968 County Road 14C due to a power outage. The outage lasted one hour and affected one customer. The outage was due to a bad connection at the cutout and it blew a fuse. The personnel fixed the connection and replaced the fuse.

---

### **November 19, 2016:**

Electric personnel were dispatched at 9:30 a.m. to Commerce Dr. due to a fiber line that fell across the road. The personnel taped the line back up in the air to clear the roadway.

---

### **November 19, 2016:**

Electric personnel were dispatched at 8:04 p.m. to S968 County Road 14C due to a power outage. When the personnel arrived they were back in power. The personnel did a complete check on the system and found nothing visible.

**November 20, 2016:**

Electric personnel were dispatched at 12:00 a.m. to P961 County Road 16 due to trees getting into the primary. The trees cracked the insulation on the cutout and the personnel replaced the cutout.

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**November 22, 2016:**

One employee was dispatched at 9:15 p.m. to locate electric lines for a water main break.

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**November 23, 2016:**

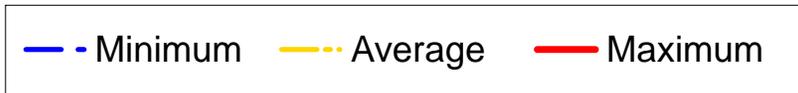
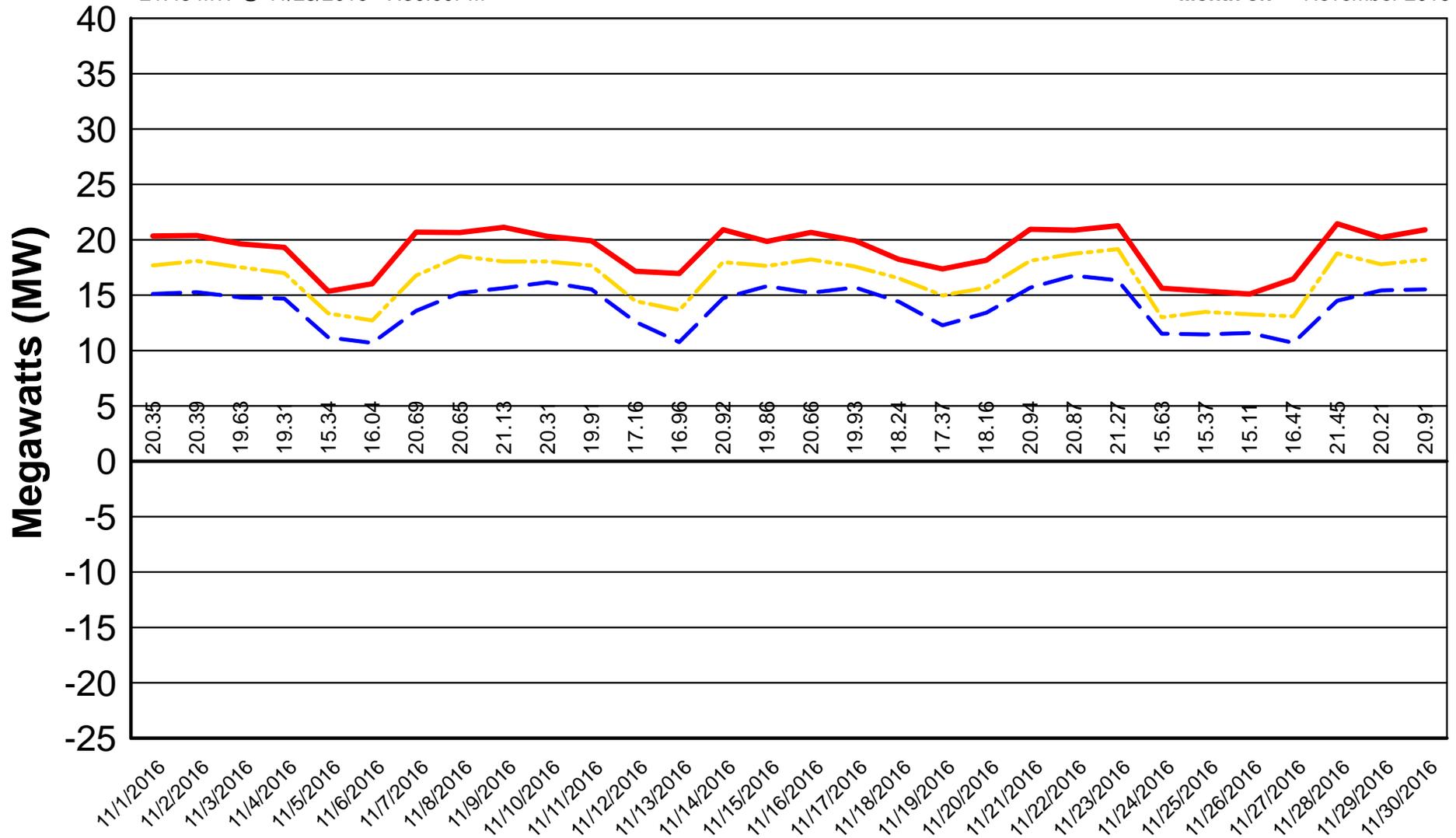
Electric personnel were dispatched at 9:00 p.m. to Glen Arbors Apartments due to a power outage. The outage lasted one hour and thirty minutes and affected eight customers. The outage was due to a blown lightning arrestor. The personnel re-fused the cutout.

# Napoleon Power & Light

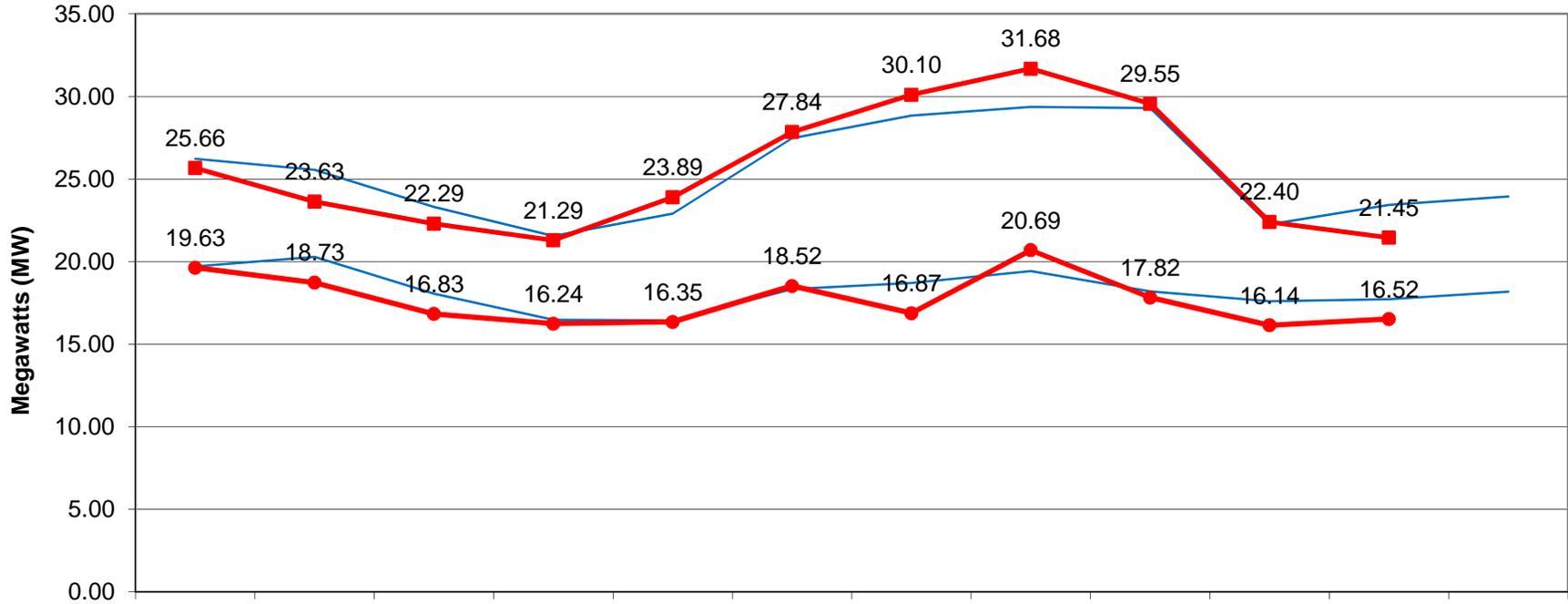
## System Load

Peak Load:  
21.45 MW @ 11/28/2016 7:30:00PM

Month of: November 2016



# NAPOLEON POWER & LIGHT



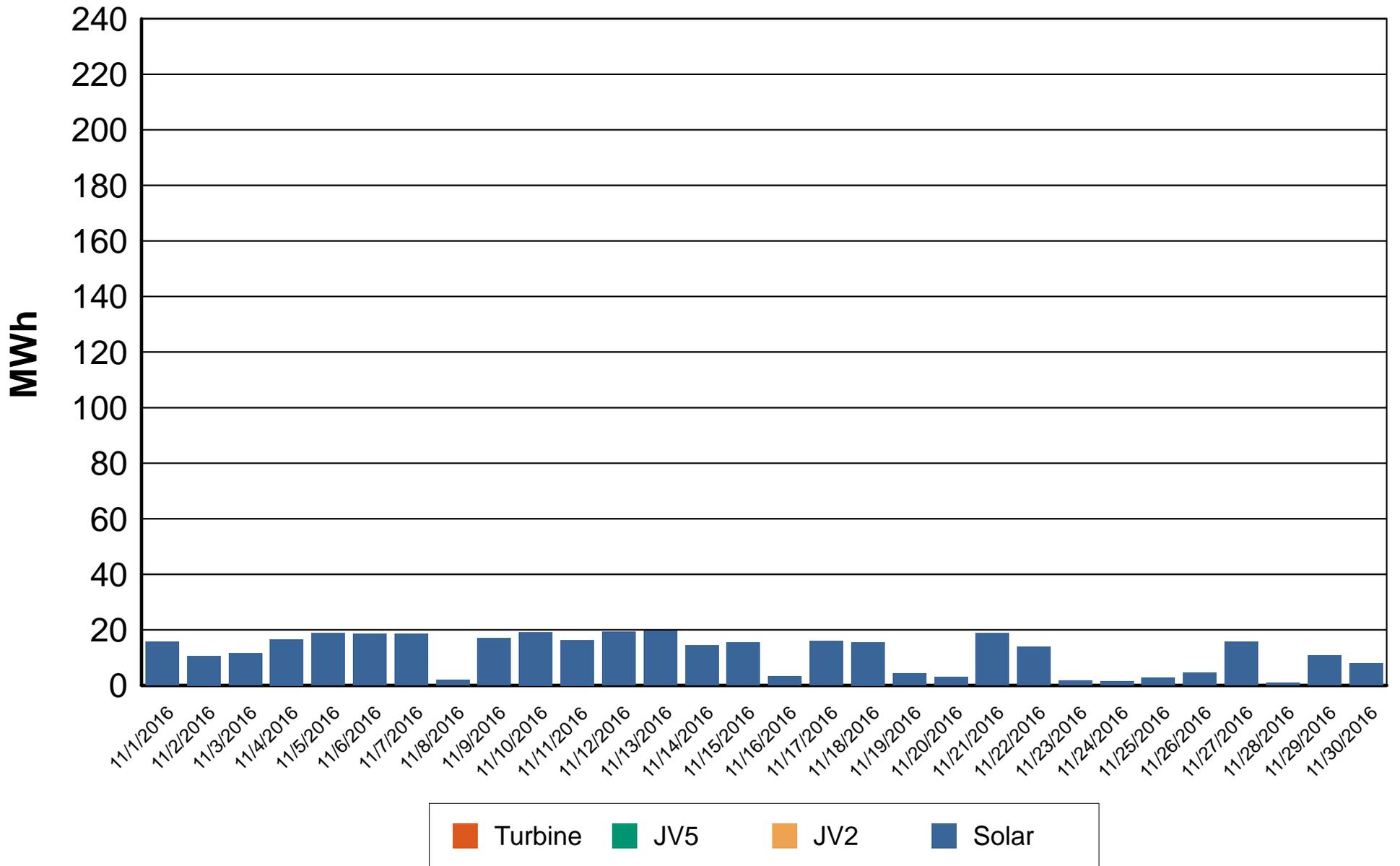
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1/1/2015	2/1/2015	3/1/2015	4/1/2015	5/1/2015	6/1/2015	7/1/2015	8/1/2015	9/1/2015	10/1/2015	11/1/2015	12/1/2015
— 2015 MAX	26.22	25.55	23.31	21.55	22.90	27.47	28.83	29.37	29.29	22.25	23.43	23.94
— 2015 AVG	19.70	20.28	18.05	16.48	16.43	18.33	18.71	19.43	18.19	17.59	17.72	18.17
— 2016 MAX	25.66	23.63	22.29	21.29	23.89	27.84	30.10	31.68	29.55	22.40	21.45	
— 2016 AVG	19.63	18.73	16.83	16.24	16.35	18.52	16.87	20.69	17.82	16.14	16.52	

— 2015 MAX    — 2015 AVG    — 2016 MAX    — 2016 AVG

# Napoleon Power & Light

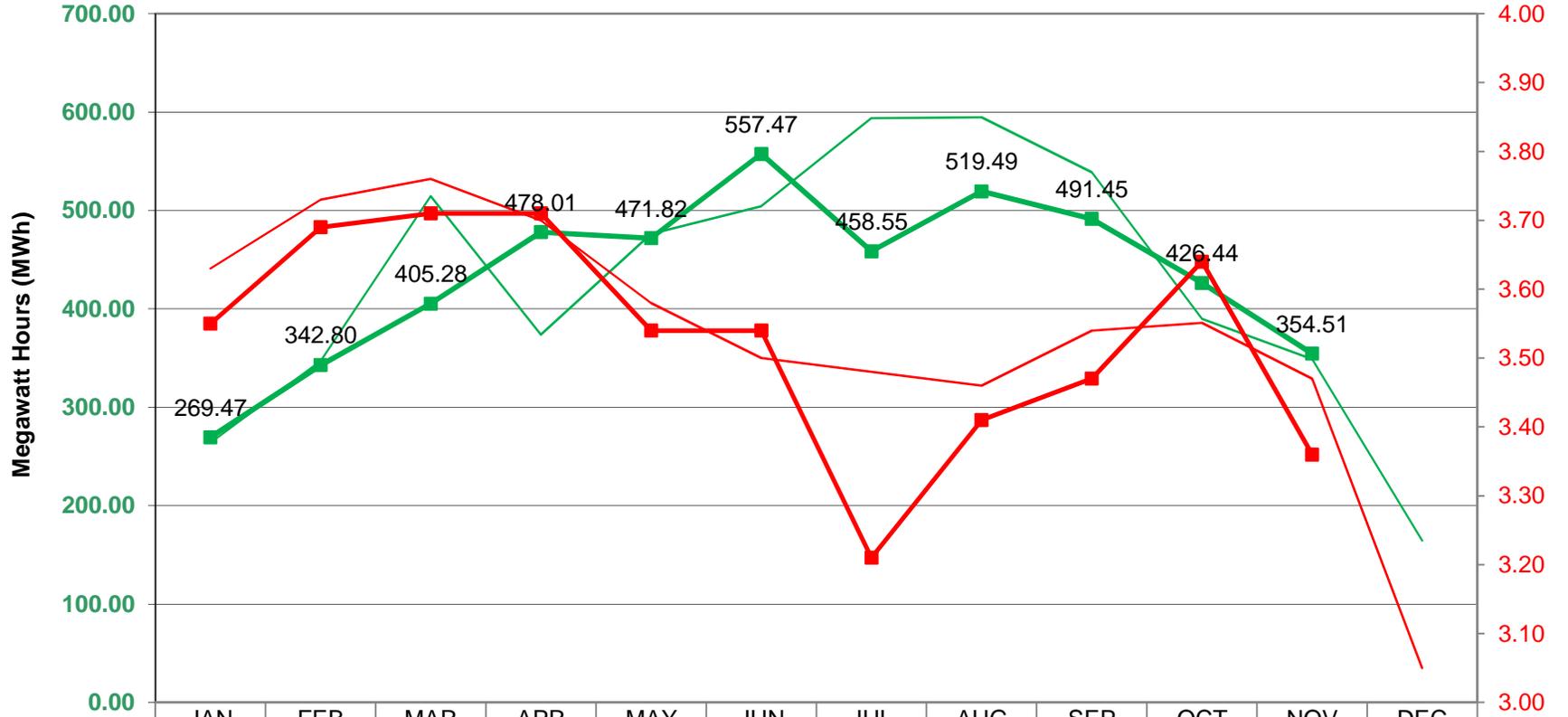
## Daily Generation Output

November 2016



# NAPOLEON POWER & LIGHT

Solar Field Output Trend

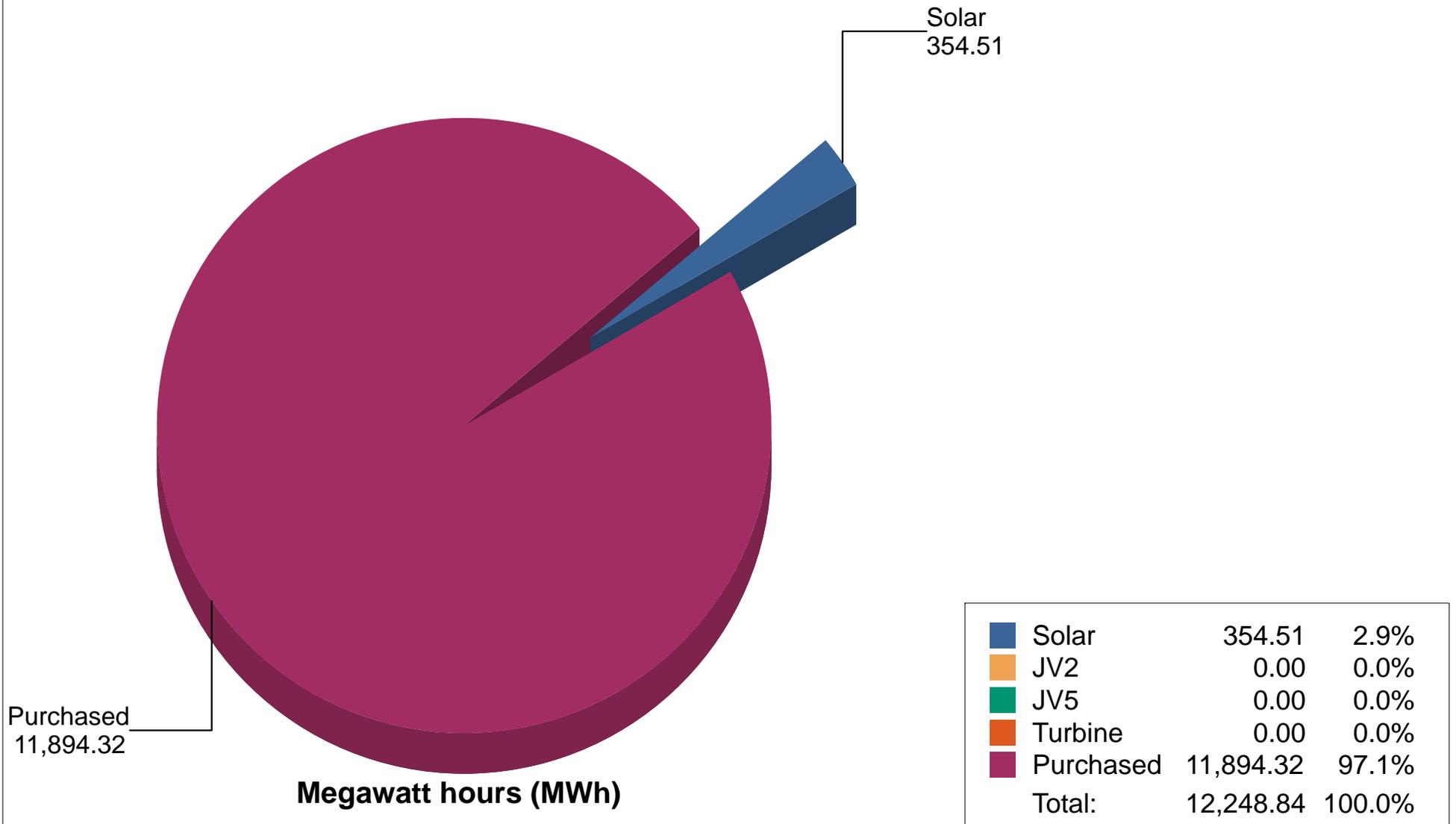


	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
— 2015 MWh	264.01	347.24	514.48	373.66	476.27	504.31	593.72	594.85	538.75	389.83	348.77	164.61
—■ 2016 MWh	269.47	342.80	405.28	478.01	471.82	557.47	458.55	519.49	491.45	426.44	354.51	
— 2015 PEAK	3.63	3.73	3.76	3.70	3.58	3.50	3.48	3.46	3.54	3.55	3.47	3.05
—■ 2016 PEAK	3.55	3.69	3.71	3.71	3.54	3.54	3.21	3.41	3.47	3.64	3.36	

# Napoleon Power & Light

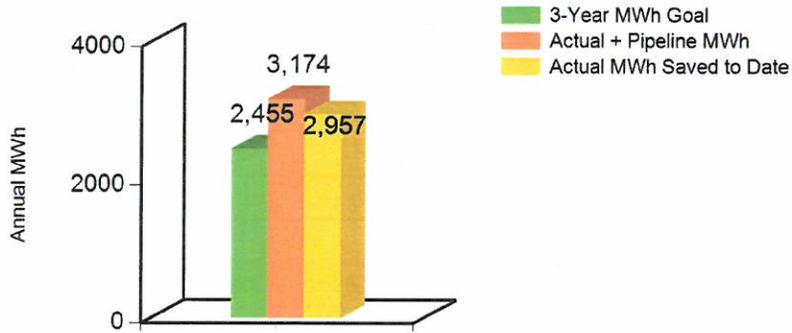
## Power Portfolio

November 2016

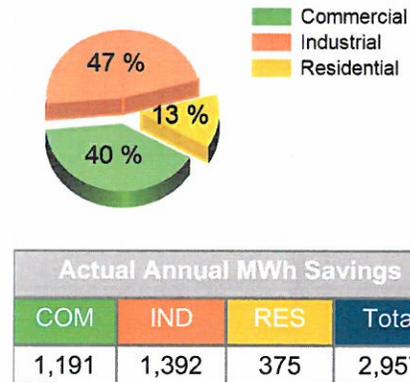


### Actuals

Progress Toward 3-year Goals



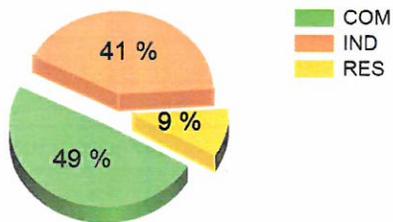
Actual Annual MWh % by Market



Actual Annual MWh Savings

COM	IND	RES	Total
1,191	1,392	375	2,957

Lifetime Customer Savings by Market



Lifetime Customer Savings by Market

COM	IND	RES	Total
\$1,612,820	\$1,358,721	\$306,301	\$3,277,843

**\$3,277,843**

Lifetime Customer Savings for City of Napoleon

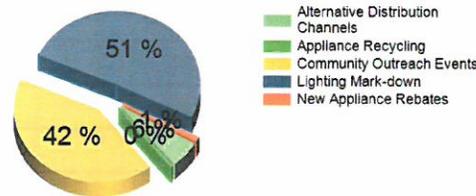
**120%**

**Percent of 3-Year MWh Goal**

**2,957**

**MWh Saved**

Residential Savings Measure Installs by Program



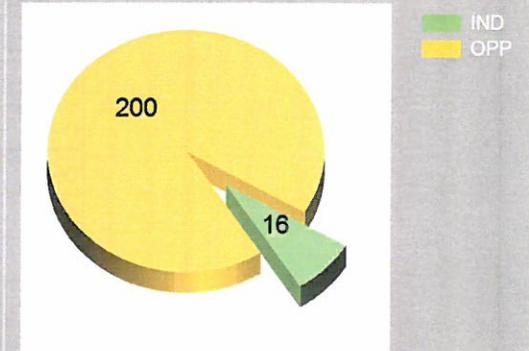
Residential Savings Measure Installs by Program

Appliance Recycling	New Appliance Rebates	Lighting (Online and Retail)	Total
40	109	10,056	10,205

**956 Total Residents Served**

### Pipeline

50% Likely Pipeline by Market (MWh)



Commercial Project Pipeline

0 Projects	0 MWh
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Industrial Project Pipeline

1 Projects	16 MWh
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Opportunities Pipeline

3 Opportunities	200 Estimated MWh
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*City of Napoleon, Ohio*  
**BOARD OF PUBLIC AFFAIRS (BOPA)**  
**Meeting Agenda**  
**Monday, December 12, 2016 at 6:30 pm**

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

1. Approval of the Minutes from November 14, 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 December, 2016:  
PSCAF three (3) month averaged factor-\$0.00421  
JV2: \$0.057840  
JV5: \$0.057840
3. Electric Department Report.
4. Any other matters to come before the Board.
5. Adjournment

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Gregory J. Heath  
Finance Director/Clerk of Council



**Electric Department  
Reports**

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

Dennie Clapp, Electric Distribution Superintendent gave the electric department reports from October 2016, a copy of the detailed reports is attached. Clapp noted that today the line crews finished hooking up the 69 kV loop into the substation. Under the Peak Load paragraph, all the v's in that paragraph are megawatts, not megavolts.

John Courtney from Courtney and Associates reviewed the presentation they put together on the revenue requirements with the analysis being to raise the revenues overall by 34% by the year 2019. It is their recommendation to raise the rates by 10% per year over the next three (3) years compounded annually.

The Cost of Service Study results indicate that the wholesale class is being subsidized by the other classes. The tail block is substantially lower than the base cost of service and the future rate adjustment should be reflected only in the commodity charge, the capacity charge should stay where it is today.

For comparison purposes:

on the commodity side for the first 1,000 cu. ft.

the current charge is \$5.20, under the proposed rates:

in 2017 the cost would be \$5.86,

in 2018 it would be \$6.58; and

in 2019 the cost would be \$7.38;

for the typical residential customer using 500 cu. ft.

at the current rate their bill is \$37.07, under the proposed rates:

it would increase to \$40.37 in 2017,

in 2018 it would be \$43.97 and

in 2019 the cost would be \$47.97.

In 2019 the typical residential bill ends up at about a 29% increase. Based upon all the increase going into commodity, the sample industrial goes up slightly higher. Those with a 3" meter would see less of an increase and the wholesale bill for a 4" meter would be about a 39% increase. These are based on assumed costs in 2019 for debt service. It is recommended that the water rate cost of service study be updated in 2019 once you have the final cost of the water treatment plant improvements to make any adjustments, if needed.

Heath asked "to be clear, this rolls in the projected debting of the Water Treatment Plant, these would be the rates by the time we reach 2019".





*City of Napoleon, Ohio*

**CIVIL SERVICE COMMISSION**

**SPECIAL MEETING AGENDA**

**Tuesday, December 13, 2016 at 4:30 pm**

Location: Council Chambers, 255 West Riverview Avenue, Napoleon, OH

1. Approval of the Minutes from November 22, 2016 *(in the absence of any objections or corrections, the minutes shall stand approved.*
2. Approve the applicants for the Firefighter/Paramedic and Patrolman Civil Service Test.
3. Any other matters to come before the Commission.
4. Adjournment.

---

Gregory J. Heath  
Finance Director/Clerk of Council

City of Napoleon, Ohio  
**CIVIL SERVICE COMMISSION**

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**Meeting Minutes**

Tuesday, November 22, 2016 at 4:30 PM

**PRESENT**

Members  
City Staff

Bill Finnegan - Chair, Megan Lytle-Steele  
Gregory J. Heath, Finance Director  
Morgan Druhot, Human Resources Director

Recorder

Roxanne Dietrich

**ABSENT**

Dave Creager

**Call To Order**

Finnegan called the meeting to order at 4:30 PM.

**Approval Of Minutes**

Minutes of the October 25, 2016 meeting stand approved with no objections or corrections.

**Request to Extend  
Deadline for Applications**

Druhot explained she has not received a lot of applications and is asking to extend the deadline for applications until Tuesday, December 13, 2016 at 12 Noon and then have a Civil Service Commission meeting that afternoon to approve the applications.

Finnegan asked if that will keep us on schedule.

Druhot replied it would. When she puts the ad out this time she will say there are current openings, she did not include that before.

**Motion to Extend  
Application Deadline to  
December 13, 2016 at  
12 Noon**

Motion: Lytle-Steele                      Second: Finnegan

To extend the deadline to receive applications to December 13, 2016 at 12 Noon.

**Passed**  
**Yea-2**  
**Nay-0**

Roll call on the above motion:  
Yea-Lytle-Steele, Finnegan  
Nay-

**Special Meeting to  
Approve Applications  
December 13, 2016  
at 4:30 pm**

Motion: Lytle-Steele                      Second: Finnegan

To set a Special Civil Service Commission meeting for Tuesday, December 13, 2016 at 4:30 pm to approve the applications.

**Passed**  
**Yea-2**  
**Nay-0**

Roll call on the above motion:  
Yea-Lytle-Steele, Finnegan  
Nay-

**Motion to Adjourn**

Motion: Lytle-Steele                      Second: Finnegan

To adjourn the meeting at 4:32 pm.

**Passed**

**Yea-2**

**Nay-0**

Date Approved

December 13, 2016

Roll call vote on the above motion:

Yea – Lytle-Steele, Finnegan

Nay-

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Bill Finnegan, Chair



## 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

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# MEMORANDUM

**TO:** Water/Sewer Committee, City Council, Mayor, City Manager, City Law Director, City Finance Director, Department Supervisors, Newsmedia

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

**DATE:** December 9, 2016

**RE:** Water/Sewer Committee Meeting Cancellation

---

The regularly scheduled meeting of the Water, Sewer, Refuse, Recycling & Litter Committee for Monday, December 12, 2016 at 7:00 pm has been CANCELED due to the lack of agenda items.



## 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

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# MEMORANDUM

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

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

**DATE:** December 9, 2016

**RE:** Municipal Properties/ED Committee Meeting Cancellation

---

The regularly scheduled meeting of the Municipal Properties & Economic Development Committee for Monday, December 12, 2016 at 7:30 pm has been CANCELED due to the lack of agenda items.



## CITY OF NAPOLEON, OHIO

255 West Riverview Avenue • PO 151 • Napoleon, Ohio 43545-0151  
Gregory J. Heath, Director of Finance/Clerk of Council  
phone (419) 599-1235 fax (419)-599-8393  
Web Page: [www.napoleonohio.com](http://www.napoleonohio.com)  
E-mail: [gheath@napoleonohio.com](mailto:gheath@napoleonohio.com)

December 6, 2016

To All Water Wholesale Customers

- Village of Florida
- Village of Liberty Center
- Village of Malinta
- Henry County Regional Water & Sewer District

RE: Increase to Water Rates over the next Three Year Period at 10% Compounded per Year

To Whom it May Concern:

Please be put on notice the City of Napoleon, Ohio (City), has taken and approved, First (1<sup>st</sup>) read on Ordinance No. 051-16 increasing Water Rates by 10% per year for 2017, 2018 and 2019 compounded. These increases were previously brought before Council Committee and Board of Public Affairs, whom recommended the increase to City Council. (Please See Attached Copy of Read Ordinance No. 051-16)

At the upcoming meeting on Monday, December 19, 2016, it is anticipated that City Council will Pass Ordinance No. 051-16 under Suspension of Rules so this increase may be in place prior to January 1, 2017. The new water rate (10% increase) for 2017 will be reflected in the February 1, 2017 utility bills.

The increase as listed does include the cost of Debt Service for the Water Plant Rehabilitation Project.

You are being placed on notice of this change to rates in advance as a courtesy in case your governing bodies need to make any corresponding rate changes to your own billings.

Should you have any questions please feel free to contact me at (419) 599-1235.

Sincerely,

Gregory J. Heath  
Finance Director/Clerk of Council

Attachment

Cc: Members of City Council  
Jason P. Maassel, Mayor  
Chad Lulfs, Acting City Manager  
Billy Harmon, City Law Director



HENRY COUNTY  
LOCAL EMERGENCY PLANNING COMMITTEE (LEPC)

Henry County Office Complex  
1853 Oakwood Avenue  
Napoleon, OH 43545

Nick Nye  
LEPC Coordinator  
Phone: 419-599-5827  
Fax: 419-592-4016  
Lepc@henrycountyohio.com

Chief,

I just wanted to take this time to say thank you to you for participating in the hazmat exercise on November 15th. The Napoleon PD truly has a great leader at the helm and it showed during this year's exercise. Also, I would like to add praise to the performance of LT. Mack. His knowledge, ability to think quickly in a situation that we exercised was very well executed. Lt. Mack is a tremendous asset to your department, and to the community. Also, I would like to thank Ryan VonDeylen for manning the dispatch. Ryan has proven to be a top notch dispatcher as well as a great officer in your department and has proven that he can handle any task you send his way. I know with it being an EOC exercise it is hard to visualize the situation and to grasp everything that is going on around you but you performed very well. You really can tell you have a real passion for what you do and the pride you take in performing your job. Again, I can't thank you enough for what you and the PD do. Job well done Chief!

Thank You,

Nick Nye

Deputy Director

Henry County EMA/LEPC



# Update

A weekly newsletter presented by AMP President/CEO Marc Gerken

December 2, 2016

## November 2016: Warm start to winter leads to low market prices

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

Most generators returned from their fall outages to find lower-than-normal loads from the warm weather during the month. This led to average daily prices below \$30/MWh, which was more than \$3/MWh less than October. The drop in market prices from October to November is unusual. The \$3 dip was the largest negative difference in the two months since 2005, when on-peak prices decreased from \$74 in October to \$57 in November. Negative congestion continued on the PJM West to PP&L and Indiana Hub to AEP/Dayton Hub paths.

### AVERAGE DAILY RATE COMPARISONS

	November 2016 \$/MWh	October 2016 \$/MWh	November 2015 \$/MWh
A/D Hub 7x24 Price	\$26.28	\$29.53	\$27.10
PJM West 7x24 Price	\$26.82	\$30.20	\$27.72
A/D to AMP-ATSI Congestion/Losses	-\$0.09	-\$0.48	-\$0.58
A/D to Blue Ridge Congestion/Losses	\$1.19	\$1.70	\$0.97
A/D to PJM West Congestion/Losses	\$0.54	\$0.67	\$0.62
PJM West to PP&L Congestion/Losses	-\$4.47	-\$10.00	-\$6.43
IND Hub to A/D Hub Congestion/Losses	-\$1.60	-\$3.14	\$1.72

## Energy markets update

By Jerry Willman – assistant vice president of energy marketing

The December 2016 natural gas contract increased \$0.153/MMBtu to settle at \$3.505. The EIA reported a withdrawal of 50 Bcf for the week ending Nov. 25, which was 1 Bcf above market expectations. Recent weather forecast volatility has provided life to the market as traders position for a possible cold outbreak around Chicago by the end of next week that reaches further into New England by Dec. 10.

On-peak power prices for 2017 at AD Hub closed yesterday at \$37.17/MWh, which was \$1.14/MWh higher for the week.

## Board members, staff attend APPA Summit

By David Deal – director of sustainability

Members of the AMP Board of Trustees and AMP staff recently attended the American Public Power Association (APPA) Public Power Forward Summit in Arlington, Virginia. The summit was an event for those in public power to explore the important policy, operational and communications issues defining the future of the industry. AMP's Focus Forward Initiative was developed to assist AMP members in addressing these national trends. Topics at this year's summit included:



Tom Natarian, AMP Board member and director of operations for the Borough of Ephrata, presents at the Public Power Forward Summit.

- Industry changes and shifting state/federal landscape, including initial implications for public power under President-elect Trump's administration.
- The future of energy storage and public power case studies focused on integrating storage and solar.
- Department of Energy (DOE) grid modernization public power case studies highlighting federally funded public power projects focused on grid resiliency, distribution system monitoring and fiber upgrades.
- Consumer perspectives of Public Power Forward, including changes to rate design and shifting customer preferences.

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## Gorsuch, Wright scholarship deadline approaches

By Jodi Allalen – member events & programs coordinator

As a reminder, the deadline to submit nominations for AMP's Lyle B. Wright and Richard H. Gorsuch scholarships is Dec. 9. Scholarship packets were mailed to principal contacts and high schools in member communities last month.

Member communities can nominate one high school student for each scholarship (Gorsuch and Wright). Wright scholarship applicants must be students whose household receives electricity from an AMP member community. Applicants for the Gorsuch scholarship must be students whose parent or guardian is an employee of an AMP member municipal electric department or an employee of AMP.

Up to four Wright and up to four Gorsuch scholarships will be awarded, each for \$2,500. Scholarship recipients will be determined by the AMP Board of Trustees and announced in April.

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



### AMP presents Cramer with Hard Hat Safety Award

Scott McKenzie (right), AMP member safety manager, presents a 2016 Hard Hat Safety Award to Dan Cramer, substation maintenance supervisor for the City of Columbus. The AMP Hard Hat Safety Awards recognize municipal electric system employees who contribute to safety within their department and community. Communities with Hard Hat Award winners were recognized at the 2016 AMP/OMEA Conference in Columbus, but individuals were not announced. They are, and will continue to be, recognized at meetings in their home communities and presented with awards at that time.

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

Week ending Dec. 2				
MON	TUE	WED	THU	FRI
\$28.11	\$29.42	\$29.73	\$31.55	\$36.09

Week ending Nov. 18				
MON	TUE	WED	THU	FRI
\$29.39	\$30.20	\$29.58	\$27.41	\$26.54

AEP/Dayton 2017 5x16 price as of Dec. 1 — \$37.17

AEP/Dayton 2017 5x16 price as of Nov. 17 — \$35.49

## AMP attends APPA summit

*continued from Page 1*

Tom Natarian, AMP Board member and director of operations for the Borough of Ephrata, presented on the importance of using technology and rate design to meet customer expectations and maintain utility operations.

The Public Power Forward Summit is part of APPA's Public Power Forward initiative, designed to help prepare members for the changing climate of the electric industry. The presentations from the conference are available on the APPA [website](#) and will be posted to the Focus Forward portion of Member Extranet section of the AMP [website](#).

## IT team welcomes Samuell as systems administrator

By Josh Thompson – manager of cyber security

Cory Samuell recently joined the AMP IT team as senior systems administrator - cyber. He will be responsible for system, network and design, with a focus on cyber security. Samuell previously worked as a consultant for AMP and was a network and cyber security consultant for Fusion Alliance.



Cory Samuell

Samuell holds an associate's degree in computer systems administration from DeVry University and is an accredited certified engineer for Palo Alto Networks firewalls.

Please join me in welcoming Cory to AMP.

## AMP hydropower projects featured in NHA publication

AMP's hydropower generation and development projects were recently featured in the National Hydropower Association's (NHA) online publication, The HydroElectric. The article, available [here](#), discusses AMP's phase I hydro projects and joint ventures, as well as the benefits of hydropower to AMP members and the electric industry at large.



## News or Ads?

Call Kerin Scott at 614.540.6406 or email to [kscott@amppartners.org](mailto:kscott@amppartners.org) if you would like to pass along news or ads.



## Lakeview seeks lineworker

The Village of Lakeview is accepting applications for an electric lineworker/laborer position. Wages will be based on knowledge and experience. A full job description can be obtained at the village office. Applicants can drop off resumes or pick up applications at the village office. Applications can also be downloaded from the village [website](#). Regular village office hours are 9 a.m. to noon and 1 p.m. to 4 p.m. Return applications, marked "electric department position," to Village of Lakeview, 126 N. Main St., PO Box 197, Lakeview, Ohio, 43331.

## AMP is in search of candidates for multiple positions

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

**Accountant** – This position is responsible for the preparation, analysis and review of financial statements for projects on behalf of AMP's members, research and follow-up on variances to budget, month-end close processes and accruals, account reconciliations, and manual journal entries. Partners with the accounting team to remediate control deficiencies, ensure workflows are documented, best practices are implemented, and policies and procedures are in place to ensure internal controls are in compliance with Sarbanes-Oxley standards. Qualifications include a bachelor's degree from an accredited university. A minimum of two to five years of relevant experience, and proficiency with Oracle E-Business Suite and Microsoft Excel are preferred. CPA and/or MBA, as well as general knowledge of the energy industry and FERC uniform system of accounts are desired.

**AMI/MDM Operator** – This position will work within AMP's new advanced metering program and provide support to AMP members participating in the program. The ideal candidate will have a working knowledge of municipal utility billing and metering processes. While the successful candidate will be trained on AMP's advanced metering systems, existing knowledge of handheld meter reading, AMI head ends, AMR collection systems, or meter data management systems is desirable. Operator will monitor and ensure the scheduled tasks that make up the AMI processes are run and completed successfully. The operator will support members in the preparation and maintenance of daily, weekly and monthly processing schedules for AMI system operation. Position will work with various vendors' support personnel to track and verify the quality of data from all AMI sources, troubleshooting problems and resolving issues. The AMI/MDM Operator will also assist programmers and technical support in testing and debugging new applications and upgrades

for the AMI and MDM systems. Qualifications required are good oral and written communications skills, a results-oriented work ethic, and a working knowledge of Microsoft Office. Two-year technical degree or four-year business degree is preferred, but equivalent experience in utility customer operations will be accepted.

**Director PJM Regulatory Affairs** – This position works to increase AMP's presence and influence in the PJM stakeholder processes and FERC and DOE, and assure AMP operations and planning personnel are apprised of latest PJM rules as well as providing input as new rules are developed. Qualifications include a four-year accredited degree in engineering, economics, science or business. Must have a minimum of 15 years of experience in electric industry analysis, competitive markets, operation, planning or transmission; and a minimum of five years of direct participation in the PJM stakeholder process. Candidates must have knowledge of the PJM stakeholder process and Robert's Rules of Order; and the PJM energy and ancillary services market rules, market settlements and emerging generation and transmission technologies. Position will be based out of Philadelphia, Pennsylvania.

**Director of Transmission Planning** – The director of transmission planning actively participates in RTO regional and local transmission planning processes, and RTO stakeholder processes. Qualifications include a four-year accredited degree in electrical engineering. Professional engineer certification preferred, as is a minimum of 10 years of experience in power system studies. Strongly preferred to have a minimum of five years of experience in the RTO regional and local transmission planning processes, and to have prior experience with power system analysis software. Candidates must also have knowledge of NERC, RTO and individual transmission owner planning criteria and guidelines, as well as FERC Form 715.

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

**Vice President of Generation Development & Optimization** – This position is responsible for the management and oversight of generation project development, and the optimization of AMP generation resources to the benefit of members. Qualifications include a four-year accredited degree in engineering or business, and a minimum of five to seven years of experience in the electric industry is required – 10 to 15 years of experience is strongly preferred. Power generation experience and experience with Maximo system are preferred.



## Legislative Bulletin

December 2, 2016

### **FINAL WEEK OF LAME DUCK SESSION APPROACHES WITH SEVERAL MUNICIPAL ISSUES BEING ADVANCED**

This week the League continued advocating for the issues that we discussed in last week's legislative bulletin. Much work has been done behind the scenes and we are optimistic about how that may manifest next week in the form of amendments. Below is a quick review of some of the issues the legislature is preparing to act on next week affecting municipalities.

First, we alerted our members last week to a legislative proposal being advanced by AT&T that would eliminate local control for Ohio municipalities with respect to their rates, zoning and maintenance efforts regarding pole attachments of "small cell" wireless antennas and accessory equipment. A copy of the language can be found [HERE](#). As you may remember, this proposal granted AT&T (and others) a 'carte blanche' preemption allowing them to attach these wireless antennas to any municipal structure within the municipal right of way. Not only did it strip local communities of the right to decide what is best, safest and even what is most aesthetically pleasing for their municipality, but it also placed municipalities under the jurisdiction of the PUCO. Because current statute requires municipalities to grant non-discriminatory access to companies like AT&T, such a proposal was completely unwarranted and gave precedent to companies only concerned about their bottom line -at the expense of Home Rule and what is best for municipalities.

The League, along with AMP Ohio/OMEA met with legislators and interested parties (including officials from AT&T) for several hours this week to discuss the concerns of municipalities. As of this writing, both sides are working on the proposals that were discussed and *may be close* to agreement on multiple issues. We will be meeting throughout the next

several days to hopefully work out our differences before the proposal is finalized and added to a yet-to-be-determined bill before moving through the final legislative process.

We will be sure to report the outcome of this issue in our next bulletin.

Second, Senate Bill 235, introduced by Senator Bill Coley (R-Cincinnati) and Bill Beagle (R-Dayton) continues to move forward. The bill would exempt from property tax the increased value of property on which industrial or commercial development is planned until construction of new commercial or industrial facilities at the property commences. Today, the House Finance Committee accepted a sub-bill. The Legislative Service Commission has created a comparison document that will allow you to see the changes under the amendments offered this week. It can be viewed [Here](#). As you will see, there have been substantial improvements made to the proposal, restoring local control on important economic development agreements and providing other safeguards that will preserve the integrity of current and future compacts. The league appreciates the attention of the Finance Committee leadership, as well as the concerns our members raised to the legislature on this issue.

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Third, Senate Bill 27-a bill introduced by Sen. Tom Patton (R-Lyndhurst) that addresses cancer in firefighters-was amended last week by a sub-bill at the recommendation of the OML. Briefly, here are the substitute version changes:

- \* increases from three to six years the time during which a person would have to serve as a firefighter on hazardous duty before qualifying for a presumption;
- \* deletes a previous list of cancers; removes language regarding the identification of health conditions in pre-employment screenings;
- \* establishes a rebuttable presumption if a person's tobacco use could be a cause of their cancer;
- \* requires firefighters to show that carcinogens to which they have been exposed are linked to cancer;
- \* allows a presumption to be rebuttable if it can be shown that a person was not exposed to a carcinogen.

League staff have been working closely on the final components of the substitute language and appreciates the expertise provided by our members to improve upon the bill. A final vote will not be taken until next week and more changes are expected before it is returned to the Ohio Senate for their approval. Next week, we will be able to provide a more comprehensive review of the final changes made to the bill.

Below is a list of announced committees for next week. If there are additions or changes to the schedule, we will post those to our website.

**COMMITTEE SCHEDULE FOR THE WEEK OF DECEMBER 4, 2016**

**Tuesday, December 6, 2016**

**HOUSE FINANCE**

Rep. Smith : 614-466-1366

*Tue., Dec. 6, 2016, 9:00 AM, Hearing Room 313*

**SB235** INCREASED VALUE-PROPERTY TAX (BEAGLE B, COLEY W) To exempt from property tax the increased value of property on which industrial or commercial development is planned until construction of new commercial or industrial facilities at the property commences

**Fifth Hearing, All Testimony, AMENDMENTS/POSSIBLE VOTE**

**SB331** DOG SALE-PET RETAILER (PETERSON B) To regulate the sale of dogs from pet stores and dog retailers and to require the Director of Agriculture to license pet stores.

**Third Hearing, All Testimony, AMENDMENTS/SUBSTITUTE BILL**

**SB319** OPIATE MBR (EKLUND J) To revise certain laws regarding the regulation of drugs, the practice of pharmacy, and the provision of addiction services.

**Third Hearing, All Testimony, AMENDMENTS/POSSIBLE VOTE**

**SENATE INSURANCE**

Sen. Hottinger: 614-466-5838

*Tue., Dec. 6, 2016, 10:30 AM, South Hearing Room*

**HB388** OVI OFFENDERS-IGNITION INTERLOCK (SCHERER G) To authorize a court to grant unlimited driving privileges with an ignition interlock device to first-time OVI offenders, to expand the penalties related to ignition interlock device violations, to modify the law governing the installation and monitoring of ignition interlock devices, to extend the look back period for OVI and OVI-related offenses from six to ten years, and to modify the penalties for OVI offenses.

**Third Hearing, Opponent Testimony, POSSIBLE VOTE**

**Wednesday, December 7, 2016**

**HOUSE HEALTH AND AGING**

Rep. Gonzales: 614-466-4847

*Wed., Dec. 7, 2016, 9:30 AM, Hearing Room 116*

**HB132** CONTRACEPTION COVERAGE-EDUCATION (LEPORE-HAGAN M, BISHOFF H) Regarding coverage for prescription contraceptive drugs and devices, the provision of certain hospital and pregnancy prevention services for victims of sexual assault, and comprehensive sexual health and sexually transmitted infection education in schools.

**First Hearing, Sponsor Testimony**

**HOUSE FINANCE**

Rep. Smith: 614-466-1366

*Wed., Dec. 7, 2016, 10:00 AM, Hearing Room 313*

**SB235** INCREASED VALUE-PROPERTY TAX (BEAGLE B, COLEY W) To exempt from property tax the increased value of property on which industrial or commercial development is planned until construction of new commercial or industrial facilities at the property commences.

**Sixth Hearing, All Testimony, AMENDMENTS/POSSIBLE VOTE**

**SB331** DOG SALE-PET RETAILER (PETERSON B) To regulate the sale of dogs from pet stores and dog retailers and to require the Director of Agriculture to license pet stores.

**Fourth Hearing, All Testimony, AMENDMENTS/SUBSTITUTE BILL/POSSIBLE VOTE**

**Thursday, December 8, 2016**

**HOUSE FINANCE**

Rep. Smith: 614-466-1366

**SB235** INCREASED VALUE-PROPERTY TAX (BEAGLE B, COLEY W) To exempt from property tax the increased value of property on which industrial or commercial development is planned until construction of new commercial or industrial facilities at the property commences.

**Seventh Hearing, All Testimony, AMENDMENTS/POSSIBLE VOTE**

**SB331** DOG SALE-PET RETAILER (PETERSON B) To regulate the sale of dogs from pet stores and dog retailers and to require the Director of Agriculture to license pet stores.

**Fourth Hearing, All Testimony, AMENDMENTS/SUBSTITUTE BILL**

**PLEASE CHECK OUR WEBSITE MONDAY MORNING FOR  
CHANGES TO THE COMMITTEE SCHEDULE**

**Meeting/ Training**

<b>2017 Mayors Court Training</b>	<b>January &amp; February</b>	<b><u><a href="#">Registration Form</a></u></b>
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[Ohio Municipal League](#)

Legislative Inquires:

[Kent Scarrett, Executive Director](#)

[Edward Albright, Deputy Director](#)

[Josh Brown, Director of Communications](#)