
Memorandum

To: Mayor & Members of Council
From: Roxanne
Subject: General Information
Date: September 08, 2016

CALENDAR

Agenda **MONDAY, SEPTEMBER 12th @6:30 PM**

Electric Committee and Board of Public Affairs

1. Approval of Minutes from the August 08 Meeting – the minutes are enclosed
2. Review/Approval of the Power Supply Cost Adjustment Factor for September 2016 – the reports are attached
3. Electric Department Report for August 2016 is enclosed
4. Review of the Net Metering Policy (Tabled)
5. Review of the Automatic Renewal of Efficiency Smart Contract – is enclosed is a Memorandum from Monica on this subject.

Agenda **MONDAY, SEPTEMBER 12th @7:00 PM**

Municipal Properties/ED Committee

1. Approval of Minutes from the August 08, 2016 Meeting – the minutes are enclosed
2. Review of CIC Agreement due to the Resignation of Director Amanda Griffith (Tabled)
3. Review of Goals for the CIC (Tabled)
4. Review of Sidewalks on Industrial Drive Project – Monica's Memorandum is enclosed.

CANCELLATIONS

- Water/Sewer Committee
- Board of Zoning Appeals
- Planning Commission

Agenda - **SATURDAY, SEPTEMBER 17TH @8:00 AM**

- Civil Service Commission

INFORMATIONAL ITEMS

1. EPA's State and Local Climate and Energy Newsletter/*State and Local Climate and Energy Roundup*
2. AMP Update/September 2, 2016

September 2016

◀ Aug 2016

Oct 2016 ▶

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			August 31 6:30 pm Parks & Rec Bd	1	2	3
4	5 Labor Day Offices Closed	6 7:00 pm City Council	7	8	9	10
11	12 6:30 pm Electric Committee 6:30 pm Board of Public Affairs 7:00 pm Muni Prop/ED Comm	13	14	15	16	17 8:00 am Civil Service Testing
18	19 6:00 pm Tree Comm 6:15 Parks & Rec Comm 6:30 pm Ad-Hoc Committee on Organizational Health 7:00 pm City Council	20	21	22	23	24
25	26 6:30 pm Finance & Budget 7:30 pm Safety & Human	27 4:30 pm Civil Service Comm	28 6:30 pm Parks & Rec Board	29	30	

City of Napoleon, Ohio

ELECTRIC COMMITTEE

Meeting Agenda

Monday, September 12, 2016 at 6:30 pm

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

- I. Approval of Minutes from August 08, 2016 *(In the absence of any objections or corrections, the Minutes shall stand approved)*
- II. Review/Approval of the Power Supply Cost Adjustment Factor for September, 2016:
PSCAF three (3) month averaged factor: \$0.01329
JV2: \$0.010999
JV5: \$0.010999
- III. Electric Department Report.
- IV. Review of the Net Metering Policy (Tabled).
- V. Review of the Automatic Renewal of Efficiency Smart Contract.
- VI. Any other matters currently assigned to the Committee
- VII. Adjournment

Gregory J. Heath, Finance Director/Clerk of Council

**City of Napoleon, Ohio
Electric Committee
Meeting Minutes
Monday, August 8, 2016 at 6:30pm**

PRESENT

Members

Board of Public Affairs

Absent

City Staff

Travis Sheaffer, Chair; Patrick McColley, Dan Baer

Mike DeWit – Chair, Dr. David Cordes,

Nick Frysinger

Monica S. Irelan, City Manager

Chris Peddicord, Assistant Finance Director/ Acting Clerk of Council

Lisa L. Nagel, Law Director

Jason P. Maassel, Mayor

Bobby Stites, Assistant MIS Director

Dennis Clapp, Electric Superintendent

Tracy Crist

Chad Lulfs, Director of Operations

Media

Recorder

Others

ABSENT

Members

Call To Order

Chairman Sheaffer called the meeting to order at 6:30pm.

Approval Of Minutes

The July 11, 2016 meeting minutes stand approved as presented with no objections or corrections.

**Review Of Power Supply Cost
Adjustment Factor**

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

PSCAF three (3) month averaged factor: \$0.01159

JV2: \$0.004216

JV5: \$0.004216

**Motion To Accept BOPA
Recommendation For
Approval Of Power Supply
Cost Adjustment Factor**

Motion: Baer

Second: McColley

To accept the BOPA recommendation for approval of Power Supply Cost Adjustment Factor for August, 2016 as follows:

PSCAF three (3) month averaged factor: \$0.01159

JV2: \$0.004216

JV5: \$0.004216

Passed

Yea- 2

Nay- 0

Roll call vote on above motion:

Yea- McColley, Baer

Nay-

Electric Department Report

Electric Superintendent Dennis Clapp gave a department update.
(See Attached)

Shaeffer arrives at 6:43 p.m.

Dr. Cordes asked if the JV units are diesel? Irelan and Clapp both replied that they are. Dr. Cordes inquired if the City has plans to sell the JV5 unit? Irelan confirmed that is the plan. Dr. Cordes asked what the going rate for the unit would be? Irelan said she was unsure. Dr. Cordes asked if the JV2 could do a black start if a city wide outage; Irelan said there would be no problem.

Clapp advised that there would be peak shaving again for Thursday, August 11 and Friday, August 12 due to the predicted high temperatures.

McColley commended Clapp and the electric department crew for a quick response to a power outage in the country on July 29th. He also said that the automated system worked really well. Clapp replied that they were actually at a fire in town at the time and the standby personnel was also assisting at the fire and had to leave to go to the outage and then get back to the fire. Clapp stated they did have some problems in the alleys during the fire and hoped the issue could be addressed in the future. He said they have to have access to the back of the houses to be able to “kill” the power and the alleys were full of cars and “gawkers”. It makes the linemen angry and causes hazards all around.

Irelan mentioned that some of the crews and she would be in the Tomato Festival Parade on Sunday, August 14 handing out footballs and hand sanitizers with the 800 number to call for outages. She also made it known that all city employees participating in the parade were doing so on a volunteer basis and no overtime would be incurred.

Review of the Net Metering Policy

Net metering remained tabled.

Motion to Adjourn

Motion: McColley Second: Baer
To adjourn the Electric Committee meeting at 6:50 pm

**Passed
Yea-3
Nay-0**

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

Date _____

Travis Sheaffer, Chair

COACH

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	Power Supply Costs (*Net of Known) (Credit's)	Rolling 3-Month Totals Current + Prior 2 Months kWh Cost		Rolling 3 Month Average Cost	Less: Fixed Base Power Supply Cost	PSCA Dollar Difference + or (-)	PSCAF 3 MONTH AVERAGED FACTOR
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
		Actual Billed	Actual Billed	c + prior 2 Mo	d + prior 2 Mo	f / e	\$0.07194 Fixed	g + h	i X 1.075
July '14	Sept '14	14,400,701	\$ 1,168,920.36	40,946,320	\$ 3,308,716.89	\$ 0.08081	\$ (0.07194)	\$ 0.00887	\$ 0.00953
Aug '14	Oct '14	14,963,886	\$ 1,130,286.47	43,358,228	\$ 3,405,331.48	\$ 0.07854	\$ (0.07194)	\$ 0.00660	\$ 0.00709
Sept '14	Nov '14	12,933,928	\$ 873,122.55	42,298,515	\$ 3,172,329.38	\$ 0.07500	\$ (0.07194)	\$ 0.00306	\$ 0.00329
Oct '14	Dec '14	12,957,031	\$ 1,007,380.97	40,854,845	\$ 3,010,789.99	\$ 0.07369	\$ (0.07194)	\$ 0.00175	\$ 0.00189
Nov '14	Jan '15	13,630,693	\$ 1,048,435.47	39,521,652	\$ 2,928,938.99	\$ 0.07411	\$ (0.07194)	\$ 0.00217	\$ 0.00233
Dec '14	Feb '15	14,030,217	\$ 1,077,557.19	40,617,941	\$ 3,133,373.63	\$ 0.07714	\$ (0.07194)	\$ 0.00520	\$ 0.00559
Jan '15	March '15	14,814,734	\$* 1,036,847.14	42,475,644	\$ 3,162,839.80	\$ 0.07446	\$ (0.07194)	\$ 0.00252	\$ 0.00271
Feb '15	April '15	13,867,347	\$ 960,357.18	42,712,298	\$ 3,074,761.51	\$ 0.07199	\$ (0.07194)	\$ 0.00005	\$ 0.00005
March '15	May '15	13,844,262	\$ 1,003,564.83	42,526,343	\$ 3,000,769.15	\$ 0.07056	\$ (0.07194)	\$ (0.00138)	\$ (0.00148)
April '15	June '15	12,167,778	\$ 886,097.15	39,879,387	\$ 2,850,019.16	\$ 0.07147	\$ (0.07194)	\$ (0.00047)	\$ (0.00051)
May '15	July '15	11,261,298	\$ 881,002.83	37,273,338	\$ 2,770,664.81	\$ 0.07433	\$ (0.07194)	\$ 0.00239	\$ 0.00257
Jun '15	Aug '15	13,738,522	\$ 916,655.51	37,167,598	\$ 2,683,755.49	\$ 0.07221	\$ (0.07194)	\$ 0.00027	\$ 0.00029
Jul '15	Sep '15	15,053,827	\$ 979,654.01	40,053,647	\$ 2,777,312.35	\$ 0.06934	\$ (0.07194)	\$ (0.00260)	\$ (0.00280)
Aug '15	Oct '15	15,336,926	\$ 965,909.05	44,129,275	\$ 2,862,218.57	\$ 0.06486	\$ (0.07194)	\$ (0.00708)	\$ (0.00761)
Sept '15	Nov '15	14,245,268	\$ 1,020,249.35	44,636,021	\$ 2,965,812.41	\$ 0.06644	\$ (0.07194)	\$ (0.00550)	\$ (0.00591)
Oct '15	Dec '15	13,510,482	\$ 809,877.76	43,092,676	\$ 2,796,036.16	\$ 0.06488	\$ (0.07194)	\$ (0.00706)	\$ (0.00758)
Nov '15	Jan '16	13,060,476	\$ 939,293.49	40,816,226	\$ 2,769,420.60	\$ 0.06785	\$ (0.07194)	\$ (0.00409)	\$ (0.00440)
Dec '15	Feb '16	13,634,579	\$ 863,769.64	40,205,537	\$ 2,612,940.89	\$ 0.06499	\$ (0.07194)	\$ (0.00695)	\$ (0.00747)
Jan '16	Mar '16	14,813,772	\$ 1,060,489.73	41,508,827	\$ 2,863,552.86	\$ 0.06899	\$ (0.07194)	\$ (0.00295)	\$ (0.00317)
Feb '16	Apr '16	13,961,098	\$ 1,012,584.64	42,409,449	\$ 2,936,844.01	\$ 0.06925	\$ (0.07194)	\$ (0.00269)	\$ (0.00289)
Mar '16	May '16	12,975,047	\$ 1,017,837.14	41,749,917	\$ 3,090,911.51	\$ 0.07403	\$ (0.07194)	\$ 0.00209	\$ 0.00225
Apr '16	June '16	12,132,975	\$ 897,981.75	39,069,120	\$ 2,928,403.53	\$ 0.07495	\$ (0.07194)	\$ 0.00301	\$ 0.00324
May '16	July '16	11,244,178	\$ 976,900.73	36,352,200	\$ 2,892,719.62	\$ 0.07957	\$ (0.07194)	\$ 0.00763	\$ 0.00821
June '16	Aug '16	12,200,629	\$ 1,068,079.71	35,577,782	\$ 2,942,962.19	\$ 0.08272	\$ (0.07194)	\$ 0.01078	\$ 0.01159
July '16	Sep '16	13,629,297	\$* 1,080,619.47	37,074,104	\$ 3,125,599.91	\$ 0.08431	\$ (0.07194)	\$ 0.01237	\$ 0.01329

BILLING SUMMARY AND CONSUMPTION for BILLING CYCLE - SEPTEMBER, 2016

2016 - SEPTEMBER BILLING WITH AUGUST 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	JULY, 2016	31	35,903						
City-System Data Month	AUGUST, 2016	31							
City-Monthly Billing Cycle	SEPTEMBER, 201	30							
=====CONTRACTED AND OPEN MARKET POWER=====									
==PEAKING==									
=====HYDRO POWER=====									
PURCHASED POWER-RESOURCES ->	AMP CT	FREEMONT ENERGY	PRAIRIE STATE SCHED. @ PJMC	MORGAN STNLY. REPLMNT. 2015-20	NORTHERN POWER	JV-2 PEAKING	AMP-HYDRO CSW	MELDAHL-HYDR. SCHED. @	GREENUP HYDR. SCHED. @
	SCHED. @ ATSI	SCHEDULED	REPLMT @ PJMC	7x24 @ AD	POOL	SCHED. @ ATSI	SCHED. @ PJMC	MELDAHL BUS	GREENUP BUS
Delivered kWh (On Peak) ->	401,255	4,776,373	3,550,718	2,827,200	780,926	5,624	1,059,812	216,867	135,380
Delivered kWh (Off Peak) ->					241,996				
Delivered kWh (Replacement/Losses/Offset) ->									
Delivered kWh/Sale (Credits) ->					-2,210,665				
Net Total Delivered kWh as Billed ->	401,255	4,776,373	3,550,718	2,827,200	-1,187,743	5,624	1,059,812	216,867	135,380
Percent % of Total Power Purchased ->	2.7031%	32.1760%	23.9194%	19.0454%	-8.0012%	0.0379%	7.1394%	1.4609%	0.9120%
COST OF PURCHASED POWER:									
DEMAND CHARGES (+Debits)									
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
DEMAND CHARGES (-Credits)									
Transmission Charges (Demand-Credits)	-\$29,649.45					-\$542.45			
Capacity Credit	-\$62,412.87	-\$32,975.88	-\$15,041.17			-\$1,487.38	-\$2,788.85	-\$1,708.74	-\$882.95
Sub-Total Demand Charges	-\$57,226.75	\$52,435.54	\$143,300.96	\$0.00	\$0.00	-\$1,192.57	\$146,504.60	\$17,842.12	\$5,000.29
ENERGY CHARGES (+Debits):									
Energy Charges - (On Peak)	\$36,333.61	\$123,367.41	\$41,672.17	\$177,972.24	\$34,689.25	\$255.44	\$115.64	\$55.08	\$235.46
Energy Charges - (Replacement/Off Peak)					\$7,692.53				
Net Congestion, Losses, FTR		\$4,658.74	\$7,031.81	\$1,160.87			\$1,945.97	\$374.22	\$162.11
Transmission Charges (Energy-Debits)			\$30,768.95						
ESPP Charges									
Bill Adjustments (General & Rate Levelization)		\$132.21				\$431.19	\$4,138.05	-\$372.22	\$2,696.14
ENERGY CHARGES (-Credits or Adjustments):									
Energy Charges - On Peak (Sale or Rate Stabilization)					-\$58,107.22				
Net Congestion, Losses, FTR									
Bill Adjustments (General & Rate Levelization)			\$10,418.42				-\$2,119.62	-\$433.73	-\$270.76
Sub-Total Energy Charges	\$36,333.61	\$128,158.36	\$89,891.35	\$179,133.11	-\$15,725.44	\$686.63	\$4,080.04	-\$376.65	\$2,822.95
TRANSMISSION & SERVICE CHARGES, MISC.:									
RPM / PJM Charges Capacity - (+Debit)									
RPM / PJM Charges Capacity - (-Credit)									
Service Fees AMP-Dispatch Center - (+Debit/-Credit)									
Service Fees AMP-Part A - (+Debit/-Credit)									
Service Fees AMP-Part B - (+Debit/-Credit)									
Other Charges & Bill Adjustments - (+Debit/-Credit)									
Sub-Total Service Fees & Other Charges	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL - ALL COSTS OF PURCHASED POWER	-\$20,893.14	\$180,593.90	\$233,192.31	\$179,133.11	-\$15,725.44	-\$505.94	\$150,584.64	\$17,465.47	\$7,823.24
Purchased Power Resources - Cost per kWh->	-\$0.052069	\$0.037810	\$0.065675	\$0.063361	-\$0.013240	-\$0.089961	\$0.142086	\$0.080535	\$0.057787

BILLING SUMMARY AND CONS

2016 - SEPTEMBER BILLING WITH AUGUST 201

PREVIOUS MONTH'S POWER BILLS - PL

DATA PERIOD									
AMP-Ohio Bill Month									
City-System Data Month									
City-Monthly Billing Cycle									
	=====		====WIND=====	====SOLAR====	===TRANSMISSION, SERVICE FEES & MISC. CONTRACTS===				
(	NYPA	JV-5	JV-6	AMP SOLAR	EFFNCY.SMART	TRANSMISSION	SERVICE FEES	MISCELLANEOUS	TOTAL -
PURCHASED POWER-RESOURCES -> (	HYDRO	HYDRO	WIND	PHASE 1	POWER PLANT	CHARGES	DISPATCH, A & B	CHARGES &	ALL
(	SCHED. @ NYIS	7x24 @ ATSI	SCHED. @ ATSI	SCHED. @ ATSI	2014 - 2017	Other Charges	Other Charges	LEVELIZATION	RESOURCES
Delivered kWh (On Peak) ->	576,561	2,297,472	16,824	134,714	0	0	0	0	16,779,726
Delivered kWh (Off Peak) ->									241,996
Delivered kWh (Replacement/Losses/Offset) ->		33,453							33,453
Delivered kWh/Sale (Credits) ->									-2,210,665
Net Total Delivered kWh as Billed ->	576,561	2,330,925	16,824	134,714	0	0	0	0	14,844,510
Percent % of Total Power Purchased->	3.8840%	15.7023%	0.1133%	0.9075%	0.0000%	0.0000%	0.0000%	0.0000%	100.0000%
								Verification Total ->	100.0000%
COST OF PURCHASED POWER:									
DEMAND CHARGES (+Debits)									
Demand Charges	\$6,743.63	\$35,332.94	\$1,576.48			\$114,261.61			\$310,541.94
Debt Services (Principal & Interest)		\$55,381.81							\$356,908.46
DEMAND CHARGES (-Credits)									
Transmission Charges (Demand-Credits)		-\$11,644.11	-\$117.67						-\$41,953.68
Capacity Credit	-\$4,412.61	-\$14,514.20	-\$106.71						-\$136,331.36
Sub-Total Demand Charges	\$2,331.02	\$64,556.44	\$1,352.10	\$0.00	\$0.00	\$114,261.61	\$0.00	\$0.00	\$489,165.36
ENERGY CHARGES (+Debits):									
Energy Charges - (On Peak)	\$9,580.36	\$55,210.55		\$11,450.70		\$8,792.54			\$499,730.45
Energy Charges - (Replacement/Off Peak)									\$7,692.53
Net Congestion, Losses, FTR	\$361.10								\$15,694.82
Transmission Charges (Energy-Debits)									\$30,768.95
ESPP Charges					\$17,863.18				\$17,863.18
Bill Adjustments (General & Rate Levelization)					-\$5,723.53			-\$30,000.00	-\$28,698.16
ENERGY CHARGES (-Credits or Adjustments):									
Energy Charges - On Peak (Sale or Rate Stabilization)									-\$58,107.22
Net Congestion, Losses, FTR									\$0.00
Bill Adjustments (General & Rate Levelization)	\$100.80								\$7,695.11
Sub-Total Energy Charges	\$10,042.26	\$55,210.55	\$0.00	\$11,450.70	\$12,139.65	\$8,792.54	\$0.00	-\$30,000.00	\$492,639.66
TRANSMISSION & SERVICE CHARGES, MISC.:									
RPM / PJM Charges Capacity - (+Debit)						\$146,329.60			\$146,329.60
RPM / PJM Charges Capacity - (-Credit)									\$0.00
Service Fees AMP-Dispatch Center - (+Debit/-Credit)							\$790.96		\$790.96
Service Fees AMP-Part A - (+Debit/-Credit)							\$2,969.55		\$2,969.55
Service Fees AMP-Part B - (+Debit/-Credit)							\$8,654.42		\$8,654.42
Other Charges & Bill Adjustments - (+Debit/-Credit)		-\$59,930.08							-\$59,930.08
Sub-Total Service Fees & Other Charges	\$0.00	-\$59,930.08	\$0.00	\$0.00	\$0.00	\$146,329.60	\$12,414.93	\$0.00	\$98,814.45
TOTAL - ALL COSTS OF PURCHASED POWER	\$12,373.28	\$59,836.91	\$1,352.10	\$11,450.70	\$12,139.65	\$269,383.75	\$12,414.93	-\$30,000.00	\$1,080,619.47
								Verification Total ->	\$1,080,619.47
Purchased Power Resources - Cost per kWh->	\$0.021460	\$0.025671	\$0.080367	\$0.085000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.072796
									(Northern Pool Power - On-Peak + Off-Peak - Energy Charge/kWH) = JV2 Electric Service Rate ->
									(Northern Pool Power - On-Peak + Off-Peak - Energy Charge/kWH) = JV5 Electric Service Rate ->

← *



AMERICAN MUNICIPAL POWER, INC.

1111 Schrock Rd, Suite 100

COLUMBUS, OHIO 43229

PHONE: (614) 540-1111

FAX: (614) 540-1078

City of Napoleon

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

INVOICE NUMBER:	193981
INVOICE DATE:	8/16/2016
DUE DATE:	8/31/2016
TOTAL AMOUNT DUE:	\$991,779.32
CUSTOMER NUMBER:	5020
CUSTOMER P.O. #:	RG10046

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

Northern Power Pool Billing - July, 2016

MUNICIPAL PEAK:	35,903 kW
TOTAL METERED ENERGY:	14,921,419 kWh

Total Power Charges:	\$745,704.17
Total Transmission Charges:	\$269,383.75
Total Other Charges:	\$12,414.93
Total Miscellaneous Charges:	-\$35,723.53

GRAND TOTAL POWER INVOICE:

\$991,779.32

DETAIL INFORMATION OF POWER CHARGES July , 2016

Napoleon

FOR THE MONTH OF:

July, 2016

Total Metered Load kWh:	14,921,419
Transmission Losses kWh:	-76,909
Distribution Losses kWh:	0
Total Energy Req. kWh:	14,844,510

TIME OF FENTS PEAK: 07/13/2016 @ H.E. 16:00
 TIME OF MUNICIPAL PEAK: 07/06/2016 @ H.E. 15:00
 TRANSMISSION PEAK: July, 2015

COINCIDENT PEAK kW:	31,039
MUNICIPAL PEAK kW:	35,903
TRANSMISSION PEAK kW:	30,302
PJM Capacity Requirement kW:	29,713

Napoleon Resources

AMP CT - Sched @ ATSI				
Demand Charge:	\$2.809320	/ kW *	12,400 kW =	\$34,835.57
Energy Charge:	\$0.090550	/ kWh *	401,255 kWh =	\$36,333.61
Transmission Credit:	\$2.391085	/ kW *	-12,400 kW =	-\$29,649.45
Capacity Credit:	\$5.033296	/ kW *	-12,400 kW =	-\$62,412.87
Subtotal	-\$0.052070	/ kWh *	401,255 kWh =	-\$20,893.14
Fremont - sched @ Fremont				
Demand Charge:	\$4.691658	/ kW *	8,767 kW =	\$41,131.77
Energy Charge:	\$0.025829	/ kWh *	4,776,373 kWh =	\$123,367.41
Net Congestion, Losses, FTR:	\$0.000975	/ kWh *		\$4,658.74
Capacity Credit:	\$3.761364	/ kW *	-8,767 kW =	-\$32,975.88
Debt Service:	\$5.050719	/ kW	8,767 kW	\$44,279.65
Adjustment for prior month:				\$132.21
Subtotal	\$0.037810	/ kWh *	4,776,373 kWh =	\$180,593.90
AMP Hydro CSW - Sched @ PJMC				
Demand Charge:	\$5.186477	/ kW *	2,220 kW =	\$11,513.38
Energy Charge:	\$0.000109	/ kWh *	1,059,812 kWh =	\$115.64
Net Congestion, Losses, FTR:	\$0.001836	/ kWh *		\$1,945.97
Capacity Credit:	\$1.256304	/ kW *	-2,220 kW =	-\$2,788.85
Debt Service:	\$62.066321	/ kW	2,220 kW	\$137,780.07
Board Approved Rate Levelization				\$4,138.05
REC Credit (Estimate)				-\$2,119.62
Subtotal	\$0.142086	/ kWh *	1,059,812 kWh =	\$150,584.64
Meldahl Hydro - Sched @ Meldahl Bus				
Demand Charge:	\$8.198948	/ kW *	504 kW =	\$4,132.27
Energy Charge:	\$0.000254	/ kWh *	216,867 kWh =	\$55.08
Net Congestion, Losses, FTR:	\$0.001726	/ kWh *		\$374.22
Capacity Credit:	\$3.390357	/ kW *	-504 kW =	-\$1,708.74
Debt Service:	\$30.592440	/ kW	504 kW	\$15,418.59
Board Approved Rate Levelization				-\$372.22
REC Credit (Estimate)				-\$433.73
Subtotal	\$0.080536	/ kWh *	216,867 kWh =	\$17,465.47
JV6 - Sched @ ATSI				
Demand Charge:			300 kW	
Energy Charge:	\$0.392233	/ kW *	16,824 kWh =	\$117.67
Transmission Credit:	\$0.355700	/ kW *	-300 kW =	-\$106.71
Capacity Credit:			-300 kW =	
Subtotal	-\$0.013337	/ kWh *	16,824 kWh =	-\$224.38
Greenup Hydro - Sched @ Greenup Bus				
Demand Charge:	\$4.018000	/ kW *	330 kW =	\$1,325.94
Energy Charge:	\$0.001739	/ kWh *	135,380 kWh =	\$235.46
Net Congestion, Losses, FTR:	\$0.001197	/ kWh *		\$162.11
Capacity Credit:	\$2.675606	/ kW *	-330 kW =	-\$882.95
Debt Service:	\$13.810000	/ kW	330 kW	\$4,557.30
Board Approved Rate Levelization				\$2,696.14
REC Credit (Estimate)				-\$270.76
Subtotal	\$0.057787	/ kWh *	135,380 kWh =	\$7,823.24
Prairie State - Sched @ PJMC				
Demand Charge:	\$11.826988	/ kW *	4,976 kW =	\$58,851.09
Energy Charge:	\$0.011736	/ kWh *	3,550,718 kWh =	\$41,672.17
Net Congestion, Losses, FTR:	\$0.001980	/ kWh *		\$7,031.81
Capacity Credit:	\$3.022743	/ kW *	-4,976 kW =	-\$15,041.17
Debt Service:	\$19.994180	/ kW	4,976 kW	\$99,491.04
Transmission from PSEC to PJM/MISO, including non-Prairie State variable charges/credits	\$0.008666	/ kWh	3,550,718 kWh	\$30,768.95
Board Approved Rate Levelization				\$10,418.42
Subtotal	\$0.065675	/ kWh *	3,550,718 kWh =	\$233,192.31
NYPA - Sched @ NYIS				
Demand Charge:	\$7.314132	/ kW *	922 kW =	\$6,743.63
Energy Charge:	\$0.016616	/ kWh *	576,561 kWh =	\$9,580.36
Net Congestion, Losses, FTR:	\$0.000626	/ kWh *		\$361.10
Capacity Credit:	\$4.664493	/ kW *	-946 kW =	-\$4,412.61
Adjustment for prior month:				\$100.80
Subtotal	\$0.021460	/ kWh *	576,561 kWh =	\$12,373.28
JV5 - 7X24 @ ATSI				
Demand Charge:			3,088 kW	
Energy Charge:	\$3.770761	/ kW *	2,297,472 kWh =	\$11,644.11
Transmission Credit:	\$4.700194	/ kW *	-3,088 kW =	-\$14,514.20
Capacity Credit:			-3,088 kW =	
Subtotal	-\$0.011386	/ kWh *	2,297,472 kWh =	-\$26,158.31
JV5 Losses - Sched @ ATSI				
Energy Charge:			33,453 kWh	

DETAIL INFORMATION OF POWER CHARGES July , 2016

Napoleon

	Subtotal	#N/A	/ kWh *	33,453 kWh =	\$0.00
JV2 - Sched @ ATSI					
Demand Charge:				264 kW	
Energy Charge:	\$0.045420	/ kWh *		5,624 kWh =	\$255.44
Transmission Credit:	\$2.054735	/ kW *		-264 kW =	-\$542.45
Capacity Credit:	\$5.634015	/ kW *		-264 kW =	-\$1,487.38
	Subtotal	-\$0.315502	/ kWh *	5,624 kWh =	-\$1,774.39
AMP Solar Phase I - Sched @ ATSI					
Demand Charge:				1,040 kW	
Energy Charge:	\$0.085000	/ kWh *		134,714 kWh =	\$11,450.70
	Subtotal	\$0.085000	/ kWh *	134,714 kWh =	\$11,450.70
Morgan Stanley 2015-2020 - 7x24 @ AD					
Demand Charge:				3,800 kW	
Energy Charge:	\$0.062950	/ kWh *		2,827,200 kWh =	\$177,972.24
Net Congestion, Losses, FTR:	\$0.000411	/ kWh *			\$1,160.87
	Subtotal	\$0.063361	/ kWh *	2,827,200 kWh =	\$179,133.11
Efficiency Smart Power Plant 2014-2017					
ESPP 2014-2017 obligation @ \$1.400 /MWh x 153,113 MWh / 12					\$17,863.18
	Subtotal	#N/A	/ kWh *	0 kWh =	\$17,863.18
Northern Power Pool:					
On Peak Energy Charge: (M-F HE 08-23 EDT)	\$0.044421	/ kWh *		780,926 kWh =	\$34,689.25
Off Peak Energy Charge:	\$0.031788	/ kWh *		241,996 kWh =	\$7,692.53
Sale of Excess Non-Pool Resources to Pool	\$0.026285	/ kWh *		-2,210,663 kWh =	-\$58,107.22
	Subtotal	\$0.013240	/ kWh *	-1,187,742 kWh =	-\$15,725.44
Total Demand Charges:					\$281,775.26
Total Energy Charges:					\$463,928.91
Total Power Charges:					14,844,510 kWh \$745,704.17
TRANSMISSION CHARGES:					
Demand Charge:	\$3.770761	/ kW *		30,302 kW =	\$114,261.61
Energy Charge:	\$0.000701	/ kWh *		12,547,038 kWh =	\$8,792.54
RPM (Capacity) Charges:	\$4.924800	/ kW *		29,713 kW =	\$146,329.60
	TOTAL TRANSMISSION CHARGES:	\$0.021470	/ kWh *	12,547,038 kWh =	\$269,383.75
Service Fee Part A,					
Dispatch Center Charges:	\$0.000053	/ kWh *		14,921,419 kWh =	\$790.96
Service Fee Part B,					
Based on Annual Municipal Sales:	\$0.000229	/ kWh *		155,609,698 kWh 1/12 =	\$2,969.55
Service Fee Part B,					
Energy Purchases:	\$0.000580	/ kWh *		14,921,419 kWh =	\$8,654.42
	TOTAL OTHER CHARGES:				\$12,414.93
MISCELLANEOUS CHARGES:					
Deposit / (Withdraw) from RSF account					-\$30,000.00
Credit for PJM capacity revenues generated by Efficiency Smart projects					-\$5,723.53
	TOTAL MISCELLANEOUS CHARGES:				-\$35,723.53
GRAND TOTAL POWER INVOICE:					\$991,779.32

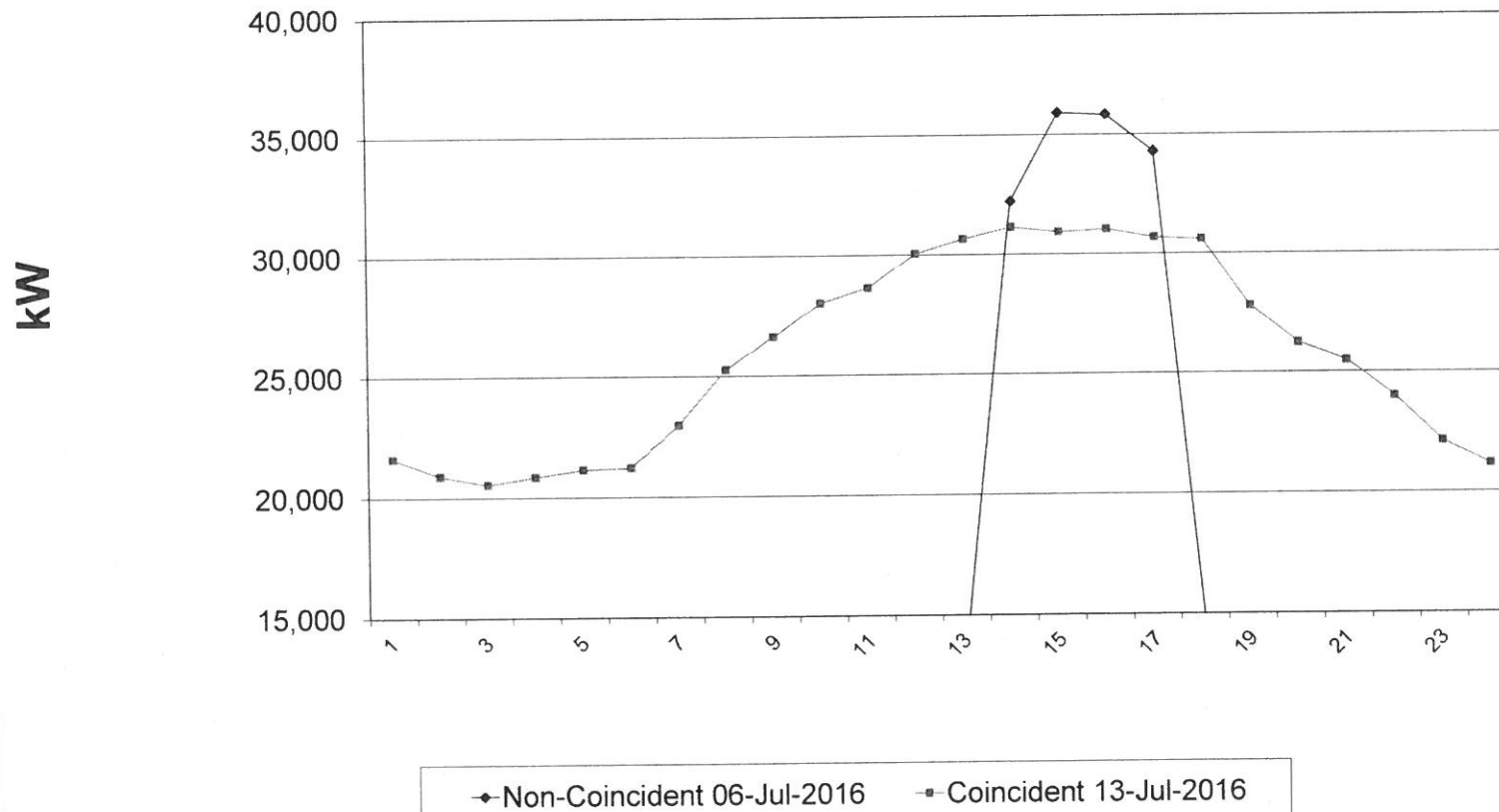
Napoleon		Capacity Plan - Actual										
Jul	2016	ACTUAL DEMAND =		35.903	MW							
Days	31	ACTUAL ENERGY =		14,921	MWH							
		SOURCE	DEMAND	ENERGY	LOAD	DEMAND	ENERGY	DEMAND	ENERGY	TOTAL	EFFECTIVE	%
		(1)	MW	MWH	FACTOR	RATE	RATE	CHARGE	CHARGE	CHARGES	RATE	OF
			(2)	(4)	(5)	\$/KW	\$/MWH	(9)	(10)	(11)	\$/MWH	DOLLARS
						(6)	(7)				(12)	(13)
1		NPP Pool Purchases	0.00	1,023	0%	\$0.00	\$41.43	\$0	\$42,382	\$42,382	\$41.43	3.6%
2		NPP Pool Sales	0.00	-2,211	0%	\$0.00	\$26.28	\$0	-\$58,107	-\$58,107	\$26.28	-5.0%
3		AFEC	8.77	4,776	73%	\$6.00	\$26.80	\$52,568	\$128,026	\$180,594	\$37.81	15.5%
4		Prairie State	4.98	3,551	96%	\$30.89	\$22.38	\$153,719	\$79,473	\$233,192	\$65.67	20.0%
5		NYPA - Ohio	0.92	577	84%	\$2.64	\$17.24	\$2,432	\$9,941	\$12,373	\$21.46	1.1%
6		JV5	3.09	2,297	100%	\$20.91	\$24.03	\$64,556	\$55,211	\$119,767	\$52.13	10.3%
7		JV5 Losses	0.00	33	0%	\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%
8		AMP-Hydro	2.22	1,060	64%	\$66.91	\$1.95	\$148,523	\$2,062	\$150,585	\$142.09	12.9%
9		Meldahl	0.50	217	58%	\$33.80	\$1.98	\$17,036	\$429	\$17,465	\$80.54	1.5%
10		Greenup	0.33	135	55%	\$22.50	\$2.94	\$7,426	\$398	\$7,823	\$57.79	0.7%
11		JV6	0.30	17	8%	\$4.51	\$0.00	\$1,352	\$0	\$1,352	\$80.37	0.1%
12		AMP Solar Phase I	1.04	135	17%	\$0.00	\$85.00	\$0	\$11,451	\$11,451	\$85.00	1.0%
13		Morgan Stanley 2015-2020 7x24	3.80	2,827	100%	\$0.00	\$63.36	\$0	\$179,133	\$179,133	\$63.36	15.3%
14		AMPCT	12.40	401	4%	-\$4.62	\$90.55	-\$57,227	\$36,334	-\$20,893	-\$52.07	-1.8%
15		JV2	0.26	6	3%	-\$2.88	\$45.42	-\$761	\$255	-\$506	-\$89.96	0.0%
POWER TOTAL			38.61	14,845	52%			\$389,624	\$486,987	\$876,611	\$59.05	75.1%
16		Energy Efficiency		0		\$0.00	\$0.00	-\$5,724	\$17,863	\$12,140	\$0.00	1.0%
17		Installed Capacity	29.71			\$4.92		\$146,330	\$0	\$146,330	\$9.81	12.5%
18		TRANSMISSION	30.30	12,547		\$3.77	\$0.70	\$114,262	\$8,793	\$123,054	\$8.25	10.5%
19		Distribution Charge	35.90			\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%
20		Service Fee B		14,921			\$0.58		\$8,654	\$8,654	\$0.58	0.7%
21		Dispatch Charge		14,921			\$0.05		\$791	\$791	\$0.05	0.1%
OTHER TOTAL								\$254,868	\$36,101	\$290,969	\$19.50	24.9%
GRAND TOTAL PURCHASED				14,845				\$644,492	\$523,088	\$1,167,580		
Delivered to members			35.903	14,921	56%			\$644,492	\$523,088	\$1,167,580	\$78.25	100.0%
			DEMAND	ENERGY	L.F.					TOTAL \$	\$/MWh	Avg Temp
2016 Forecast			31.47	15,695	67%					\$1,243,043	\$79.20	73.5
2015 Actual			31.62	15,117	64%					\$1,045,634	\$69.17	73.0
2014 Actual			29.03	14,480	67%					\$986,259	\$68.11	68.9
										Actual Temp		74.7

NAPOLEON

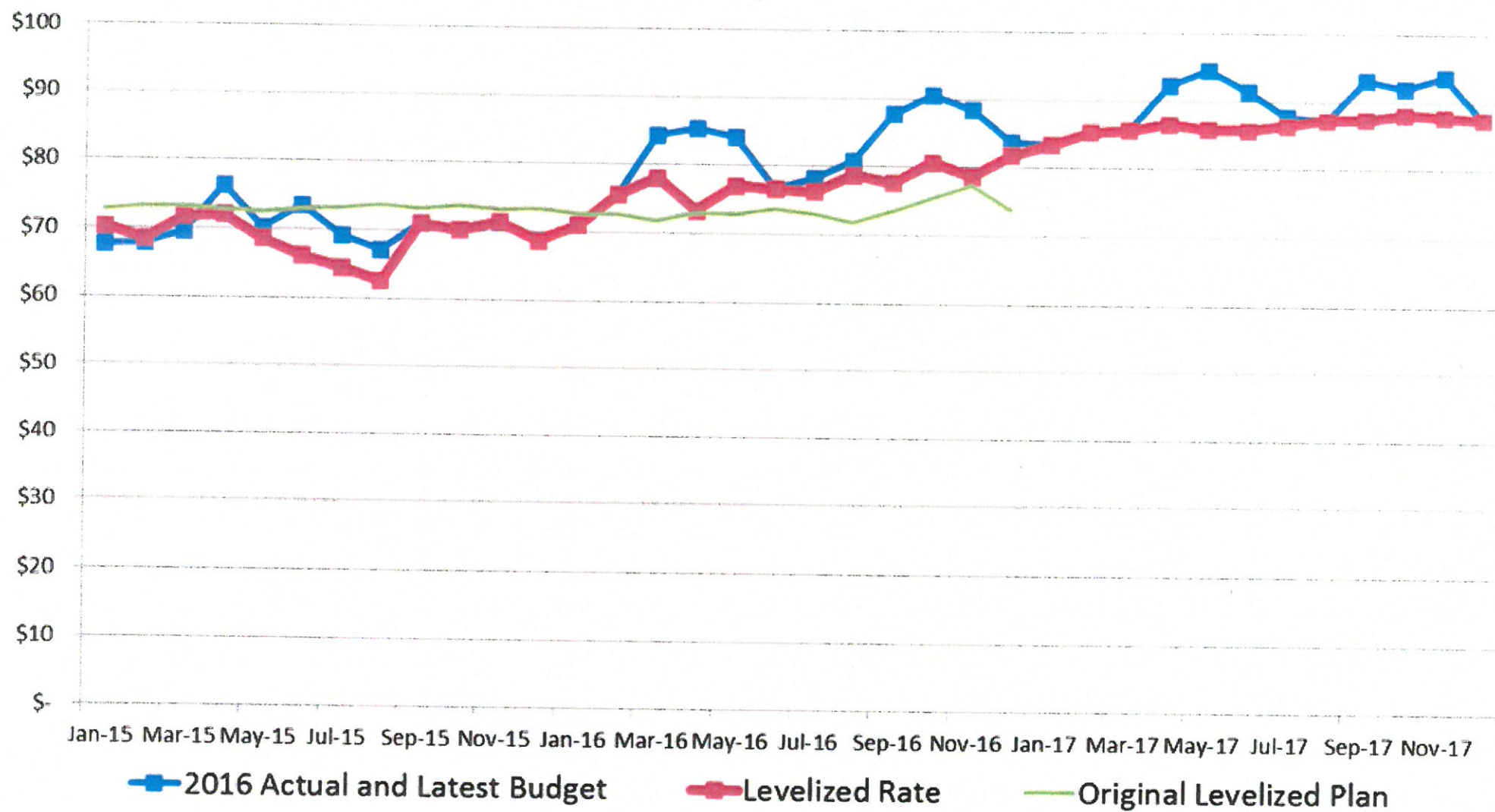
Date	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday
Hour	7/1/2016	7/2/2016	7/3/2016	7/4/2016	7/5/2016	7/6/2016	7/7/2016	7/8/2016	7/9/2016	7/10/2016	7/11/2016	7/12/2016	7/13/2016	7/14/2016	7/15/2016
100	8,025	6,526	5,964	5,458	6,777	8,884	9,243	21,039	17,871	14,556	18,140	20,485	21,610	20,198	20,305
200	7,813	6,249	5,731	5,296	6,575	8,619	8,963	20,207	17,044	13,953	17,572	19,654	20,887	19,482	19,652
300	7,801	6,014	5,627	5,286	6,489	8,224	8,697	19,398	16,250	13,530	17,122	19,037	20,536	18,958	19,025
400	7,892	5,994	5,554	5,288	6,488	8,222	8,640	19,238	15,783	13,255	17,216	18,813	20,849	18,928	18,784
500	8,188	6,099	5,579	5,467	7,112	8,427	8,980	19,713	15,922	13,181	17,818	19,390	21,150	19,666	18,961
600	8,278	6,088	5,484	5,262	7,705	8,832	9,225	20,080	15,382	12,797	18,432	19,690	21,212	20,157	19,192
700	8,858	6,366	5,945	5,453	9,027	9,947	10,123	21,329	15,957	13,576	20,348	21,269	22,973	21,639	21,019
800	9,753	7,002	6,497	6,066	10,259	10,884	11,688	22,806	17,400	14,704	21,997	23,276	25,273	23,438	22,647
900	10,370	7,322	6,967	6,290	10,744	11,423	13,945	24,048	18,407	15,799	23,251	25,101	26,622	24,155	23,635
1000	10,528	7,686	7,270	6,698	11,814	12,122	26,618	24,932	19,039	16,888	24,986	26,808	28,007	24,307	24,332
1100	10,694	7,950	7,716	7,200	12,376	12,696	27,602	25,869	19,519	17,910	26,273	28,110	28,648	24,608	24,819
1200	10,909	8,233	7,902	7,294	12,919	12,898	28,644	26,976	19,655	18,950	27,552	29,527	30,044	25,477	25,306
1300	10,670	8,053	7,985	7,582	13,281	13,812	29,451	28,018	19,497	19,664	28,074	30,837	30,651	26,567	25,966
1400	10,441	8,196	8,050	7,647	13,356	32,203	29,901	28,028	19,319	20,223	28,679	30,729	31,138	27,261	26,358
1500	10,385	8,142	7,897	7,707	13,551	35,903	30,001	27,974	19,627	21,303	29,007	30,386	30,926	27,336	25,809
1600	10,448	8,221	8,027	7,993	13,621	35,820	29,721	28,269	19,604	22,035	29,427	30,937	31,039	27,849	25,521
1700	9,990	8,265	7,884	7,880	13,284	34,271	29,098	28,268	19,476	22,237	29,171	30,616	30,689	27,413	25,094
1800	9,816	8,090	7,395	7,563	12,798	14,806	29,200	27,926	19,276	22,356	28,809	30,501	30,604	27,457	24,220
1900	9,108	7,650	7,026	7,570	12,352	12,838	28,359	27,055	18,812	22,262	27,960	29,656	27,794	26,776	23,491
2000	8,655	7,181	6,671	7,514	11,884	12,373	27,256	26,033	18,383	21,466	27,421	28,724	26,246	26,013	22,530
2100	8,555	7,149	6,669	7,566	11,539	11,994	27,051	25,032	18,045	21,592	26,860	27,990	25,502	25,484	22,006
2200	8,284	6,989	6,517	7,324	10,925	11,366	25,715	23,496	17,385	20,958	25,476	26,178	23,993	23,837	20,708
2300	7,485	6,604	6,169	7,496	10,083	10,504	24,233	21,055	16,021	20,057	23,442	24,265	22,122	22,263	18,351
2400	6,876	6,254	5,742	7,140	9,344	9,790	22,324	19,080	15,205	19,084	21,795	22,906	21,159	21,164	16,760
Total	219,822	172,323	162,268	162,040	244,959	356,858	504,678	575,869	428,879	432,336	576,828	614,885	619,674	570,433	534,491

Date	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Hour	7/16/2016	7/17/2016	7/18/2016	7/19/2016	7/20/2016	7/21/2016	7/22/2016	7/23/2016	7/24/2016	7/25/2016	7/26/2016	7/27/2016	7/28/2016	7/29/2016	7/30/2016	7/31/2016
100	15,729	14,122	19,660	18,959	20,115	20,915	19,976	20,595	19,668	21,711	20,458	20,472	21,083	20,008	17,623	16,192
200	15,272	13,890	19,622	18,314	19,498	20,226	19,262	19,721	18,772	21,421	19,405	19,772	20,298	19,645	16,812	15,586
300	14,766	13,506	19,296	17,482	18,669	19,415	18,811	18,816	18,002	21,043	18,677	18,911	19,397	19,040	16,365	15,261
400	14,587	13,127	18,990	17,474	18,740	19,420	19,165	18,326	17,617	20,853	18,728	18,963	19,437	19,085	16,199	14,991
500	14,566	12,948	19,789	18,287	19,525	20,100	20,134	18,207	17,596	21,426	19,624	19,403	20,156	19,724	16,266	15,133
600	14,615	12,672	20,482	18,573	19,880	20,658	21,104	17,979	17,504	21,963	20,002	19,717	20,667	20,124	16,508	15,247
700	15,573	13,291	22,166	20,400	21,144	22,310	22,605	18,808	17,886	23,140	20,976	21,544	21,927	21,385	16,845	15,613
800	16,521	15,006	23,178	22,334	22,648	24,135	24,006	21,090	19,103	24,599	22,846	23,184	23,150	23,167	18,102	16,469
900	17,203	16,219	23,955	23,392	23,670	26,006	25,713	22,632	19,762	25,622	24,206	24,450	24,336	24,513	19,187	17,897
1000	17,713	17,151	25,002	24,721	25,113	27,890	27,374	24,075	20,321	26,464	25,561	25,523	25,781	25,852	20,560	18,948
1100	17,959	18,030	25,722	25,849	26,536	28,964	28,111	24,776	21,068	27,077	26,443	26,775	27,032	27,006	21,247	19,845
1200	18,385	18,862	27,113	26,751	27,872	29,883	29,826	25,365	20,890	27,953	27,501	27,921	27,788	28,171	22,305	20,652
1300	18,905	19,445	27,891	27,658	29,134	31,097	30,055	26,084	20,446	28,688	28,267	29,103	28,054	28,752	22,420	20,911
1400	19,055	20,182	27,871	28,441	29,611	30,483	30,252	26,577	20,687	29,295	28,457	29,052	28,147	29,123	21,817	21,525
1500	19,136	20,770	28,427	28,780	29,786	30,087	29,710	27,037	21,584	29,570	28,678	29,434	28,496	28,363	21,804	21,793
1600	19,116	21,343	28,322	29,047	30,414	29,216	30,289	26,993	23,181	29,716	28,929	29,585	28,677	28,909	20,975	22,432
1700	18,921	21,754	28,382	28,547	29,973	26,851	29,779	27,058	24,194	29,240	28,478	29,488	28,498	25,660	21,464	22,883
1800	18,781	21,805	27,697	28,619	29,660	26,276	29,875	26,935	24,665	29,558	28,750	29,677	28,339	24,704	21,723	23,024
1900	18,571	21,883	26,668	27,824	28,857	25,083	29,296	26,002	24,622	28,522	27,523	28,933	27,541	23,661	21,256	22,877
2000	18,439	21,589	25,535	26,883	28,077	24,508	28,175	25,205	24,289	27,374	26,624	27,893	26,696	23,259	20,558	22,175
2100	18,450	22,041	24,815	26,636	27,437	24,091	27,596	25,204	24,683	26,756	26,218	27,317	26,595	23,063	20,530	22,385
2200	17,577	21,663	23,447	25,023	25,722	22,821	25,841	23,897	23,750	25,380	24,711	25,698	24,954	21,507	19,604	21,608
2300	16,160	20,891	21,586	22,925	23,756	21,775	23,813	22,163	23,098	23,457	22,978	23,814	22,871	19,848	18,265	20,427
2400	14,911	20,585	20,166	21,527	21,942	20,735	22,006	20,735	22,281	21,858	21,805	22,231	21,233	18,561	17,044	19,344
Total	410,911	412,190	575,782	574,446	597,779	592,945	612,774	554,280	505,669	612,686	585,845	598,860	591,153	561,130	465,479	463,218
											Maximum	35,903	Minimum	5,262	Grand Total	14,921,419

Napoleon Peak Day Load Curve



Napoleon Monthly Rate Levelization



CITY OF NAPOLEON RATE LEVELIZATION FUND
LOAN SCHEDULE

Estimated Annual Interest Rate:

0.00%

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

(1) Month means month of power delivery.

(2) Negative means payment from Municipality to AMP

September 2017 payment is estimated. Actual payment will include final loan true-up payment needed to fully repay Municipality.



DATE: October 17, 2014

TO:

David Taylor, Amherst
Dan Preising, Beach City
Brian O'Connell, Bowling Green
John Linkey, Bradner
Ron Pauley, Brewster
Ivan Henderson, Cleveland
Lance Willard, Columbiana
Jerald Clink, Custer
Mike Dougherty, Cuyahoga Falls
Kevin Brooks, Edgerton
Bob Villella, Ellwood City
Buck Stoiber, Elmore
Mayor O'Leary, Galion
Kevin Gladden, Genoa
Alyson Moritz, Grafton
Vance Oakes, Grove City

Colby Carroll, Haskins
Gary Baker, Holiday City
Ed Palestro, Hubbard
Frank Comeriato, Hudson
Andy White, Huron
Harold Kasten-Krause, Lodi
Tim Stallard, Lucas
Brian Rospert, Milan
Mike Adelman, Monroeville
Pam Lucas, Montpelier
Monica Irelan, Napoleon
Jon Bisher, Napoleon
Sharonn Edmiston, New
Wilmington
Tracy Reimbold, Newton Falls
Jim Newbrough, Niles

Randy Genzman, Oak Harbor
Steve Dupee, Oberlin
Jeff McHugh, Painesville
John Lockard, Pemberville
Al Fiser, Pioneer
Ken Blue, Prospect
Kevin Bittaker, Seville
Toni Keller, South Vienna
Tim Murphy, Toledo
Robert Patrick, Wadsworth
Karolee Loughhead, Wampum
Steven Pyles, Wellington
Keith Kruse, Woodville
Don Pepe, Zelenople

FROM: Chris Norton/AMP
Director of Market Regulatory Affairs

RE: FERC Order ATSI Voltage Differentiated Transmission Rates

On September 8, 2014, FERC issued an order on a complaint filed by Buckeye Power, Inc. (Buckeye) against American Transmission Systems, Inc. (ATSI)¹ concerning ATSI's voltage-differentiated transmission rates. In the order FERC found in favor of Buckeye and directed ATSI to eliminate the voltage-differentiated rates and move to a single transmission rate. FERC directed ATSI to recalculate and update its transmission rate effective January 1, 2015.

Based on a 1998 settlement², ATSI divided its transmission rate into two rates, one for load interconnected at 138 kV and greater and one for load interconnected below 138 kV. That rate structure has been in place for the last 15 years. Under the voltage-differentiated rates all load paid for the costs of ATSI's 138 kV transmission facilities, while the costs of ATSI's 69 kV facilities were only allocated to load interconnected at or below 69 kV.

The currently effective ATSI zone PJM Tariff rates for the period from June 1, 2014 through May 31, 2015 are:

¹ ATSI is a transmission owning subsidiary of FirstEnergy. ATSI owns and operates the transmission facilities in Northern Ohio and Western Pennsylvania.

² The 1998 settlement was between FE and AMP in response to the merger that created FirstEnergy and was based, in part, upon both cost of service as well as providing economics to AMP members who would invest in upgrading to 138 kV delivery.

Interconnection 138 kV or greater	\$14,894.53 MW-year (\$1.24 kW-month)
Interconnection below 138 kV	\$27,144.90 MW-year (\$2.26 kW-month)

In the complaint, filed on July 18, 2011, Buckeye argued that ATSI's voltage-differentiated transmission rates were unjust and unreasonable. At AMP's Board's direction, AMP intervened to support the previously agreed to policy of separating the 138 kV rate from 69 kV rate as a number of AMP members made significant investments in 138 kV facilities based upon the differentiated rates. FERC set the complaint for hearing on October 20, 2011. The judge assigned to hear the complaint issued an Initial Decision on January 11, 2013, recommending that FERC find in favor of Buckeye and direct ATSI to modify its transmission rates to use a single rate for all transmission facilities instead of the current voltage-differentiated rate structure. In its September 8 Order, FERC followed the judge's recommendation.

Based on the annual revenue requirement and load data used to calculate the June 1, 2014 through May 31, 2015 rates, the new rate that will take effect January 1, 2015, and will continue through May 31, 2015, will be:

\$19,145.44 MW-year (\$1.60 kW-month)

Members will see the rate change on their January 2015 invoices that they receive in February 2015.

A member with a network billing demand of 10 MW and interconnected at 138 kV or greater would see their transmission charges increase by about \$3,542.43 per month over the last five months of this rate year³ (January through May 2015). A member with a network billing demand of 10 MW and interconnected at or below 69 kV would see their transmission charges decrease by \$6,666.22 per month over the last five months of this rate year.

The following members currently pay the 138 kV and greater transmission rate.⁴

Beach City	Hudson	Seville
Cleveland Public Power	Napoleon	Wadsworth
Cuyahoga Falls	Niles	Woodville
Hubbard	Painesville	Zelienople

The following members currently pay the **below** 138 kV transmission rate.

Amherst	Genoa	Montpelier
Bowling Green	Grafton	New Wilmington
Bradner	Grove City	Newton Falls

³ The current rate year is from June 1, 2014 through May 31, 2015. The rate will then update on June 1, 2015 based on ATSI's revenue requirement and 1 Coincident Peak load data from the 2015 calendar year.

⁴ Due to the configuration of their interconnections, although they are interconnected at voltages below 138 kV, Beach City, Hubbard, and Woodville are treated as 138 kV or greater customers in terms of transmission billing.

Brewster
Columbiana
Custar
Edgerton
Ellwood City
Elmore
Galion

Haskins
Holiday City
Huron
Lodi
Lucas
Milan
Monroeville

Oak Harbor
Oberlin
Pemberville
Pioneer
Prospect
South Vienna
Wampum

On October 7, 2014, AMP and Cleveland Public Power ("CPP") filed an application for rehearing of the September 8 Order. AMP/CPP made two arguments that FERC's conclusion was incorrect and should be reversed. First, AMP/CPP argue that FERC erred in finding that the evidence does not show that specific customers paid for their own equipment or provided any other justification for providing a high voltage discount because AMP provided unchallenged evidence demonstrating otherwise. Additionally, AMP/CPP argued that FERC erred in ruling that an exception to full rolled-in rates that allows a more discrete allocation of costs to customers who paid for the equipment that enables them to receive high-voltage rates does not apply here.

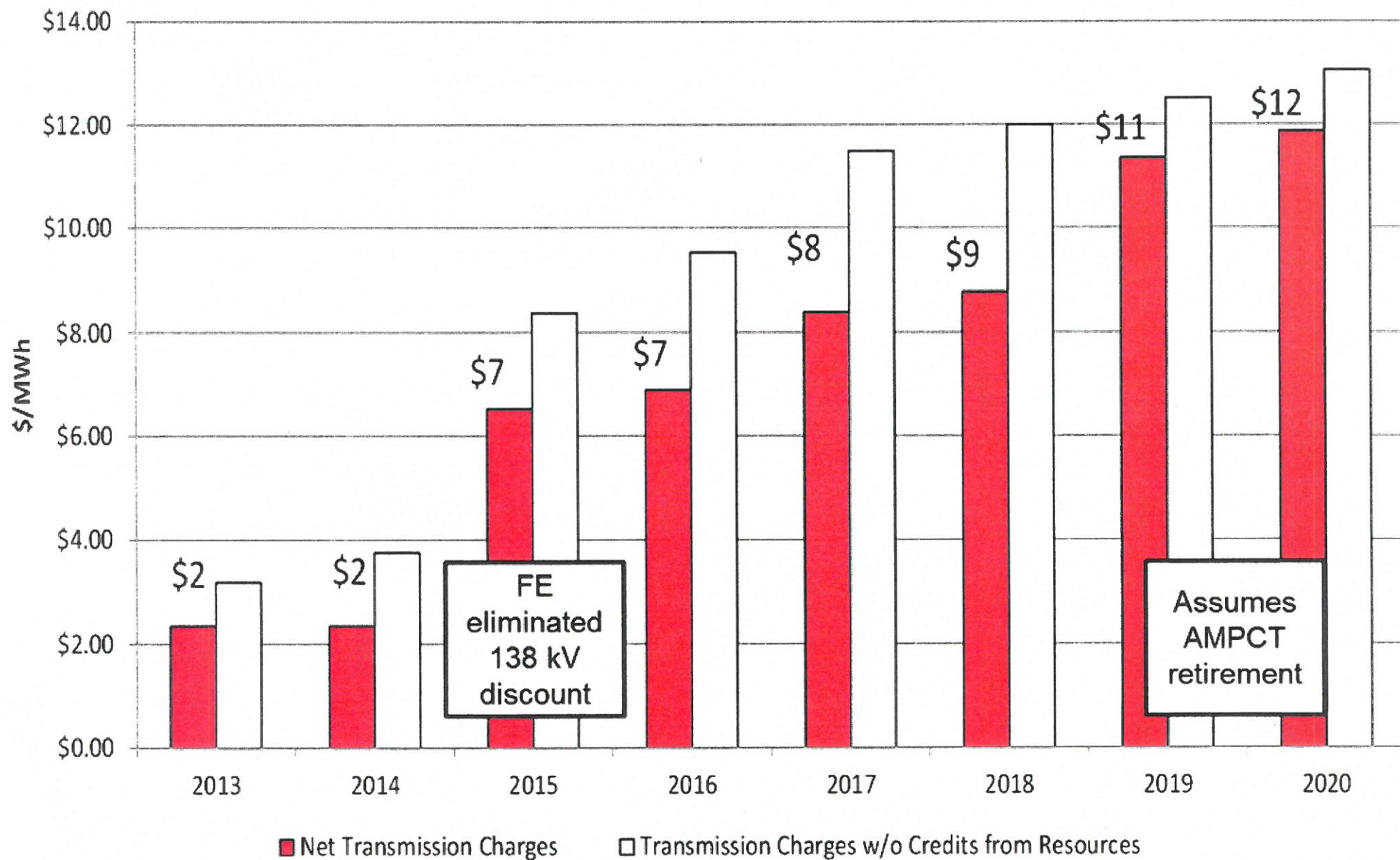
Unless FERC acts upon a request for rehearing within 30 days after the request is filed, the request is denied. However, FERC often issues tolling orders granting rehearing solely for the purpose of affording itself additional time to consider the request for rehearing. If FERC issues a tolling order, there is not time within which FERC must act. However, a request for rehearing is not a stay, meaning that FERC's September 8 Order will take effect during the pendency of FERC's consideration of the request for rehearing.

We will provide an update once a final FERC order on rehearing is issued. In the meantime, if you would like additional information on this matter please feel free to contact me. I can be reached by phone at (614) 540 – 6417 or email at cnorton@ampppartners.org.

cc: Andrew Blair
Garrett Cole
John Courtney
Don Gruenemeyer
James Havrilla
Craig Kleinhenz
Lisa McAlister
Mike Migliore
Jay Myers
Harry Phillips
Tom Sillasen
Pam Sullivan
Alice Wolfe

4845-6821-1998, v. 4

Transmission Charge Impact to Overall Rates: Napoleon



**Omega Joint Venture Two**

1111 Schrock Rd, Suite 100

COLUMBUS, OHIO 43229

PHONE: (614) 540-1111

FAX: (614) 540-1078

City of NapoleonGregory J. Heath, Finance Director
255 W. Riverview Ave., P.O. Box 151
Napoleon, Ohio 43545-0151**INVOICE NUMBER:** 193799**INVOICE DATE:** 8/9/2016**DUE DATE:** 8/19/2016**TOTAL AMOUNT DUE:** \$1,268.45**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 -****July, 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		=	\$431.19

TOTAL CHARGES**\$1,268.45**



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: 193879
INVOICE DATE: 8/5/2016
DUE DATE: 8/15/2016
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: July, 2016

DEMAND CHARGES:

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

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

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

JV5 Repl. Pwr. & Variable (Budgeted Rate):	\$0.024031	/ kWh *	2,297,472 kWh =	\$55,210.55
JV5 Fuel Cost (Actual Expense):	\$0.000000	/ kWh *	2,297,472 kWh =	\$0.00

TOTAL ENERGY CHARGES:	\$0.024031	/ kWh *	2,297,472 kWh =	\$55,210.55
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SUB-TOTAL				\$90,543.49
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Total OMEGA JV5 Invoice:				\$90,543.49
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OHIO MUNICIPAL ELECTRIC
GENERATING ASSOCIATION
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: 193921
INVOICE DATE: 8/5/2016
DUE DATE: 8/15/2016
TOTAL AMOUNT DUE: \$55,381.81
CUSTOMER NUMBER: 5020
CUSTOMER P.O. NUMBER: BL980397
MAKE CHECKS PAYABLE TO: OMEGA JV5

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

Debt Service - OMEGA JV5

FOR THE MONTH/YEAR OF: August, 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



DATE: JULY 10TH, 2016
TO: JV5 PARTICIPANTS
FROM: JERRY WILLMAN
SUBJECT: PAYMENT FOR SALES OF 2015 HYDRO RECS

Please find enclosed a check for your share of sales of renewable energy certificates (RECs) from the Belleville hydroelectric facility (OMEGA JV5). Sales reflected in this payment were made to Duke Energy for JV5 hydro RECs generated in Q3 and Q4 2015.

Note that the contracted REC sale to Duke (68,039 RECS) was \$11.50/REC. This disbursement balances out any remaining funds from the Duke sale. The current REC market is much lower and is currently trading in the range from \$2 - \$3/REC.

Please don't hesitate to contact me if you have any questions:

jwillman@amppartners.org or 614/540-6419

Thank you.

AMERICAN MUNICIPAL POWER, INC.

CASH DISBURSEMENT ACCOUNT
1111 SCHROCK ROAD, SUITE 100
COLUMBUS, OHIO 43229-1155
(614) 540-1111

HUNTINGTON NATIONAL BANK
COLUMBUS, OHIO
25-2/440

NUMBER

45904

DATE 27-Jul-2016

PAY

Fifty-Nine Thousand Nine Hundred Thirty Dollars And Eight
Cents*****

\$59,930.08

TO THE
ORDER
OF

CITY OF NAPOLEON
ATTN: GREGORY J. HEATH
255 WEST RIVERVIEW AVE.
NAPOLEON, OH 43545
United States

THIS CHECK EXPIRES AND IS VOID 45 DAYS FROM ISSUE DATE

Bob Mervin
John Heith

TWO SIGNATURES REQUIRED OVER \$5,000

⑈045904⑈

RUB OR BREATHE ON THE PINK LOCK & KEY IC

IF COLOR DOES NOT FADE DO NOT ACCEPT

45904

INVOICE # INVOICE DATE

SYSTEM DATE

VENDOR #

PAYMENT

2015 Q3-4
JV5 DUKE
ENERGY
RECS

10-Jul-2016

27-Jul-2016

298

59,930.08

CHECK TOTAL:

59,930.08

*Contra - Entry**To Purchased Power:**500-6111-53100 Purchased Power***45904**

**AMERICAN MUNICIPAL POWER, INC.**

1111 Schrock Rd, Suite 100

COLUMBUS, OHIO 43229

PHONE: (614) 540-1111

FAX: (614) 540-1078

INVOICE NUMBER: 193939

INVOICE DATE: 8/1/2016

DUE DATE: 8/15/2016

TOTAL AMOUNT DUE: \$1,576.48

CUSTOMER NUMBER: 5020

CUSTOMER P.O. #:

City of Napoleon

Gregory J. Heath, Finance Director

255 W. Riverview Ave., P.O. Box 151

Napoleon, OH 43545-0151

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

Omega JV6

Project Capacity: 300 kW

Year 2016Electric Fixed

300 kW * 5.25 per kW-Month

Total

August, 2016 -

Electric Fixed

\$1,576.48

AMOUNT DUE FOR :

TOTAL CHARGES**\$1,576.48**

BILLING SUMMARY AND CONSUMPTION for BILLING CYCLE - SEPTEMBER, 2016

SEPTEMBER, 2016

2016 - SEPTEMBER BILLING WITH AUGUST 2016 DATA BILLING UNITS

Class and/or Schedule	Rate Code	Aug-16			Billed kVa of Demand	Cost / kWh		# of Bills	Sep-15			Cost / kWh		# of Bills	Oct-15			Cost / kWh	
		# of Bills	(kWh Usage) Billed	Billed		Prior 12 Mo Average			(kWh Usage) Billed	Billed		Prior 12 Mo Average			(kWh Usage) Billed	Billed		Prior 12 Mo Average	
Residential (Dom-In)	E1	3,327	2,832,020	\$332,693.75	0	\$0.1175	\$0.1067	3,357	3,009,830	\$309,195.73	\$0.1027	3,342	2,616,403	\$258,762.94	\$0.0989				
Residential (Dom-In) w/Ecosmart	E1E	9	7,000	\$827.07	0	\$0.1182	\$0.1090	10	8,544	\$880.66	\$0.1031	10	6,667	\$668.28	\$0.1002				
Residential (Dom-In - All Electric)	E2	610	458,361	\$54,279.87	0	\$0.1184	\$0.1047	608	475,200	\$49,287.93	\$0.1037	611	420,610	\$42,035.32	\$0.0999				
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	1	796	\$93.91	0	\$0.1180	\$0.1064	1	1,019	\$103.88	\$0.1019	1	889	\$87.10	\$0.0980				
Total Residential (Domestic)		3,947	3,298,177	\$387,894.60	0	\$0.1176	\$0.1063	3,976	3,494,593	\$359,468.20	\$0.1029	3,964	3,044,569	\$301,553.64	\$0.0990				
Residential (Rural-Out)	ER1	760	863,493	\$107,008.31	0	\$0.1239	\$0.1123	752	856,818	\$93,834.18	\$0.1095	751	785,000	\$82,819.91	\$0.1055				
Residential (Rural-Out) w/Ecosmart	ER1E	4	3,000	\$385.56	0	\$0.1285	\$0.1167	4	3,050	\$347.44	\$0.1139	4	2,854	\$313.96	\$0.1100				
Residential (Rural-Out - All Electric)	ER2	383	443,608	\$54,903.94	0	\$0.1238	\$0.1106	389	459,500	\$50,180.31	\$0.1092	388	429,237	\$45,060.90	\$0.1050				
Res. (Rural-Out - All Electric) w/Ecosmart	ER2E	2	1,669	\$212.18	0	\$0.1271	\$0.1123	2	1,369	\$157.93	\$0.1154	2	1,268	\$141.65	\$0.1117				
Residential (Rural-Out w/Dmd)	ER3	16	16,942	\$2,109.31	181	\$0.1245	\$0.1056	15	9,622	\$1,118.35	\$0.1162	15	20,298	\$2,093.89	\$0.1032				
Residential (Rural-Out - All Electric w/Dmd)	ER4	9	8,540	\$1,073.07	84	\$0.1257	\$0.1088	9	9,346	\$1,031.20	\$0.1103	9	8,917	\$945.17	\$0.1060				
Total Residential (Rural)		1,174	1,337,252	\$165,692.37	265	\$0.1239	\$0.1115	1,171	1,339,705	\$146,669.41	\$0.1095	1,169	1,247,574	\$131,375.48	\$0.1053				
Commercial (1 Ph-In - No Dmd)	EC2	75	48,276	\$7,085.12	15	\$0.1468	\$0.1340	75	45,629	\$6,090.42	\$0.1335	77	46,878	\$6,031.02	\$0.1287				
Commercial (1 Ph-Out - No Dmd)	EC2O	46	7,669	\$1,536.40	0	\$0.2003	\$0.1824	42	7,671	\$1,378.18	\$0.1797	42	7,182	\$1,288.03	\$0.1793				
Total Commercial (1 Ph) No Dmd		121	55,945	\$8,621.52	15	\$0.1541	\$0.1408	117	53,300	\$7,468.60	\$0.1401	119	54,060	\$7,319.05	\$0.1354				
Commercial (1 Ph-In - w/Demand)	EC1	258	352,786	\$50,743.54	1929	\$0.1438	\$0.1299	257	380,148	\$48,330.68	\$0.1271	257	393,299	\$48,938.68	\$0.1244				
Commercial (1 Ph-Out - w/Demand)	EC1O	25	30,982	\$4,512.62	176	\$0.1457	\$0.1290	24	34,571	\$4,404.97	\$0.1274	24	31,736	\$3,922.40	\$0.1236				
Total Commercial (1 Ph) w/Demand		283	383,768	\$55,256.16	2,105	\$0.1440	\$0.1299	281	414,719	\$52,735.65	\$0.1272	281	425,035	\$52,861.08	\$0.1244				
Commercial (3 Ph-Out - No Dmd)	EC4O	2	80	\$46.26	8	\$0.5783	\$0.1360	2	80	\$45.11	\$0.5639	2	40	\$40.37	\$1.0093				
Total Commercial (3 Ph) No Dmd		2	80	\$46.26	8	\$0.5783	\$0.1360	2	80	\$45.11	\$0.5639	2	40	\$40.37	\$1.0093				
Commercial (3 Ph-In - w/Demand)	EC3	203	1,595,241	\$203,673.47	5613	\$0.1277	\$0.1144	209	1,788,777	\$199,840.42	\$0.1117	207	1,964,197	\$210,975.13	\$0.1074				
Commercial (3 Ph-Out - w/Demand)	EC3O	39	317,778	\$41,164.85	1366	\$0.1295	\$0.1140	39	369,943	\$42,978.63	\$0.1162	39	490,615	\$51,407.18	\$0.1048				
Commercial (3 Ph-In - w/Dmd.&Sub-St.Cr)	EC3S	0	0	\$0.00	0	\$0.0000	\$0.1006	2	204,960	\$20,921.37	\$0.1021	2	186,840	\$18,491.86	\$0.0990				
Commercial (3 Ph-Out - w/Dmd.&Sub-St.Cr)	EC3SO	3	139,680	\$16,763.38	505	\$0.1200	\$0.1073	3	106,600	\$11,944.61	\$0.1121	3	225,600	\$21,815.93	\$0.0967				
Commercial (3 Ph-In - w/Demand, No Tax)	EC3T	1	3,120	\$442.73	21	\$0.1419	\$0.1174	1	3,280	\$414.79	\$0.1265	1	4,720	\$498.23	\$0.1056				
Total Commercial (3 Ph) w/Demand		246	2,055,819	\$262,044.43	7,505	\$0.1275	\$0.1135	254	2,473,560	\$276,099.82	\$0.1116	252	2,871,972	\$303,188.33	\$0.1056				
Large Power (In - w/Dmd & Rct)	EL1	21	2,731,809	\$284,732.35	6450	\$0.1042	\$0.0902	21	2,809,626	\$244,150.03	\$0.0869	21	2,879,666	\$240,200.95	\$0.0834				
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	3	921,926	\$91,984.54	2051	\$0.0998	\$0.0826	1	840,500	\$64,298.04	\$0.0765	1	919,537	\$66,154.60	\$0.0719				
Large Power (Out - w/Dmd & Rct, w/SbCr)	EL2O	1	398,400	\$40,709.41	906	\$0.1022	\$0.0919	1	321,600	\$28,453.60	\$0.0885	1	296,400	\$27,432.02	\$0.0926				
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	75,019	\$15,989.77	639	\$0.2131	\$0.1215	2	79,802	\$9,925.82	\$0.1244	2	78,359	\$12,388.66	\$0.1581				
Total Large Power		27	4,127,154	\$433,416.07	10,046	\$0.1050	\$0.0891	25	4,051,528	\$346,827.49	\$0.0856	25	4,173,962	\$346,176.23	\$0.0829				
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	1	1,050,981	\$94,370.91	1899	\$0.0898	\$0.0777	1	1,197,585	\$90,044.76	\$0.0752	1	1,179,109	\$83,199.02	\$0.0706				
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	1	989,846	\$88,326.21	1734	\$0.0892	\$0.0765	1	1,268,977	\$93,848.76	\$0.0740	1	1,186,209	\$83,569.80	\$0.0705				
Total Industrial		2	2,040,827	\$182,697.12	3,633	\$0.0895	\$0.0771	2	2,466,562	\$183,893.52	\$0.0746	2	2,365,318	\$166,768.82	\$0.0705				
Interdepartmental (In - No Dmd)	ED1	7	39,363	\$4,882.68	164	\$0.1240	\$0.1059	8	53,261	\$5,694.67	\$0.1069	8	45,505	\$4,669.28	\$0.1026				
Interdepartmental (Out - No Dmd)	ED1O	0	0	\$0.00	0	\$0.0000	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000				
Interdepartmental (Out - w/Dmd)	ED2O	2	861	\$134.56	0	\$0.1563	\$0.1628	2	1,033	\$141.76	\$0.1372	2	961	\$128.94	\$0.1342				
Interdepartmental (In - w/Dmd)	ED2	31	24,898	\$3,566.86	0	\$0.1433	\$0.1224	27	25,195	\$3,193.85	\$0.1268	27	22,259	\$2,753.37	\$0.1237				
Interdepartmental (3Ph-In - w/Dmd)	ED3	11	174,247	\$21,123.86	683	\$0.1212	\$0.1051	11	201,469	\$21,275.17	\$0.1056	11	207,274	\$20,069.48	\$0.0968				
Interdepartmental (Street Lights)	EDSL	7	62,879	\$5,849.08	0	\$0.0930	\$0.0930	7	62,879	\$5,850.15	\$0.0930	7	62,879	\$5,848.05	\$0.0930				
Interdepartmental (Traffic Signals)	EDTS	9	1,649	\$152.46	0	\$0.0925	\$0.0925	15	1,657	\$153.18	\$0.0924	14	1,707	\$157.86	\$0.0925				
Generators (JV2 Power Cost Only)	GJV2	1	14,549	\$61.40	71	\$0.0042	\$0.0000	1	14,697	\$625.95	\$0.0426	1	15,735	\$630.97	\$0.0401				
Generators (JV5 Power Cost Only)	GJV5	1	11,829	\$49.92	18	\$0.0042	\$0.0000	1	11,234	\$478.46	\$0.0426	1	12,197	\$489.10	\$0.0401				
Total Interdepartmental		69	330,275	\$35,820.82	936	\$0.1085	\$0.0989	72	371,425	\$37,413.19	\$0.1007	71	368,517	\$34,747.05	\$0.0943				
SUB-TOTAL CONSUMPTION & DEMAND		5,871	13,629,297	\$1,531,489.35	24,513	\$0.1124	\$0.0985	5,900	14,665,472	\$1,410,620.99	\$0.0962	5,885	14,551,047	\$1,344,030.05	\$0.0924				
Street Lights (In)	SLO	16	0	\$13.73	0	\$0.0000	\$0.2336	15	0	\$13.59	\$0.0000	15	0	\$13.59	\$0.0000				
Street Lights (Out)	SLOO	2	0	\$0.77	0	\$0.0000	\$0.0000	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000				
Total Street Light Only		18	0	\$14.50	0	\$0.0000	\$0.2400	17	0	\$14.36	\$0.0000	17	0	\$14.36	\$0.0000				
TOTAL CONSUMPTION & DEMAND		5,889	13,629,297	\$1,531,503.85	24,513	\$0.1124	\$0.0985	5,917	14,665,472	\$1,410,635.35	\$0.0962	5,902	14,551,047	\$1,344,044.41	\$0.0924				

BILLING SUMMARY AND COMPARISON

SEPTEMBER, 2016

2016 - SEPTEMBER BILLING WITH AUGUST 2016

Class and/or Schedule	Rate Code	Nov-15 # of Bills	Nov-15 (kWh Usage)	Nov-15 Billed	Cost / kWh For Month	Dec-15 # of Bills	Dec-15 (kWh Usage)	Dec-15 Billed	Cost / kWh For Month	Jan-16 # of Bills	Jan-16 (kWh Usage)	Jan-16 Billed	Cost / kWh For Month	Feb-16 # of Bills	Feb-16 (kWh Usage)	Feb-16 Billed	Cost / kWh For Month
Residential (Dom-In)	E1	3,344	1,988,662	\$204,893.24	\$0.1030	3,356	1,798,371	\$184,274.36	\$0.1025	3,336	1,861,416	\$195,822.68	\$0.1052	3,343	2,336,473	\$233,564.23	\$0.1000
Residential (Dom-In) w/Ecosmart	E1E	10	4,698	\$496.63	\$0.1057	10	4,126	\$436.57	\$0.1058	10	4,037	\$441.29	\$0.1093	9	4,542	\$469.07	\$0.1033
Residential (Dom-In - All Electric)	E2	611	341,222	\$35,380.27	\$0.1037	608	377,629	\$38,115.47	\$0.1009	603	469,722	\$47,982.01	\$0.1021	605	655,616	\$63,527.74	\$0.0969
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	1	781	\$78.58	\$0.1006	1	616	\$62.21	\$0.1010	1	481	\$51.43	\$0.1069	1	545	\$55.80	\$0.1024
Total Residential (Domestic)		3,966	2,335,363	\$240,848.72	\$0.1031	3,975	2,180,742	\$222,888.61	\$0.1022	3,950	2,335,656	\$244,297.41	\$0.1046	3,958	2,997,176	\$297,616.84	\$0.0993
Residential (Rural-Out)	ER1	754	599,673	\$66,098.28	\$0.1102	758	639,997	\$69,004.14	\$0.1078	756	692,545	\$76,216.42	\$0.1101	757	907,174	\$94,694.90	\$0.1044
Residential (Rural-Out) w/Ecosmart	ER1E	4	2,178	\$252.82	\$0.1161	4	2,380	\$268.56	\$0.1128	4	2,902	\$327.89	\$0.1130	4	3,834	\$408.52	\$0.1066
Residential (Rural-Out - All Electric)	ER2	386	347,574	\$37,798.14	\$0.1087	387	392,331	\$41,522.79	\$0.1058	383	425,593	\$46,020.44	\$0.1081	383	551,963	\$56,838.04	\$0.1030
Res. (Rural-Out - All Electric) w/Ecosmar	ER2E	2	1,369	\$153.67	\$0.1122	2	1,653	\$178.64	\$0.1081	2	2,005	\$218.79	\$0.1091	2	2,918	\$300.36	\$0.1029
Residential (Rural-Out w/Dmd)	ER3	15	18,711	\$1,972.49	\$0.1054	15	54,195	\$5,333.52	\$0.0984	16	98,686	\$9,894.24	\$0.1003	16	25,972	\$2,651.52	\$0.1021
Residential (Rural-Out - All Electric w/Dm	ER4	9	9,782	\$1,044.46	\$0.1068	9	28,708	\$2,837.96	\$0.0989	9	13,792	\$1,455.82	\$0.1056	9	10,004	\$1,051.19	\$0.1051
Total Residential (Rural)		1,170	979,287	\$107,319.86	\$0.1096	1,175	1,119,264	\$119,145.61	\$0.1064	1,170	1,235,523	\$134,133.60	\$0.1086	1,171	1,501,865	\$155,944.53	\$0.1038
Commercial (1 Ph-In - No Dmd)	EC2	74	44,720	\$5,835.07	\$0.1305	74	46,142	\$5,915.34	\$0.1282	74	43,794	\$5,800.34	\$0.1324	74	52,205	\$6,581.79	\$0.1261
Commercial (1 Ph-Out - No Dmd)	EC2O	43	6,331	\$1,218.01	\$0.1924	43	10,729	\$1,686.33	\$0.1572	43	8,154	\$1,432.14	\$0.1756	43	8,018	\$1,392.38	\$0.1737
Total Commercial (1 Ph) No Dmd		117	51,051	\$7,053.08	\$0.1382	117	56,871	\$7,601.67	\$0.1337	117	51,948	\$7,232.48	\$0.1392	117	60,223	\$7,974.17	\$0.1324
Commercial (1 Ph-In - w/Demand)	EC1	255	350,282	\$44,482.88	\$0.1270	255	279,725	\$37,007.69	\$0.1323	255	275,088	\$36,491.09	\$0.1327	256	306,848	\$38,364.05	\$0.1250
Commercial (1 Ph-Out - w/Demand)	EC1O	24	29,420	\$3,757.18	\$0.1277	24	25,782	\$3,300.75	\$0.1280	24	30,192	\$3,885.43	\$0.1287	24	36,267	\$4,391.42	\$0.1211
Total Commercial (1 Ph) w/Demand		279	379,702	\$48,240.06	\$0.1270	279	305,507	\$40,308.44	\$0.1319	279	305,280	\$40,376.52	\$0.1323	280	343,115	\$42,755.47	\$0.1246
Commercial (3 Ph-Out - No Dmd)	EC4O	2	80	\$44.86	\$0.5608	2	40	\$40.37	\$1.0093	2	15,040	\$1,719.24	\$0.1143	2	400	\$79.67	\$0.1992
Total Commercial (3 Ph) No Dmd		2	80	\$44.86	\$0.5608	2	40	\$40.37	\$1.0093	2	15,040	\$1,719.24	\$0.1143	2	400	\$79.67	\$0.1992
Commercial (3 Ph-In - w/Demand)	EC3	208	1,707,544	\$189,181.38	\$0.1108	206	1,511,932	\$165,693.78	\$0.1096	205	1,414,090	\$158,505.09	\$0.1121	205	1,396,306	\$152,228.19	\$0.1090
Commercial (3 Ph-Out - w/Demand)	EC3O	39	396,941	\$44,312.51	\$0.1116	39	556,051	\$58,181.67	\$0.1046	39	438,660	\$48,468.19	\$0.1105	39	355,628	\$38,994.81	\$0.1097
Commercial (3 Ph-In - w/Dmd.&Sub-St.C	EC3S	2	203,880	\$20,524.88	\$0.1007	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000
Commercial (3 Ph-Out - w/Dmd.&Sub-St.	E3SO	3	89,680	\$10,157.73	\$0.1133	3	135,280	\$13,741.63	\$0.1016	3	137,480	\$14,239.58	\$0.1036	3	137,920	\$14,016.49	\$0.1016
Commercial (3 Ph-In - w/Demand, No Tax	EC3T	1	4,280	\$461.32	\$0.1078	1	2,400	\$284.95	\$0.1187	1	1,840	\$211.56	\$0.1150	1	1,920	\$212.10	\$0.1105
Total Commercial (3 Ph) w/Demand		253	2,402,325	\$264,637.82	\$0.1102	249	2,205,663	\$237,902.03	\$0.1079	248	1,992,070	\$221,424.42	\$0.1112	248	1,891,774	\$205,451.59	\$0.1086
Large Power (In - w/Dmd & Rct)	EL1	21	2,689,846	\$229,516.76	\$0.0853	21	2,693,896	\$220,257.42	\$0.0818	21	2,403,640	\$211,797.66	\$0.0881	21	2,310,925	\$199,175.25	\$0.0862
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	1	878,844	\$65,588.24	\$0.0746	3	1,099,839	\$82,880.55	\$0.0754	3	994,472	\$79,375.27	\$0.0798	3	1,009,639	\$77,760.04	\$0.0770
Large Power (Out - w/Dmd & Rct, w/SbCr)	EL2O	1	307,200	\$27,818.14	\$0.0906	1	332,400	\$28,057.68	\$0.0844	1	295,200	\$26,076.76	\$0.0883	1	246,000	\$21,470.29	\$0.0873
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	78,297	\$6,047.70	\$0.0772	2	79,597	\$5,934.15	\$0.0746	2	70,607	\$7,256.69	\$0.1028	2	85,654	\$6,264.07	\$0.0731
Total Large Power		25	3,954,187	\$328,970.84	\$0.0832	27	4,205,732	\$337,129.80	\$0.0802	27	3,763,919	\$324,506.38	\$0.0862	27	3,652,218	\$304,669.65	\$0.0834
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	1	1,127,275	\$81,054.43	\$0.0719	1	1,206,433	\$83,318.08	\$0.0691	1	1,156,158	\$87,758.35	\$0.0759	1	957,122	\$74,102.43	\$0.0774
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	1	1,158,099	\$83,221.66	\$0.0719	1	1,128,579	\$79,886.73	\$0.0708	1	1,023,505	\$77,586.44	\$0.0758	1	896,274	\$67,913.52	\$0.0758
Total Industrial		2	2,285,374	\$164,276.09	\$0.0719	2	2,335,012	\$163,204.81	\$0.0699	2	2,179,663	\$165,344.79	\$0.0759	2	1,853,396	\$142,015.95	\$0.0766
Interdepartmental (In - No Dmd)	ED1	8	32,267	\$3,472.77	\$0.1076	8	34,464	\$3,802.92	\$0.1103	8	63,180	\$6,320.99	\$0.1000	8	79,167	\$7,560.57	\$0.0955
Interdepartmental (Out - No Dmd)	ED1O	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000
Interdepartmental (Out - w/Dmd)	ED2O	2	743	\$106.42	\$0.1432	2	327	\$59.81	\$0.1829	2	238	\$50.86	\$0.2137	2	240	\$50.36	\$0.2098
Interdepartmental (In - w/Dmd)	ED2	27	25,670	\$3,168.51	\$0.1234	29	36,570	\$4,336.96	\$0.1186	27	49,447	\$5,868.15	\$0.1187	27	77,462	\$8,762.54	\$0.1131
Interdepartmental (3Ph-In - w/Dmd)	ED3	11	161,092	\$16,726.53	\$0.1038	11	214,542	\$21,414.53	\$0.0998	11	205,612	\$21,129.50	\$0.1028	11	257,347	\$25,478.65	\$0.0990
Interdepartmental (Street Lights)	EDSL	7	62,879	\$5,849.08	\$0.0930	7	62,879	\$5,862.30	\$0.0932	7	62,879	\$5,850.15	\$0.0930	7	62,879	\$5,849.08	\$0.0930
Interdepartmental (Traffic Signals)	EDTS	14	1,820	\$168.31	\$0.0925	15	1,974	\$182.51	\$0.0925	15	1,837	\$169.84	\$0.0925	15	2,189	\$202.38	\$0.0925
Generators (JV2 Power Cost Only)	GJV2	1	17,347	\$621.37	\$0.0358	1	17,671	\$662.84	\$0.0375	1	19,199	\$676.19	\$0.0352	1	23,269	\$819.53	\$0.0352
Generators (JV5 Power Cost Only)	GJV5	1	11,408	\$408.63	\$0.0358	1	12,297	\$461.26	\$0.0375	1	13,204	\$465.04	\$0.0352	1	15,064	\$530.55	\$0.0352
Total Interdepartmental		71	313,226	\$30,521.62	\$0.0974	74	380,724	\$36,783.13	\$0.0966	72	415,596	\$40,530.72	\$0.0975	72	517,617	\$49,253.66	\$0.0952
SUB-TOTAL CONSUMPTION & DEMAND		5,885	12,700,595	\$1,191,912.95	\$0.0938	5,900	12,789,555	\$1,165,004.47	\$0.0911	5,867	12,294,695	\$1,179,565.56	\$0.0959	5,877	12,817,784	\$1,205,761.53	\$0.0941
Street Lights (In)	SLO	14	0	\$13.43	\$0.0000	15	0	\$13.59	\$0.0000	15	0	\$13.59	\$0.0000	15	0	\$13.59	\$0.0000
Street Lights (Out)	SLOO	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000
Total Street Light Only		16	0	\$14.20	\$0.0000	17	0	\$14.36	\$0.0000	17	0	\$14.36	\$0.0000	17	0	\$14.36	\$0.0000
TOTAL CONSUMPTION & DEMAND		5,901	12,700,595	\$1,191,927.15	\$0.0938	5,917	12,789,555	\$1,165,018.83	\$0.0911	5,884	12,294,695	\$1,179,579.92	\$0.0959	5,894	12,817,784	\$1,205,775.89	\$0.0941

BILLING SUMMARY AND COST

SEPTEMBER, 2016

2016 - SEPTEMBER BILLING WITH AUGUST 2016

Class and/or Schedule	Rate Code	Mar-16				Apr-16				May-16				Jun-16			
		# of Bills	(kWh Usage) Billed	Cost / kWh For Month	# of Bills	(kWh Usage) Billed	Cost / kWh For Month	# of Bills	(kWh Usage) Billed	Cost / kWh For Month	# of Bills	(kWh Usage) Billed	Cost / kWh For Month	# of Bills	(kWh Usage) Billed	Cost / kWh For Month	# of Bills
Residential (Dom-In)	E1	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	3,339	1,674,098	\$190,965.01	\$0.1141
Residential (Dom-In) w/Ecosmart	E1E	9	4,327	\$468.00	\$0.1082	9	3,918	\$429.97	\$0.1097	9	3,507	\$408.58	\$0.1165	9	3,414	\$402.55	\$0.1179
Residential (Dom-In - All Electric)	E2	608	756,980	\$76,046.71	\$0.1005	608	638,315	\$64,884.51	\$0.1016	610	457,976	\$49,954.20	\$0.1091	611	379,613	\$42,421.37	\$0.1117
Res. (Dom-In - All Elec.) w/Ecosmart	E2E	1	597	\$63.13	\$0.1057	1	596	\$63.19	\$0.1060	1	511	\$57.67	\$0.1129	1	534	\$60.52	\$0.1133
Total Residential (Domestic)		3,963	3,109,591	\$321,068.94	\$0.1033	3,963	2,758,446	\$288,456.85	\$0.1046	3,948	2,207,472	\$246,864.59	\$0.1118	3,960	2,057,659	\$233,849.45	\$0.1136
Residential (Rural-Out)	ER1	759	875,454	\$95,412.70	\$0.1090	756	779,953	\$86,047.23	\$0.1103	752	663,486	\$77,716.74	\$0.1171	755	586,997	\$70,250.79	\$0.1197
Residential (Rural-Out) w/Ecosmart	ER1E	4	3,230	\$364.37	\$0.1128	4	2,546	\$296.42	\$0.1164	4	2,328	\$286.46	\$0.1230	4	1,833	\$235.87	\$0.1287
Residential (Rural-Out - All Electric)	ER2	384	587,960	\$62,814.15	\$0.1068	384	507,976	\$54,947.15	\$0.1082	383	427,039	\$49,004.46	\$0.1148	384	355,880	\$41,847.24	\$0.1176
Res. (Rural-Out - All Electric) w/Ecosmart	ER2E	2	2,960	\$317.12	\$0.1071	2	2,616	\$283.32	\$0.1083	2	1,902	\$221.22	\$0.1163	2	1,701	\$201.66	\$0.1186
Residential (Rural-Out w/Dmd)	ER3	16	30,157	\$3,181.29	\$0.1055	16	27,753	\$2,948.93	\$0.1063	16	21,910	\$2,475.80	\$0.1130	16	27,150	\$3,054.38	\$0.1125
Residential (Rural-Out - All Electric w/Dmd)	ER4	9	11,290	\$1,222.89	\$0.1083	9	9,995	\$1,096.12	\$0.1097	9	7,908	\$926.67	\$0.1172	9	7,392	\$879.39	\$0.1190
Total Residential (Rural)		1,174	1,511,051	\$163,312.52	\$0.1081	1,171	1,330,839	\$145,619.17	\$0.1094	1,166	1,124,573	\$130,631.35	\$0.1162	1,170	980,953	\$116,469.33	\$0.1187
Commercial (1 Ph-In - No Dmd)	EC2	75	53,648	\$6,982.89	\$0.1302	75	52,551	\$6,871.47	\$0.1308	75	45,379	\$6,290.63	\$0.1386	75	42,140	\$5,948.45	\$0.1412
Commercial (1 Ph-Out - No Dmd)	EC2O	43	8,383	\$1,468.25	\$0.1751	43	8,714	\$1,508.23	\$0.1731	43	6,659	\$1,308.66	\$0.1965	43	6,225	\$1,262.95	\$0.2029
Total Commercial (1 Ph) No Dmd		118	62,031	\$8,451.14	\$0.1362	118	61,265	\$8,379.70	\$0.1368	118	52,038	\$7,599.29	\$0.1460	118	48,365	\$7,211.40	\$0.1491
Commercial (1 Ph-In - w/Demand)	EC1	255	337,026	\$42,741.72	\$0.1268	255	300,781	\$39,283.01	\$0.1306	256	353,349	\$46,128.85	\$0.1305	257	339,056	\$39,544.56	\$0.1166
Commercial (1 Ph-Out - w/Demand)	EC1O	24	41,186	\$4,956.90	\$0.1204	24	36,470	\$4,539.18	\$0.1245	24	33,089	\$4,386.25	\$0.1326	24	29,990	\$4,043.76	\$0.1348
Total Commercial (1 Ph) w/Demand		279	378,212	\$47,698.62	\$0.1261	279	337,251	\$43,822.19	\$0.1299	280	386,438	\$50,515.10	\$0.1307	281	369,046	\$43,588.32	\$0.1181
Commercial (3 Ph-Out - No Dmd)	EC4O	2	1,000	\$149.48	\$0.1495	2	880	\$136.11	\$0.1547	2	400	\$83.56	\$0.2089	2	160	\$55.18	\$0.3449
Total Commercial (3 Ph) No Dmd		2	1,000	\$149.48	\$0.1495	2	880	\$136.11	\$0.1547	2	400	\$83.56	\$0.2089	2	160	\$55.18	\$0.3449
Commercial (3 Ph-In - w/Demand)	EC3	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	202	1,281,048	\$154,525.82	\$0.1206
Commercial (3 Ph-Out - w/Demand)	EC3O	39	379,416	\$42,543.57	\$0.1121	39	336,543	\$38,541.02	\$0.1145	39	333,423	\$39,624.69	\$0.1188	39	286,219	\$35,062.05	\$0.1225
Commercial (3 Ph-In - w/Dmd.&Sub-St.C)	EC3S	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000
Commercial (3 Ph-Out - w/Dmd.&Sub-St.C)	E3SO	3	149,800	\$15,798.47	\$0.1055	3	131,080	\$13,890.07	\$0.1060	3	134,040	\$14,680.26	\$0.1095	3	127,640	\$14,187.89	\$0.1112
Commercial (3 Ph-In - w/Demand, No Tax)	EC3T	1	2,160	\$242.85	\$0.1124	1	2,120	\$240.01	\$0.1132	1	2,000	\$238.27	\$0.1191	1	2,040	\$245.05	\$0.1201
Total Commercial (3 Ph) w/Demand		247	2,023,611	\$224,319.99	\$0.1109	244	1,800,043	\$203,341.24	\$0.1130	247	1,806,911	\$212,673.14	\$0.1177	245	1,696,947	\$204,020.81	\$0.1202
Large Power (In - w/Dmd & Rct)	EL1	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	21	2,477,658	\$236,532.65	\$0.0955
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	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	3	919,793	\$83,363.79	\$0.0906
Large Power (Out - w/Dmd & Rct, w/SbCr)	EL2O	1	322,800	\$28,467.29	\$0.0882	1	338,400	\$30,419.43	\$0.0899	1	370,800	\$33,718.56	\$0.0909	1	366,000	\$34,899.72	\$0.0954
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	85,512	\$6,619.24	\$0.0774	2	72,927	\$6,016.76	\$0.0825	2	93,761	\$14,517.81	\$0.1548	2	58,685	\$7,385.30	\$0.1258
Total Large Power		27	4,011,755	\$340,673.92	\$0.0849	27	3,603,907	\$320,100.85	\$0.0888	27	3,831,537	\$358,925.54	\$0.0937	27	3,822,136	\$362,181.46	\$0.0948
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	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	1	990,474	\$82,403.94	\$0.0832
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	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	1	942,832	\$77,160.17	\$0.0818
Total Industrial		2	2,316,794	\$170,980.64	\$0.0738	2	2,088,337	\$158,524.35	\$0.0759	2	2,021,177	\$165,219.60	\$0.0817	2	1,933,306	\$159,564.11	\$0.0825
Interdepartmental (In - No Dmd)	ED1	8	65,565	\$6,459.45	\$0.0985	8	51,501	\$5,211.49	\$0.1012	8	42,349	\$4,637.84	\$0.1095	7	30,257	\$3,583.85	\$0.1184
Interdepartmental (Out - No Dmd)	ED1O	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000
Interdepartmental (Out - w/Dmd)	ED2O	2	192	\$45.93	\$0.2392	2	235	\$50.88	\$0.2165	2	368	\$67.89	\$0.1845	2	369	\$68.39	\$0.1853
Interdepartmental (In - w/Dmd)	ED2	26	70,540	\$8,300.04	\$0.1177	26	50,904	\$6,096.14	\$0.1198	26	41,532	\$5,247.09	\$0.1263	26	25,395	\$3,357.54	\$0.1322
Interdepartmental (3Ph-In - w/Dmd)	ED3	11	306,526	\$30,656.81	\$0.1000	11	251,871	\$26,080.07	\$0.1035	11	235,903	\$25,894.91	\$0.1098	11	187,202	\$20,851.55	\$0.1114
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
Interdepartmental (Traffic Signals)	EDTS	11	1,916	\$177.17	\$0.0925	9	1,771	\$163.74	\$0.0925	9	1,663	\$153.77	\$0.0925	9	1,557	\$143.97	\$0.0925
Generators (JV2 Power Cost Only)	GJV2	1	21,905	\$781.57	\$0.0357	1	18,065	\$265.01	\$0.0147	1	19,031	\$533.06	\$0.0280	1	17,254	\$308.85	\$0.0179
Generators (JV5 Power Cost Only)	GJV5	1	16,067	\$573.27	\$0.0357	1	13,192	\$193.53	\$0.0147	1	13,635	\$381.92	\$0.0280	1	10,693	\$191.40	\$0.0179
Total Interdepartmental		67	545,590	\$52,843.32	\$0.0969	65	450,418	\$42,993.93	\$0.0955	65	417,360	\$42,765.56	\$0.1025	64	335,606	\$34,354.63	\$0.1024
SUB-TOTAL CONSUMPTION & DEMAND		5,879	13,959,635	\$1,329,498.57	\$0.0952	5,871	12,431,386	\$1,211,374.39	\$0.0974	5,855	11,847,906	\$1,215,277.73	\$0.1026	5,869	11,244,178	\$1,161,294.69	\$0.1033
Street Lights (In)	SLO	16	1,463	\$191.76	\$0.1311	16	0	\$13.74	\$0.0000	16	0	\$13.74	\$0.0000	16	0	\$13.74	\$0.0000
Street Lights (Out)	SLOO	2	0	\$0.77	\$0.0000	2	0	\$0.76	\$0.0000	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000
Total Street Light Only		18	1,463	\$192.53	\$0.1316	18	0	\$14.50	\$0.0000	18	0	\$14.51	\$0.0000	18	0	\$14.51	\$0.0000
TOTAL CONSUMPTION & DEMAND		5,897	13,961,098	\$1,329,691.10	\$0.0952	5,889	12,431,386	\$1,211,388.89	\$0.0974	5,873	11,847,906	\$1,215,292.24	\$0.1026	5,887	11,244,178	\$1,161,309.20	\$0.1033

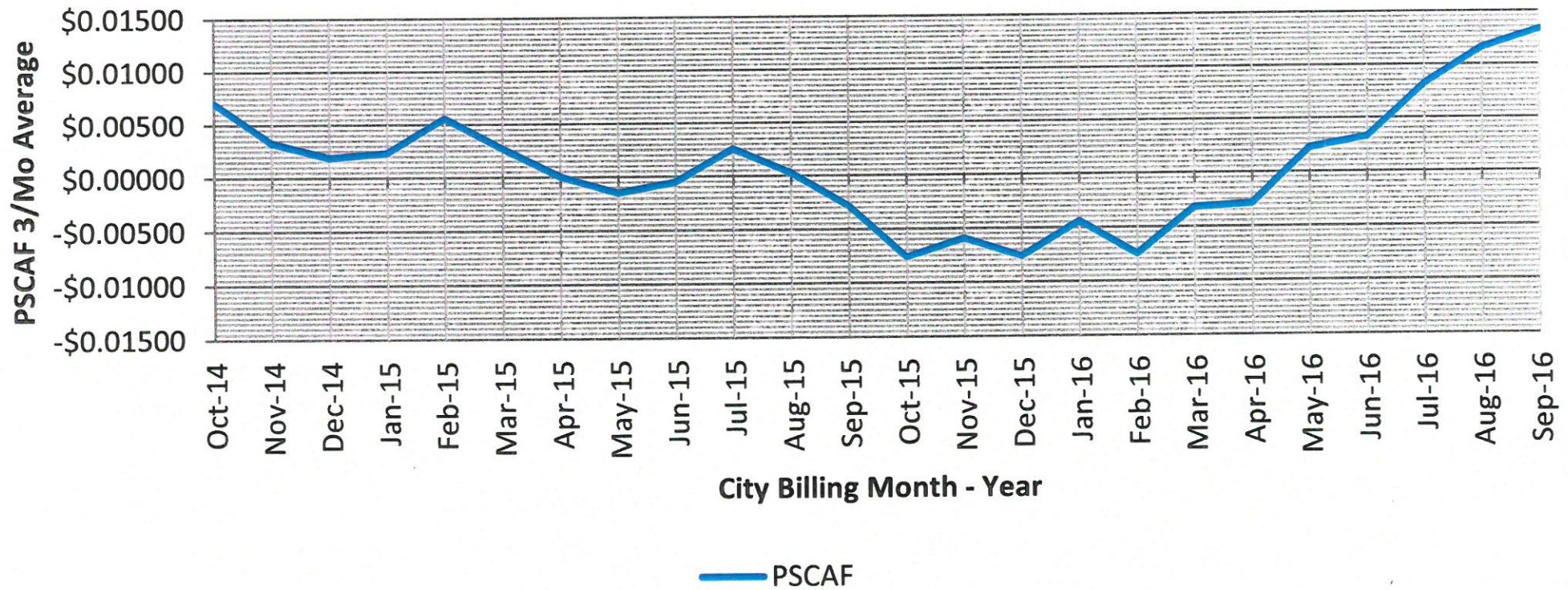
BILLING SUMMARY AND COM

SEPTEMBER, 2016

2016 - SEPTEMBER BILLING WITH AUGUST 2016

Class and/or Schedule	Rate Code	Jul-16 (kWh Usage)	Jul-16 Billed	Cost / kWh For Month	Aug-16 # of Bills	Aug-16 (kWh Usage)	Aug-16 Billed	Cost / kWh For Month	TOTAL KWH USAGE PRIOR 12 MO	TOTAL BILLING PRIOR 12 MO	Avg.Cost Per kWh For Period	Avg.Num. of Bills For Period	Avg.Per.% of Bills For Period
Residential (Dom-In)	E1	2,133,169	\$248,418.37	\$0.1165	3,327	2,832,020	\$332,693.75	\$0.1175	26,459,224	\$2,822,604.73	\$0.1067	3,342	56.6845%
Residential (Dom-In) w/Ecosmart	E1E	4,890	\$577.51	\$0.1181	9	7,000	\$827.07	\$0.1182	59,670	\$6,506.18	\$0.1090	9	0.1597%
Residential (Dom-In - All Electric)	E2	381,668	\$44,540.19	\$0.1167	610	458,361	\$54,279.87	\$0.1184	5,812,912	\$608,455.59	\$0.1047	609	10.3271%
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	692	\$80.09	\$0.1157	1	796	\$93.91	\$0.1180	8,057	\$857.51	\$0.1064	1	0.0170%
Total Residential (Domestic)		2,520,419	\$293,616.16	\$0.1165	3,947	3,298,177	\$387,894.60	\$0.1176	32,339,863	\$3,438,424.01	\$0.1063	3,961	67.1883%
Residential (Rural-Out)	ER1	712,526	\$87,201.53	\$0.1224	760	863,493	\$107,008.31	\$0.1239	8,963,116	\$1,006,305.13	\$0.1123	756	12.8163%
Residential (Rural-Out) w/Ecosmart	ER1E	2,470	\$316.19	\$0.1280	4	3,000	\$385.56	\$0.1285	32,605	\$3,804.06	\$0.1167	4	0.0678%
Residential (Rural-Out - All Electric)	ER2	380,642	\$46,371.53	\$0.1218	383	443,608	\$54,903.94	\$0.1238	5,309,303	\$587,309.09	\$0.1106	385	6.5262%
Res. (Rural-Out - All Electric) w/Ecosmar	ER2E	1,606	\$199.48	\$0.1242	2	1,669	\$212.18	\$0.1271	23,036	\$2,586.02	\$0.1123	2	0.0339%
Residential (Rural-Out w/Dmd)	ER3	19,858	\$2,377.56	\$0.1197	16	16,942	\$2,109.31	\$0.1245	371,254	\$39,211.28	\$0.1056	16	0.2657%
Residential (Rural-Out - All Electric w/Dm	ER4	7,401	\$917.12	\$0.1239	9	8,540	\$1,073.07	\$0.1257	133,075	\$14,481.06	\$0.1088	9	0.1527%
Total Residential (Rural)		1,124,503	\$137,383.41	\$0.1222	1,174	1,337,252	\$165,692.37	\$0.1239	14,832,389	\$1,653,696.64	\$0.1115	1,171	19.8626%
Commercial (1 Ph-In - No Dmd)	EC2	47,338	\$6,768.08	\$0.1430	75	48,276	\$7,085.12	\$0.1468	568,700	\$76,200.62	\$0.1340	75	1.2651%
Commercial (1 Ph-Out - No Dmd)	EC2O	6,906	\$1,415.05	\$0.2049	46	7,669	\$1,536.40	\$0.2003	92,641	\$16,894.61	\$0.1824	43	0.7350%
Total Commercial (1 Ph) No Dmd		54,244	\$8,183.13	\$0.1509	121	55,945	\$8,621.52	\$0.1541	661,341	\$93,095.23	\$0.1408	118	2.0001%
Commercial (1 Ph-In - w/Demand)	EC1	297,012	\$43,203.06	\$0.1455	258	352,786	\$50,743.54	\$0.1438	3,965,400	\$515,259.81	\$0.1299	256	4.3437%
Commercial (1 Ph-Out - w/Demand)	EC1O	38,595	\$5,289.71	\$0.1371	25	30,982	\$4,512.62	\$0.1457	398,280	\$51,390.57	\$0.1290	24	0.4113%
Total Commercial (1 Ph) w/Demand		335,607	\$48,492.77	\$0.1445	283	383,768	\$55,256.16	\$0.1440	4,363,680	\$566,650.38	\$0.1299	280	4.7550%
Commercial (3 Ph-Out - No Dmd)	EC4O	40	\$41.00	\$1.0250	2	80	\$46.26	\$0.5783	18,240	\$2,481.21	\$0.1360	2	0.0339%
Total Commercial (3 Ph) No Dmd		40	\$41.00	\$1.0250	2	80	\$46.26	\$0.5783	18,240	\$2,481.21	\$0.1360	2	0.0339%
Commercial (3 Ph-In - w/Demand)	EC3	1,379,117	\$172,587.98	\$0.1251	203	1,595,241	\$203,673.47	\$0.1277	18,198,235	\$2,081,746.42	\$0.1144	205	3.4702%
Commercial (3 Ph-Out - w/Demand)	EC3O	283,681	\$36,648.60	\$0.1292	39	317,778	\$41,164.85	\$0.1295	4,544,898	\$517,927.77	\$0.1140	39	0.6615%
Commercial (3 Ph-In - w/Dmd.&Sub-St.C	EC3S	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	595,680	\$59,938.11	\$0.1006	1	0.0085%
Commercial (3 Ph-Out - w/Dmd.&Sub-St.	E3SO	120,080	\$14,126.22	\$0.1176	3	139,680	\$16,763.38	\$0.1200	1,634,880	\$175,362.26	\$0.1073	3	0.0509%
Commercial (3 Ph-In - w/Demand, No Ta	EC3T	1,880	\$235.92	\$0.1255	1	3,120	\$442.73	\$0.1419	31,760	\$3,727.78	\$0.1174	1	0.0170%
Total Commercial (3 Ph) w/Demand		1,784,758	\$223,598.72	\$0.1253	246	2,055,819	\$262,044.43	\$0.1275	25,005,453	\$2,838,702.34	\$0.1135	248	4.2080%
Large Power (In - w/Dmd & Rct)	EL1	2,611,643	\$261,934.52	\$0.1003	21	2,731,809	\$284,732.35	\$0.1042	31,009,788	\$2,797,336.13	\$0.0902	21	0.3562%
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	975,151	\$92,615.26	\$0.0950	3	921,926	\$91,984.54	\$0.0998	11,321,621	\$934,923.01	\$0.0826	3	0.0424%
Large Power (Out - w/Dmd & Rct, w/SbCr)	EL2O	405,600	\$40,258.99	\$0.0993	1	398,400	\$40,709.41	\$0.1022	4,000,800	\$367,781.89	\$0.0919	1	0.0170%
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	74,535	\$14,994.13	\$0.2012	2	75,019	\$15,989.77	\$0.2131	932,755	\$113,340.10	\$0.1215	2	0.0339%
Total Large Power		4,066,929	\$409,802.90	\$0.1008	27	4,127,154	\$433,416.07	\$0.1050	47,264,964	\$4,213,381.13	\$0.0891	27	0.4495%
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	989,828	\$87,858.45	\$0.0888	1	1,050,981	\$94,370.91	\$0.0898	13,116,081	\$1,019,302.19	\$0.0777	1	0.0170%
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	1,001,560	\$85,009.44	\$0.0849	1	989,846	\$88,326.21	\$0.0892	12,761,073	\$976,055.50	\$0.0765	1	0.0170%
Total Industrial		1,991,388	\$172,867.89	\$0.0868	2	2,040,827	\$182,697.12	\$0.0895	25,877,154	\$1,995,357.69	\$0.0771	2	0.0339%
Interdepartmental (In - No Dmd)	ED1	37,530	\$4,545.42	\$0.1211	7	39,363	\$4,882.68	\$0.1240	574,409	\$60,841.93	\$0.1059	8	0.1315%
Interdepartmental (Out - No Dmd)	ED1O	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	\$0.00	\$0.0000	0	0.0000%
Interdepartmental (Out - w/Dmd)	ED2O	624	\$102.05	\$0.1635	2	861	\$134.56	\$0.1563	6,191	\$1,007.85	\$0.1628	2	0.0339%
Interdepartmental (In - w/Dmd)	ED2	23,144	\$3,251.87	\$0.1405	31	24,898	\$3,566.86	\$0.1433	473,016	\$57,902.92	\$0.1224	27	0.4650%
Interdepartmental (3Ph-In - w/Dmd)	ED3	167,921	\$19,556.26	\$0.1165	11	174,247	\$21,123.86	\$0.1212	2,571,006	\$270,257.32	\$0.1051	11	0.1866%
Interdepartmental (Street Lights)	EDSL	62,879	\$5,850.15	\$0.0930	7	62,879	\$5,849.08	\$0.0930	754,548	\$70,205.43	\$0.0930	7	0.1187%
Interdepartmental (Traffic Signals)	EDTS	1,702	\$157.37	\$0.0925	9	1,649	\$152.46	\$0.0925	21,442	\$1,982.56	\$0.0925	12	0.2035%
Generators (JV2 Power Cost Only)	GJV2	16,509	\$227.66	\$0.0138	1	14,549	\$61.40	\$0.0042	215,231	\$5,684.38	\$0.0264	1	0.0170%
Generators (JV5 Power Cost Only)	GJV5	12,432	\$171.44	\$0.0138	1	11,829	\$49.92	\$0.0042	153,252	\$4,007.46	\$0.0261	1	0.0170%
Total Interdepartmental		322,741	\$33,862.22	\$0.1049	69	330,275	\$35,820.82	\$0.1085	4,769,095	\$471,889.85	\$0.0989	69	1.1732%
SUB-TOTAL CONSUMPTION & DEMAND		12,200,629	\$1,327,848.20	\$0.1088	5,871	13,629,297	\$1,531,489.35	\$0.1124	155,132,179	\$15,273,678.48	\$0.0985	5,878	99.7046%
Street Lights (In)	SLO	0	\$13.73	\$0.0000	16	0	\$13.73	\$0.0000	1,463	\$341.82	\$0.2336	15	0.2615%
Street Lights (Out)	SLOO	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000	0	\$9.23	\$0.0000	2	0.0339%
Total Street Light Only		0	\$14.50	\$0.0000	18	0	\$14.50	\$0.0000	1,463	\$351.05	\$0.2400	17	0.2954%
TOTAL CONSUMPTION & DEMAND		12,200,629	\$1,327,862.70	\$0.1088	5,889	13,629,297	\$1,531,503.85	\$0.1124	155,133,642	\$15,274,029.53	\$0.0985	5,896	100.0000%

Power Supply Cost Adjustment Factor - PSCAF



RATE REVIEW COMPARISONS - Current to Prior Month and Prior Year

2016 SEPTEMBER - ELECTRIC PSCAF - BILLING COMPARISONS TO PRIOR PERIODS

Rate Comparisons to Prior Month and Prior Year for Same Period

Customer Type	Service Usage	Service Units	Current September 2016 Rate	Prior Month August 2016 Rate	Prior Year September 2015 Rate	Service Usage	Service Units	Current September 2016 Rate	Prior Month August 2016 Rate	Prior Year September 2015 Rate
<u>Customer Type -></u>			RESIDENTIAL USER - (w/Gas Heat)			RESIDENTIAL USER - (All Electric)				
Customer Charge			\$6.00	\$6.00	\$6.00			\$6.00	\$6.00	\$6.00
Distribution Energy Charge			\$20.93	\$20.93	\$20.93			\$33.39	\$33.39	\$33.39
Distribution Demand Charge										
Power Supply Energy Charge	978	kWh	\$71.20	\$71.20	\$71.20	1,976	kWh	\$143.85	\$143.85	\$143.85
Power Supply Demand Charge										
PSCAF - Monthly Factor	978	kWh	\$13.00	\$11.34	-\$2.74	1,976	kWh	\$26.26	\$22.90	-\$5.53
kWH Tax- Level 1	978	kWh	\$4.55	\$4.55	\$4.55	1,976	kWh	\$9.19	\$9.19	\$9.19
kWH Tax- Level 2										
kWH Tax- Level 3										
Total Electric			\$115.68	\$114.02	\$99.94			\$218.69	\$215.33	\$186.90
Water	6	CCF	\$42.27	\$41.37	\$39.57	11	CCF	\$68.02	\$66.37	\$63.07
Sewer (w/Stm.Sew. & Lat.)	6	CCF	\$70.89	\$64.63	\$54.58	11	CCF	\$98.89	\$90.08	\$76.78
Storm Water (Rate/ERU)			\$9.50	\$9.50	\$9.50			\$9.50	\$9.50	\$9.50
Refuse (Rate/Service)			\$18.00	\$18.00	\$18.00			\$18.00	\$18.00	\$18.00
Sub-Other Services			\$140.66	\$133.50	\$121.65			\$194.41	\$183.95	\$167.35
Total Billing - All Services			\$256.34	\$247.52	\$221.59			\$413.10	\$399.28	\$354.25
Verification Totals->			\$256.34	\$247.52	\$221.59			\$413.10	\$399.28	\$354.25
Dollar Chg.to Prior Periods				<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>
% Inc/Dec(-) to Prior Periods				\$8.82	\$34.75				\$13.82	\$58.85
				3.56%	15.68%				3.46%	16.61%
=====										
Cost/kWh - Electric	978	kWh	\$0.11828	\$0.11658	\$0.10219	1,976	kWh	\$0.11067	\$0.10897	\$0.09459
% Inc/Dec(-) to Prior Periods				1.46%	15.75%				1.56%	17.00%
Cost/CCF - Water	6	CCF	\$7.04500	\$6.89500	\$6.59500	11	CCF	\$6.18364	\$6.03364	\$5.73364
Cost/GALLONS - Water	4,488	GAL	\$0.00942	\$0.00922	\$0.00882	8,229	GAL	\$0.00827	\$0.00807	\$0.00766
% Inc/Dec(-) to Prior Periods				2.18%	6.82%				2.49%	7.85%
Cost/CCF - Sewer	6	CCF	\$11.81500	\$10.77167	\$9.09667	11	CCF	\$8.99000	\$8.18909	\$6.98000
Cost/GALLON - Sewer	4,488	GAL	\$0.01580	\$0.01440	\$0.01216	8,229	GAL	\$0.01202	\$0.01095	\$0.00933
% Inc/Dec(-) to Prior Periods				9.69%	29.88%				9.78%	28.80%

(Listed Accounts Assume SAME USAGE for kWh and Water (CCF) for All Billing Periods)
 (One "1" Unit CCF of Water = "Hundred Cubic Foot" = 748 Gallons)

RATE REVIEW COMPARISONS - Current to Prior Month and Prior Year

2016 SEPTEMBER - ELECTRIC

Rate Comparisons to Prior Month and Prior Year

	Service Usage	Service Units	Current September 2016 Rate	Prior Month August 2016 Rate	Prior Year September 2015 Rate		Service Usage	Service Units	Current September 2016 Rate	Prior Month August 2016 Rate	Prior Year September 2015 Rate
Customer Type											
Customer Type ->											
			COMMERCIAL USER - (3 Phase w/Demand)						INDUSTRIAL USER - (3 Phase w/Demand)		
Customer Charge			\$18.00	\$18.00	\$18.00				\$100.00	\$100.00	\$100.00
Distribution Energy Charge	7,040	kWh	\$38.02	\$38.02	\$38.02	98,748	Reactive		\$2,303.85	\$2,303.85	\$2,303.85
Distribution Demand Charge	20.32	kW/Dmd	\$92.86	\$92.86	\$92.86	1510.1	kW/Dmd		\$8,215.30	\$8,215.30	\$8,215.30
Power Supply Energy Charge	7,040	kWh	\$623.04	\$623.04	\$623.04	866,108	kWh		\$39,165.42	\$39,165.42	\$39,165.42
Power Supply Demand Charge									\$15,296.55	\$15,296.55	\$15,296.55
PSCAF - Monthly Factor	7,040	kWh	\$93.56	\$81.59	-\$19.71				\$10,935.05	\$9,536.29	-\$2,303.85
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
Total Electric			\$895.94	\$883.97	\$782.67				\$79,169.78	\$77,771.02	\$65,930.88
Water	25	CCF	\$137.32	\$133.57	\$126.07	300	CCF		\$1,555.51	\$1,555.51	\$1,420.51
Sewer (w/Stm.Sew. & Lat.)	25	CCF	\$178.69	\$162.74	\$138.94	300	CCF		\$1,718.69	\$1,562.49	\$1,359.94
Storm Water (Rate/ERU)			\$9.50	\$9.50	\$9.50				\$330.00	\$330.00	\$330.00
Refuse (Rate/Service)			\$5.00	\$5.00	\$5.00				\$5.00	\$5.00	\$5.00
Sub-Other Services			\$330.51	\$310.81	\$279.51				\$3,609.20	\$3,453.00	\$3,115.45
Total Billing - All Services			\$1,226.45	\$1,194.78	\$1,062.18				\$82,778.98	\$81,224.02	\$69,046.33
Verification Totals->			\$1,226.45	\$1,194.78	\$1,062.18				\$82,778.98	\$81,224.02	\$69,046.33
				<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				\$31.67	\$164.27					\$1,554.96	\$13,732.65
% Inc/Dec(-) to Prior Periods				2.65%	15.47%					1.91%	19.89%
=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====	=====
Cost/kWH - Electric	7,040	kWh	\$0.12726	\$0.12556	\$0.11117	866,108	kWh		\$0.09141	\$0.08979	\$0.07612
% Inc/Dec(-) to Prior Periods				1.35%	14.47%					1.80%	20.09%
Cost/CCF - Water	25	CCF	\$5.49280	\$5.34280	\$5.04280	300	CCF		\$5.18503	\$5.18503	\$4.73503
Cost/GALLONS - Water	18,701	GAL	\$0.00734	\$0.00714	\$0.00674	224,415	GAL		\$0.00693	\$0.00693	\$0.00633
% Inc/Dec(-) to Prior Periods				2.81%	8.92%					0.00%	9.50%
Cost/CCF - Sewer	25	CCF	\$7.14760	\$6.50960	\$5.55760	300	CCF		\$5.72897	\$5.20830	\$4.53313
Cost/GALLON - Sewer	18,701	GAL	\$0.00956	\$0.00870	\$0.00743	224,415	GAL		\$0.00766	\$0.00696	\$0.00606
% Inc/Dec(-) to Prior Periods				9.80%	28.61%					10.00%	26.38%
(Listed Accounts Assume SAME USA)											
(One "1" Unit CCF of Water = "Hundred")											

Electric Department Report August 2016

There were 18 Callout/Outages during the month of September. 2 outages were caused by animals getting in power lines. 1 callout was to turn on multiple customers for utilities. 4 callouts were customer issues behind their meters. 1 callout was to perform a locate for a water main break. 1 outage was due to faulty wires next to transformer. 2 outages were caused by high winds. 4 outages were a result of lightning strikes. 1 callout was a voltage interruption on a feeder line and transmission line which cleared and reclosed on both circuits. The cause could not be determined. 2 outages were caused by contractors digging into service lines.

Linemen/Service Truck: Crews performed electrical work at the fairgrounds and performed work on an underground to overhead 69KV upgrade at Industrial Substation. Linemen also performed shutoffs for billing department. Crews set a central metering pole on Rd T-1. Linemen took down a service on Daggett where fire destroyed an apartment. Crews worked on Independence replacing poles on the North side of that street. Crews worked on a service and conduit on Sycamore Street. Crews hung a new street light on west end of Oak Street.

Substation Crew: Todd and Nikk performed routine maintenance at all substations. They also installed new underground feeder cables on all feeders at Industrial Substation and performed work related to an underground to overhead 69KV project. They also worked on reports and specs for upcoming work.

Tree Crew: The tree trimming crew trimmed trees in Riviera Heights, West Riverview, Glenwood, St. Rt. 108 & T, alley in west end, Wayne Park Drive, Filling Home, 424 West and Oak Street.

Storeroom/Inventory: Shawn read meters, ordered inventory, mowed as needed, performed maintenance on equipment in the shop. He also helped crews as needed and unloaded trucks delivering inventory.

The Peak Load for August, 2016 was 31.68 MW occurring on the 11th at 7 PM. This was an increase of 2.31MW compared to August of 2015. The average load was 20.69 MW. This was an increase of 1.26 MW compared to August, 2015. The turbine site ran on 6 different days this month. JV 2 ran on 7 separate days during the month. The solar site produced 519.49 MWh this month compared to 594.85 MWh for August 2015. This was a decrease of 75.36 MWh compared to August 2015. The August, 2016 solar field peak was 3.41 MW compared to 3.46 MW in August of 2015. This was a decrease of .05MW.

City of Napoleon, Ohio



SUMMARY OF AUGUST 2016 OUTAGE/STANDBY CALL-OUTS

August 2, 2016:

Electric personnel were dispatched at 4:15 p.m. to Dodd St. & Lagrange St. due to a power outage. The outage lasted one hour and affected twenty three customers. The outage was due to an animal that got into the electric lines and blew a fuse. The personnel replaced the fuse.

August 3, 2016:

One employee was dispatched by the City Building at 3:50 p.m. to turn on electric at various locations.

August 3, 2016:

Electric personnel were dispatched at 4:30 p.m. to County Road M2 due to a contractor that hit an underground electric wire. The personnel repaired the wire.

August 6, 2016:

Electric personnel were dispatched at 4:00 a.m. to 820 Sheffield Ave. due to a loose connection. The personnel checked all connections and found the customers' main disconnect had issues.

August 11, 2016:

Electric personnel were dispatched at 7:34 p.m. to 188 Thomas Ave. due to electrical problems. The personnel check voltage at the meter and checked the breaker. It had good voltage and was the customers' problem.

August 11, 2016:

Electric personnel were dispatched at 11:31 p.m. to 1045 Westmont to do a locate for a water main break.

August 14, 2016:

Electric personnel were dispatched at 7:00 p.m. to 712 Park St. due to a power outage. The outage lasted one hour and affected thirteen customers. The outage was due to leads out of a transformer that burned up. The personnel replaced the leads with copper.

August 19, 2016:

Electric personnel were dispatched at 7:08 p.m. to 131 Meekison St. due to electrical problems. When the personnel arrived it was the customers' breaker that was tripped.

August 24, 2016:

Electric personnel were dispatched at 7:00 p.m. to 16326 US 6 due to a power outage. The outage lasted four hours and affected one customer. The outage was due to a tree branch that fell on electric wires and took the wires down. The personnel spliced the wires.

August 24, 2016:

Electric personnel were dispatched at 7:00 p.m. to County Road R due to a broken pole that broke during a storm. The personnel replaced the pole.

August 25, 2016:

Electric personnel were dispatched at 7:00 a.m. to 16165 County Road V due to a power outage. The outage lasted one hour and affected one customer. The outage was due to an animal that got into the electric lines and blew a fuse. The personnel replaced the fuse.

August 27, 2016:

Electric personnel were dispatched at 2:15 p.m. to County Road P3 due to a power outage. The outage lasted two hours and affected thirty eight customers. The outage was due to lightning that blew a fuse. The personnel replaced the fuse.

August 27, 2016:

Electric personnel were dispatched at 2:15 p.m. to Scott St. & Lagrange St. due to a power outage. The outage lasted two hours and fifteen minutes. The outage was due to lightning that struck an ABS switch. The personnel replaced the switch.

August 27, 2016:

Electric personnel were dispatched at 2:15 p.m. to Scott St. due to a power outage. The outage lasted two hours and fifteen minutes and affected fifteen customers. The outage was due to a blown transformer. The personnel replaced the transformer.

August 27, 2016:

Electric personnel were dispatched at 2:15 p.m. to the Glenwood Substation due to a power outage. Lightning hit F-4052 feeder cable .3 miles from substation. The line was severed and personnel put on a jumper to restore power.

August 28, 2016:

Electric personnel were dispatched at 11:45 a.m. to Industrial Substation due to multiple blinks on the system. The problem cleared itself up.

August 28, 2016:

Electric personnel were dispatched at 8:30 p.m. to Spin City Laundry on Scott St. due to electrical problems from lightning. Personnel checked all connections and it was a customers' problem.

August 29, 2016:

Electric personnel were dispatched at 2:55 p.m. to 1095 Westchester Ave. due to a contractor that dug into a power line. The personnel located the old service and spliced in the new wire and re-energized the power.

Napoleon Power & Light

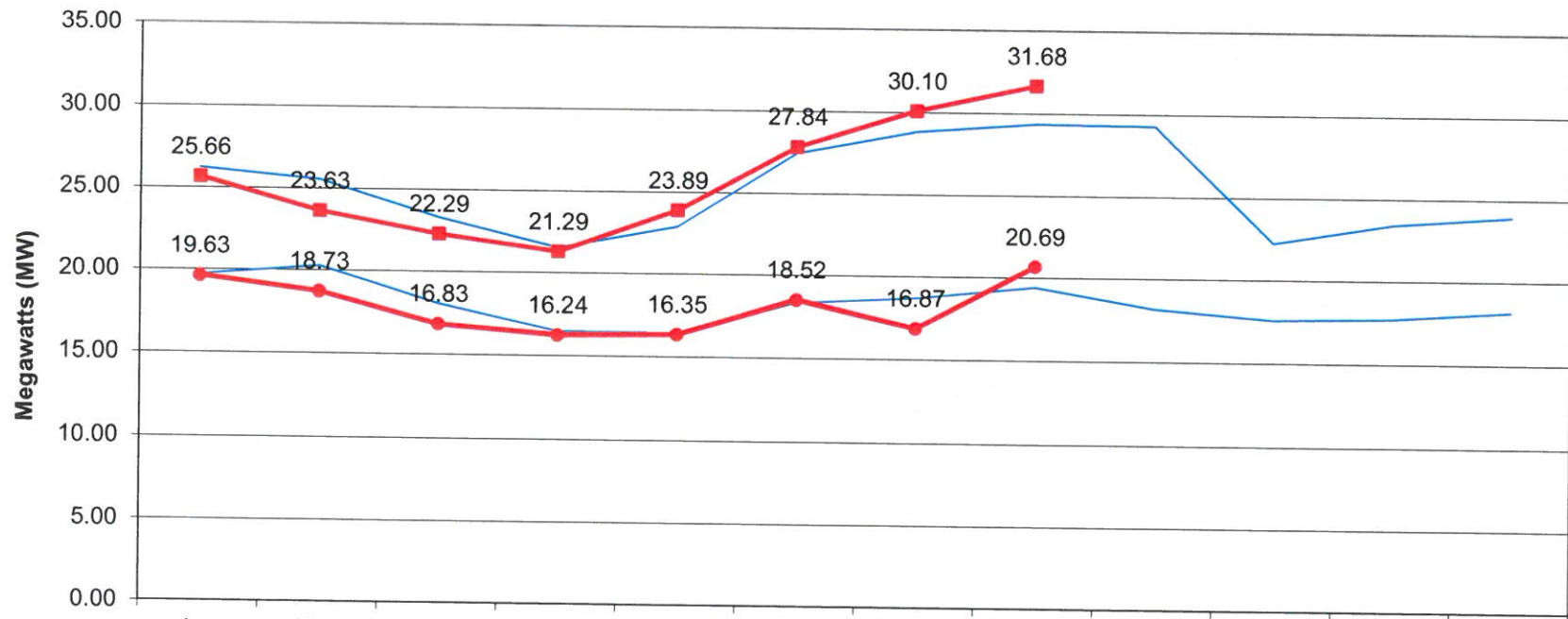
System Load

Peak Load:
31.68 MW @ 8/11/2016 7:00:00PM

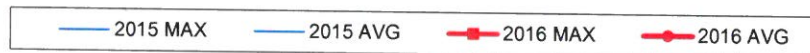
Month of: August 2016



NAPOLEON POWER & LIGHT



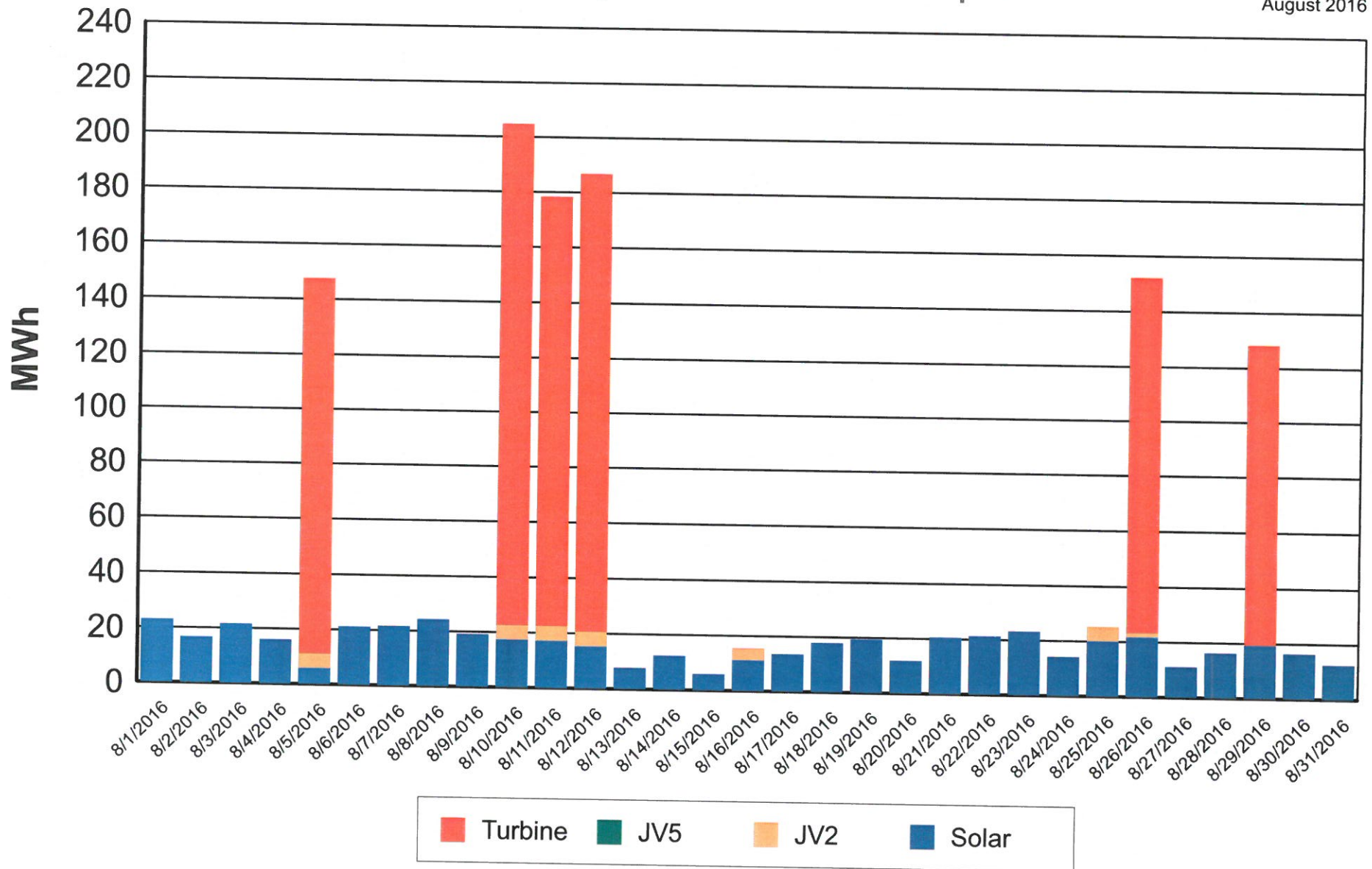
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	1/1/2015	2/1/2015	3/1/2015	4/1/2015	5/1/2015	6/1/2015	7/1/2015	8/1/2015	9/1/2015	10/1/2015	11/1/2015	12/1/2015
— 2015 MAX	26.22	25.55	23.31	21.55	22.90	27.47	28.83	29.37	29.29	22.25	23.43	23.94
— 2015 AVG	19.70	20.28	18.05	16.48	16.43	18.33	18.71	19.43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



Napoleon Power & Light

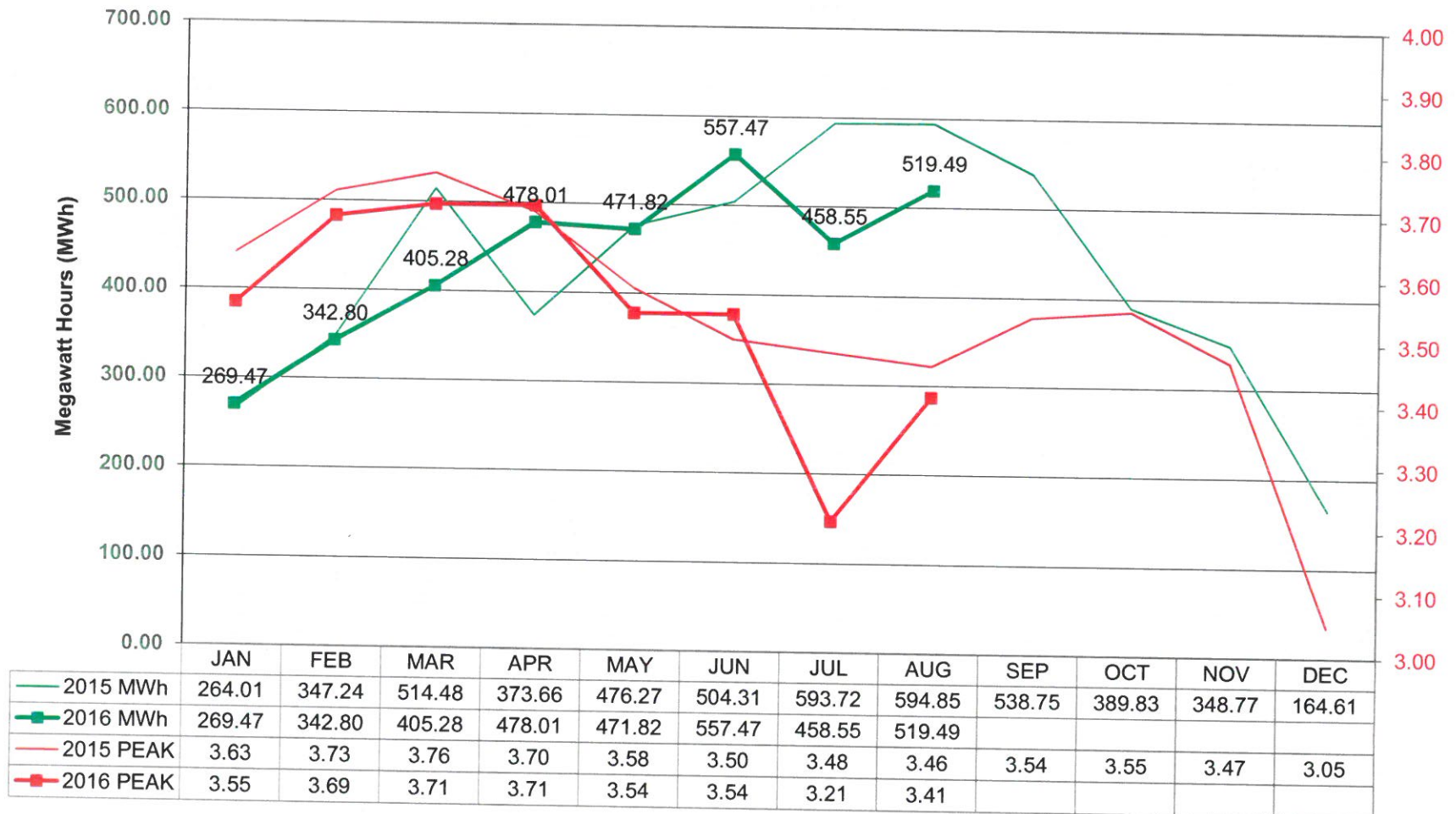
Daily Generation Output

August 2016



NAPOLEON POWER & LIGHT

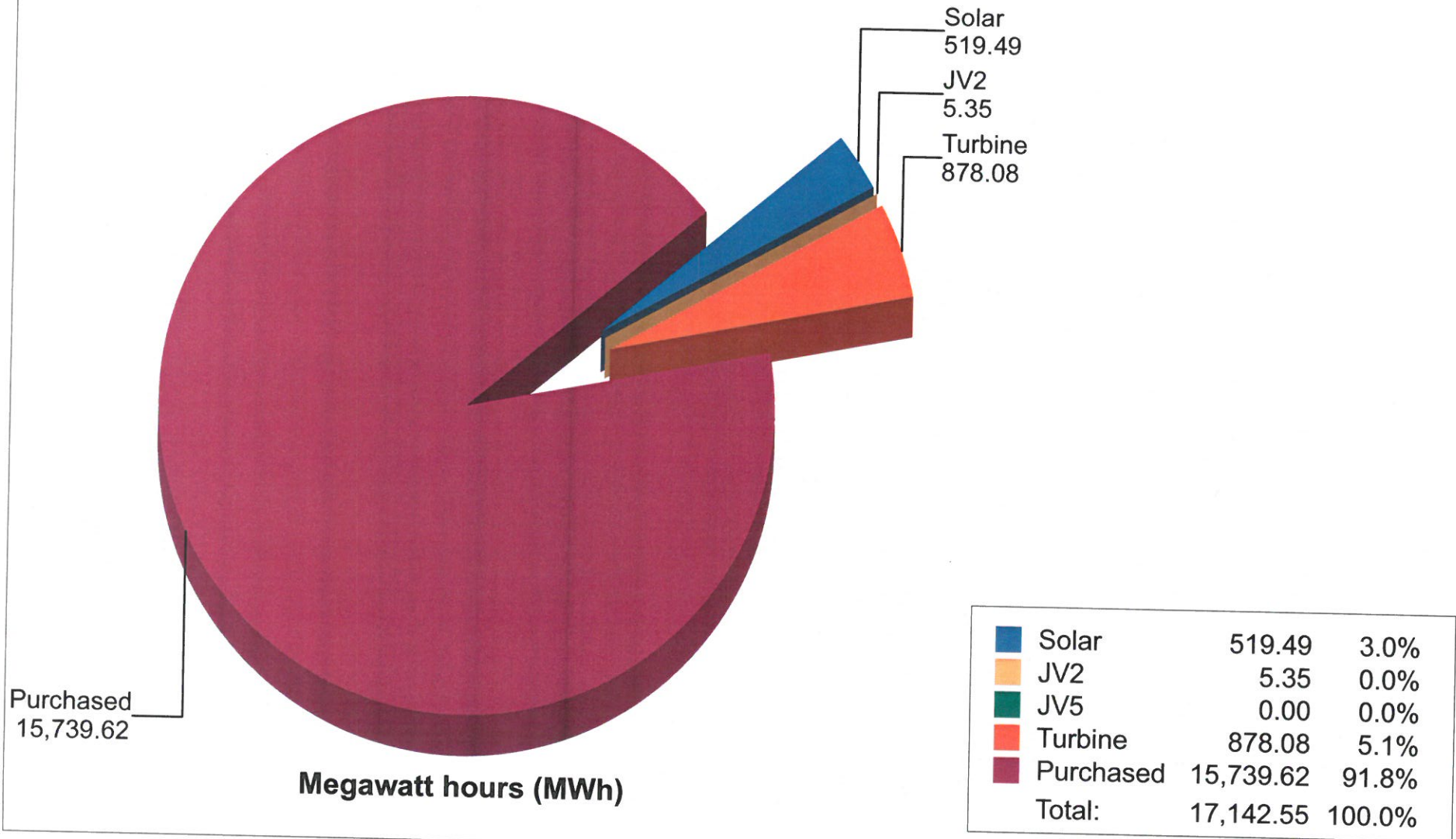
Solar Field Output Trend



Napoleon Power & Light

Power Portfolio

August 2016





City of Napoleon, Ohio

DEPARTMENT OF MANAGEMENT

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

Memorandum

To: Mr. Chair and Electric Committee
From: Monica Irelan, City Manager
RE: *Automatic Renewal of Efficiency Smart*

History:

Efficiency Smart is a nationally recognized efficiency program. We are currently enrolled in the High Performance service with guaranteed benchmarks for savings. The contract is a 3-year contract with an evergreen clause meaning it automatically renews.

Efficiency programs are important because it helps lower peak load contribution, customers' bills, and capacity charges.

Options:

Option one; we may decide to allow the schedule to renew pursuant to its terms. High Performance service would continue uninterrupted for an additional 36 months at \$1.40/MWh of retail sales.

Option two; we can decide to continue participation in Efficiency Smart under the new "Efficiency Smart 3.0" (or "ES 3.0"). ES 3.0 will provide a variety of products and price points as shown in the attached summary. In the event that we select this option, a new schedule will need to be approved, so we will need to set up a meeting to discuss what options we want and edit our contract to reflect that.

Option three; we may to terminate our current Schedule, and discontinue participation in the Efficiency Smart program at the end of the current contract term.

Recommendation:

I would recommend we continue with the automatic renewal. If we chose to add services under the new ES 3.0 program, we can amend the contract at a later date.

Efficiency Smart Program Comparison

	Guaranteed Performance Services				Community “A La Carte” Services				
	Enhanced (1.0% annual municipal electric load reduction)	High (0.5% annual municipal electric load reduction)	Basic (0.25% annual municipal electric load reduction)	Custom Commercial and Industrial (0.5% annual C&I load reduction)	Business Energy Rebates	Residential Online Lighting Store	Residential Efficient Appliances	Home Energy Audits	Commercial and Industrial Energy Audits
Markets served									
Residential	✓	✓	✓			✓	✓	✓	
Commercial	✓	✓	✓	✓	✓				✓
Industrial	✓	✓	✓	✓	✓				✓
Municipal	✓	✓	✓	✓*					
Features									
Branding Partnership	✓	✓	✓	✓	✓	✓	✓	✓	✓
Periodic Performance Reports	✓	✓	✓	✓	✓	✓	✓	✓	✓
Ability to Add Services Once Underway	✓	✓	✓	✓	✓	✓	✓	✓	✓
MWh Savings Targets	✓	✓	✓	✓	✓				
Custom and Prescriptive Financial Incentives	✓	✓	✓						
Custom Only Financial Incentives				✓					
Prescriptive Only Financial Incentives					✓	✓	✓		
Prescriptive Forms Available Via Website	✓	✓	✓		✓	✓	✓		
Account Management Services	✓	✓	✓	✓					
Technical Services	✓	✓	✓	✓				✓	✓
Community Outreach Services	✓	✓	✓						
Community Service Organization Partnerships	✓	✓	✓						
Community-Specific Delivery Strategy	✓	✓	✓	✓					
Coordinate Marketing and Promotional Activities With Local Utility	✓	✓	✓	✓	✓				
Savings Guarantee	✓	✓	✓	✓					
Saving Verification	✓	✓	✓	✓					
Savings Review					✓	✓	✓		
Potential to Bid into PJM Forward Capacity Market	✓	✓	✓	✓					

*special pricing

City of Napoleon, Ohio
BOARD OF PUBLIC AFFAIRS (BOPA)
Meeting Agenda
Monday, September 12, 2016 at 6:30 pm

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

- I. Approval of Minutes from August 08, 2016 *(In the absence of any objections or corrections, the Minutes shall stand approved)*
- II. Review/Approval of the Power Supply Cost Adjustment Factor for September, 2016:
PSCAF three (3) month averaged factor: \$0.01329
JV2: \$0.010999
JV5: \$0.010999
- III. Electric Department Report.
- IV. Review of the Net Metering Policy (Tabled).
- V. Review of the Automatic Renewal of Efficiency Smart Contract.
- VI. Any other matters to come before the Board.
- VII. Adjournment

Gregory J. Heath, Finance Director/Clerk of Council

City of Napoleon, Ohio
Board of Public Affairs
Meeting Minutes
Monday, August 8, 2016 at 6:30pm

PRESENT

Members

Absent

Electric Committee

City Staff

Mike DeWit – Chair, Dr. David Cordes

Nick Frysinger

Travis Sheaffer, Patrick McColley

Monica S. Irelan, City Manager

Chris Peddicord, Assistant Finance Director/Acting Clerk of Council

Lisa L. Nagel, Law Director

Jason P. Maassel, Mayor

Bobby Stites, Assistant MIS Director

Dennis Clapp, Electrical Superintendent

Chad Lulfs, Director of Operations

Tracy Crist

Recorder

Others

Members

Call To Order

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

Approval Of Minutes

The July 11, 2016 meeting minutes stand approved as presented with no objections or corrections.

**Motion to Approve Minutes
As Presented**

Motion: Dr. Cordes Second: DeWit
To Approve Minutes as Presented

Passed

Yea- 2

Nay- 0

Roll call vote on above motion:

Yea- DeWit, Dr. Cordes

Nay-

**Review Of Power Supply Cost
Adjustment Factor**

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

PSCAF three (3) month averaged factor: \$0.01159

JV2: \$0.004216

JV5: \$0.004216

**BOPA Motion To
Recommend
Approval Of Power Supply
Cost Adjustment Factor**

Motion: Dr. Cordes Second: DeWit
To recommend approval of Power Supply Cost Adjustment Factor for August, 2016 as follows:

PSCAF three (3) month averaged factor: \$0.01159

JV2: \$0.004216

JV5: \$0.004216

Passed
Yea- 2
Nay- 0

Electric Department Report

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

Electric Superintendent Dennis Clapp gave a department update.
(See Attached)

Dr. Cordes asked if the JV units are diesel? Irelan and Clapp both replied that they are. Dr. Cordes inquired if the City has plans to sell the JV5 unit? Irelan confirmed that is the plan. Dr. Cordes asked what the going rate for the unit would be? Irelan said she was unsure. Dr. Cordes asked if the JV2 could do a black start if a city wide outage; Irelan said there would be no problem.

Clapp advised that there would be peak shaving again for Thursday, August 11 and Friday, August 12 due to the predicted high temperatures.

McColley commended Clapp and the electric department crew for a quick response to a power outage in the country on July 29th. He also said that the automated system worked really well. Clapp replied that they were actually at a fire in town at the time and the standby personnel was also assisting at the fire and had to leave to go to the outage and then get back to the fire. Clapp stated they did have some problems in the alleys during the fire and hoped the issue could be addressed in the future. He said they have to have access to the back of the houses to be able to “kill” the power and the alleys were full of cars and “gawkers”. It makes the linemen angry and causes hazards all around.

Irelan mentioned that some of the crews and she would be in the Tomato Festival Parade on Sunday, August 14 handing out footballs and hand sanitizers with the 800 number to call for outages. She also made it known that all city employees participating in the parade were doing so on a volunteer basis and no overtime would be incurred.

Review of the Net Metering Policy

Net metering remained tabled.

BOPA Motion To Adjourn

Motion: Dr. Cordes Second: DeWit
To Adjourn at 6:50 pm

Passed
Yea- 2
Nay- 0

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

Date

Mike DeWit, Chair

I

DRAFT

City of Napoleon, Ohio

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

Monday, September 12, 2016 at 7:00 pm

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

- I. Approval of Minutes from August 08, 2016 (*In the absence of any objections or corrections, the Minutes shall stand approved.*)
- II. Review of CIC Agreement due to the resignation of Director Amanda Griffith (Tabled).
- III. Review of Goals for the CIC (Tabled).
- IV. Review of Sidewalks on Industrial Drive Project
- V. Updated information from Staff on Economic Development (as needed).
- VI. Adjournment.

Gregory J. Heath, Finance Director/Clerk of Council

City of Napoleon, Ohio
Municipal Properties, Buildings, Land Use & Economic Development Committee
Meeting Minutes
Monday, August 8, 2016 at 7:30pm

PRESENT Committee Members City Staff Recorder Others	Patrick McColley - Chair, Travis Sheaffer, Jeff Mires, Jason Maassel Chris Peddicord, Assistant Finance Director/Acting Clerk of Council Monica Irelan, City Manager Lisa Nagel, Law Director Dennis Clapp, Electric Superintendent Chad Lulfs, Director of Public Works Tracy Crist Media
ABSENT Committee Staff Call To Order	
Approval Of Minutes	Chairman McColley called the meeting to order at 7:55 pm. Minutes of the July 11, 2016 meeting stand approved as presented with no objections or corrections.
Review of CIC Agreement Due to the Resignation of Amanda Griffith	This item remained tabled.
Review of Goals for the CIC	Irelan stated that the city has never really established goals, so there really isn't anything to review; but she read in the article that Denise would like to focus on the CIC Economic Development Plan. If Denise does that she will most likely be focusing on the river front development and on the continuing retention calls for industrial customers and getting some more enterprise agreements tied to other projects so as to generate more income for the CIC. Irelan said setting out the city's expectations for Denise would probably be a very good idea. Realizing, of course, she does not work just for the city of Napoleon, Irelan feels the city needs to prioritize its goals so Denise is not being overwhelmed with too much work/focus on just the city. McColley stated he agreed with everything Irelan said, but he personally would like to see expanded work in the commercial area. Maassel said he feels the CIC should market what's available. Irelan stated that the goals then would be to market what's available and then focus on the river front improvement. Maassel stated that the plan Glen Grisdale did for the CIC would be a great tool for Denise. McColley asked Irelan to email the plan to the committee members prior to the next meeting. Maassel said he will invite Denise to the next committee meeting on September 6, 2016 to introduce herself and review the city's goals.

Motion to Table Review of Goals for the CIC

Passed:

Yea- 4

Nay- 0

Discussion of Dedication of Clairmont Avenue from Briarheath to Westmoreland

Motion: Shaeffer Second: Maassel
To table review of goals for the CIC

Roll call vote on motion:

Yea- Shaeffer, Maassel, Mires, McColley

Nay-

Irelan stated there is a memo in the agenda packet explaining that the school district owns Clairmont from Briarheath to Westmoreland and they have been talking to the city for a couple of years about dedicating it back to the city. She said what the city typically does before taking road over is to have the owner bring the road up to city standards and then the city will maintain it from there on out. Irelan said that she and staff recommend the school district bring the road up to city standards which is in line with policy and procedures. Irelan said through staff inspections it was determined it will cost about \$208,000 to bring the road up to city standards. This includes, planning, driveway excavation, curb removal/replacement, removal/replacement of concrete walkways, asphalt and concrete base and surface, storm sewers, manholes and traffic immobilization.

Maassel asked if the school was aware of the city's policy for taking over a street? Irelan answered it has been mentioned when they talked about it a year ago.

Maassel inquired if the city has maintained snow and ice removal? Irelan replied that even though it's a private street, the city has continued this service over the years.

Irelan commented that this is all informational, unless the committee wants her to against normal policy and procedure. Maassel said he thinks the city needs to let the school board know they would take over the road only if it's in good condition.

Maassel wanted to know if taking on this road would throw off the current street repair schedule? Would we have to pave more pieces in the area to make it fit? Lulfs said no, it would not.

Shaeffer said that looking at the city issue, it's a pretty insignificant street, especially when there are streets like Welsted and other ones that are terrible. Maassel stated he did not feel it's an insignificant street, as it is a road to a major employer in the city.

Lulfs clarified that the school district has not formerly filed for dedication, only inquired as to the procedures. They may choose not to dedicate it.

McColley stated he would not be opposed to working something out with the school district, because even though it is a “private” street, it is still used heavily by the public.

Irelan said she and staff will proceed with conversations as they normally would in any other similar situation.

Motion To Adjourn

Motion: Shaeffer Second: Mires
To adjourn the meeting at 8:20 pm.

Passed:

Yea- 4

Nay- 0

Roll call vote on motion:

Yea- Shaeffer, Maassel, Mires, McColley

Nay-

Date_____

Patrick McColley, Chair



City of Napoleon, Ohio

DEPARTMENT OF MANAGEMENT

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

Memorandum

To: Mr. Chair and Municipal Properties, etc. Committee
From: Monica Irelan, City Manager
RE: *Industrial Drive Sidewalks*

History:

In February 2015, the City applied for a grant through ODOT's Small City program. This program will fund a portion of the construction of roads and drainage structures. The City is responsible for waterlines, sanitary sewers, and all design costs.

Staff was able to negotiate with ODOT and had the grant adjusted from 80% of the eligible costs to 95% of the eligible costs. In the end, we received a grant up to \$1,956,050 for all eligible items. (We do not have a total estimated cost yet; we are very early in the design). The City requested and was granted approval to have the construction delayed until 2018.

Safety is a large concern for ODOT. Because it is their money, they require us to include certain enhancements, one of which was sidewalks on both sides of the road. We were able to convince them to just require sidewalks on one side of the road. We will be putting them on the west side. This will affect 3 properties: the apartments on E. Riverview, Old Castle, and the Operations building. If not for ODOT's involvement, we would not install sidewalks in industrial areas.

Recommendation:

I would recommend that the City pay for these sidewalks. 95% of the cost will be covered by the grant.

Memorandum

TO: Water, Sewer, Refuse, Recycling & Litter Committee, Council, Mayor, City Manager, City Law Director, City Finance Director, Department Supervisors

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

DATE: September 8, 2016

RE: Water, Sewer, Refuse, Recycling & Litter Committee Meeting CANCELLATION

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

MEMORANDUM

To: Board of Zoning Appeals, Council, Mayor, City Manager, City Law Director, City Finance Director, Department Supervisors, Media

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

Date: September 7, 2016

Re: Board of Zoning Appeals Meeting Cancellation

The Board of Zoning Appeals meeting regularly scheduled for Tuesday, September 13, 2016 at 4:30 pm has been CANCELED due to lack of agenda items.

MEMORANDUM

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

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

DATE: September 7, 2016

RE: Planning Commission Meeting Cancellation

The Planning Commission meeting regularly scheduled for Tuesday, September 13, 2016 at 5:00 pm has been CANCELED due to lack of agenda items.

City of Napoleon, Ohio

**CIVIL SERVICE COMMISSION
Special Meeting Agenda**

Saturday, September 17, 2016 at 8:00 am

Location: Napoleon Fire Department, 265 West Riverview Avenue, Napoleon, OH

The Civil Service Commission will meet in a work session on Saturday, September 17, 2016 at 8:00 am at the Fire Station, that is located at 265 West Riverview, Napoleon, Ohio. The agenda items are:

- I. Approve applicant for the Patrolman Civil Service test.
- II. Administer and grade the written test and agility test for the positions of Patrolman and Firefighter/Paramedic.
- III. Certify lists for the positions of Patrolman and Firefighter/Paramedic.
- IV. Any other matters to come before the Commission.
- V. Adjournment.

Gregory J. Heath
Finance Director/Clerk of Council

Fw[2]: September 2016 - State and Local Climate and Energy Roundup

From: "Gregory J Heath" <gheath@napoleonohio.com>
To: "Roxanne Dietrich" <rdietrich@napoleonohio.com>

09/09/16 07:44 AM

-----Original Message-----

From: "Tim Brown" <brown@tmacog.org>
To: "Jennifer Allen" <allen@tmacog.org>
Date: 09/08/2016 05:29 PM
Subject: FW: September 2016 - State and Local Climate and Energy Roundup

Just wanted to pass this along fyi.



Tim W. Brown, President
Toledo Metropolitan Area Council of Governments
300 Martin Luther King, Jr. Drive
Suite 300
Toledo, OH 43604
(419)241-9155

Begin forwarded message:

From: "Stemen, Carmen (FHWA)" <carmen.stemen@dot.gov>
Date: September 2, 2016 at 6:47:21 AM EDT
To: "Todd Blankenship (tblankenship@rcrpc.org)" <tblankenship@rcrpc.org>, "Ann Burns (aburns@mvrpc.org)" <aburns@mvrpc.org>, "Michele Craig (mcraig@kyovaiipc.org)" <mcraig@kyovaiipc.org>, randy.durst movrc.org <randy.durst@movrc.org>, "jrdutton@starkcountyohio.gov" <jrdutton@starkcountyohio.gov>, ggallucci mpo.noaca.org <ggallucci@mpo.noaca.org>, "Dave Gedeon (gedeon@tmacog.org)" <gedeon@tmacog.org>, "Scott Hicks (hicks@belomar.org)" <hicks@belomar.org>, carol.jackson movrc.org <carol.jackson@movrc.org>, "P. E. John Getchey (JGetchey@eastgatecog.org)" <JGetchey@eastgatecog.org>, bmartin mvrpc.org <bmartin@mvrpc.org>, tmazur lacrpc.com <tmazur@lacrpc.com>, "William Murdock (wmurdock@morpc.org)" <wmurdock@morpc.org>, "Robert Nau (ranau@starkcountyohio.gov)" <ranau@starkcountyohio.gov>, "Gerald Newton (GNewton@lcounty.com)" <GNewton@lcounty.com>, mikepap bhjmpc.org <mikepap@bhjmpc.org>, mpolicinski oki.org <mpolicinski@oki.org>, "brown@tmacog.org" <brown@tmacog.org>, rkoehler oki.org <rkoehler@oki.org>, krodi eastgatecog.org <krodi@eastgatecog.org>, "Saleem Salameh (ssalameh@kyovaiipc.org)" <ssalameh@kyovaiipc.org>, Kathy Sarli <KSarli@mpo.noaca.org>, "Scott Schmid (sschmid@clarkcountyohio.gov)" <sschmid@clarkcountyohio.gov>, "Rakesh Sharma (rsharma@belomar.org)" <rsharma@belomar.org>, "Jotika Shetty (jshetty@rcrpc.org)" <jshetty@rcrpc.org>, "Steve Poggiali (SteveP@eriecounty.oh.gov)" <SteveP@eriecounty.oh.gov>, "Thea J. Walsh (twalsh@morpc.org)" <twalsh@morpc.org>, "Brad Bodenmiller (bradbodenmiller@lucplanning.com)" <bradbodenmiller@lucplanning.com>, "Misty Casto (mcasto@buckeyehills.org)" <mcasto@buckeyehills.org>, "OMEGA Ohio Mid-Eastern Governments Association (director@omegadistrict.org)" <director@omegadistrict.org>, "Jason Gillow

(jgillow@ovrdc.org)" <jgillow@ovrdc.org>, "David Gulden (davegulden@lucplanning.com)" <davegulden@lucplanning.com>, "John Hemmings (jhemmings@ovrdc.org)" <jhemmings@ovrdc.org>, "Jeannette Wierzbicki (jeannettew@omegadistrict.org)" <jeannettew@omegadistrict.org>, "Dennis Miller (dmiller@mvp.org)" <dmiller@mvp.org>, "Karen Pawloski (kpawloski@buckeyehills.org)" <kpawloski@buckeyehills.org>, "Ellen Barry Smith (esmith@mvp.org)" <esmith@mvp.org>, "Kara Willis (kwillis@ovrdc.org)" <kwillis@ovrdc.org>

Subject: FW: September 2016 - State and Local Climate and Energy Roundup

Everyone,

For your information., use and distribution. Thanks. -Carmen

Respectfully,

Carmen M. Stemen, MUP
Planning and Environment Specialist
FHWA Ohio Division - Work: 614-280-6848
[e-mail: Carmen.Stemen@dot.gov](mailto:Carmen.Stemen@dot.gov)

From: epa-state-local-climate-energy@lists.icfwebservices.com [<mailto:epa-state-local-climate-energy@lists.icfwebservices.com>]

Subject: September 2016 - State and Local Climate and Energy Roundup



Resources

- EPA releases new state fact sheets on climate change
- EPA offers up to \$80,000 to communities to develop air sensor data best practices
- DOE announces availability of up to \$3 million to initiate clean energy development on tribal lands

EPA releases new state fact sheets on climate change

EPA published a series of fact sheets, "[What Climate Change Means for Your State](#)," that focus on the impacts of climate change in each of the 50 states and the territories of Guam and Puerto Rico. These 52 fact sheets compile information from previously published synthesis and assessment reports to provide a handy reference for state and local policymakers, businesses, and individuals who are looking to communicate impacts of climate change in a given state. Fact sheets on the Virgin Islands and the District of Columbia will be coming soon.

EPA offers up to \$80,000 to communities to develop air sensor data best practices

EPA is challenging communities across the country to collect data using hundreds of air quality sensors as part of the Smart City Air Challenge. The agency is offering up to \$40,000 apiece to two communities to work with their residents to crowdsource air quality data and share it with the public online. The projects will give individuals a role in collecting the data and an understanding of how environmental conditions affect their health and their community.

Air quality sensors are becoming less expensive and people are beginning to use them to measure pollution levels in their neighborhoods and homes. They are developing rapidly, but most sensors are not ready for regulatory use. However, by networking these devices, communities can better understand what is happening at the local level. Communities will figure out where to place the sensors and how to maintain the devices. It is up to each community to decide what pollutants they want to measure.

What does EPA get out of this? We'll learn how communities collect, store, and manage large amounts of data. We'll also get a better understanding of the quality of data that communities collect using sensors for non-regulatory purposes. We'll see how communities transfer data from sensors to databases and visualize the results. Finally, the sensors will produce as much as 150 gigabytes of open data a year-data anyone can use.

Smart City Air Challenge Information

- Announcement of Winners: Around December 1, 2016
- Initial award: Up to \$40,000 each to two communities to deploy air sensors, share data with the public, and develop data management best practices from sensors
- Additional funding: Up to \$10,000 each to the winning communities in 2017 based on their accomplishments and collaboration

For more information go to the [Smart City Air Challenge website](#) or [EPA Connect](#), the official blog of the EPA Leadership.

DOE announces availability of up to \$3 million to initiate clean energy development on tribal lands

On Aug. 17, the U.S. Department of Energy (DOE) Office of Indian Energy [announced](#) the availability of up to \$3 million to initiate the first steps toward developing and sustaining renewable energy and energy efficiency on tribal lands.

Under the funding opportunity announcement (FOA), Indian tribes, including Alaska Native villages, Alaska Native Regional Corporations and Village Corporations, and Tribal Energy Resource Development Organizations, can apply for assistance with the following:

1. Conduct energy options analyses
2. Establish baseline energy use and efficiency options
3. Develop energy organizations
4. Conduct climate resiliency planning
5. Establish policy, regulations, and codes to reduce energy use or promote energy development
6. Obtain skills and training related to energy use and development



Applications are due October 20, 2016. To apply for the FOA (DE-FOA-0001621), visit the [EERE Exchange website](#).

Funding Opportunity Announcement Informational Webinar: September 6

The Office of Indian Energy is hosting an informational webinar on FOA eligibility, application, and cost-share requirements, the selection process, and more on September 6, 2016, from 1 p.m. to 3 p.m. (Mountain Daylight Time). [Register for the FOA webinar](#).

State and local officials interested in additional information about developing and implementing cost-effective climate and energy strategies that help further environmental goals and achieve public health and economic benefits may visit EPA's [State and Local Climate and Energy Program](#) site.

To **subscribe** to this newsletter, go to the [Newsletters page](#).

You are currently subscribed to epa-state-local-climate-energy as: Brian.Gillen@hud.gov.

To **unsubscribe** click here: [http://lists.icfwebservices.com/u?](http://lists.icfwebservices.com/u?id=2249376.1bba1b061c04a80bc32a49030a4e4811&n=T&l=epa-state-local-climate-energy&o=225335)

[id=2249376.1bba1b061c04a80bc32a49030a4e4811&n=T&l=epa-state-local-climate-energy&o=225335](http://lists.icfwebservices.com/u?id=2249376.1bba1b061c04a80bc32a49030a4e4811&n=T&l=epa-state-local-climate-energy&o=225335)

(It may be necessary to cut and paste the above URL if the line is broken.)

Alternatively, you can unsubscribe by sending a blank email to leave-225335-2249376.1bba1b061c04a80bc32a49030a4e4811@lists.icfwebservices.com





UPdate

A weekly newsletter presented by AMP President/CEO Marc Gerken

September 2, 2016

AMP expands membership to 134 with the addition of Berea, KY

By Pam Sullivan – executive vice president of power supply & generation

Berea, Kentucky has become the newest member of AMP, bringing the organization's total membership to 134 municipal utilities. The AMP Board of Trustees recently approved Berea's membership application, following an extensive financial review, based on established criteria for acceptance of new members.

"AMP is recognized as an industry leader and this is due in large part to the strength and diversity of our member utilities," said President/CEO Marc Gerken. "We look forward to working with Berea as a partner in their efforts to provide reliable, cost-effective power supply. Their membership benefits the organization as a whole."

Located in Madison County (east central Kentucky), Berea has a population of approximately 13,500. The electric system, established in 2005, serves 5,168 total meters with a 2014 peak of 36,043 kW. The town is home to Berea College, a private, liberal arts college.

Berea becomes the sixth AMP member in the Commonwealth of Kentucky. Please join us in welcoming Berea to the AMP membership.

FERC orders PJM transmission owners to demonstrate planning compliance

By Ed Tatum – vice president of transmission

The Federal Energy Regulatory Commission (FERC) recently issued an order stating PJM transmission owners must demonstrate planning compliance. Issued Aug. 26, the order to show cause establishes a commission proceeding to determine whether PJM transmission owners are complying with the obligations outlined in Order No. 890.

The order states: "The Commission is concerned that, as implemented, the transmission planning process governed by the PJM Operating Agreement is not providing stakeholders with the opportunity for early and meaningful input and participation in the transmission planning process, as required by Order No. 890. Accordingly, the PJM Transmission Owners are directed to either (1) propose revisions to the PJM Operating Agreement to comply with Order No. 890, (2) revise their portions of the PJM Open Access Transmission Tariff (PJM OATT) or their individual Open Access Transmission Tariffs (individual OATTs) to comply with Order No. 890, or (3) show cause why they should not be required to do so, within 60 days of the date of this order."

see FERC Page 2



Lineworkers show their skills in 2016 Rodeo

By Michelle Palmer, PE – vice president of technical services

Lineworkers representing 11 members in three states showed off their skills in the third-annual AMP Lineworkers Rodeo on Aug. 27.

Participants from Bryan, Coldwater, Cleveland, Cuyahoga Falls, Central Virginia Electric Cooperative (CVEC), Jackson Center, Marshall, Piqua, Tipp City, Wadsworth and Westerville competed in events including crossarm relocation, arrester change-out and others – each designed to replicate the tasks and test the skills demanded daily in the field.

Winners were evaluated and determined based on safety, work practices, neatness, ability, equipment handling and timely event completion. Overall winners will be offered full sponsorship to attend and compete in the American Public Power Association (APPA) Rodeo.

Thank you to all of the volunteers, judges and sponsors who helped make this year's Rodeo a success. A special thanks goes out to our Platinum sponsor, Pepco.

See page 4 for the top three finishers in each apprentice, journeyman and team event, and

continued on Page 2

Order No. 890, issued in 2007, required all transmission providers to develop a planning process that satisfied the FERC-defined planning principles for new projects, including coordination, openness, transparency, information exchange and comparability.

AMP has been a vocal party on this issue in PJM, arguing that the PJM transmission owners' local transmission planning processes for supplemental projects lacked the same planning principles as the projects planned to meet PJM's regional planning criteria.

More than \$17.7 billion in the PJM footprint has been dedicated to supplemental projects, which have no published criteria and are not subject to the PJM Board's approval. To date, the PJM Board has approved \$29 billion in projects.

This means that of the total \$46.7 billion in transmission projects slated for construction in PJM's territory, only approximately 60 percent have undergone the review and approval process. Nearly 40 percent of projects are proceeding despite FERC's clear intent.

AMP has been working to control member transmission costs by actively participating in the Regional Transmission Organization (RTO) planning processes and acquiring details necessary to evaluate these projects. FERC's order will increase the planning process transparency of transmission owners within the PJM footprint, ensuring that AMP gets the information required to better achieve these initiatives.

AMP will continue to update members on this issue as developments progress. Please contact me with questions at etatum@amppartners.org or 614.540.0941.

Dog days of August lead to high electricity usage

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

After the month of July produced some of the highest energy usage bills in a number of years for members and their customers, August was even warmer. August 2016 will go down in many cities as the second-warmest August in 70 years.

In many communities throughout the AMP service territory, only August 1995 had a higher average temperature than this past month. In Virginia, the entire three-month summer season ended as the second warmest since 1952.

As expected, the hot and humid weather caused air conditioners to run daily, leading to much higher than normal energy usage in most member communities.

Since we did not have any days that were extremely hot, most members did not set any new single-hour peak loads.

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

Week ending Sept. 2

MON	TUE	WED	THU	FRI
\$42.38	\$35.26	\$34.54	\$29.28	\$27.45

Week ending Aug. 26

MON	TUE	WED	THU	FRI
\$28.86	\$29.41	\$32.33	\$36.16	\$42.94

AEP/Dayton 2017 5x16 price as of Sept. 1 — \$36.78

AEP/Dayton 2017 5x16 price as of Aug. 25 — \$37.22

Lineworkers show their skills

continued from Page 1

page 6 for additional photos from the event. More information, including full event results and a Rodeo highlight [video](#) produced by the City of Bryan, is available on the AMP [website](#).

Illinois Federal Court again dismisses re-filed lawsuit

By David Butler – partner-in-charge, Taft Stettinius & Hollister LLP

This week, a federal judge in Chicago again dismissed a proposed class-action lawsuit that had been filed by a group of electric users and ratepayers from Batavia, Illinois who have purchased electricity generated by the Prairie State Energy Campus (PSEC). The court dismissed the case a year ago, but the plaintiffs re-filed the lawsuit with amended allegations.

In this re-filed lawsuit, plaintiffs claimed that the named defendants made a series of misrepresentations and omissions to Northern Illinois Municipal Power Agency (NIMPA) and Batavia regarding the PSEC's construction costs and the expected cost of electricity that would be generated by the PSEC.

According to the amended complaint, these alleged misrepresentations were made prior to Batavia entering into its take-or-pay contract to participate in the PSEC. Plaintiffs alleged that the named defendants' conduct led to increased electric costs being passed on to the proposed class of Batavia ratepayers. AMP was not named as a defendant in this lawsuit.

In her ruling, the judge concluded that, even after accepting plaintiffs' amended allegations in the complaint as true, the plaintiffs again failed to state a claim for relief against any defendant. The judge again ruled that the defendants did not owe a duty to the proposed plaintiff class of Batavia ratepayers and that the plaintiffs did not rely on – or take any action in response to – any statement of the defendants.

Moreover, the judge found no legal authority "that would authorize a municipality's citizens or ratepayers to sue in tort on behalf of their municipality because the municipality was defrauded or misled by a third party." The judge therefore dismissed the lawsuit for the second time.

Energy markets update

By Jerry Willman – assistant vice president of energy marketing

The October 2016 natural gas contract closed down \$0.095/MMBtu to settle at \$2.792. The EIA reported a larger than expected injection of 51 Bcf for the week ending Aug. 26. Analysts expected an increase of 43 Bcf.

While still below the five-year average, this week's injection breaks from the record-setting lows that have been reported so far this summer, driven by temperatures that have been well above average.

On-peak power prices for 2017 at AD Hub closed yesterday at \$36.78/MWh, which was \$0.44/MWh lower for the week.

AFEC update

By Jerry Willman

The Fremont plant remained in 2x1 configuration for the week, but the plant dropped to its base minimum all week during the off-peak hours due to cooler temperatures and lower PJM real-time LMP's. Duct firing operated for 70 hours this week. The plant generated at a 73 percent capacity factor (based on 675 MW rating).

AMP to offer power supply, risk track at 2016 Conference

The 2016 AMP/OMEA Annual Conference, to be held Sept. 26-29, will once again feature concurrent sessions in three tracks: Finance/IT, Technical/Sustainability and Power Supply/Risk. Information regarding the three sessions for the Power Supply/Risk Track is listed below. For more information or to register for the conference, please visit the AMP [website](#).

Overview of Congestion & Financial Transmission Rights – 2 to 3 p.m. Sept. 27: AMP staff will discuss the complexity of power supply rates and the many acronyms that show up on power bills, as well as explain how the Power Supply Planning department uses tools to minimize congestion volatility and maximize FTR auction revenue.

Overview of AMP Transmission Cost Control Efforts & TEA Transmission Planning Modeling – 3 to 4 p.m. Sept. 27: AMP is partnering with The Energy Authority (TEA) to evaluate how its current modeling capabilities can help in planning and financial transmission rights selection, as well as exploring if additional transmission modeling capability can be developed. During this session, TEA's Kevin Galke and AMP staff will provide an update on these activities, current TEA modeling capabilities and next steps.

Insurance and Risk Management Check Up – 4 to 5 p.m. Sept. 27: Join speakers from Wells Fargo Insurance as they review the contractor selection process including qualifications, requirements, loss prevention and best practices. The speakers will also cover insurance and risk transfer methods and make recommendations when using contractors, as well as discuss claims preparedness and what to do after a property claim.

Hamilton plans open houses for Meldahl, Greenup facilities

Submitted by the City of Hamilton Department of Utilities

The City of Hamilton is planning open house tours at the Greenup and Meldahl hydro facilities Sept. 20-21.

The Greenup open house event is by invitation only and will take place Sept. 20 from 10 a.m. to 3 p.m. Invitations will be emailed to members and local City of Hamilton officials. The Meldahl open house event will be Sept. 21 from 10 a.m. to 3 p.m. This event is open to the public. Invitations will be emailed to members.

Light refreshments will be served at both facilities. Please wear closed-toe shoes and long pants, and keep in mind that tours are moderately strenuous.

If interested in attending, please RSVP to Debbie Bennett or Peggy Bange. For the Greenup event, please email greenup-openhouse.com@hamilton-oh.gov. For Meldahl, email meldahl-openhouse@hamilton-oh.gov.

Keffer completes requirements for BCSP certification

By Michelle Palmer, PE – vice president of technical services

AMP's Gary Keffer, director of corporate health and safety, has completed all requirements for a Board of Certified Safety Professionals (BCSP) certification. This highly respected certification is awarded by BCSP to individuals who meet eligibility criteria and experience in the safety, health and environmental discipline, and have passed an examination.



Gary Keffer

Keffer joined AMP in 2013. He is an authorized OSHA General Industry Outreach instructor, and a certified American Safety and Health Institute First Aid and CPR instructor.



AMP holds rescue training

AMP held a bucket rescue training course on Aug. 30 in Bloomdale. The course focused on safe practices and bucket rescue preparedness. Attendees represented Cygnet and Bloomdale.

APPRENTICE

Written Test

1st Tyler Martin, Piqua
2nd Kindric Link, Piqua
3rd Whit Longcore, Piqua

Hurtman Rescue

1st Mitch DeJarnette, Central Virginia Electric Cooperative (CVEC)
2nd Andrew Converse, Westerville
3rd Lance Purviance, Wadsworth

Obstacle Course

1st Andrew Converse, Westerville
2nd Mitch DeJarnette, CVEC
3rd Whit Longcore, Bryan

12kV Arrester Change Out

1st Lance Purviance, Wadsworth
2nd Ansel Montanez, Cleveland
3rd Jeremiah Thomsen, Cleveland

Crossarm Relocation

1st Andrew Converse, Westerville
2nd Jeremiah Thomsen, Cleveland
3rd Mitch DeJarnette, CVEC

Overall

1st Tyler Martin, Piqua
2nd Jeremiah Thomsen, Cleveland
3rd Whit Longcore, Bryan



Overall – Apprentice: From left: Tyler Martin of Piqua, first place; Jeremiah Thomsen of Cleveland Public Power, second place; and Whit Longcore of Bryan, third place.

JOURNEYMAN

Hurtman Rescue

1st Michael Roark, Westerville
2nd Blake Caporaletti, Cuyahoga Falls
3rd Dan Cline, Piqua

Obstacle Course

1st Michael Roark, Westerville
2nd Blake Caporaletti, Cuyahoga Falls
3rd William Houser, Cuyahoga Falls

Crossarm Relocation

1st Michael Roark, Westerville
2nd Dan Cline, Piqua
3rd William Houser, Cuyahoga Falls

Two Bell Change Out

1st Michael Roark, Westerville
2nd Dan Cline, Piqua
3rd William Houser, Cuyahoga Falls

12kV Arrester Change Out

1st Michael Roark, Westerville
2nd Dan Cline, Piqua
3rd William Houser, Cuyahoga Falls

Overall

1st Michael Roark, Westerville
2nd Dan Cline, Piqua
3rd William Houser, Cuyahoga Falls



Overall – Journeyman: From left: Michael Roark of Westerville, first place; Dan Cline of Piqua, second place; and William Houser of Cuyahoga Falls, third place.

TEAM

Hurtman Rescue

1st Westerville Electric Division
2nd Piqua Power System #1
3rd Bryan Municipal Utilities

4kV Crossarm Change Out

1st Westerville Electric Division
2nd Bryan Municipal Utilities
3rd Piqua Power System #2

Double Crossarm

1st Westerville Electric Division
2nd Piqua Power System #1
3rd Cleveland Public Power

Four Bell Change Out

1st Westerville Electric Division
2nd Piqua Power System #2
3rd Cleveland Public Power

OCR Change Out

1st Westerville Electric Division
2nd Piqua Power System #1
3rd Bryan Municipal Utilities

Overall

1st Westerville Electric Division
2nd Piqua Power System #2
3rd Piqua Power System #1



Overall – Team: First place team members from Westerville are (from left): JJ Savage, Cody Leitner and Chris Revennaugh.



Overall – Team: Second place team members from Piqua team #2 are (from left): Justin Foutz, Kevin Grinstead and Randy Carnahan.



Overall – Team: Third place team members from Piqua team #1 are (from left): Kyle Brandewie, Jim Bogess and Jerry Perkins.

Efficiency Smart welcomes Woodel as new director

By Steven Nyeste – communications project manager, Efficiency Smart

Efficiency Smart is proud to announce the recent hiring of Everett Woodel, Jr. as its new director. Woodel's first day was Aug. 15, as David Cawley has transitioned to a business development role with Efficiency Smart prior to his retirement in 2017.



Everett Woodel, Jr.

As Efficiency Smart's director, Woodel is responsible for executive management, leadership and oversight of all activities related to Efficiency Smart. He is also tasked with ensuring that all participating communities' goals and objectives are met. Woodel will help guide the next phase of Efficiency Smart, as it moves toward additional performance-based and on-demand service offerings in the future.

Woodel joins Efficiency Smart with extensive leadership experience in government and public service, as well as business development experience working for a civil engineering firm. He has performed numerous public sector roles including serving as communications director and district director for Ohio congressional representatives. He also served as chief operating officer for the Ohio Industrial Commission and director of public affairs for the Office of the Treasurer for the State of Ohio. Woodel holds an M.B.A. from Ohio University and a bachelor's degree in education and political science from Bowling Green State University. He is also a U.S. Army veteran.

To ensure a smooth transition, Cawley will serve as a mentor to Woodel, working closely with him over the next few months to help him learn more about Efficiency Smart's operations and participating communities. Woodel will be attending the upcoming AMP/OMEA Conference in September, where he looks forward to meeting many AMP Members.

Efficiency Smart provides many energy efficiency service options to subscribing AMP member communities. For information about Efficiency Smart, call 877.889.3777 or visit www.energysmart.org.

Painesville mourns the loss of former city manager

Lester Nero Jr., 79, passed away on Aug. 28. Nero was an OMEA Honorary Member and served as Painesville city manager from about 1973 to 1998. Described by colleagues as "even-keeled," he was a pillar in the Painesville community, guiding the city through decades of transitions over the course of his tenure.

Nero was a veteran of the U.S. Navy and served on the USS Neptune in Norfolk, Virginia. He was a 1955 alumnus of Warren High School, and held degrees from Beloit College in Wisconsin, University of Massachusetts and Penn State Harrisburg.

AMP offers its sincere condolences to Les' family and the Painesville community.

Legislative Update addresses issues facing public power

Legislative issues at the Ohio Statehouse and their impacts on public power will be the focus of the Ohio Legislative Update morning session on Sept. 28 at the AMP/OMEA Conference.

During the session, Keith Brooks of Capitol Advocates and Michael Beirne, AMP's vice president of external affairs, will discuss legislative issues that affect the energy industry and public power at large, including energy policy, tax issues and local control. Following the Ohio Legislative Update, the OMEA will hold its annual General Membership Meeting (open only to members, voting delegates and invited guests).

The legislative update is scheduled for 10 to 10:30 a.m., followed by the OMEA General Membership Meeting from 10:30 to 11 a.m. The Ohio Legislative Update session has been approved by the Ohio Supreme Court for Continuing Legal Education (CLE) credit.

Classifieds

Bucket truck for sale in Minster

The Village of Minster is selling a 2005 International 4400 Conventional Cab, 7.6L L6 diesel bucket truck. The truck has approximately 24,000 miles on the odometer and 4,400 hours logged.

Unit is being sold as is and where is. Minimum acceptable price is \$65,000. Additional information can be obtained on the [Member Extranet](#) or by contacting the John Neuman, electrical superintendent, at 419.305.2971.

Management analyst needed

The City of Columbus Department of Public Utilities (DPU) is seeking qualified candidates for the position of Management Analyst II to work in the Division of Power. The responsibilities of this position will be to serve as a subject matter expert on complex customer issues, asset management, billing resolution, and customer development and marketing. Candidates who possess experience with ArcGIS and Crystal Reports are encouraged to apply.

To qualify, candidate must have a bachelor's degree and four years of professional experience researching, analyzing, and making recommendations or providing consultation to management on matters pertaining to public or business administration. A master's degree may be substituted for one year of experience. Salary: \$57,657 - \$86,466.

If interested, please submit an application to the Civil Service Commission by applying [online](#) by Sept. 7. Please attach a resume to the application. Resumes may also be emailed to DPURecruitment@columbus.gov. For those who prefer to submit a paper application, please mail it to Nikole Pettus, 910 Dublin Road, Columbus, OH 43215. A pre-employment medical/drug screen and background investigation are required if selected. EOE.

2016 AMP LINEWORKERS RODEO

