# July 2017

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	Offices Closed 4 <sup>th</sup> of July	7:00 pm City Council	6	7	8
9	6:30 pm Electric Committee & BOPA	<b>11 4:30 pm</b> – Special Civil	12	13	14	15
	7:00 pm Water & Sewer Committee	Service Commission Meeting 6:30 pm - Ad-hoc				
	<b>7:30 pm</b> Municipal Properties, Bldg., ED	Committee on Council Rules Council Rules				
16	17	18	19	20	21	22
	6:00 pm Parks Rec Comm					
	6:00 pm Tree Comm.					
	<b>6:15 pm</b> Ad-Hoc Comm Organizational Health					
	7:00 pm City Council					
23	24 6:30 pm Finance &	25	26	27	28	29
	Budget Committee	<b>4:30 pm</b> Civil	<b>6:30 pm</b> Parks & Rec			
	7:30 pm Safety & Human Resources Committee	Service Commission	Board			
30	31					

# City of Napoleon, Ohio

# **ELECTRIC COMMITTEE**

Meeting Agenda

Monday, July 10, 2017 at 6:30 pm

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

- 1) Approval of the Minutes from June 12, 2017 (In the absence of any objections or corrections, the Minutes shall stand approved).
- Review/Approval of the Power Supply Cost Adjustment Factor for July, 2017: PSCAF – three (3) month averaged factor \$0.01121
   JV2 \$0.022048
   JV5 \$0.022048
- 3) Electric Department Reports.
- 4) Review of Current Pole Attachment License Agreement between the City of Napoleon, Ohio and RTEC Communications, Inc.
- 5) Any other matters to come before the Board.
- 6) Adjournment.

Gregory I Heath

Finance Director/Clerk of Council

### City of Napoleon, Ohio

# **ELECTRIC COMMITTEE**

# **Meeting Minutes** Monday, June 12, 2017 at 6:30 pm

D	R	F	(F	N	т
_	и		эL		

**Committee Members Board of Public Affairs** 

City Staff

Dan Baer- Acting Chair, Lori Siclair, Jeff Comadoll (pro-tem)

Mike DeWit-Chair, Dr. David Cordes, Nick Frysinger Greg Heath, Finance Director/Clerk of Council

Joel Mazur, City Manager

Dennie Clapp, Electric Distribution Superintendent

Roxanne Dietrich

Recorder Others **ABSENT** 

Committee Member

**Travis Sheaffer** 

**Call to Order** 

Acting Chair Baer called the Electric Committee meeting to order at 6:31 pm.

Approval of May 08, 2017 **Meeting Minutes** 

Hearing no corrections or objections, the meeting minutes of May 08, 2017

stand approved.

**Motion to Approve BOPA Recommendation for** June 2017 PSCAF

Motion: Comadoll

Second: Siclair

to approve the Board of Public Affairs' recommendation to approve the PSCAF for June 2017 as: PSCAF three (3) month averaged factor \$0.00929,

JV2 \$0.029512, JV5 \$0.029512.

**Passed** Yea-3

Nay-0

Roll call vote on the above motion:

Yea-Baer, Siclair, Comadoll

Nay-

**Discussion on Amendment** to JV 2 Lease Agreement

Mazur said the JV2 gas turbine project was formed in 2000. In September of 2015, it was voted to approve retrofitting the three diesel units with catalytic convertors to be in compliance with the EPA regulations which extended the life term of the lease agreement until 2023.

**Motion to Approve Amendment to JV Lease Agreement** 

Motion: Comadoll Second: Siclair

to approve the Board of Public Affairs' recommendation to approve the

amendment to the JV2 Lease Agreement.

**Passed** Roll call vote on the above motion:

Yea-3 Yea-Baer, Siclair, Comadoll

Nay-0 Nay-

**Update on JV5 Diesel Generator Units** 

Mazur said JV5 is the Bellevue Hydro project that was formed in 1993. These are the units that are costly to get in compliance, AMP is looking to reuse the housings and replace the diesel units with natural gas. Right now they are doing research on starting a whole new project with just peaking gas units. The board discussed the option of offering the host communities the possibility to buy the units at \$40,000 each less the cost of the environmental cleanup. We do not need any units, they would not be a benefit to us and would be a risky expense.

#### **Electric Department Report**

Dennie Clapp, Electric Distribution Superintendent, passed out the Electric Department Reports for May, 2017.

#### **Other Matters**

Baer thanked Dennie for taking the time to show him around the Electric Department and for the Electric Department's efforts on Thursday at Kidz Fest and also for helping with the setup at the Civic Center's garage sale. Clapp replied we were out of temporary poles and made a call to Brett Speiser who took care of it for me.

Motion to Adjourn Electric Committee Meeting Motion: Comadoll Second: Siclair To adjourn the Electric Committee meeting at 6:48 pm.

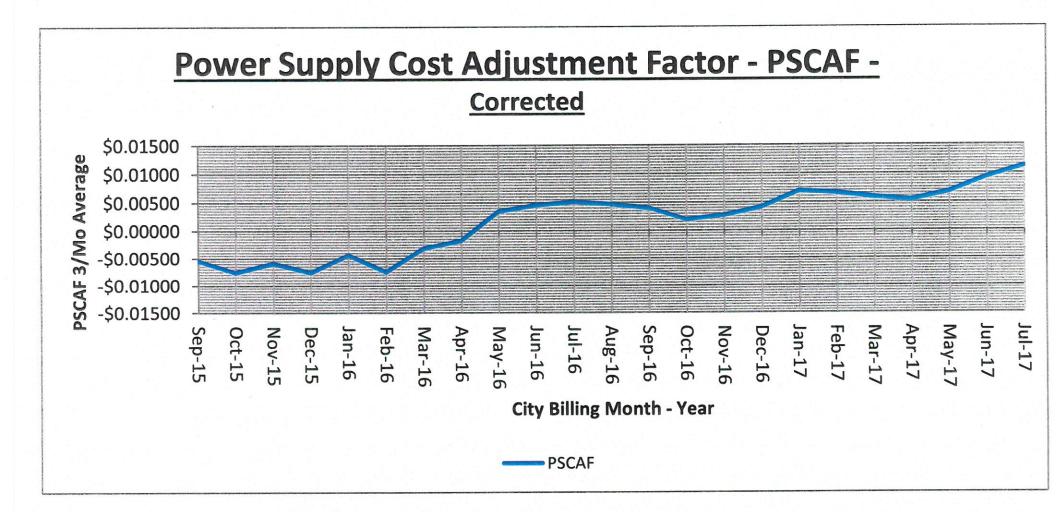
Passed Yea-3 Nay-0 Roll call vote on the above motion: Yea- Baer, Siclair, Comadoll Nay-

# **Approved**

July 10, 2017

Dan Baer, Acting Chair

							of Napoleon,							
		<b>POWER SU</b>	IPP	LY COST AD	JUSTMENT F	A	CTOR (PSCA	F)	- COMPUT	A	TION OF MO	NTHLY PSO	AF	
				ATIONS WITH										
AMP	PSCAF	AMP - kWh	_	ırchased Power					Rolling		Less: Fixed	PSCA	PSCA-Co	orrt
Billed	City	Delivered	_	Supply Costs	Rolling 3-N	-	The second secon		3 Month		Base Power	Dollar	3 MON	
Usage	Billing	As Listed on		=Net of Known)	Current + P	ric			Average		Supply	Difference	AVG.FAC	OTC
Month	Month	AMP Invoices	(+	OR - Other Cr's)	kWh		Cost		Cost		Cost	+ or (-)	+ Line Lo	oss
(a)	(b)	(c)		(d)	(e)	_	(f)		(g)		(h)	(i)	(j)	
		Actual Billed	Act	ual Billed w/Cr's	c + prior 2 Mo		d + prior 2 Mo		f/e	\$0	0.07194 Fixed	g + h	i X 1.0	75
Jan '16	Mar '16	14,813,772	\$	1,060,489.73	41,508,827	\$	2,863,552.86	\$	0.06899	\$	(0.07194)\$	(0.00295)	\$ (0.00	317
Feb '16	Apr '16		\$	1,012,584.64	41,782,091				0.07029	7	(0.07194) \$	(0.00165)		
Mar '16	May '16		\$	1,017,837.14	41,122,559				0.07516		(0.07194) \$			
Apr '16	June '16		\$	897,981.75	38,441,762				0.07618		(0.07194) \$	0.00424		
May '16	July '16		\$	976,900.73	37,711,275		I		0.07671		(0.07194) \$	0.00477		
June '16	Aug '16		\$	1,068,079.71	38,575,998				0.07629		(0.07194) \$	0.00435	ON THE REAL PROPERTY.	
July '16	Sep '16	14,844,510	*\$	1,080,619.47	41,287,533	\$			0.07570		(0.07194) \$	0.00376		
Aug '16	Oct '16	16,864,052	\$	1,210,058.88	45,548,332	\$			0.07374	\$	(0.07194)\$	0.00180		
Sep '16	Nov '16	13,547,772	\$	1,079,259.61	45,256,334				0.07446	200	(0.07194)\$	0.00252		
Oct '16	Dec '16	12,402,405	\$	955,761.68	42,814,229	\$	3,245,080.17	\$	0.07579		(0.07194)\$	0.00385		
Nov '16	Jan '17	12,220,092	\$	956,580.93	38,170,269	\$	2,991,602.22	\$	0.07838	\$	(0.07194)\$	0.00644		
Dec '16	Feb '17	13,827,811	\$	1,089,497.78	38,450,308	\$	3,001,840.39	\$	0.07807	\$	(0.07194)\$	0.00613		
Jan'17	Mar '17	13,656,702	*\$	1,025,645.91	39,704,605	\$	3,071,724.62	\$	0.07736	\$	(0.07194)\$	0.00542	\$ 0.00	058
Feb'17	Apr '17	11,866,614	*\$	912,320.61	39,351,127	\$	3,027,464.30	\$	0.07693	\$	(0.07194)\$	0.00499	\$ 0.00	053
Mar'17	May '17	12,936,492	\$	1,069,577.85	38,459,808	\$	3,007,544.37	\$	0.07820	\$	(0.07194)\$	0.00626	\$ 0.00	067
Apr'17	June '17	11,497,068	\$	943,085.70	36,300,174	\$	2,924,984.16	\$	0.08058	\$	(0.07194)\$	0.00864	\$ 0.00	092
May'17	July '17	12,213,395	\$	1,006,024.23	36,646,955	\$	3,018,687.78	\$	0.08237	\$	(0.07194) \$	0.01043	\$ 0.0	112
						(								No. of Concession, Name of Street, or other teams, and the street, and the str
* Other (-)	Credits / (+	) Debits Include	ed i	n Purchased Pov	ver Costs, Not Li	st	ed on AMP Billin	ıgs	:					
PSCAF - F	Preparers S	Signature:							PSCAF - Rev	/io	wers Signature			
Name -		Heath, Financ	e D	irector					Name -		ori A. Rausch, U		ministrator	
1	1	11 11						1	V	1	0	,		
	on 1.	teath		6/22/2017					Don	9	Kausch		6/22/2	201
Signature	01			Date					Signature			li de la constante de la const	Date	е



<b>BILLING SUMMARY AND CONS</b>	UMPTION f	or BILLING	CYCLE -	JULY, 2017	7				
2017 - JULY BILLING WITH JUNE 2017 DATA BI	LLING UNITS						- 0		
PREVIOUS MONTH'S POWER BILLS - PU	RCHASED PO	<b>WER KWH AN</b>	D COST ALLO	CATIONS BY	DEMAND & EN	ERGY:			
DATA PERIOD			MUNICIPAL PEAK						
AMP-Ohio Bill Month	MAY, 2017	31	25.103						
City-System Data Month	JUNE, 2017	30							
City-Monthly Billing Cycle	JULY, 2017	31							
		==CONTRACTE	AND OPEN MAR	RKET POWER==		==PEAKING==			YDRO POWER
		FREEMONT	PRAIRIE STATE			JV-2		MELDAHL-HYDRO	
PURCHASED POWER-RESOURCES -> (	AMP CT	ENERGY	SCHED. @ PJMC &			PEAKING	CSW	SCHED. @	SCHED. @
	SCHED. @ ATSI	SCHEDULED	REPLMT@ PJMC		POOL		SCHED. @ PJMC		
Delivered kWh (On Peak) ->	19,368	1,822,484		2,827,200	715,019			178,900	63,10
Delivered kWh (Off Peak) ->		1,022,101	0,100,201	2,027,200	268,046		730,304	170,900	03,10
Delivered kWh (Replacement/Losses/Offset) ->					200,040				
Delivered kWh/Sale (Credits) ->					-1,028,363				
	******************				1,020,000		***************************************	***************************************	
Net Total Delivered kWh as Billed ->	19,368	1,822,484	3,405,284	2,827,200	-45,298	47	736,584	178,900	63,10
Percent % of Total Power Purchased->	0.1586%	14.9220%	27.8816%	23.1484%	-0.3709%	0.0004%			
	0.700070	14.522070	27.007070	23.140470	-0.370376	0.000478	0.0310%	1.4648%	0.5167%
COST OF PURCHASED POWER:									
DEMAND CHARGES (+Debits)									
Demand Charges	\$31,620.00	\$34,749.14	\$56,868.27			\$667.92	\$7,614.20	\$2,131.92	\$2,346.3
Debt Services (Principal & Interest)		\$44,291.71				4007,02	\$135,035.58	\$17,544.24	\$5,646.3
		• • • • • • • • • • • • • • • • • • • •	\$00,220.00				Ψ100,030.00	\$17,044.24	φ3,040.30
DEMAND CHARGES (-Credits)									
Transmission Charges (Demand-Credits)	-\$31,299.29					-\$881.46			
Capacity Credit	-\$62,412.87	-\$33,738.40	-\$15,041.17			-\$1,487.38		£4.700.74	6000 0
Capacity Great	-\$02,412.07	-\$33,730.40	-\$15,041.17	***************************************	***************************************	-\$1,487.38	-\$2,889.75	-\$1,708.74	-\$882.9
Sub-Total Demand Charges	-\$62,092.16	\$45,302.45	\$141,055.95	\$0.00	\$0.00	-\$1,700.92	\$139,760.03	\$17,967.42	\$7,109.6
ENERGY CHARGES (+Debits):							-		
Energy Charges - (On Peak)	\$1,753.76	\$55,764.53	\$30,891.66	\$177,972.24	\$29,355.99	\$1.58	\$837.81	\$9.35	\$28.6
Energy Charges - (Replacement/Off Peak)		V0011 0 1100	400,001100	V111,012.21	\$7,855.75		Ψ007.01	Ψ3.00	Ψ20.0
Net Congestion, Losses, FTR		\$4,490.79	\$9,066.47	\$1,171.41	\$1,000.70		\$1,968.68	\$269.12	\$41.8
Transmission Charges (Energy-Debits)		ψ1,100.10	\$57,167.63	\$1,171.41			ψ1,300.00	Ψ203.12	\$41.0
ESPP Charges			Φ07,107.00						
Bill Adjustments (General & Rate Levelization)		-\$330.77	-\$14,945.59			\$7.85	-\$35,833.57	-\$3,163.85	-\$2,905.4
ENERGY CHARGES (-Credits or Adjustments):									
Energy Charges - On Peak (Sale or Rate Stabilization)			-		-\$30,303.10	-			
Net Congestion, Losses, FTR			-		-\$30,303.10	,			
Bill Adjustments (General & Rate Levelization)					<del> </del>	<u> </u>	£4 470 47	6257.00	£400.0
Dill Adjustificitis (General & Nate Levelization)	***************			*****************			-\$1,473.17	-\$357.80	-\$126.2
Sub-Total Energy Charges	\$1,753.76	\$59,924.55	\$82,180.17	\$179,143.65	\$6,908.64	\$9.43	-\$34,500.25	-\$3,243.18	-\$2,961.1
TRANSMISSION & SERVICE CHARGES, MISC.:									
RPM / PJM Charges Capacity - (+Debit)			+		<del> </del>		1		
							-		
RPM / PJM Charges Capacity - (-Credit) Service Fees AMP-Dispatch Center - (+Debit/-Credit)							-		
			-						
Service Fees AMP-Part A - (+Debit/-Credit)							1		
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	\$0.0
	-\$60,338.40	\$105,227.00	\$223,236.12	\$179,143.65	\$6,908.64	-\$1,691.49	\$105,259.78	\$14,724.24	
TOTAL - ALL COSTS OF PURCHASED POWER	-\$00,338.40	7.00,000	, , , , , , , , , , , , , , , , , , , ,	-					
TOTAL - ALL COSTS OF PURCHASED POWER  Purchased Power Resources - Cost per kWH->	-\$3.115366			\$0.063364		-\$35.989149	\$0.142903	\$0.082304	\$0.06574

BILLING SUMMARY AND CONS									THE STATE OF THE S
2017 - JULY BILLING WITH JUNE 2017 DATA B									
PREVIOUS MONTH'S POWER BILLS - PU						The state of the s			
DATA PERIOD									
AMP-Ohio Bill Month									
City-System Data Month								3	
City-Monthly Billing Cycle									
			====WIND====	===SOLAR===	===TRANSMISS	ION, SERVICE F	EES & MISC. CO	NTRACTS===	
(	NYPA	JV-5	JV-6		The second secon		SERVICE FEES		TOTAL -
PURCHASED POWER-RESOURCES -> (	HYDRO	HYDRO	WIND	PHASE 1	POWER PLANT	CHARGES	DISPATCH, A & B		ALL
1	SCHED. @ NYIS	7x24 @ ATSI	SCHED. @ ATSI	SCHED. @ ATSI	2014 - 2017	Other Charges	Other Charges	LEVELIZATION	RESOURCES
Delivered kWh (On Peak) ->	653,996	2,297,472	58,148	162,486	0	0	0	0	12,940,090
Delivered kWh (Off Peak) ->									268,046
Delivered kWh (Replacement/Losses/Offset) ->		33,622							33,622
Delivered kWh/Sale (Credits) ->									-1,028,363
									***************************************
Net Total Delivered kWh as Billed ->	653,996	2,331,094	58,148	162,486	0	0	0	0	12,213,395
Percent % of Total Power Purchased->	5.3547%	19.0864%	0.4761%	1.3304%	0.0000%	0.0000%	0.0000%	0.0000%	100.0002%
								Verification Total - >	100.0000%
COST OF PURCHASED POWER:									
DEMAND CHARGES (+Debits)									
Demand Charges	\$5,969.74	\$39,094.09	\$1,545.40			\$125,946.80			\$308,553.78
Debt Services (Principal & Interest)		\$55,367.84							\$357,114.52
DEMAND CHARGES (-Credits)									
Transmission Charges (Demand-Credits)		-\$12,166.03	-\$76.50						-\$44,423.28
Capacity Credit	-\$4,412.61	-\$14,514.20	-\$106.71						-\$137,194.78
osposity or our					***************************************	***************************************			
Sub-Total Demand Charges	\$1,557.13	\$67,781.70	\$1,362.19	\$0.00	\$0.00	\$125,946.80	\$0.00	\$0.00	\$484,050.24
ENERGY CHARGES (+Debits):		0.40.000.00				\$7,943.75			\$368,873.93
Energy Charges - (On Peak)	\$7,851.67	\$42,326.66		\$14,136.27		\$7,943.73			\$7,855.7
Energy Charges - (Replacement/Off Peak)	04 000 00			·r					\$18,340.8
Net Congestion, Losses, FTR	\$1,332.60								\$57,167.6
Transmission Charges (Energy-Debits)					C40 454 40				\$18,154.40
ESPP Charges					\$18,154.46			-\$10,000.00	-\$67,171.3
Bill Adjustments (General & Rate Levelization)								-\$10,000.00	-\$67,171.3
ENERGY CHARGES (-Credits or Adjustments):									
Energy Charges - On Peak (Sale or Rate Stabilization)									-\$30,303.10
Net Congestion, Losses, FTR									\$0.0
Bill Adjustments (General & Rate Levelization)	-\$4,608.49							\$0.00	-\$6,565.60
Sub-Total Energy Charges	\$4,575.78	\$42,326.66	\$0.00	\$14,136.27	\$18,154.46	\$7,943.75	\$0.00	-\$10,000.00	\$366,352.5
	ψ+,010.10	ψ72,320.00	φυ.υυ	ψ.Ψ,100.Z1	\$10,104.40	\$1,040110	77.00		
TRANSMISSION & SERVICE CHARGES, MISC.:									A448 800 0
RPM / PJM Charges Capacity - (+Debit)						\$145,563.01			\$145,563.0
RPM / PJM Charges Capacity - (-Credit)									\$0.0
Service Fees AMP-Dispatch Center - (+Debit/-Credit)							\$0.00		\$0.0
Service Fees AMP-Part A - (+Debit/-Credit)							\$2,969.55		\$2,969.5
Service Fees AMP-Part B - (+Debit/-Credit)			_				\$7,088.92		\$7,088.9
Other Charges & Bill Adjustments - (+Debit/-Credit)									\$0.0
Sub-Total Service Fees & Other Charges	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$145,563.01	\$10,058.47	\$0.00	\$155,621.4
TOTAL - ALL COSTS OF PURCHASED POWER	\$6,132.91	\$110,108.36	\$1,362.19	\$14,136.27	\$18,154.46	\$279,453.56	\$10,058.47	-\$10,000.00	\$1,006,024.2
								Verification Total - >	\$1,006,024.2
Purchased Power Resources - Cost per kWH->	\$0.009378	\$0.047235	\$0.023426	\$0.087000	\$0.000000	\$0.000000	\$0.000000	\$0.000000	\$0.08237
Sindous i orio i roccarico o occipio neri	7					ak - Energy Charge	e/kWH) = JV2 Electi	ric Service Rate - >	-\$0.02204
	+		(1)		On-Peak + Off-Pea	. = 0	# 14(1) P (F F) /	. O D	-\$0.02204



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:

198304

INVOICE DATE:

6/15/2017

DUE DATE:

6/30/2017

TOTAL AMOUNT DUE:

\$867,014.47

CUSTOMER NUMBER:

5020

CUSTOMER P.O. #:

RG10046

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

Northern Power Pool Billing - May, 2017

MUNICIPAL PEAK: TOTAL METERED ENERGY: 25,103 kW

12,222,277 kWh

Total Power Charges:

\$587,502.44 \$279,453.56

Total Transmission Charges:

\$10.058.47

Total Other Charges:

2000

Total Miscellaneous Charges:

-\$10,000.00

**GRAND TOTAL POWER INVOICE:** 

\$867,014.47

FOR THE MONTH OF:	May, 2017		Total Metered Load kWh: Transmission Losses kWh: Distribution Losses kWh:	12,222,27
			Total Energy Req. kWh:	12,213,39
TIME OF FENTS PEAK:	05/18/2017 @ H.E. 15:00		COINCIDENT PEAK kW:	23,82
TIME OF MUNICIPAL PEAK:	05/18/2017 @ H.E. 14:00		MUNICIPAL PEAK KW:	25,10
TRANSMISSION PEAK:	August, 2016		TRANSMISSION PEAK kW: PJM Capacity Requirement kW:	31,96 29,7
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
apoleon Resources				
MP CT - Sched @ ATSI Demand Charge:	\$2,550000	/ kW *	12,400 kW =	\$31,620.0
Energy Charge:	\$0.090550	/kWh*	19,368 kWh =	\$1,753.1 -\$31,299.1
Transmission Credit:	\$2.524136 \$5.033296	/ kW *	-12,400 kW = -12,400 kW =	-\$62,412.
Capacity Credit: Subtotal	-\$3.115391	/ kWh *	19,368 kWh =	-\$60,338.
emont - sched @ Fremont	20.000000	(130/ 1	8,767 kW =	\$34,749.
Demand Charge:	\$3,963630 \$0.030598	/ kW * / kWh *	1,822,484 kWh =	\$55,764.
Energy Charge: Net Congestion, Losses, FTR:	\$0.002464	/ kWh *		\$4,490.
Capacity Credit:	\$3.848340	/ kW *	-8,767 kW =	-\$33,738
Debt Service	\$5.052094	/ kW	8,767 kW	\$44,291 -\$330
Adjustment for prior month:	\$0.057738	/ kWh *	1,822,484 kWh =	\$105,227.
Subtotal  AP Hydro CSW - Sched @ PJMC	40.001100			
Demand Charge:	\$3.429998	/ kW *	2,220 kW =	\$7,614 \$837
Energy Charge:	\$0.001137	/ kWh * / kWh *	736,584 kWh =	\$837 \$1,968
Net Congestion, Losses, FTR:	\$0.002673 \$1.301757	/ kW *	-2,220 kW =	-\$2,889
Capacity Credit: Debt Service	\$60.830000	/ kW	2,220 kW	\$135,035
Board Approved Rate Levelization				-\$35,833
REC Credit (Estimate)	60.442002	/ kWh *	736,584 kWh =	-\$1,473 <b>\$105,259</b>
Subtotal	\$0.142903	/ KVVII	730,304 8411	¥123,233
eldahl Hydro - Sched @ Meldahl Bus Demand Charge:	\$4.230000	/ kW *	504 kW =	\$2,131
Energy Charge:	\$0.000052	/kWh *	178,900 kWh =	\$9 \$269
Net Congestion, Losses, FTR:	\$0.001504	/ kWh =	-504 kW =	-\$1,708
Capacity Credit:	\$3.390357 \$34.810000	/ kW *	504 kW	\$17,544
Debt Service Board Approved Rate Levelization	\$34.010000	,		-\$3,163
REC Credit (Estimate)			470 000 11415	-\$357 \$14,724
Subtotal	\$0.082304	/ kWh *	178,900 kWh =	\$14,724
6 - Sched @ ATSI Demand Charge:			300 kW	
Energy Charge:			58,148 kWh	
Transmission Credit:	\$0.255000	/ kW *	-300 kW =	-\$76 -\$106
Capacity Credit:	\$0.355700 - <b>\$0.003151</b>	/ kW *	-300 kW = 58,148 kWh =	-\$183
Subtotal reenup Hydro - Sched @ Greenup Bus	-30.003131	7 K****		
Demand Charge:	\$7.110000	/ kW *	330 kW =	\$2,346 \$28
Energy Charge:	\$0.000454	/ kWh *	63,102 kWh =	\$4
Net Congestion, Losses, FTR:	\$0.000663 \$2.675606	/ kWh * / kW *	-330 kW =	-\$883
Capacity Credit: Debt Service	\$17.110000	/ kW	330 kW	\$5,646
Board Approved Rate Levelization				-\$2,905
REC Credit (Estimate)	£0.055742	/ kWh *	63,102 kWh =	-\$126 \$4,148
Subtotal	\$0.065743	/ KVVII	00,102 KW	
rairie State - Sched @ PJMC Demand Charge:	\$11.428511	/ kW *	4,976 kW =	\$56,868
Energy Charge:	\$0.009072	/kWh *	3,405,284 kWh =	\$30,89° \$9,066
Net Congestion, Losses, FTR:	\$0.002662	/ kWh * / kW *	-4.976 kW =	-\$15,04
Capacity Credit:	\$3.022743 \$19.941489	/ kW	4.976 kW	\$99,228
Debt Service Transmission from PSEC to PJM/MISO, including non-Prairie State				
variable charges/credits	\$0.016788	/ kWh	3,405,284 kWh	\$57,167 -\$14,945
Board Approved Rate Levelization	\$0.065556	/ kWh *	3,405,284 kWh =	\$223,230
Subtotal  YPA - Sched @ NYIS	\$0.065550	7 KVVII	0,100,201 11111	
Demand Charge:	\$6.364328	/ kW *	938 kW =	\$5,96
Energy Charge:	\$0.012006	/ kWh *	653,996 kWh =	\$7,85 \$1,33
Net Congestion, Losses, FTR:	\$0.002038 \$4.664493	/ kWh * / kW *	-946 kW =	-\$4.41
Capacity Credit: Adjustment for prior month:	ψ4.004493			-\$4,60
Subtotal	\$0.009378	/ kWh *	653,996 kWh =	\$6,13
V5 - 7X24 @ ATSI			3,088 kW	
Demand Charge:			2,297,472 kWh	
Energy Charge: Transmission Credit:	\$3.939777	/ kW *	-3,088 kW =	-\$12,16
Capacity Credit:	\$4.700194	/ kW *	-3,088 kW =	-\$14,51 - <b>\$26,68</b>
Subtotal	-\$0.011613	/ kWh *	2,297,472 kWh =	-\$20,00

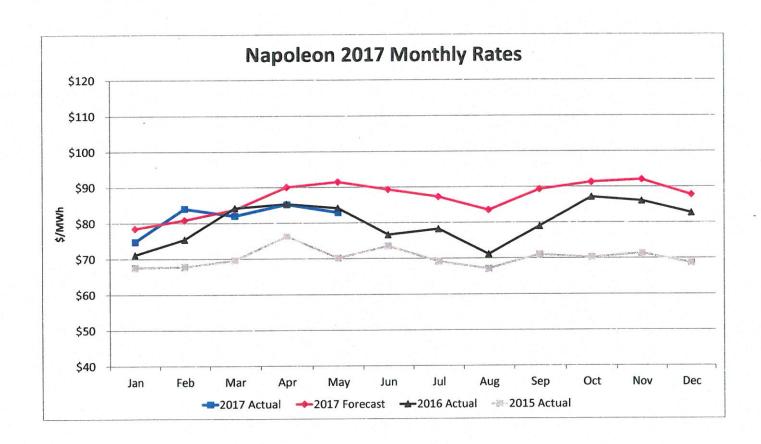
### DETAIL INFORMATION OF POWER CHARGES May, 2017

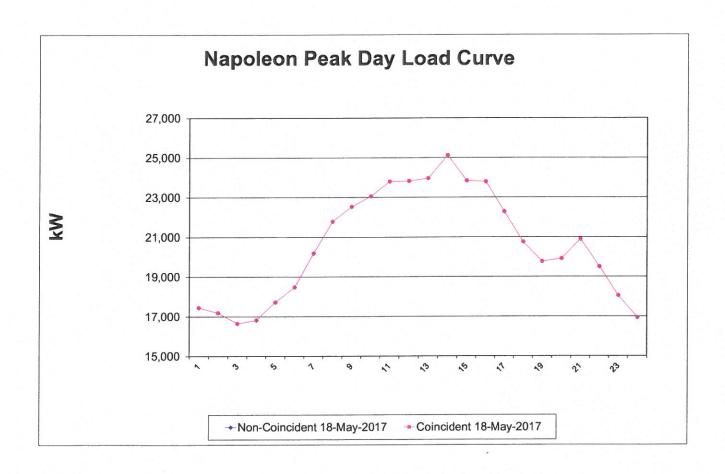
#### Napoleon

Subtotal	#N/A	/ kWh *	33,622 kWh =	\$0.00
JV2 - Sched @ ATSI			264 kW	
Demand Charge:				\$1.58
Energy Charge:	\$0.033964	/kWh *	47 kWh =	-\$881.46
Transmission Credit:	\$3.338864	/ kW *	-264 kW =	-\$1,487.38
Capacity Credit:	\$5.634015	/ kW *	-264 kW =	-\$1,467.36
Subtotal	-\$50.887302	/ kWh *	47 kWh =	-\$2,301.20
AMP Solar Phase I - Sched @ ATSI			1.040 kW	
Demand Charge:			162.486 kWh =	\$14,136,27
Energy Charge:	\$0.087000	/kWh *	162,486 kWh =	\$14,136,27
Subtotal	\$0.087000	/ kWh *	102,400 KWII -	074,100121
Morgan Stanley 2015-2020 - 7x24 @ AD			3,800 kW	
Demand Charge:	** ******	/kWh *	2.827.200 kWh =	\$177,972.24
Energy Charge:	\$0.062950	/kWh *	2,027,200 KWW	\$1,171.41
Net Congestion, Losses, FTR:	\$0.000414	/ kWh *	2.827.200 kWh =	\$179,143.65
Subtotal	\$0.063364	/ KVVN	2,021,200 KWIII -	•
Efficiency Smart Power Plant 2017-2020				
21.100 (00.00 7.100) 170				\$18,154.46
ESPP 2017-2020 obligation @ \$1.400 /MWh x 155,609.7 MWh / 12	#N/A	/ kWh *	0 kWh =	\$18,154.46
Subtotal	#IN/A	7 84411		
Northern Power Pool:				400 055 00
On Peak Energy Charge: (M-F HE 08-23 EDT)	\$0.041056	/kWh *	715,019 kWh =	\$29,355.99
Off Peak Energy Charge:	\$0.029307	/kWh *	268,046 kWh =	\$7,855.75
Sale of Excess Non-Pool Resources to Pool	\$0.029467	/kWh *	-1,028,362 kWh =	-\$30,303.10
Subtotal	-\$0.152519	/ kWh *	-45,297 kWh =	\$6,908.64
Total Demand Charges:				\$261,428.19
Total Energy Charges:				\$326,074.25 \$587,502.44
Total Power Charges:			12,213,395 kWh	\$307,302.44
TRANSMISSION CHARGES:	\$3.939777	/ kW *	31.968 kW =	\$125,946.80
Demand Charge:	\$0.000801	/kWh *	9.915,923 kWh =	\$7,943.75
Energy Charge:	\$4.899000	/kW *	29,713 kW =	\$145,563.01
RPM (Capacity) Charges:	\$0.028182	/ kWh *	9.915,923 kWh =	\$279,453.56
TOTAL TRANSMISSION CHARGES:	30.020102	7 88711	-1	
Service Fee Part A.				\$2.969.55
Based on Annual Municipal Sales	\$0.000229	/kWh *	155,609,698 kWh 1/12 =	\$2,303.33
Service Fee Part B.				\$7,088.92
Energy Purchases	\$0.000580	/kWh *	12,222,277 kWh =	\$7,000.92
				\$10,058.47
TOTAL OTHER CHARGES:				
MISCELLANEOUS CHARGES:				-\$10,000.00
Deposit / (Withdraw) from RSF account				-\$10,000.00
TOTAL MISCELLANEOUS CHARGES:				<b>4.0,000100</b>
				\$867,014.47

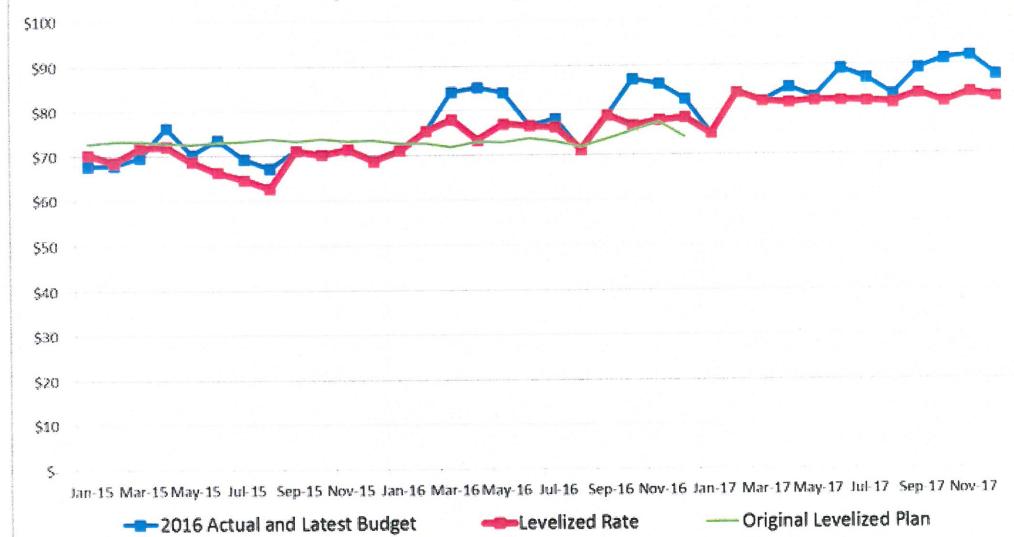
Napoleon	Capacity Plan - Actual			25.10	MW	STEELS-		Hara Halland					NEW TE
May	2017	ACTUAL DEMAND =			MWH								
Days	31	ACTUAL ENERGY		12,222	IMAALI	DEMAND	ENERGY	CONGESTIONAL	CAPACITY	TRANSMISSION		EFFECTIVE	%
		DEMAND	DEMAND	ENERGY	LOAD	RATE	RATE	OSSES	CREDIT RATE	CREDIT RATE	TOTAL	RATE	OF
	SOURCE	MW	MW-MO	MWH	FACTOR	\$KW	\$/MWH	\$/MWH	\$/KW	\$/KW	CHARGES	\$/MWH	DOLLARS
	(1)	(2)	(3)	(4)	(5)	(8)	(7)	(8)	(9)	(10)	(16)	(17)	(18)
	NYPA - Ohio	0.94	0.94	654	94%	\$6.36	\$4.96	\$2.04	-\$4.70	El Sale Co	\$6,133	\$9.38	0.6%
	JV5	3.09	3 09	2,297	100%	\$31.49	\$17.22	50.00	-\$4.70	-\$3.94	\$110,108	\$47.93	10.9%
	JV5 Losses	0.00	0.00	34	0%	10.00	20,00	\$5.00	\$20.00		\$0	Social	0.0%
4	JV6	0.30	0.30	58	26%	\$5.15		40.00	-\$0.26	-\$0.36	\$1,362	\$23.43	0.1%
5	AMP-Hydro	2 22	2 22	737	45%	\$48.12	-\$0.88	\$2.87	-\$1.30	\$ (2)	\$105,260	\$142.90	10.4%
A	Meldahi	0.50	0.50	179	48%	\$32.76	\$1.95	\$1.50	-\$3.39	\$5.0C	\$14,724	\$82.30	1.5%
7	Greenup	0.33	0.33	63	26%	\$15.42	-\$1.55	\$0.66	-\$2 68		\$4,148	\$65.74	0.4%
8	AFEC	8.77	8.77	1,822	28%	\$9.02	\$30.42	\$2.46	-\$3.85	5U 00	\$105,227	\$57.74	10.4%
	Prairie State	4.98	4.98	3,405	92%	\$28.37	\$25.86	\$2.66	-\$3.02	2000	\$223,236	\$65.56	22.0%
10	AMP Solar Phase I	1.04	1.04	162	21%	NE	\$87.00	\$4 (4)		25 22 E	\$14,136	\$87.00	1.4%
11	Morgan Stanley 2015-20 7x24	3.80	3.80	2,827	100%	10.00	\$62.95	\$0.41	\$0 th	\$1.00	\$179,144	\$63.36	17.7%
12	AMPCT	12.40	12.40	19	0%	\$2.55	\$90.55	30.9K	-\$5.03	-\$2.52	-\$60,338	-\$3,115.39	-6.0%
13	JV2	0.26	0.26	0	0%	\$2.56	\$33.98	20.00	-\$5.63	-\$3.34	-\$1,691	20.610	-0.2%
14	NPP Pool Purchases	0.00	0.00	983	0%	59,000	\$37.85	34.00	\$124	20.00	\$37,212	\$37.85	3.7%
15	NPP Pool Sales	0.00		-1,028	0%	450G	\$29.47	56,60	40.00	SE U.	-\$30,303	\$29.47	-3.0%
	POWER TOTAL	38.63	38,83	12,213	42%	1485,654	\$385,981	51.50	-\$137,165	\$44,453	5708,368	\$58.00	69.0%
16	Energy Efficiency	CONTROL OF THE PARTY OF THE PAR	Marin Street	0		42.00	- SAAN	CONTRACTOR AND ADDRESS			\$18,154	100	1.8%
17	Installed Capacity	29.71	29.71			\$4.90					\$145,583	\$11.91	14.4%
18	Transmission	31.97	31.97	9,918		\$3.94	\$0.80				\$133,891	\$10.95	13.2%
10	Service Fee B			12,222			\$0.58				\$7,089	\$0.58	0.7%
20	Dispatch Charge			12,222	THE REAL PROPERTY.	A SAN SAN	\$1937				\$0	70.07	0.0%
	OTHER TOTAL	CONTRACTOR OF THE PARTY OF THE			RECEIN	3271,540	<b>SEL 187</b>	The same of the sa			\$304.007	\$24,93	20.1%
GRAND TOTAL PU				12,213					The second second		\$1,013,055		
Delivered to membe		25.103	25 103	12,222	65%		The land of	and the second second			\$1,013,055	\$82.89	100.0%
-		DEMAND		ENERGY	L.F.		9,000				TOTAL \$	\$/MWh	Avg Tem
	2017 Forecast	24.55		12,696	70%	1					\$1,160,212	\$91.39	59.6
	2016 Actual	24.71		12,643	69%	1					\$1,083,979	\$84.16	60.0
	2015 Actual	24.75		12,796	69%	1					\$898,066	\$70.18	63.5
		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			1						Actual Temp		58.2

NAPOLEO											T	Eddani	Cabindani	C	Manday	
		Tuesday	Wednesday		Friday	Saturday	Sunday		Tuesday		Thursday	Friday 5/12/2017	Saturday 5/13/2017	Sunday 5/14/2017	Monday 5/15/2017	
Date	5/1/2017	5/2/2017	5/3/2017	5/4/2017	5/5/2017	5/6/2017	5/7/2017	5/8/2017	5/9/2017	5/10/2017	5/11/2017	5/12/2017	5/13/2017	5/14/2017	5/15/2017	
Hour				0.900				44.740	44.050	14,534	14,433	14,526	12,205	11,510	13,521	
100		15,004	15,592	14,877	16,329	13,829	12,728	14,749	14,858	14,502	14,490	14,431	11,889	11,348	13,745	
200		14,904	15,552	14,818	16,219	13,577	12,624	14,868	14,788		14,308	14,239	11,858	11,202	13,426	
300		14,784	15,415	14,466	18,004	13,359	12,652	14,829	14,579	14,294		14,503	12,236	11,220	13,898	
400		15,152	15,682	15,016	16,382	13,764	12,832	15,268	15,121	14,623	14,710	15,886		11,320	15,252	
500		16,270	16,953	16,215	17,261	14,138	12,994	16,766	16,296	15,864	15,682		12,721	11,200	15,976	
600	17,023	17,551	17,766	17,523	18,694	14,718	13,025	17,880	17,310	17,016	16,757	16,707				
700	18,424	18,648	18,633	18,375	19,928	15,274	13,566	18,931	18,265	17,658	17,888	17,807	13,338	11,623	17,482	
800	18,778	19,281	19,190	18,925	20,102	15,995	14,184	19,354	18,677	18,229	18,280	18,588	14,154	12,561	18,283	
900	19,020	19,511	19,100	19,292	20,287	16,172	14,583	19,416	19,027	18,240	18,631	18,748	14,632	13,088	18,624	
1000	19,072	19,476	18,799	19,605	20,666	16,244	14,625	19,262	18,924	18,453	18,722	18,582	14,561	13,351	18,912	
1100	18,934	19,516	18,909	19,520	20,658	15,807	14,535	19,052	18,548	18,353	18,306	18,481	14,324	13,688	18,678	
1200		19,583	18,827	19,812	20,597	14,988	14,478	19,000	18,464	18,316	18,189	18,272	14,045	13,571	18,742	
1300		18,908	18,561	19,933	20,548	14,932	14,312	18,790	18,022	18,114	17,968	18,008	13,969	13,718	18,861	
1400		19,075	18,135	19,666	20,069	14,525	13,906	18,364	17,797	18,107	18,114	17,575	13,713	13,604	18,877	
1500		18,802	17,356	19,723	19,401	14,437	13,499	17,661	17,350	17,578	17,505	17,035	13,876	13,620	18,550	
1600		18,704	17,296	19,857	19,234	14,417	14,058	17,517	17,588	17,355	17,172	16,927	13,673	13,938	18,546	
1700		18,414	16,762	19,716	18,695	14,332	13,937	16,887	16,810	16,612	16,753	16,167	13,567	14,158	18,209	
1800		18,219	16,811	19,429	18,201	14,158	14,100	16,804	16,420	16,534	16,566	15,814	13,614	14,099	18,187	
1900		18.315	18,945	18.995	17,823	14,059	14,250	16,833	16,361	16,530	16,288	15,402	13,503	14,207	17,745	
2000		18,635	17,732	19,730	18,025	14,387	14,777	17,185	16,945	17,164	17,072	15,460	13,788	14,605	17,867	
			17,732	19,265	18,309	15,112	15,749	17,605	17,194	17,341	17,335	16,322	14,474	15,402	18,103	
2100		18,418				14,518	14,978	16,619	16,062	16,190	16,508	15,337	13,808	14,653	16,882	
2200		17,230	16,832	18,326	17,311	13,696	14,739	15,946	15,117	15,414	15,619	13,873	12,891	14,113	15,924	
2300		16,235	15,870	17,591	15,438			15,380	14,812	15,057	15,230	12,785	12,223	13,918	15,219	
2400	15,676	15,911	15,418	17,166	14,329	13,162	14,920	15,300	14,012	10,007	10,200	12,100	12,220	10,010		
Total	415,516	426,526	415,993	437,841	425,981	349,600	336,031	414,926	405,335	402,078	402,526	391,473	321,780	315,715	409,487	
	Tuesday	Wodnesday	Thursday	Eriday	Sahurday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday
Data				Friday	Saturday 5/20/2017	Sunday 5/21/2017					Friday 5/26/2017			Monday 5/29/2017		Wednesday 5/31/2017
Date	Tuesday 5/16/2017	Wednesday 5/17/2017						Tuesday 5/23/2017	Wednesday 5/24/2017		Friday 5/26/2017	Saturday 5/27/2017	Sunday 5/28/2017			
Hour	5/18/2017	5/17/2017	5/18/2017	5/19/2017	5/20/2017	5/21/2017	5/22/2017	5/23/2017	5/24/2017	5/25/2017	5/28/2017	5/27/2017	5/28/2017	5/29/2017	5/30/2017	5/31/2017
Hour 100	5/16/2017	5/17/2017	5/18/2017 17,439	5/19/2017	5/20/2017	5/21/2017	5/22/2017	5/23/2017 14,830	5/24/2017 15,175	5/25/2017 15,206	5/28/2017 14,517	5/27/2017	5/28/2017	5/29/2017	5/30/2017	5/31/2017
Hour 100 200	5/16/2017 14,643 14,463	5/17/2017 18,600 18,218	5/18/2017 17,439 17,183	5/19/2017 16,148 15,683	5/20/2017 12,243 11,983	5/21/2017 12,039 11,762	5/22/2017 13,900 13,659	5/23/2017 14,830 14,799	5/24/2017 15,175 14,889	5/25/2017 15,206 15,145	5/28/2017 14,517 14,314	5/27/2017 11,803 11,551	5/28/2017 11,131 10,953	5/29/2017 11,210 11,035	5/30/2017 13,028 13,016	5/31/2017 14,920 14,258
Hour 100 200 300	5/16/2017 14,643 14,463 13,961	5/17/2017 16,600 16,218 15,642	5/18/2017 17,439 17,183 16,639	5/19/2017 16,148 15,683 14,995	5/20/2017 12,243 11,983 11,883	5/21/2017 12,039 11,762 11,729	5/22/2017 13,900 13,659 13,386	5/23/2017 14,830 14,799 14,506	5/24/2017 15,175 14,889 14,562	5/25/2017 15,206 15,145 14,687	5/28/2017 14,517 14,314 14,013	5/27/2017 11,803 11,551 11,435	5/28/2017 11,131 10,953 10,962	5/29/2017 11,210 11,035 10,887	5/30/2017 13,028 13,016 12,828	5/31/2017 14,920 14,258 14,233
Hour 100 200 300 400	5/16/2017 14,643 14,463 13,961 14,223	5/17/2017 16,600 16,218 15,642 15,978	5/18/2017 17,439 17,183 16,639 16,811	5/19/2017 16,148 15,683 14,995 15,197	5/20/2017 12,243 11,983 11,883 12,263	5/21/2017 12,039 11,762 11,729 11,838	5/22/2017 13,900 13,659 13,386 13,837	5/23/2017 14,830 14,799 14,506 14,797	5/24/2017 15,175 14,889 14,562 14,937	5/25/2017 15,206 15,145 14,687 15,025	5/28/2017 14,517 14,314 14,013 14,131	5/27/2017 11,803 11,551 11,435 11,524	5/28/2017 11,131 10,953 10,962 10,896	5/29/2017 11,210 11,035 10,887 10,952	5/30/2017 13,028 13,016 12,828 13,423	5/31/2017 14,920 14,258 14,233 14,399
Hour 100 200 300 400 500	5/16/2017 14,643 14,463 13,961 14,223 15,340	5/17/2017 16,600 16,218 15,642 15,978 16,610	5/18/2017 17,439 17,183 16,639 18,811 17,717	5/19/2017 16,148 15,683 14,995 15,197 16,009	5/20/2017 12,243 11,983 11,883 12,263 12,703	5/21/2017 12,039 11,762 11,729 11,838 12,013	5/22/2017 13,900 13,659 13,386 13,837 14,826	5/23/2017 14,830 14,799 14,506 14,797 15,683	5/24/2017 15,175 14,889 14,562 14,937 15,738	5/25/2017 15,206 15,145 14,687 15,025 16,092	5/28/2017 14,517 14,314 14,013 14,131 14,949	5/27/2017 11,803 11,551 11,435 11,524 11,718	5/28/2017 11,131 10,953 10,962 10,896 10,943	5/29/2017 11,210 11,035 10,887 10,952 10,983	5/30/2017 13,028 13,016 12,828 13,423 14,534	5/31/2017 14,920 14,258 14,233 14,399 15,278
Hour 100 200 300 400 500 600	5/16/2017 14,643 14,463 13,961 14,223 15,340 16,206	5/17/2017 16,600 16,218 15,642 15,978 16,610 17,389	5/18/2017 17,439 17,183 16,639 16,811 17,717 18,471	5/19/2017 16,148 15,683 14,995 15,197 16,009 16,687	5/20/2017 12,243 11,983 11,883 12,263 12,703 13,104	5/21/2017 12,039 11,762 11,729 11,838 12,013 12,171	5/22/2017 13,900 13,659 13,386 13,837 14,826 15,539	5/23/2017 14,830 14,799 14,506 14,797 15,683 16,533	5/24/2017 15,175 14,889 14,562 14,937 15,736 16,578	5/25/2017 15,206 15,145 14,887 15,025 16,092 17,156	5/28/2017 14,517 14,314 14,013 14,131 14,949 15,747	5/27/2017 11,803 11,551 11,435 11,524 11,718 11,626	5/28/2017 11,131 10,953 10,962 10,896 10,943 10,867	5/29/2017 11,210 11,035 10,887 10,952 10,983 10,681	5/30/2017 13,028 13,016 12,828 13,423 14,534 15,159	5/31/2017 14,920 14,258 14,233 14,399 15,278 15,655
Hour 100 200 300 400 500 600 700	5/18/2017 14,643 14,463 13,981 14,223 15,340 16,206 17,628	5/17/2017 16,600 16,218 15,642 15,978 16,610 17,389 18,753	5/18/2017 17,439 17,183 16,639 16,811 17,717 18,471 20,178	5/19/2017 16,148 15,683 14,995 15,197 16,009 16,687 17,781	5/20/2017 12,243 11,983 11,983 12,263 12,703 13,104 13,484	5/21/2017 12,039 11,762 11,729 11,838 12,013 12,171 12,498	5/22/2017 13,900 13,659 13,886 13,837 14,826 15,539 16,958	5/23/2017 14,830 14,799 14,506 14,797 15,683 16,533 17,574	5/24/2017 15,175 14,889 14,582 14,937 15,736 16,578 17,713	5/25/2017 15,206 15,145 14,887 15,025 16,092 17,158 17,842	5/28/2017 14,517 14,314 14,013 14,131 14,949 15,747 18,757	5/27/2017 11,803 11,551 11,453 11,524 11,718 11,626 12,105	5/28/2017 11,131 10,953 10,962 10,896 10,943 10,867 11,321	5/29/2017 11,210 11,035 10,887 10,952 10,983 10,681 11,281	5/30/2017 13,028 13,016 12,828 13,423 14,534 15,159 16,914	5/31/2017 14,920 14,258 14,233 14,399 15,278 15,855 17,067
Hour 100 200 300 400 500 600 700 800	5/16/2017 14,643 14,463 13,961 14,223 15,340 16,206 17,628 18,416	5/17/2017 18,600 16,218 15,642 15,978 18,610 17,389 18,753 19,738	5/18/2017 17,439 17,183 16,639 16,811 17,717 18,471 20,178 21,776	5/19/2017 16,148 15,683 14,995 15,197 16,009 16,687 17,781 18,350	5/20/2017 12,243 11,983 11,883 12,263 12,703 13,104 13,484 14,367	5/21/2017 12,039 11,762 11,729 11,838 12,013 12,171 12,498 13,376	5/22/2017 13,900 13,659 13,865 13,837 14,826 15,530 16,956 17,718	5/23/2017 14,830 14,799 14,506 14,797 15,683 16,533 17,574 18,044	5/24/2017 15,175 14,889 14,562 14,937 15,736 16,578 17,713 18,436	5/25/2017 15,206 15,145 14,687 15,025 16,092 17,156 17,842 18,968	5/28/2017 14,517 14,314 14,013 14,131 14,949 15,747 16,757 17,634	5/27/2017 11,803 11,551 11,435 11,524 11,718 11,626 12,105 13,023	5/28/2017 11,131 10,953 10,962 10,896 10,943 10,897 11,321 12,108	5/29/2017 11,210 11,035 10,887 10,952 10,983 10,681 11,281 12,336	5/30/2017 13,028 13,016 12,828 13,423 14,534 15,159 16,914 18,274	5/31/2017 14,920 14,258 14,233 14,399 15,278 15,655 17,067 18,014
Hour 100 200 300 400 500 600 700 800 900	5/16/2017  14,643 14,463 13,961 14,223 15,340 16,206 17,628 18,416 18,722	5/17/2017 16,600 18,218 15,642 15,978 16,610 17,369 18,753 19,738	5/18/2017 17,439 17,183 16,639 16,811 17,717 18,471 20,178 21,776 22,517	5/19/2017 16,148 15,683 14,995 15,197 18,009 16,687 17,781 18,350 18,437	5/20/2017 12,243 11,883 11,883 12,263 12,703 13,104 13,484 14,367 14,886	5/21/2017 12,039 11,762 11,729 11,838 12,013 12,171 12,498 13,376 13,891	5/22/2017 13,900 13,659 13,386 13,837 14,826 15,539 16,958 17,718 18,140	5/23/2017 14,830 14,799 14,506 14,797 15,683 16,533 17,574 18,044 18,443	5/24/2017 15,175 14,889 14,562 14,937 15,736 16,578 17,713 18,436 19,154	5/25/2017 15,206 15,145 14,887 15,025 16,092 17,156 17,842 18,968 19,500	5/28/2017 14,517 14,314 14,013 14,131 14,949 15,747 18,757 17,634	5/27/2017 11,803 11,551 11,435 11,524 11,718 11,628 12,105 13,023 13,908	5/28/2017 11,131 10,953 10,962 10,896 10,943 10,867 11,321 12,108 13,032	5/29/2017 11,210 11,035 10,887 10,952 10,983 10,681 11,281 12,336 13,426	5/30/2017 13,028 13,016 12,828 13,423 14,534 15,159 16,914 18,274 19,158	5/31/2017 14,920 14,258 14,233 14,399 15,278 15,855 17,067 18,014 18,689
Hour 100 200 300 400 500 600 700 800	5/16/2017  14,643 14,463 13,961 14,223 15,340 16,206 17,628 18,416 18,722 19,340	5/17/2017 18,600 18,218 15,642 15,978 18,610 17,389 18,753 19,738 19,751 21,147	5/18/2017 17,439 17,183 16,639 16,811 17,717 18,471 20,178 21,776 22,517 23,046	5/19/2017 16,148 15,683 14,995 15,197 16,009 16,687 17,781 18,350 18,437	5/20/2017 12,243 11,983 11,983 12,263 12,703 13,104 13,484 14,367 14,886 14,938	5/21/2017 12,039 11,762 11,729 11,838 12,013 12,171 12,498 13,376 13,891 14,590	5/22/2017 13,900 13,659 13,386 13,837 14,826 15,539 16,956 17,718 18,140 18,431	5/23/2017 14,830 14,799 14,506 14,797 15,683 16,533 17,574 18,044 18,443 18,448	5/24/2017 15,175 14,889 14,562 14,937 15,736 16,578 17,713 18,436 19,154	5/25/2017 15,206 15,145 14,687 15,025 16,092 17,156 17,842 18,968 19,500	5/26/2017 14,517 14,314 14,013 14,131 14,949 15,747 16,757 17,634 17,742 18,241	5/27/2017 11,803 11,551 11,435 11,524 11,718 11,626 12,105 13,023 13,908 14,549	5/28/2017 11,131 10,953 10,962 10,896 10,943 10,867 11,321 12,108 13,032 13,563	5/29/2017 11,210 11,035 10,887 10,952 10,983 10,681 11,281 12,336 13,426 13,812	5/30/2017 13,028 13,016 12,828 13,423 14,534 15,159 16,014 18,274 19,158	5/31/2017 14,920 14,258 14,233 14,399 15,278 15,655 17,007 18,014 18,689 19,149
Hour 100 200 300 400 500 600 700 800 900	5/16/2017  14,643 14,463 13,961 14,223 15,340 16,206 17,628 18,416 18,722 19,340	5/17/2017 16,600 18,218 15,642 15,978 16,610 17,369 18,753 19,738	5/18/2017 17,439 17,183 16,639 16,811 17,717 18,471 20,178 21,776 22,517	5/19/2017 16,148 15,683 14,995 15,197 16,009 16,687 17,781 18,350 18,437 18,737	5/20/2017 12,243 11,983 11,883 12,263 12,703 13,104 13,484 14,387 14,886 14,938	5/21/2017 12,039 11,762 11,729 11,838 12,013 12,171 12,498 13,376 13,891 14,590	5/22/2017 13,900 13,659 13,886 13,837 14,826 15,539 16,956 17,718 18,140 18,431 18,426	5/23/2017 14,830 14,799 14,506 14,797 15,683 16,533 17,574 18,044 18,443 18,498	5/24/2017 15,175 14,889 14,502 14,937 15,736 16,578 17,713 18,436 19,154 19,524	5/25/2017 15,206 15,145 14,687 15,025 16,092 17,156 17,842 18,968 19,500 19,547	5/28/2017 14,517 14,314 14,013 14,131 14,949 15,747 16,757 17,634 17,742 18,241 17,972	5/27/2017 11,803 11,551 11,435 11,524 11,718 11,626 12,105 13,023 13,906 14,549	5/28/2017 11,131 10,953 10,962 10,896 10,943 10,867 11,321 12,108 13,032 13,563 14,186	5/29/2017 11,210 11,035 10,887 10,952 10,883 10,681 11,281 12,336 13,426 13,812 14,209	5/30/2017 13,028 13,016 12,828 13,423 14,534 15,159 16,914 18,274 19,158 19,172	5/31/2017 14,920 14,258 14,233 14,399 15,655 17,067 18,014 18,689 19,149
Hour 100 200 300 400 500 600 700 800 900	5/16/2017  14,643 14,463 13,961 14,223 15,340 16,206 17,628 18,416 18,722 19,340 19,768	5/17/2017 18,600 18,218 15,642 15,978 18,610 17,389 18,753 19,738 19,751 21,147	5/18/2017 17,439 17,183 16,639 16,811 17,717 18,471 20,178 21,776 22,517 23,046	5/19/2017 16,148 15,683 14,995 15,197 16,009 16,687 17,781 18,350 18,437 18,843 18,235	5/20/2017 12,243 11,983 11,883 12,263 12,703 13,104 13,484 14,387 14,886 14,938 14,480 14,374	5/21/2017 12,039 11,762 11,729 11,838 12,013 12,171 12,498 13,376 13,891 14,590 14,948 15,003	5/22/2017 13,900 13,659 13,386 13,837 14,826 15,539 16,958 17,718 18,140 18,431 18,426 18,493	5/23/2017 14,830 14,799 14,506 14,797 15,683 16,533 17,574 18,044 18,443 18,498 19,033 19,448	5/24/2017 15,175 14,889 14,562 14,937 15,736 16,578 17,713 18,436 19,154 19,810 19,912	5/25/2017 15,206 15,145 14,887 15,025 16,092 17,156 17,842 18,968 19,500 19,547 19,595	5/28/2017 14,517 14,314 14,013 14,131 14,949 15,747 16,757 17,634 17,742 18,241 17,072 18,081	5/27/2017 11,803 11,551 11,435 11,524 11,718 11,626 12,105 13,023 13,906 14,549 14,841 14,827	5/28/2017 11,131 10,953 10,962 10,896 10,943 10,867 11,321 12,108 13,032 13,563 14,186 14,845	5/29/2017 11,210 11,035 10,887 10,952 10,963 10,681 11,261 12,336 13,426 13,812 14,209 14,362	13,028 13,016 12,828 13,423 14,534 15,159 16,914 18,274 19,158 19,172 19,741 20,209	5/31/2017 14,920 14,258 14,233 14,399 15,278 15,655 17,067 18,014 18,689 19,149 19,620 20,097
Hour 100 200 300 400 500 600 700 800 1000 1100	5/18/2017 0 14,843 14,463 13,981 15,340 16,206 17,628 0 18,416 18,722 19,340 19,340 11,788 0 19,040 10,06	5/17/2017 18,600 16,218 15,642 15,978 16,610 17,389 18,753 19,738 19,751 21,147 22,185	5/18/2017 17,439 17,183 16,639 16,811 17,717 18,471 20,178 21,776 22,517 23,046 23,786	5/19/2017 16,148 15,683 14,995 15,197 16,009 16,687 17,781 18,350 18,437 18,737	5/20/2017 12,243 11,883 11,883 12,263 13,104 13,484 14,387 14,886 14,938 14,480 14,374 14,204	5/21/2017 12,039 11,762 11,729 11,838 12,013 12,171 12,498 13,376 13,891 14,590 14,948 15,003 15,020	5/22/2017 13,900 13,859 13,386 13,837 14,826 15,539 16,956 17,718 18,140 18,431 18,426 18,493 18,374	5/23/2017 14,830 14,799 14,506 14,797 15,883 16,533 17,574 18,044 18,443 18,443 19,033 19,448	5/24/2017 15,175 14,889 14,562 14,937 15,736 16,578 17,713 18,436 19,154 19,810 19,912 19,912	5/25/2017 15,206 15,145 14,687 15,025 16,092 17,156 17,842 18,968 19,500 19,547 19,595 19,628	5/28/2017 14,517 14,314 14,013 14,131 14,949 15,747 17,762 17,762 18,241 17,972 18,081 18,423	5/27/2017 11,803 11,551 11,435 11,524 11,718 11,628 12,105 13,023 13,906 14,549 14,841 14,827 14,781	5/28/2017 11,131 10,953 10,962 10,896 10,843 10,867 11,321 12,108 13,032 13,563 14,186 14,845	5/29/2017 11,210 11,035 10,887 10,983 10,881 11,281 12,336 13,426 13,812 14,209 14,362 14,557	13,028 13,016 12,828 13,423 14,534 15,159 16,914 18,274 19,158 19,172 19,741 20,209 20,045	5/31/2017 14,920 14,258 14,239 15,278 15,655 17,067 18,014 18,689 19,149 19,620 20,097 19,782
Hour 100 200 300 400 500 600 900 1100 1200	5/16/2017 14,643 14,463 13,961 14,223 15,340 16,206 17,628 18,416 18,722 19,340 19,768 20,600 20,933	5/17/2017 16,600 16,218 15,642 15,978 16,610 17,389 18,753 19,738 19,751 21,147 22,185 22,676	5/18/2017 17,439 17,183 16,639 16,811 17,717 18,471 20,178 21,776 22,517 23,046 23,786 23,809	5/19/2017 16,148 15,683 14,995 15,197 16,009 16,687 17,781 18,350 18,437 18,843 18,235	5/20/2017 12,243 11,983 11,883 12,263 12,703 13,104 13,484 14,387 14,886 14,938 14,480 14,374	5/21/2017 12,039 11,762 11,729 11,838 12,013 12,171 12,498 13,376 13,891 14,590 14,948 15,003	5/22/2017 13,900 13,659 13,836 13,837 14,826 15,539 16,958 17,718 18,140 18,431 18,426 18,493	5/23/2017 14,830 14,799 14,506 614,797 15,683 16,533 17,574 18,044 18,448 19,033 19,448 19,034 19,624	5/24/2017 15,175 14,889 14,987 15,736 16,578 17,713 18,436 19,154 19,810 19,912 19,048 19,559	5/25/2017 15,206 15,145 14,887 15,025 16,092 17,156 17,842 18,968 19,500 19,547 19,595 19,628 19,456 19,313	5/26/2017 14,517 14,314 14,013 14,131 14,949 15,747 17,834 17,742 18,241 17,972 18,081 18,423 18,098	5/27/2017 11,803 11,551 11,435 11,524 11,718 11,626 12,105 13,023 13,900 14,549 14,841 14,827 14,781	5/28/2017 11,131 10,953 10,962 10,896 10,943 10,867 11,321 12,108 13,032 13,563 14,186 14,845 14,554	5/29/2017 11,210 11,035 10,887 10,983 10,681 11,281 12,335 13,426 13,812 14,209 14,362 14,567	13,028 13,016 12,828 13,423 14,534 15,150 16,914 18,274 19,158 19,172 19,741 20,209 20,045 19,807	5/31/2017 14,920 14,258 14,233 14,399 15,278 15,655 17,067 18,014 18,689 19,149 19,620 20,097 19,782 19,800
Hour 100 200 300 400 500 600 900 1000 1100 1200 1300	5/16/2017 14,643 14,643 14,463 13,961 14,223 15,340 16,206 17,628 18,416 18,722 19,340 19,740 20,600 20,933 21,171	5/17/2017 18,600 10,218 15,642 15,978 16,610 17,389 18,753 19,751 21,147 22,185 22,676 22,973	5/18/2017 17,439 17,183 16,639 16,811 17,717 18,471 20,178 21,776 22,517 23,046 23,786 23,809 23,951	5/19/2017 16,148 15,683 14,995 15,197 16,009 16,687 17,781 18,350 18,437 18,737 18,843 18,235 18,483	5/20/2017 12,243 11,883 11,883 12,263 13,104 13,484 14,387 14,886 14,938 14,480 14,374 14,204	5/21/2017 12,039 11,762 11,729 11,838 12,013 12,171 12,498 13,376 13,891 14,590 14,948 15,003 15,020	5/22/2017 13,900 13,859 13,386 13,837 14,826 15,539 16,956 17,718 18,140 18,431 18,426 18,493 18,374	5/23/2017 14,830 14,799 14,506 14,797 15,883 16,533 17,574 18,044 18,443 18,498 19,033 19,448 19,624 19,641	5/24/2017 15,175 14,889 14,592 14,937 15,736 16,578 17,713 18,436 19,154 19,524 19,810 19,912 19,948 19,559 19,645	5/25/2017 15,206 15,145 14,687 15,025 16,092 17,156 17,842 18,968 19,500 19,547 19,595 19,628 19,456 19,313 18,868	5/28/2017 14,517 14,314 14,013 14,131 14,949 15,747 16,757 17,634 17,742 18,241 17,972 18,081 18,082 17,902	5/27/2017 11,803 11,551 11,435 11,524 11,718 11,628 12,105 13,023 13,006 14,549 14,841 14,827 14,781 14,402 14,120	5/28/2017 11,131 10,953 10,962 10,896 10,943 10,887 11,321 12,108 13,032 13,563 14,186 14,845 14,554 14,617	5/29/2017 11,210 11,035 10,887 10,952 10,983 10,681 11,281 12,336 13,426 13,812 14,209 14,362 14,557 14,669	13,028 13,016 12,828 13,423 14,534 15,159 16,914 18,274 19,158 19,172 19,741 20,209 20,045 19,807 19,347	5/31/2017 14,920 14,258 14,233 14,399 15,278 15,085 17,087 18,014 18,689 19,149 19,620 20,087 19,782 19,800 19,341
Hour 100 200 300 400 500 800 900 1100 1200 1300 1400 1500	5/16/2017 14,643 14,663 13,961 14,223 15,340 16,206 17,628 18,416 19,722 19,340 19,768 20,600 20,933 21,171 21,201	5/17/2017 16,600 16,218 15,642 15,978 16,610 17,389 18,753 19,758 19,751 21,147 22,185 22,676 22,973 22,685	5/18/2017 17,439 17,183 16,639 18,811 17,717 18,471 20,178 21,776 22,517 23,046 23,786 23,809 23,951 25,103	5/19/2017 16,148 15,683 14,995 15,197 16,009 16,687 17,781 18,350 18,437 18,737 18,737 18,843 18,235 18,483 18,235	5/20/2017 12,243 11,983 11,883 12,263 12,703 13,104 14,367 14,886 14,938 14,480 14,374 14,204	5/21/2017 12,039 11,762 11,729 11,838 12,013 12,171 12,498 13,376 13,891 14,590 14,948 15,003 15,020 15,187	5/22/2017 13,900 13,659 13,386 13,837 14,826 15,539 16,956 17,718 18,140 18,431 18,426 18,493 18,374 18,207	5/23/2017 14,830 14,799 14,506 614,797 15,683 16,533 17,574 18,044 18,448 19,033 19,448 19,034 19,624	5/24/2017 15,175 14,889 14,987 15,736 16,578 17,713 18,436 19,154 19,810 19,912 19,048 19,559	5/25/2017 15,206 15,145 14,887 15,025 16,092 17,156 17,842 18,968 19,500 19,547 19,595 19,628 19,456 19,313	5/28/2017 14,517 14,314 14,013 14,131 14,949 15,747 18,757 17,634 17,742 18,241 17,972 18,081 18,423 18,096 17,002	5/27/2017 11,803 11,551 11,435 11,524 11,718 11,628 12,105 13,023 13,906 14,549 14,841 14,827 14,781 14,402 14,120	5/28/2017 11,131 10,953 10,962 10,896 10,943 10,887 11,321 12,108 13,032 13,563 14,186 14,845 14,554 14,017 14,006	5/29/2017 11,210 11,035 10,887 10,952 10,983 10,681 11,281 12,336 13,426 13,812 14,209 14,362 14,557 14,669	5/30/2017 13,028 13,016 12,828 13,423 14,534 15,159 16,914 19,158 19,172 19,741 20,209 20,045 19,807 19,347 19,279	5/31/2017 14,920 14,258 14,233 14,399 15,278 15,655 17,067 18,014 18,689 19,149 19,620 20,097 19,782 19,600 19,341 19,558
Hour 100 200 300 400 500 600 700 800 11000 11200 1300 1400 1500 1600 1600 1600 1600	5/16/2017  14,643 14,643 13,961 14,223 15,340 16,206 17,628 18,416 18,722 19,340 19,768 20,600 20,933 21,171 21,201 21,2150	5/17/2017 16,600 16,218 15,642 15,978 16,610 17,389 18,753 19,738 19,751 21,147 22,185 22,676 22,973 22,685 22,838 22,829	5/18/2017 17,439 17,183 16,639 16,811 17,717 18,471 20,178 21,776 22,517 23,046 23,786 23,809 23,951 25,103 23,829 23,784	5/19/2017 16,148 15,683 14,995 15,197 16,009 16,687 17,781 18,350 18,437 18,737 18,843 18,071 17,074	5/20/2017 12,243 11,983 11,983 12,263 12,703 13,104 14,387 14,988 14,938 14,480 14,374 14,294 14,273 14,473 14,473	5/21/2017 12,039 11,762 11,729 11,838 12,013 12,171 12,498 13,376 13,891 14,590 14,948 15,003 15,020 15,187	5/22/2017 13,900 13,659 13,836 13,837 14,826 15,539 16,958 17,718 18,140 18,431 18,426 18,493 18,374 18,207 18,402	5/23/2017 14,830 14,799 14,506 14,797 15,883 16,533 17,574 18,044 18,443 18,498 19,033 19,448 19,624 19,641	5/24/2017 15,175 14,889 14,592 14,937 15,736 16,578 17,713 18,436 19,154 19,524 19,810 19,912 19,948 19,559 19,645	5/25/2017 15,206 15,145 14,687 15,025 16,092 17,156 17,842 18,968 19,500 19,547 19,595 19,628 19,456 19,313 18,868	5/28/2017 14,517 14,314 14,013 14,131 14,949 15,747 16,757 17,634 17,742 18,241 17,972 18,081 18,082 17,902	5/27/2017 11,803 11,551 11,435 11,524 11,718 11,626 12,105 13,003 14,549 14,841 14,827 14,781 14,402 14,120 14,321 14,120	5/28/2017 11,131 10,953 10,962 10,896 10,943 10,887 11,321 12,108 13,032 14,186 14,845 14,554 14,616 14,913 14,717	5/29/2017 11,210 11,035 10,887 10,952 10,983 10,881 11,281 12,336 13,426 13,812 14,209 14,362 14,567 14,689 14,384 14,564	5/30/2017 13.028 13.016 12.828 13.423 14.534 15.159 16.914 18.274 19.158 19.172 19.741 20.209 20.045 19.807 19.347 19.279	5/31/2017 14,920 14,258 14,233 14,399 15,278 15,055 17,057 18,014 18,689 19,149 19,620 20,097 19,782 19,620 19,620 19,620 19,620 19,620 19,782 19,508 19,508 19,127
Hour 100 200 300 400 500 600 700 1000 1100 1200 1500 1600 1700 1700 1700 1700 1700 1700 17	5/1e/2017 14,643 14,463 13,961 14,223 15,340 16,206 17,628 18,722 19,340 19,340 20,933 21,171 21,201 21,201 21,236	5/17/2017 16,600 16,218 15,642 15,978 16,610 17,389 18,753 19,751 21,147 22,185 22,676 22,876 22,838 22,829 22,617	5/18/2017 17,439 17,183 16,639 16,811 17,717 18,471 20,178 21,776 22,517 23,046 23,809 23,951 25,103 23,829 23,784 22,273	5/19/2017 16,148 15,883 14,995 15,197 16,009 16,687 17,781 18,350 18,437 18,737 18,843 18,235 18,483 11,074 17,473 17,125	5/20/2017 12,243 11,983 11,883 12,263 12,703 13,104 13,484 14,386 14,938 14,480 14,374 14,291 14,473 14,101 14,007	5/21/2017 12,039 11,762 11,762 11,838 12,013 12,171 12,498 13,376 14,590 14,948 15,003 15,020 15,187 15,162 15,375 15,685	5/22/2017 13,000 13,659 13,386 13,837 14,826 15,539 16,956 17,758 18,140 18,431 18,426 18,493 18,374 18,207 18,402	5/23/2017 14,830 14,799 14,506 14,797 15,683 16,533 17,574 18,044 18,443 18,498 19,033 19,448 19,644 19,641 19,338	5/24/2017 15,175 14,889 14,937 15,736 16,578 17,713 18,436 19,154 19,810 19,912 19,948 19,559 19,645 18,953	5/25/2017 15,206 15,145 14,087 15,025 16,092 17,156 18,966 19,500 19,547 19,628 19,456 19,313 18,868 18,434	5/28/2017 14,517 14,314 14,013 14,131 14,949 15,747 18,757 17,634 17,742 18,241 17,972 18,081 18,423 18,096 17,002	5/27/2017 11,803 11,551 11,435 11,524 11,718 11,620 12,105 13,023 13,000 14,549 14,827 14,781 14,402 14,321 14,172 14,172 14,321	5/28/2017 11,131 10,953 10,962 10,896 10,943 10,867 11,321 12,108 13,032 13,563 14,186 14,815 14,554 14,517 14,017 14,017 14,017 14,017 14,017 14,017	5/29/2017 11,210 11,035 10,887 10,952 10,983 10,081 11,281 12,336 13,426 13,812 14,209 14,557 14,659 14,557 14,664 14,777 14,864	5/30/2017 13.028 13.016 12.828 13.423 14.534 15.150 16,014 18.274 19.172 19.741 20.209 20.045 19.807 19.347 19.279 18.547	5/31/2017 14,920 14,258 14,233 14,399 15,278 15,655 17,067 18,014 18,889 19,149 19,620 20,097 19,782 19,600 19,341 19,508 19,127 18,799
Hour 1000 2000 3000 4000 5000 6000 7000 11000 1200 1300 14000 15000 17000 17000 18000 17000 18000 17000 180000 18000 18000 18000 18000 18000 18000 18000 18000 18000 18000 180	5/16/2017  14,643 14,463 13,961 14,223 15,340 17,628 18,416 18,722 19,340 19,340 10,768 20,600 20,033 21,171 21,201 21,259 21,236 21,278	5/17/2017 16,600 16,218 15,642 15,978 16,610 17,389 18,753 19,738 19,751 21,147 22,185 22,676 22,838 22,829 22,617 21,997	5/18/2017 17,439 17,183 16,639 18,811 17,717 18,471 20,178 21,776 22,517 23,046 23,786 23,859 23,951 25,103 23,829 23,784 22,273 20,752	5/19/2017 16,148 15,683 14,995 15,197 16,009 16,687 17,781 18,337 18,235 18,437 18,843 18,235 18,437 17,473 17,125	5/20/2017 12,243 11,983 11,983 12,263 12,703 13,104 13,484 14,387 14,886 14,374 14,291 14,201 14,273 14,101 14,077	5/21/2017 12,039 11,762 11,762 11,838 12,013 12,171 12,498 13,376 13,891 14,590 14,948 15,003 15,020 15,187 15,182 15,375 15,085 15,724	5/22/2017 13,000 13,659 13,386 13,837 14,826 15,539 16,956 17,718 18,140 18,431 18,426 18,493 18,374 18,207 18,402 18,308	5/23/2017 14,830 14,799 14,506 14,797 15,683 16,533 17,574 18,044 18,443 18,498 19,624 19,624 19,841 19,338 19,419	5/24/2017 15,175 14,889 14,562 14,937 15,736 16,578 17,713 18,436 19,154 19,810 19,912 19,948 19,559 19,645 18,953 18,825	5/25/2017 15,206 15,145 14,887 15,025 16,092 17,156 17,842 18,968 19,500 19,547 19,595 19,628 19,456 19,313 18,868 18,434	5/28/2017 14,517 14,314 14,013 14,131 14,949 15,747 16,757 17,034 17,742 18,241 17,972 18,081 18,423 18,090 17,090 17,090	5/27/2017 11,803 11,551 11,435 11,524 11,718 11,626 12,105 13,003 14,549 14,841 14,827 14,781 14,402 14,120 14,321 14,120	5/28/2017 11,131 10,953 10,962 10,896 10,943 10,887 11,321 12,108 13,032 14,186 14,845 14,554 14,617 14,606 14,913 14,717 14,459 14,459 13,683	5/29/2017 11,210 11,035 10,887 10,983 10,081 11,281 12,336 13,426 13,812 14,209 14,362 14,557 14,869 14,364 14,564 14,777 14,820	5/30/2017 13.028 13.016 12.828 13.423 14,534 15,159 16,914 18,274 19,172 19,741 20,209 20,045 19,807 19,347 19,279 18,547 18,288 17,747	5/31/2017 14,920 14,258 14,233 14,399 15,278 15,655 17,067 18,014 18,689 19,149 19,620 20,097 19,782 19,600 19,341 19,508 19,127 18,799 17,988
Hour 1000 2000 3000 4000 5000 6000 7000 6000 11000 12000 13000 15000 16000 17000 18000 190000 19000 19000 19000 19000 19000 19000 19000 19000 19000 19000 19	5/16/2017  14,643 14,463 13,981 14,223 15,340 16,206 0 17,628 0 18,416 18,722 19,340 19,788 0 20,600 20,933 21,171 21,201 21,201 21,206 21,276 21,276 21,276 21,276	5/17/2017 16,600 16,218 15,042 15,978 16,610 17,389 18,753 19,738 19,751 21,147 22,185 22,676 22,838 22,829 22,617 21,097	5/18/2017 17,439 17,183 16,039 16,811 17,717 18,471 20,178 21,776 23,046 23,786 23,809 23,951 25,103 23,829 23,734 22,273 20,752	5/19/2017 16,148 15,883 14,995 15,197 16,009 16,887 17,781 18,337 18,737 18,843 18,235 18,4837 17,074 17,773 17,125 16,825 16,381	5/20/2017 12,243 11,983 11,983 12,263 13,104 14,367 14,986 14,938 14,480 14,974 14,294 14,473 14,101 14,007 13,736 13,476	5/21/2017 12,039 11,762 11,762 11,762 11,762 11,838 12,013 12,171 12,498 13,376 13,861 14,560 14,948 15,003 15,020 15,187 15,162 15,375 15,685 15,724	5/22/2017 13,900 13,659 13,386 13,837 14,826 15,539 16,956 17,718 18,140 18,431 18,426 18,493 18,374 18,207 18,402 18,403 18,308 18,003 17,667	5/23/2017 14,830 14,796 14,506 14,797 15,683 16,533 17,574 18,044 18,443 19,033 19,448 19,624 19,841 19,338 19,419 19,890 18,780	5/24/2017 15,175 14,889 14,562 14,937 15,736 16,578 17,713 18,436 19,154 19,810 19,912 19,948 19,559 19,645 18,653 18,825 18,800 18,204	5/25/2017 15,206 15,145 14,887 15,025 16,092 17,156 17,842 18,968 19,500 19,547 19,595 19,628 19,456 19,313 18,868 18,434 18,306 18,111	5/26/2017 14,517 14,314 14,013 14,131 14,949 15,747 16,757 17,634 17,742 18,241 17,972 18,081 18,423 18,096 17,902 17,067 10,648	5/27/2017 11,803 11,551 11,435 11,524 11,718 11,620 12,105 13,023 13,000 14,549 14,827 14,781 14,402 14,321 14,172 14,172 14,321	5/28/2017 11,131 10,953 10,962 10,896 10,943 10,867 11,321 12,108 13,032 13,563 14,186 14,815 14,554 14,517 14,017 14,017 14,017 14,017 14,017 14,017	5/29/2017 11,210 11,035 10,887 10,952 10,983 10,081 11,281 12,336 13,426 13,812 14,209 14,557 14,659 14,557 14,664 14,777 14,864	5/30/2017 13.028 13.016 12.828 13.423 14.534 15.150 16,014 18.274 19.172 19.741 20.209 20.045 19.807 19.347 19.279 18.547	5/31/2017 14,920 14,258 14,233 14,399 15,278 15,655 17,067 18,014 18,889 19,149 19,620 20,097 19,782 19,600 19,341 19,508 19,127 18,799
Hour 1000 2000 300 4000 6000 1000 12000 1500 1600 17000 1800 1900 1900 2000 2000 2000 2000 1000 1900 2000 1800 1900 2000 1800 1900 2000 1800 1900 2000 1800 1900 2000 1800 1900 2000 1800 1900 2000 1800 1900 2000 1800 1900 2000 1800 1900 2000 1800 1900 2000 1800 1900 2000 1800 1900 2000 1800 1900 2000 1800 1900 2000 1800 1800 1800 1800 1800 1800 18	5/16/2017  14,643  14,463  13,061  14,223  15,340  17,628  17,628  18,416  18,722  19,340  10,768  20,600  20,933  21,171  21,201  21,250  21,250  21,250  21,250  21,250  21,250  21,250	5/17/2017 16,600 16,218 15,642 15,978 16,610 17,389 18,753 19,751 21,147 22,185 22,665 22,839 22,617 21,1907 21,376 21,100	5/18/2017 17,439 17,183 16,039 16,811 17,717 18,471 20,178 21,776 22,517 23,046 23,786 23,899 23,981 25,103 23,829 23,784 22,273 20,752 19,754	5/19/2017 16,148 15,683 14,995 15,197 16,009 16,687 17,781 18,333 18,437 18,843 18,235 18,447 17,473 17,125 16,825 16,381	5/20/2017 12,243 11,983 11,983 12,263 13,104 13,464 14,367 14,886 14,374 14,201 14,477 14,481 14,201 14,477 14,471 14,471 14,471 14,471 14,471 14,471 14,471 14,471 14,471 14,471 14,471 14,471 14,471 14,471 14,471 14,471 14,471 14,471 14,471 13,736	5/21/2017 12.039 11.762 11.7720 11.838 12.013 12.171 12.488 13.376 14.948 15.003 15.187 15.185 15.085 15.724 15.494	5/2/2017 13,600 13,659 13,386 13,387 14,826 15,539 16,956 17,718 18,140 18,431 18,426 18,493 18,374 18,207 18,402 18,308 18,003 17,667 17,508	5/23/2017 14,830 14,790 14,506 14,707 15,883 16,533 17,574 18,044 18,443 19,033 19,449 19,641 19,338 19,419 18,960 18,780	\$/24/2017  15,175  14,889  14,562  14,937  15,738  16,578  17,713  18,438  19,154  19,810  19,912  19,948  19,559  18,633  18,625  18,825  18,825  18,204	5/25/2017 15,206 15,145 14,687 15,025 16,002 17,156 18,068 19,500 19,547 19,595 19,628 19,456 19,313 18,868 18,334 18,306 18,111 17,708	5/26/2017 14,517 14,314 14,013 14,131 14,949 15,747 17,634 17,742 18,241 17,972 18,081 18,423 18,092 17,092 17,087 10,644 15,804	5/27/2017 11,803 11,551 11,435 11,524 11,718 11,626 12,105 13,023 13,000 14,549 14,841 14,827 14,781 14,401 14,120 14,120 14,121 14,172 13,925 13,939	5/28/2017 11,131 10,953 10,962 10,896 10,943 10,887 11,321 12,108 13,032 14,186 14,845 14,554 14,617 14,606 14,913 14,717 14,459 14,459 13,683	5/29/2017 11,210 11,035 10,887 10,983 10,081 11,281 12,336 13,426 13,812 14,209 14,362 14,557 14,869 14,364 14,564 14,777 14,820	5/30/2017 13.028 13.016 12.828 13.423 14,534 15,159 16,914 18,274 19,172 19,741 20,209 20,045 19,807 19,347 19,279 18,547 18,288 17,747	5/31/2017 14,920 14,258 14,233 14,399 15,278 15,655 17,067 18,014 18,689 19,149 19,620 20,097 19,782 19,600 19,341 19,508 19,127 18,799 17,988
Hour 1000 2000 3000 4000 4000 6000 6000 11000 12000 15000 15000 15000 15000 15000 15000 15000 15000 12000 2000	5/16/2017  14,643  14,463  14,463  15,340  16,206  17,628  17,628  18,722  19,340  19,768  20,600  20,933  21,171  21,250  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  22,276	5/17/2017 16,800 16,218 15,042 15,978 16,610 17,389 18,753 19,751 21,147 22,185 22,673 22,685 22,838 22,829 22,817 21,037 21,100 21,1585	5/18/2017 17,439 17,1639 16,639 16,811 17,717 18,471 20,178 21,776 23,786 23,786 23,891 25,103 23,829 23,784 22,273 20,752 19,754	5/19/2017 16,148 15,883 14,995 15,197 16,000 16,687 17,781 18,350 18,437 18,743 18,723 18,731 16,731 17,175 16,025 16,881 16,811 16,811	5/20/2017 12,243 11,863 11,883 12,263 12,703 13,104 13,484 14,367 14,808 14,480 14,373 14,401 14,73 14,007 13,736 13,736 13,744	5/21/2017 12,039 11,762 11,729 11,838 12,013 12,171 12,498 13,376 13,891 14,590 15,187 15,020 15,187 15,182 15,724 15,402 16,085	5/22/2017 13,900 13,659 13,369 13,369 14,826 15,539 16,956 17,718 18,420 18,431 18,426 18,493 18,374 18,207 18,402 18,404 18,308 18,003 17,667 17,506	5/23/2017  14,830 14,790 14,500 14,797 15,683 16,533 17,574 18,044 18,443 18,044 19,041 19,338 19,448 19,024 19,031 18,980 18,780 18,280 18,280 18,280	\$/24/2017  15,175 14,889 14,582 14,937 15,738 16,578 17,713 18,436 19,154 19,524 19,810 19,048 19,558 18,858 18,858 18,858 18,858 18,858 18,858 18,858	5/25/2017 15,206 15,145 14,867 15,025 16,002 17,158 17,842 18,968 19,500 19,547 19,535 19,638 19,458 19,458 19,458 19,458 19,458 19,458 19,458 19,458 19,458 19,458 19,458 19,458 19,458 19,458 19,458 19,458 19,458 19,458	5/26/2017 14,517 14,314 14,013 14,131 14,131 14,949 15,747 16,757 17,834 17,742 18,241 17,972 18,241 17,972 18,081 16,423 16,096 17,002 17,067 16,844 10,648 15,804	5/27/2017 11,803 11,561 11,435 11,524 11,718 11,928 12,105 13,020 14,549 14,841 14,827 14,781 14,402 14,120 14,321 14,172 13,925 13,339 13,925 13,339 13,471	5/28/2017 11,131 10,953 10,962 10,969 10,943 10,867 11,321 12,108 13,032 13,563 14,186 14,845 14,554 14,017 14,006 14,913 14,717 14,606 14,913 14,717 14,459 13,845 13,749	5/29/2017 11,210 11,035 10,887 10,952 10,963 10,681 11,281 12,336 13,426 13,812 14,209 14,392 14,557 14,689 14,584 14,777 14,860	5/30/2017 13.028 13.016 12.828 13.423 14.534 15.159 16.014 18.274 19.172 19.741 20.209 20.045 19.807 19.347 19.279 18.547 18.288 17.747	5/31/2017 14,920 14,258 14,233 14,399 15,278 15,655 17,067 18,014 18,689 19,149 19,620 20,097 19,782 19,600 19,341 19,508 19,127 18,769 17,968
Hour 200 200 300 4000 600 600 700 1200 1200 1200 22000 22000 22000 22000 22000 22000 2	5/16/2017  14,643  14,463  13,961  14,223  15,340  16,206  17,628  18,416  18,722  19,340  19,740  20,000  20,033  21,171  21,250  21,250  21,276  21,250  21,250  21,276  21,051  20,508  20,768	5/17/2017 18,800 16,218 15,642 15,978 16,610 17,389 18,753 19,738 19,731 22,185 22,873 22,885 22,839 22,617 21,1907 21,378 21,1962 21,100 21,585 20,338	5/18/2017 17,439 17,183 16,039 16,811 17,717 18,471 20,178 21,776 23,809 23,809 23,951 25,103 23,829 23,784 22,273 20,752 19,754 19,604 20,878	5/19/2017 16,148 15,683 14,995 15,197 16,000 16,687 17,781 18,337 18,833 18,071 17,072 17,172 16,825 16,825 16,831 16,035 15,975	5/20/2017 12,243 11,883 11,883 12,703 13,104 13,484 14,397 14,898 14,493 14,400 14,374 14,201 14,007 13,738 13,476 13,747 14,703 13,476 13,778 13,778	5/21/2017 12,039 11,782 11,782 11,783 12,171 12,488 13,376 13,891 14,590 15,187 15,182 15,375 15,682 15,724 15,494 15,402 15,187	5/22/2017 13,900 13,859 13,837 14,826 15,539 16,956 17,718 18,421 18,423 18,431 18,427 18,402 18,493 18,767 18,402 18,7667 17,506 17,847	5/23/2017 14,830 14,797 15,663 10,533 10,533 17,574 18,044 18,443 19,044 19,448 19,033 19,448 19,232 19,419 18,800 18,780 18,250 18,250 18,250 18,250	\$/24/2017 15,175 14,889 14,562 14,937 15,738 16,578 17,713 18,436 19,154 19,614	5/25/2017 15,206 15,145 14,867 15,025 16,002 17,156 17,842 18,068 19,500 19,547 19,505 19,628 19,434 18,206 18,111 17,708 18,111 17,708 17,708 17,708 17,708	5/26/2017 14,517 14,311 14,013 14,131 14,949 15,747 16,757 17,634 17,742 18,241 17,972 18,081 18,423 18,006 17,902 17,007 16,844 16,848 15,804 16,006 16,580	5/27/2017 11,803 11,803 11,803 11,435 11,224 11,726 11,028 12,105 13,023 13,000 14,549 14,821 14,402 14,221 14,723	5/28/2017 11,131 10,953 10,962 10,962 10,963 10,867 11,321 12,108 13,032 13,563 14,186 14,945 14,554 14,017	5/29/2017 11,210 11,035 10,887 10,982 10,983 10,081 11,281 12,336 13,422 14,209 14,362 14,557 14,660 14,384 14,577 14,820 14,777 14,820 14,777 14,820 14,777	5/30/2017 13,028 13,016 12,828 13,423 14,534 15,159 16,914 16,174 10,158 10,172 10,741 20,045 10,807 10,279 18,547 18,288 17,747 11,227 17,523	5/31/2017 14,920 14,258 14,239 14,399 15,278 15,685 17,067 18,014 18,689 19,149 19,820 20,097 19,782 19,850 19,341 19,508 19,127 18,709 19,127 18,709 19,129
Hour 200 200 2000 22000 22000 2000 2000 2200 2000 2000 2000 2000 2200 2200 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2200 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2	5/16/2017  14,643  14,463  14,463  15,340  16,266  17,628  17,628  18,722  19,340  19,768  20,600  20,933  21,171  21,250  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,551  21,256  21,256  21,551  21,551  21,551  21,551  21,551  21,551	5/17/2017 16,800 16,218 15,642 15,978 16,610 17,389 18,753 19,751 21,147 22,185 22,676 22,693 22,617 21,907 21,376 21,196 21,196 21,196 21,196 20,386	5/18/2017 17, 439 17, 1439 16, 639 16, 631 17, 717 18, 471 20, 178 21, 776 22, 517 23, 046 23, 789 23, 951 25, 103 23, 829 23, 784 22, 273 20, 752 20, 752 19, 754 19, 604	5/19/2017 16,146 15,883 14,995 15,197 16,009 16,687 17,781 18,350 18,437 18,243 18,273 17,725 16,255	5/20/2017 12,243 11,963 11,883 12,263 12,263 12,703 13,104 14,374 14,982 14,408 14,474 14,201 14,473 14,101 14,073 14,101 14,073 14,101 14,073 13,794 14,083 13,794 14,083 13,794 13,794 13,794 13,794 13,136	5/21/2017 12,039 11,762 11,729 11,838 12,013 12,171 12,498 13,376 13,801 14,590 15,162 15,162 15,177 15,162 15,375 15,685 15,724 15,404 15,402 16,085 15,384	5/22/2017 13,900 13,659 13,386 13,837 14,826 15,539 16,956 17,140 18,431 18,426 18,493 18,374 18,207 18,402 18,404 18,308 18,003 17,687 17,506 17,647 16,930	5/23/2017  14,830 14,709 14,506 14,707 15,603 16,533 17,574 18,044 18,443 19,043 19,033 19,448 19,024 19,034 19,038 19,438 19,419 18,060 18,760 18,763 18,568 17,753	5/24/2017 15,175 14,889 14,582 14,937 15,739 16,578 16,578 19,152 19,152 19,152 19,012 19,012 19,012 19,013 18,003 18,203	5/25/2017 15,206 15,145 14,867 15,025 16,002 17,158 19,500 19,547 19,505 19,625 19,625 19,458	5/26/2017 14,517 14,314 14,013 14,013 14,031 14,040 15,747 16,757 17,034 17,742 18,241 17,772 18,081 18,441 16,648 15,806 15,200 10,648 15,806 15,200 13,403	5/27/2017  11,803 11,551 11,435 11,524 11,718 11,028 12,105 13,023 13,900 14,549 14,841 14,721 14,721 14,731 14,172 13,025 13,309 13,471 14,172 13,025 13,309 13,471 14,172 13,025 13,309 13,471 14,172 13,025 12,707	5/28/2017 11,131 10,953 10,962 10,896 10,843 10,867 11,321 12,108 813,032 13,563 14,186 14,617 14,617 14,617 14,459 13,749 13,749 13,749 13,749 13,749 13,749 13,749	5/29/2017 11,210 11,035 10,887 10,982 10,983 10,681 11,281 12,339 13,426 13,812 14,209 14,362 14,565 14,564 14,77 14,800 15,155 14,400 15,155	5/30/2017 13.028 13.016 12.828 13.423 14.534 15.159 16.014 18.274 19.172 19.741 20.200 20.045 19.807 19.347 19.279 18.547 17.227 17.523 17.152	5/34/2017  14,020 14,026 14,026 14,026 14,026 14,026 14,026 15,026 15,026 15,026 15,026 17,007 18,014 18,889 19,149 19,020 20,097 19,082 17,086 17,086 17,086
Hour 100 200 300 4000 600 600 1000 1200 1200 1200 22000 22000 22000 22000 22000 22000 22000 2000 2000 2000 2000 22000 200	5/16/2017  14,643  14,463  14,463  15,340  16,266  17,628  17,628  18,722  19,340  19,768  20,600  20,933  21,171  21,250  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,551  21,256  21,256  21,551  21,551  21,551  21,551  21,551  21,551	5/17/2017 18,800 16,218 15,642 15,978 16,610 17,389 18,753 19,738 19,731 22,185 22,873 22,885 22,839 22,617 21,1907 21,378 21,1962 21,100 21,585 20,338	5/18/2017 17,439 17,183 16,039 16,811 17,717 18,471 20,178 21,776 23,809 23,809 23,951 25,103 23,829 23,784 22,273 20,752 19,754 19,604 20,878	5/19/2017 16,148 15,683 14,995 15,197 16,000 16,687 17,781 18,337 18,833 18,071 17,072 17,172 16,825 16,825 16,831 16,035 15,975	5/20/2017 12,243 11,883 11,883 12,703 13,104 13,484 14,397 14,898 14,493 14,400 14,374 14,201 14,007 13,738 13,476 13,747 14,703 13,476 13,778 13,778	5/21/2017 12,039 11,782 11,782 11,783 12,171 12,488 13,376 13,891 14,590 15,187 15,182 15,375 15,682 15,724 15,494 15,402 15,175 15,682 15,725 15,724 15,494	5/22/2017 13,900 13,859 13,837 14,826 15,539 16,956 17,718 18,421 18,423 18,431 18,427 18,402 18,493 18,767 18,402 18,7667 17,506 17,847	5/23/2017 14,830 14,797 15,663 10,533 10,533 17,574 18,044 18,443 19,044 19,448 19,032 19,448 19,232 19,419 18,800 18,780 18,250 18,250 18,250 18,250	\$/24/2017 15,175 14,889 14,562 14,937 15,738 16,578 17,713 18,436 19,154 19,614	5/25/2017 15,206 15,145 14,867 15,025 16,002 17,156 17,842 18,068 19,500 19,547 19,505 19,628 19,434 18,206 18,111 17,708 18,111 17,708 17,708 17,708 17,708	5/26/2017 14,517 14,311 14,013 14,131 14,949 15,747 16,757 17,634 17,742 18,241 17,972 18,081 18,423 18,006 17,902 17,007 16,844 16,848 15,804 16,006 16,580	5/27/2017 11,803 11,803 11,803 11,435 11,224 11,726 11,028 12,105 13,023 13,000 14,549 14,821 14,402 14,221 14,723	5/28/2017 11,131 10,953 10,962 10,893 10,867 11,321 12,198 13,032 13,563 14,186 14,855 14,857 14,517 14,006 14,913 14,717 14,455 13,749 13,845 13,749 13,470 13,470 13,470 12,561	5/29/2017 11,210 11,035 10,887 10,952 10,963 10,081 11,281 12,339 13,426 13,812 14,209 14,362 14,557 14,609 14,344 14,554 14,556 14,457 14,609 14,344 14,556 15,155 14,474 14,508	5/30/2017 13,028 13,016 12,828 13,423 14,534 15,159 16,914 16,174 10,158 10,172 10,741 20,209 10,807 10,279 18,547 18,288 17,747 17,227 17,523 17,152 15,617 15,536	\$731/2017  14,920 14,258 14,233 14,390 15,278 15,955 17,067 18,014 18,889 10,149 10,782 10,907 10,782 10,907 17,782 10,107 17,782 10,107 17,782 10,000 17,787 17,280 10,109 15,495
Hour 200 200 2000 22000 22000 2000 2000 2200 2000 2000 2000 2000 2200 2200 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2200 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2200 2000 2	5/16/2017  14,643  14,463  14,463  15,340  16,266  17,628  17,628  18,722  19,340  19,768  20,600  20,933  21,171  21,250  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,256  21,551  21,256  21,256  21,551  21,551  21,551  21,551  21,551  21,551	5/17/2017 16,800 16,218 15,642 15,978 16,610 17,389 18,753 19,751 21,147 22,185 22,676 22,693 22,617 21,907 21,376 21,196 21,196 21,196 21,196 20,386	5/18/2017 17, 439 17, 1439 16, 639 16, 631 17, 717 18, 471 20, 178 21, 776 22, 517 23, 046 23, 789 23, 951 25, 103 23, 829 23, 784 22, 273 20, 752 20, 752 19, 754 19, 604	5/19/2017 16,146 15,883 14,995 15,197 16,009 16,687 17,781 18,350 18,437 18,243 18,273 17,725 16,255	5/20/2017 12,243 11,963 11,883 12,263 12,263 12,703 13,104 14,374 14,982 14,408 14,474 14,201 14,473 14,101 14,073 14,101 14,073 14,101 14,073 13,794 14,083 13,794 14,083 13,794 13,794 13,794 13,794 13,136	5/21/2017 12,039 11,762 11,729 11,838 12,013 12,171 12,498 13,376 13,801 14,590 15,162 15,162 15,177 15,162 15,375 15,685 15,724 15,404 15,402 16,085 15,384	5/22/2017 13,900 13,659 13,386 13,837 14,826 15,539 16,956 17,140 18,431 18,426 18,493 18,374 18,207 18,402 18,404 18,308 18,003 17,687 17,506 17,647 16,930	5/23/2017  14,830 14,709 14,506 14,707 15,603 16,533 17,574 18,044 18,443 19,043 19,033 19,448 19,024 19,034 19,038 19,438 19,419 18,060 18,760 18,763 18,568 17,753	5/24/2017 15,175 14,889 14,582 14,937 15,739 16,578 16,578 19,152 19,152 19,152 19,012 19,012 19,012 19,013 18,003 18,203	5/25/2017 15,206 15,145 14,867 15,025 16,002 17,158 19,500 19,547 19,505 19,625 19,625 19,458	5/26/2017 14,517 14,314 14,013 14,013 14,031 14,040 15,747 16,757 17,034 17,742 18,241 17,772 18,081 18,441 16,648 15,806 15,200 10,648 15,806 15,200 13,403	5/27/2017  11,803 11,551 11,435 11,524 11,718 11,028 12,105 13,023 13,900 14,549 14,841 14,721 14,721 14,731 14,172 13,025 13,309 13,471 14,172 13,025 13,309 13,471 14,172 13,025 13,309 13,471 14,172 13,025 12,707	5/28/2017 11,131 10,953 10,962 10,893 10,867 11,321 12,198 13,032 13,563 14,186 14,855 14,857 14,517 14,006 14,913 14,717 14,455 13,749 13,845 13,749 13,470 13,470 13,470 12,561	5/29/2017 11,210 11,035 10,887 10,952 10,983 10,681 11,281 12,336 13,472 14,209 14,362 14,450 14,450 14,504	5/30/2017 13,028 13,016 12,828 13,423 14,534 15,159 16,914 16,174 10,158 10,172 10,741 20,209 10,807 10,279 18,547 18,288 17,747 17,227 17,523 17,152 17,152 15,617	5/31/2017  14,920 14,258 14,233 14,390 15,278 15,955 17,027 18,014 18,889 10,149 10,782 10,907 11,941 15,955 17,907 17,968 17,900 17,967 17,968 17,900 17,967 17,960 17,960 17,960 17,960 17,960 17,960 17,960 18,96











GENERATING ASSOCIATION

Omega Joint Venture Two

1111 Schrock Rd, Suite 100

COLUMBUS, OHIO 43229

PHONE: (614) 540-1111

FAX: (614) 540-1078

City of Napoleon

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

INVOICE NUMBER:

198120

INVOICE DATE:

6/9/2017

DUE DATE:

6/19/2017

TOTAL AMOUNT DUE:

\$675.77

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 -

May, 2017

FIXED RATE CHARGE:

264 kW \*

\$2.53 / kW =

\$667.92

ENERGY CHARGE:

\$0.000000 / kWh =

\$0.00

SERVICE FEES:

\$0.000000 / kWh =

\$0.00

0 kWh \*

Fuel Costs that were not recovered through Energy Sales to Market

\$7.85

TOTAL CHARGES

\$675.77

t To avoid a deleved asymptet shares asymptet he made to provide



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:

198200

INVOICE DATE:

6/1/2017

DUE DATE:

6/12/2017

TOTAL AMOUNT DUE:

\$81,420.75

**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:

May, 2017

**DEMAND CHARGES:** 

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

		3,088 kW =	\$39,094.09
\$0.000000	/ kW *	3,088 kW =	\$0.00
12.660003	/ kW *	3,088 kW =	\$39,094.09
40.040400	11.00%	2 207 472 NNh -	\$42.326.66
\$0.000000	/ kVVh *	2,297,472 KVVN =	\$0.00
\$0.018423	/ kWh *	2,297,472 kWh =	\$42,326.66
	\$12.660003 \$0.018423 \$0.000000	\$12.660003  / kW * \$0.018423  / kWh * \$0.000000  / kWh *	\$12.660003

SUB-TOTAL

\$81,420.75



INVOICE NUMBER:

198242

INVOICE DATE:

6/1/2017

DUE DATE:

6/12/2017

TOTAL AMOUNT DUE:

\$55,367.84

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

City of Napoleon

FOR THE MONTH/YEAR OF:

June, 2017

Gregory J. Heath, Finance Director 255 W. Riverview Ave., P.O. Box 151

Napoleon, Ohio 43545-0151

Financing CHARGES:

Debt Service

\$17.930000

/ kW \*

3,088 kW =

\$55,367.84



AMERICAN MUNICIPAL POWER, INC.

1111 Schrock Rd, Suite 100 COLUMBUS, OHIO 43229

PHONE: (614) 540-1111

FAX: (614) 540-1078

INVOICE NUMBER:

198260

INVOICE DATE:

6/2/2017

DUE DATE:

6/16/2017 \$1,545.40

TOTAL AMOUNT DUE: 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 2017

Electric Fixed

300 kW \* 5.151 per kW-Month

Total

June, 2017 -

Electric Fixed

\$1,545.40

AMOUNT DUE FOR:

TOTAL CHARGES

\$1,545.40

\* To suid a delayed payment charge, navment must be made to provide

BILLING SUMMARY AND	D COM	VSUMI	PTION for	BILLING C	YCLE -		017	15							DETE
JULY, 2017			1									·	-		
2017 - JULY BILLING WITH JUNE 2017	DATA BIL		TS												
Clare and a	D-4-	Jun-17					Cost / kWH	Jul-16				Aug-16			
Class and/or Schedule	Rate Code	# of	Jun-17	Jun-17	Billed kVa	Cost / kWH	Prior 12 Mo	# of	Jul-16	Jul-16	Cost / kWH	# of	Aug-16	Aug-16	Cost / kWH
Residential (Dom-In)	E1	Bills 3,328	(kWh Usage)	Billed	of Demand	For Month	Average	Bills	(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month
Residential (Dom-In) w/Ecosmart	E1E	3,328	1,527,015	\$185,180.06	0	\$0.1213	\$0.1172	3,340	2,133,169	\$248,418.37	\$0.1165	3,327	2,832,020	\$332,693.75	\$0.1175
Residential (Dom-In - All Electric)	E2	603	3,267 342,122	\$407.28	0	\$0.1247	\$0.1192	9	4,890	\$577.51	\$0.1181	9	7,000	\$827.07	\$0.1182
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	1	474	\$40,611.96	0	\$0.1187	\$0.1157	613	381,668	\$44,540.19	\$0.1167	610	458,361	\$54,279.87	\$0.1184
res (boni-in - All Liec.) w/Lcosman	EZE	1	4/4	\$57.25		\$0.1208	\$0.1183	1	692	\$80.09	\$0.1157	1	796	\$93.91	\$0.1180
Total Residential (Domestic)		3,941	1,872,878	\$226,256.55	0	\$0.1208	\$0.1169	3,963	2,520,419	\$293,616.16	\$0.1165	3,947	3,298,177	\$387,894.60	\$0.1176
Residential (Rural-Out)	ER1	768	570,646	\$72,077.49											
Residential (Rural-Out) w/Ecosmart	ER1E	4	2,168	\$284.64	0	\$0.1263	\$0.1229	757	712,526	\$87,201.53	\$0.1224	760	863,493	\$107,008.31	\$0.123
Residential (Rural-Out - All Electric)	ER2	380	336,298	\$41.751.02	0	\$0.1313	\$0.1271	4	2,470	\$316.19		4	3,000	\$385.56	\$0.128
Res. (Rural-Out - All Electric) w/Ecosmar		2		The second secon	0	\$0.1241	\$0.1214	383	380,642	\$46,371.53	\$0.1218	383	443,608	\$54,903.94	\$0.123
Residential (Rural-Out w/Dmd)				\$200.43	0	\$0.1253	\$0.1229	2	1,606	\$199.48	\$0.1242	2	1,669	\$212.18	\$0.127
Residential (Rural-Out - All Electric w/Dm	ER3	16	20,548	\$2,476.25	250		\$0.1160	16	19,858	\$2,377.56	\$0.1197	16	16,942	\$2,109.31	\$0.124
Residential (Rural-Out - All Electric W/Dm	ER4	9	7,079	\$888.79	63	\$0.1256	\$0.1204	9	7,401	\$917.12	\$0.1239	9	8,540	\$1,073.07	\$0.125
Total Residential (Rural)		1,179	938,338	\$117,678.62	313	\$0.1254	\$0.1222	1,171	1,124,503	\$137,383.41	\$0.1222	1,174	1,337,252	\$165,692.37	\$0.123
													-		
Commercial (1 Ph-In - No Dmd)	EC2	75	43,400	\$6,362.85	14	\$0.1466	\$0.1382	72	47,338	\$6,768.08	\$0.1430	75	48,276	\$7,085.12	\$0.1468
Commercial (1 Ph-Out - No Dmd)	EC2O	45	6,560	\$1,367.13	0	\$0.2084	\$0.1907	46	6,906	\$1,415.05	\$0.2049	46	7,669	\$1,536.40	\$0.2003
T-1-10														***************************************	
Total Commercial (1 Ph) No Dmd		120	49,960	\$7,729.98	14	\$0.1547	\$0.1456	118	54,244	\$8,183.13	\$0.1509	121	55,945	\$8,621.52	\$0.1541
Commercial (1 Ph-In - w/Demand)	EC1	256	268,763	\$40,193.38	1782	\$0.1495	\$0.1432	257	297,012	\$43,203.06	\$0.1455	258	352,786	\$50,743.54	\$0.1438
Commercial (1 Ph-Out - w/Demand)	EC10	26	27,175	\$3,967.06	159	\$0.1460	\$0.1411	26	38,595	\$5,289.71	\$0.1371	25	30,982	\$4,512.62	\$0.1436
		*********	***************************************								90.1071	20	30,902	34,312.02	\$0.1437
Total Commercial (1 Ph) w/Demand		282	295,938	\$44,160.44	1,941	\$0.1492	\$0.1430	283	335,607	\$48,492.77	\$0.1445	283	383,768	\$55,256.16	\$0.1440
Commercial (3 Ph-Out - No Dmd)	EC40	2	40	\$41.04	3	\$1.0260	\$0.1391	2	40	\$41.00	\$1.0250	2	80	\$46.26	\$0.5783
Total Commercial (3 Ph) No Dmd		2	40	\$41.04	3	\$1.0260	\$0.1391	2	40	\$41.00	\$1.0250	2	80	\$46.26	\$0.5783
															40.010
Commercial (3 Ph-In - w/Demand)	EC3	202	1,271,587	\$161,852.65	4823	\$0.1273	\$0.1257	201	1,379,117	\$172,587.98	\$0.1251	203	1,595,241	\$203,673.47	\$0.1277
Commercial (3 Ph-Out - w/Demand)	EC3O	38	257,890	\$33,508.33	1199	\$0.1299	\$0.1245	39	283,681	\$36,648.60	\$0.1292	39	317,778	\$41,164.85	\$0.1295
Commercial (3 Ph-Out - w/Dmd &Sub-St.	E3SO	3	103,680	\$12,477.42	449	\$0.1203	\$0.1175	3	120,080	\$14,126.22	\$0.1176	3	139,680	\$16,763.38	\$0.1200
Commercial (3 Ph-In - w/Demand, No Ta.	EC3T	1	1,840	\$233.64	6	\$0.1270	\$0.1289	1	1,880	\$235.92	\$0.1255	1	3,120	\$442.73	\$0.1419
Total Commercial (3 Ph) w/Demand		244	1,634,997	\$208,072.04	6,477	\$0.1273	\$0,1249	244	1,784,758	\$223,598.72		246			
									1,704,730	\$225,530.12	\$0.1255	240	2,055,819	\$262,044.43	\$0.1275
Large Power (In - w/Dmd & Rct)	EL1	20	2,037,358	\$213,321.76	4979	\$0.1047	\$0.1020	21	2,611,643	\$261,934.52	\$0.1003	21	2,731,809	\$284,732.35	\$0.1042
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	3		\$100,329.11	2098	\$0.0941	\$0.0953	3	975,151	\$92,615.26	\$0.0950	3	921,926	\$91,984.54	\$0.0998
Large Power (Out - w/Dmd & Rct, w/SbC	EL20	1	368,400	\$39,487.89	990	\$0.1072	\$0.0986	1_	405,600	\$40,258.99	\$0.0993	1	398,400	\$40,709.41	\$0.1022
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	75,664	\$7,986.26	193			2	74,535	\$14,994.13		2	75,019	\$15,989.77	\$0.213
Total Large Power		26	3,547,163	\$361,125.02	8,260			27		***************************************					
Industrial (In - w/Dmd & Rct, w/SbCr)	F14								4,066,929	\$409,802.90		27	4,127,154	\$433,416.07	\$0.1050
Industrial (In - w/Dmd & Rct, W/SbCr)	EI1	1	1,071,317	\$92,026.12	1815	\$0.0859		1	989,828	\$87,858.45	\$0.0888	1	1,050,981	\$94,370.91	\$0.0898
industrial (iii - W/Dirid & RCt, No/SDCt)	EIZ	<u> </u>	1,050,109	\$87,223.59	1531	\$0.0831	\$0.0870	1	1,001,560	\$85,009.44	\$0.0849	1	989,846	\$88,326.21	\$0.0892
Total Industrial		2	2,121,426	\$179,249.71	3,346	\$0.0845	\$0.0879	2	1,991,388	\$172,867.89	\$0.0868	2	2,040,827	\$182,697.12	\$0.089
Interdepartmental (In - No Dmd)	ED1	8	28,258	62 502 62	104	60 4040	00 4470		07.550						
Interdepartmental (Out - w/Dmd)	ED20			\$3,502.62				7	37,530	\$4,545.42	\$0.1211	7	39,363	\$4,882.68	\$0.1240
Interdepartmental (In - w/Dmd)		2		\$69.99		\$0.1923		2		\$102.05	\$0.1635	2	861	\$134.56	\$0.1563
	ED2	26		\$3,380.02		\$0.1388		30	23,144	\$3,251.87	\$0.1405	31	24,898	\$3,566.86	\$0.1433
Interdepartmental (3Ph-In - w/Dmd)	ED3	11		\$23,854.96				11	167,921	\$19,556.26	\$0.1165	11	174,247	\$21,123.86	\$0.1212
Interdepartmental (Street Lights)	EDSL	7		\$5,830.15		\$0.0927	\$0.0926	7	62,879	\$5,850.15	\$0.0930	7	62,879	\$5,849.08	\$0.0936
Interdepartmental (Traffic Signals)	EDTS	9		\$142.67		\$0.0925		9	1,702	\$157.37	\$0.0925	9	1,649	\$152.46	\$0.092
Generators (JV2 Power Cost Only)	GJV2	1		\$570.31	34			1	16,509	\$227.66	\$0.0138	1	14,549	\$61.40	\$0.0042
Generators (JV5 Power Cost Only)	GJV5	1	12,735	\$375.81	21	\$0.0295	\$0.0000	1	12,432	\$171.44	\$0.0138	1	11,829	\$49.92	\$0.0042
Total Interdepartmental		65	348,185	\$37,726.53	1,032	\$0.1084	\$0.1086	68	322,741	\$33,862.22	\$0.1049	69	330,275	\$35,820.82	\$0.108
SUB-TOTAL CONSUMPTION & DEMAN	D	5,861	10,808,925	\$1,182,039.93		\$0.1094	\$0.1099	5,878	12,200,629	\$1,327,848.20	\$0.1088	5,871	13,629,297	\$1,531,489.35	\$0.112
										==========					
Street Lights (In)	SLO	14	0	\$13.44		\$0,000	80,000			045.75	***************************************				
Street Lights (Out)	SLOO	2			- 0	\$0.0000		16	0	\$13.73		16	0	\$13.73	
To Year	0200	1	0	\$1.91		\$0.0000	\$0.0000	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.000
Total Street Light Only		16	0	\$15.35	0	\$0.0000	\$0.0000	18	0	\$14.50	\$0.0000	18	0	\$14.50	\$0,000
TOTAL CONSUMPTION & DEMAND		5,877	10,808,925	\$1,182,055.28	21,386	\$0.1094	\$0.1099	5,896	12,200,629	\$1,327,862.70	\$0.1088	5,889	13,629,297	\$1,531,503.85	\$0.1124
				=========						=========	30.1000	THE RESERVE AND ADDRESS.	13,023,237	=========	\$0.1124

ELECTRIC							DILLING	DETERMINAN									
<u>BILLING SUMMARY AND</u>	COV				-												
JULY, 2017	5474.50																
2017 - JULY BILLING WITH JUNE 2017	DATABIL	Sep-16				Oct-16				Nov-16			T	Dec-16			
Class and/or	Rate	# of	Sep-16	Sep-16	Cost / kWH	# of	Oct-16	Oct-16	Cost / kWH	# of	Nov-16	Nov-16	Cost / kWH	# of	Dec-16	Dec-16	Cost / kWH
Schedule	Code		(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month
Residential (Dom-In)	E1	3,339	3,439,128	\$405,561.66	\$0.1179	3,324	3,116,816	\$358,640.04	\$0.1151	3,318	2,147,731	\$242,932.58		3,336	1,581,730	\$183,002.56	\$0.1157
Residential (Dom-In) w/Ecosmart	E1E	9	7,961	\$946.73	\$0.1189	9	6,928	\$806.87	\$0.1165	9	4,777	\$550.03		9	3,850	\$450.79	\$0.1171
Residential (Dom-In - All Electric)	E2	508	519,149	\$61,850.34	\$0.1191	608	469,940	\$54,713.23	\$0.1164	610	350,406	\$40,046.25		609	334,728	\$38,111.29	\$0.1139
Res.(Dom-in - All Elec.) w/Ecosmart	E2E	1	1,026	\$121.06	\$0.1180	1	844	\$97.71	\$0.1158	1	609	\$69.24	\$0.1137	1	463	\$53.72	\$0.1160
Total Residential (Domestic)		3,957	3,967,264	\$468,479.79	\$0.1181	3,942	3,594,528	\$414,257.85	\$0.1152	3,938	2,503,523	\$283,598.10	\$0.1133	3,955	1,920,771	\$221,618.36	\$0.1154
		700	204 446	6400 507 50	60 4045	759	884,230	\$107,817.96	\$0.1219	761	655,236	\$78,722.02	\$0.1201	758	608,892	\$73,171.67	\$0.1202
Residential (Rural-Out)	ER1	760	984,416	\$122,587.50	\$0.1245 \$0.1286	759	3,185	\$401.26	\$0.1219	4	2,236	\$282.84	\$0.1265	4	2,668	\$327.66	\$0.1228
Residential (Rural-Out) w/Ecosmart	ER1E	382	3,422 509,155	\$440.00 \$63.286.00	\$0.1266	382	467,015	\$56,756.10	\$0.1200	381	359,421	\$42,825.95	\$0.1192	382	362,974	\$42,933.79	\$0.1183
Residential (Rural-Out - All Electric)	ER2		2,157	\$272.02	\$0.1243	2	1,724	\$215.45	\$0.1250	2	1,322	\$163.49		2	1,582	\$190.47	\$0.1204
Res. (Rural-Out - All Electric) w/Ecosmar	ER2E ER3	16	20,579	\$2,560.83	\$0.1201	16	19,261	\$2,341.81	\$0.1216	16	17,439	\$2,051.35		16	46,766	\$5,185.34	\$0.1109
Residential (Rural-Out w/Dmd)		9	9,466		\$0.1244	9	9,576	\$1,175.26	\$0.1227	9	8,288	\$989.52		9	18,500	\$2,079.32	\$0.1124
Residential (Rural-Out - All Electric w/Dm	ER4	9	9,466	\$1,195.61	\$0.1203		9,576	\$1,175.20	\$0.1221								
Total Residential (Rural)		1,173	1,529,195	\$190,341.96	\$0.1245	1,172	1,384,991	\$168,707.84	\$0.1218	1,173	1,043,942	\$125,035.17	\$0.1198	1,171	1,041,382	\$123,888.25	\$0.1190
Commercial (1 Ph-In - No Dmd)	EC2	75	49,252	\$7,295.40	\$0.1481	74	52,027	\$7,461.56	\$0.1434	74	46,563	\$6,545.95	\$0.1406	75	50,946	\$7,049.12	\$0.1384
Commercial (1 Ph-In - No Dmd)	EC2O	47	7,405	\$1,527.13	\$0.2062	45	8,002	\$1,552.94	\$0.1941	45	7,372	\$1,437.56		45	8,932	\$1,620.43	\$0.1814
Commercial (11 II-Out - No Dillo)	2020		1,405	\$7,027.10	TO.EUUZ		0,002										
Total Commercial (1 Ph) No Dmd		122	56,657	\$8,822.53	\$0.1557	119	60,029	\$9,014.50	\$0.1502	119	53,935	\$7,983.51	\$0,1480	120	59,878	\$8,669.55	\$0.1448
Commercial (1 Ph-In - w/Demand)	EC1	258	402,789	\$57,034.99	\$0.1416	258	460,502	\$62,668.02	\$0.1361	258	335,821	\$47,217.20	\$0.1406	259	284,650	\$41,080.72	\$0.1443
Commercial (1 Ph-Out - w/Demand)	EC10	25	37,237	\$5,295.75	\$0.1422	25	38,742	\$5,266.86	\$0.1359	25	30,652	\$4,264.42	\$0.1391	25	27,577	\$3,864.86	\$0.1401
															240.007	*************	*0.4440
Total Commercial (1 Ph) w/Demand		283	440,026	\$62,330.74	\$0.1417	283	499,244	\$67,934.88	\$0.1361	283	366,473	\$51,481.62	\$0.1405	284	312,227	\$44,945.58	\$0.1440
Commercial (3 Ph-Out - No Dmd)	EC40	2	40	\$41.20	\$1.0300	2	40	\$41.06	\$1.0265	2	40	\$40.87	\$1.0218	2	40	\$40.84	\$1.0210
Total Commercial (3 Ph) No Dmd		2	40	\$41.20	\$1.0300	2	40	\$41.06	\$1.0265	2	40	\$40.87	\$1.0218	2	40	\$40.84	\$1.0210
							L				1 251 253	2400 700 00	\$0,1210	201	1,384,783	\$169,316.91	\$0.1223
Commercial (3 Ph-In - w/Demand)	EC3	202	1,740,671	\$223,495.26	\$0.1284		1,914,635	\$238,552.14			1,651,057	\$199,730.82	THE RESERVE THE PERSON NAMED IN COLUMN 2 I	38	557,691	\$64,658.85	\$0.1159
Commercial (3 Ph-Out - w/Demand)	EC3O	40	412,439	\$52,282.08	\$0.1268	38	415,582	\$51,509.04			412,387	\$49,235.84	No. of the Party o	30	139,320	\$15,472.45	\$0.1111
Commercial (3 Ph-Out - w/Dmd.&Sub-St.	E3SO	3	145,680	\$17,795.85	\$0.1222	3		\$16,789.77			133,720 5,680	\$15,002.98 \$686.81		1	3,320	\$439.88	\$0.1325
Commercial (3 Ph-In - w/Demand, No Ta:	EC3T	1	4,800	\$637.44	\$0.1328	1	6,240	\$771.43	\$0.1236	1	5,660	\$000.01	30,1203		3,320		ψ0,1020
Total Commercial (3 Ph) w/Demand		246	2,303,590	\$294,210.63	\$0.1277	244	2,479,297	\$307,622.38	\$0.1241	245	2,202,844	\$264,656.45	\$0.1201	243	2,085,114	\$249,888.09	\$0.1198
Large Power (In - w/Dmd & Rct)	EL1	21	3,037,231	\$311,034.61	\$0,1024	21	2,685,366	\$284,900.17	\$0.1061	20	2,303,124	\$218,711.68	\$0.0950	20	2,210,942	\$210,920.21	\$0.0954
	EL2			\$107,637.55	4			\$96,026.30	-		966,087	\$86,575.44		3	887,321	\$79,476.15	\$0.0896
Large Power (In - w/Dmd & Rct, w/SbCr)		3	1,112,508		The second second second second second			\$45,851.97		A STREET OF THE PARTY OF THE PA	THE RESERVE THE PERSON NAMED IN COLUMN 1	\$44,870.95	NAME OF TAXABLE PARTY.	1	The second secon	\$42,120.83	
Large Power (Out - w/Dmd & Rct, w/SbC	EL20	1		\$45,502.92				\$13,439.88	CANADA STATE OF THE PARTY OF THE PARTY OF		45,195	\$8,059.22		2	36,000	\$3,604.02	
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	77,094	\$18,053.44	\$0.2342		75,074	\$13,439.00	30.1770		45,195	40,000.22					
Total Large Power		27	4,678,033	\$482,228.52	\$0.1031	27	4,241,282	\$440,218.32	\$0.1038	26	3,789,606	\$358,217.29	\$0.0945	26	3,608,263	\$336,121.21	\$0.0932
Industrial (In - w/Dmd & Rct, w/SbCr)	El1	1	1,180,028	\$105,636.89	\$0.0895	1	1,140,292	\$99,897.30	\$0.0876	1	1,120,127	\$93,821.52	\$0.0838	1	1,026,149	\$85,785.78	\$0.0836
Industrial (In - w/Dmd & Rct, W/SbCr)	EI2	1	1,067,043	\$94,185.61	\$0.0883	1	1,004,383	\$87,514.48		1	866,459	\$74,763.55		1	877,066	\$77,044.35	\$0.0878
									-						4 002 245	£462 820 42	\$0.0856
Total Industrial		2	2,247,071	\$199,822.50	\$0.0889	2	2,144,675	\$187,411.78	\$0.0874	2	1,986,586	\$168,585.07	\$0.0849	2	1,903,215	\$162,830.13	30.0656
Interdepartmental (In - No Dmd)	ED1	8	91,948	\$10,692.83	\$0,1163	8	42,268	\$5,155.27	\$0.1220	8	32,523	\$3,903.77	\$0.1200	8	34,023	\$3,760.94	\$0.1105
Interdepartmental (in - No Dind)	ED20	2		\$144.21		2		\$123.43				\$72.33		2	294	\$59.69	\$0.2030
Interdepartmental (Out - W/Dmd)	ED20	27		\$3,716.02		-		\$3,515.77				\$2,928.44		27		\$4,716.41	\$0.1297
		11		\$20,410.43				\$25,016.23				\$23,420.90		11		\$20,119.76	
Interdepartmental (3Ph-In - w/Dmd)	ED3	7					The same of the sa	\$5,851.14		7		\$5,849.08		7	62,879	\$5,851.14	
Interdepartmental (Street Lights) Interdepartmental (Traffic Signals)	EDSL EDTS	9	Market and the Research of Control of the Control o	\$5,849.08 \$146.25				\$164.85				\$158.67		9	1,881	\$173.91	
Generators (JV2 Power Cost Only)	GJV2	1		\$140.23			16,181	\$1,059.37			+	\$1,768.25		1	19,755	\$1,142.63	
Generators (JV5 Power Cost Only)  Generators (JV5 Power Cost Only)	GJV2 GJV5	1	11,827	\$130.10	The same of the sa		12,410	\$812.48				\$1,240.42		1	13,591	\$786.10	
									-		250 470	620 244 86	en 1105		351 775	\$36,610.58	\$0.1041
Total Interdepartmental		66	374,576	\$41,240.06	\$0.1101	66	376,439	\$41,698.54	\$0.1108		356,179	\$39,341.80		66	351,775		
SUB-TOTAL CONSUMPTION & DEMAN	D	5,878	15,596,452	\$1,747,517.93	THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN THE OWNER, THE OWNER, THE PERSON NAMED IN THE OWNER, THE	5,857	14,780,525	\$1,636,907.15	+		12,303,128	\$1,298,939.9	water and the same of the same	5,869	11,282,665	\$1,184,612.59	
										1		645 7	en 0000	10		e12 74	\$0.0000
Street Lights (In)	SLO	16		\$12.99				\$13.74				\$13.7		16	0	\$13.74 \$0.77	+
Street Lights (Out)	SLOO	2	0	\$0.77	\$0.0000	2	0	\$0.7	7 \$0.0000	2	0	\$1.93	2 \$0.0000			<b>3</b> U.77	. 30.0000
Total Street Light Only		18	0	\$13.76	\$0.0000	18	0	\$14.5	1 \$0.0000	18	0	\$15.6	5 \$0.0000	18	0	\$14.51	\$0.0000
TOTAL CONSUMPTION & DEMAND		5,896	15,596,452	\$1,747,531.69	\$0.1120			\$1,636,921.6				\$1,298,955.5		5,887	And in column to the last the column to the	\$1,184,627.10	+
		=====				======		==========	=	=====		=========	= [	=====		==========	

DETERMINANTS

BILLING SUMMARY AND COA	45 \$0.1189 50 \$0.11145 52 \$0.1189	ost / kWH or Month SO 1104 SO 1189 SO 1112 SO 1189 SO 1112 SO 1189 SO 1112 SO 1189 SO 1102 SO 1252 SO 1252 SO 1176 SO 1181 SO 1146 SO 1190 SO 1191 SO 1421 SO 1878 SO 1432 SO 1432 SO 1377	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
September   Sept	For Month	ost / kWH or Month SO 1104 SO 1189 SO 1112 SO 1189 SO 1112 SO 1189 SO 1112 SO 1189 SO 1102 SO 1252 SO 1252 SO 1176 SO 1181 SO 1146 SO 1190 SO 1191 SO 1421 SO 1878 SO 1432 SO 1432 SO 1377	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Case sarder	For Month	ost / kWH or Month SO 1104 SO 1189 SO 1112 SO 1189 SO 1112 SO 1189 SO 1112 SO 1189 SO 1102 SO 1252 SO 1252 SO 1176 SO 1181 SO 1146 SO 1190 SO 1191 SO 1421 SO 1878 SO 1432 SO 1432 SO 1377	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Class androfe Seed 800 500 500 500 500 500 500 500 500 500	For Month	ost / kWH or Month SO 1104 SO 1189 SO 1112 SO 1189 SO 1112 SO 1189 SO 1112 SO 1189 SO 1102 SO 1252 SO 1252 SO 1176 SO 1181 SO 1146 SO 1190 SO 1191 SO 1421 SO 1878 SO 1432 SO 1432 SO 1377	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Standard   Cont   Cont   Standard   Cont   Standard	For Month	or Month \$0.1154 \$0.1159 \$0.1189 \$0.1112 \$0.1189 \$0.1145 \$0.1202 \$0.1252 \$0.1176 \$0.1189 \$0.1146 \$0.1191 \$0.1189 \$0.1189 \$0.1181 \$0.1181 \$0.1181 \$0.1181 \$0.1181 \$0.1187	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Residential (Comello) (Com	02 \$0.1154 45 \$0.1189 .50 \$0.1112 .52 \$0.1189 .49 \$0.1202 .73 \$0.1252 .44 \$0.1176 .53 \$0.1181 .43 \$0.1176 .33 \$0.1190 .95 \$0.1191 .34 \$0.1421 .36 \$0.1878 .70 \$0.1492 .45 \$0.1492 .45 \$0.1432 .97 \$0.1377 .42 \$0.1427 .52 \$0.3470	\$0.1154 \$0.1189 \$0.11189 \$0.11145 \$0.1145 \$0.1202 \$0.1252 \$0.1252 \$0.1175 \$0.1181 \$0.1146 \$0.1191 \$0.1191 \$0.1421 \$0.1878 \$0.1421 \$0.1	4 9 9 2 2 2 2 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6
Readerliag (Com.In) wifecomant   E1E   9   4.22   5497 76   30.179   9   4.875   5800.071   50.122   9   4.007   555.368   50.1268   9   3.070   570	45 \$0.1189 50 \$0.11145 52 \$0.1189	\$0.1189 \$0.1112 \$0.1189 \$0.1189 \$0.1202 \$0.1252 \$0.1176 \$0.1176 \$0.1191 \$0.1191 \$0.1421 \$0.1878 \$0.1421 \$0.142	9 2 2 9 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6
Residential (Domin - Al Electric)  2	.50 \$0.1112 .52 \$0.1189 	\$0.1112 \$0.1189 \$0.1145 \$0.1202 \$0.1252 \$0.1176 \$0.1181 \$0.1181 \$0.1181 \$0.1191 \$0.1878 \$0.1878 \$0.1492 \$0.1492 \$0.1492 \$0.1492	2 99 55 55 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
Res (Commercial (Phil-No Dom)   Commercial (Phil-No Dom)   CC2   47   74,80   35,00   50,177   15,00   50,175	52 \$0.1189 .49 \$0.1145 .49 \$0.1202 .73 \$0.1252 .44 \$0.1176 .53 \$0.1181 .43 \$0.1146 .33 \$0.1190 .95 \$0.1191 .34 \$0.1421 .36 \$0.1878 .70 \$0.1492 .45 \$0.1432 .97 \$0.1377 .42 \$0.1427 .52 \$0.3470	\$0.1189 \$0.1145 \$0.1202 \$0.1252 \$0.176 \$0.1181 \$0.1146 \$0.1191 \$0.1421 \$0.1878 \$0.1422 \$0.1432 \$0.1432 \$0.1377	9
Total Residential (Domestic)  3,846 2,617,920 3,928,861,280 50,1142 3,939 3,929,99 3,937,03.57 3,01192 3,947 2,955,866 3,959,865 3,959,8		\$0.1145 \$0.1202 \$0.1252 \$0.1252 \$0.1176 \$0.1176 \$0.1190 \$0.1191 \$0.1421 \$0.1878 \$0.1492 \$0.1492 \$0.1432 \$0.1377	2 2 2 2 6 6 1 1 6 6 0 0 0 1 1
Residential (Fund-Out) ER1 59 73.151 \$03.567.10 \$0.1195 762 \$42.866 \$117,717.64 \$0.1249 763 \$64.3115 \$107.464.00 \$0.1275 762 \$47.865 \$107.775 864.000 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 4 \$2.660 \$10.1275 \$10.1275 \$10.1275 4 \$2.660 \$10.1275 \$10.12	.49 \$0.1202 .73 \$0.1252 .44 \$0.1176 .53 \$0.1181 .43 \$0.1140 .33 \$0.1190 .95 \$0.1491 .34 \$0.1421 .36 \$0.1878 .70 \$0.1492 .45 \$0.1432 .97 \$0.1377 .42 \$0.1427 .52 \$0.3470	\$0.1202 \$0.1252 \$0.1176 \$0.1181 \$0.1146 \$0.1191 \$0.1421 \$0.1878 \$0.1422 \$0.1432 \$0.1432	2 2 2 6 6 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2
Residential (Rural-Out) wiScosmart   ER1E   4   3,302   540,77   50   1220   4   3,884   5400,49   50   1273   4   2,600   535,527   50   1335   4   2,404   550,788   Residential (Rural-Out - All Electinic wiScosmart   Regidential (Rural-Out wiSc	7.3 \$0.1252 44 \$0.1176 53 \$0.1181 43 \$0.1146 33 \$0.1190 	\$0.1252 \$0.1176 \$0.1181 \$0.1146 \$0.1190 \$0.1191 \$0.1421 \$0.1421 \$0.1478 \$0.1492 \$0.1432 \$0.1432	2 6 1 6 0 - 1 1 1 8 - 2
Residential (Fund-Out - All Decimp   ER2   3,302   340,77   501220   4   3,844   5490   30,1273   4   2,660   5355.22   50,1335   4   24.49   500   50	7.3 \$0.1252 44 \$0.1176 53 \$0.1181 43 \$0.1146 33 \$0.1190 	\$0.1252 \$0.1176 \$0.1181 \$0.1146 \$0.1190 \$0.1191 \$0.1421 \$0.1421 \$0.1478 \$0.1492 \$0.1432 \$0.1432	2 6 1 6 0 - 1 1 1 8 - 2
Readefinial (Flural-Out - All Electinic) ER2 382 501.415 58.868.46 30 1.174 380 612.505 575.37.702 50 1230 379 540.436 587.765.59 50 1254 380 433.094 33.094 35.094   Readefinial (Flural-Out wOrld) ER3 10 141.108 30 1175 1 1.000 100 100 100 100 100 100 100 100	.44 \$0.1176 .53 \$0.1181 .43 \$0.1143 .33 \$0.1190 .95 \$0.1191 .34 \$0.1421 .36 \$0.1878 .70 \$0.1492 .45 \$0.1432 .97 \$0.137742 \$0.1427 .52 \$0.3470	\$0.1176 \$0.1181 \$0.1146 \$0.1190 \$0.1191 \$0.1421 \$0.1878 \$0.1492 \$0.1432 \$0.1377	6 1 6 0 1 1 1 8 2
Res. (Pural-Out - All Electinic Wiccosams   RRE   2   2,472   3291 48   301719   2   3,072   \$379.07   \$01234   2   2,756   \$346.66   \$01257   2   2,181   \$325.66   \$345.26   \$345.22   \$	.53 \$0.1181 43 \$0.1146 33 \$0.1190 	\$0.1181 \$0.1146 \$0.1190 \$0.1191 \$0.1421 \$0.1878 \$0.1492 \$0.1432 \$0.1377	1 6 0 - 1 1 1 8 8 - 2
Residential (Rural)  Fig. 1,172  Fig. 1,453,255  Fig. 1,180,435  Fig. 1,173  Fig. 1,173  Fig. 1,173  Fig. 1,173  Fig. 1,174  Fig.	.33 \$0.1190 .95 \$0.1191 .34 \$0.1421 .36 \$0.1878 .70 \$0.1492 .45 \$0.1432 .97 \$0.1377 	\$0.1190 \$0.1191 \$0.1421 \$0.1878 \$0.1492 \$0.1432 \$0.1377	1 1 8 - 2
Total Commercial († Ph-In - wDemand) EC1 255 273,985 39,686 83 50 1446 1476 25 226,00 1486 27 27 273 23 236 77,80 149 149 150		\$0.1191 \$0.1421 \$0.1878 \$0.1492 \$0.1432 \$0.1377	11 88 -
Commercial (1 Ph-In - No Dmd) EC2 74 74 830 87,157 52 80 987 74 83225 \$7,800 15 80 1466 74 53,347 \$7,901 22 \$0.1481 75 44 744 \$5.335	34 \$0.1421 36 \$0.1878 70 \$0.1492 45 \$0.1432 97 \$0.1377 42 \$0.1427	\$0.1421 \$0.1878 \$0.1492 \$0.1432 \$0.1377	1 8 2 2
Commercial (1 Ph-Out - No Dmd)	.36 \$0.1878 .70 \$0.1492 .45 \$0.1432 .97 \$0.1377  .42 \$0.1427 .52 \$0.3470	\$0.1492 \$0.1432 \$0.1377	2
Commercial (1 Ph-Out - No Dmd)	.36 \$0.1878 .70 \$0.1492 .45 \$0.1432 .97 \$0.1377  .42 \$0.1427 .52 \$0.3470	\$0.1492 \$0.1432 \$0.1377	2
Total Commercial (1 Ph) No Dmd 119 85,746 \$9,040.10 \$0.1054 119 64,288 \$9,778.73 \$0.1521 119 62,953 \$9,705.76 \$0.1542 120 \$2,988 \$7,90 \$7,905 \$9,947.13.63 \$0.1448 255 \$32,596 \$9,473.13.63 \$0.1451 256 \$321,809 \$47,358.58 \$0.1472 257 277,332 \$39,71 \$0.1521 \$1,900		\$0.1492 \$0.1432 \$0.1377	2
Commercial (1 Ph-In - w/Demand)	.45 \$0.1432 .97 \$0.1377 .42 \$0.1427 .52 \$0.3470	\$0.1432 \$0.1377	2
Commercial (1 Ph-Out - w/Demand) EC10 25 28,864 \$4,173.69 \$0.1446 25 33.753 \$4.888.09 \$0.1446 25 32,53 \$4,737.46 \$0.1455 26 29,327 \$4,037 \$4,000 \$1,0	97 \$0.1377 .42 \$0.1427 .52 \$0.3470	\$0.1377	
Commercial (1 Ph-Out - w/Demand) EC10 25 28.864 \$4.173.69 \$0.1446 25 33.753 \$4.888.09 \$0.1446 25 32.53 \$4.737.46 \$0.1455 26 29.327 \$4.03 \$1.00 \$	97 \$0.1377 .42 \$0.1427 .52 \$0.3470	\$0.1377	
Total Commercial (3 Ph-Out - No Dmd)	.42 \$0.1427 .52 \$0.3470		1
Commercial (3 Ph-Out - No Dmd) EC4O 2 19,360 \$2,408.74 \$0.1244 2 10,480 \$1,394.50 \$0.1331 2 320 \$78.10 \$0.2441 2 160 \$5.  Total Commercial (3 Ph) No Dmd	.52 \$0.3470	\$0.1427	
Total Commercial (3 Ph.) No Dmd  2 19,360 \$2,408.74 \$50.1244 2 10,480 \$1,394.50 \$0.1331 2 320 \$78.10 \$0.2441 2 160 \$55 \$50 \$10.00 \$1			7
Commercial (3 Ph-In - w/Demand)	.52 \$0.3470	\$0.3470	0
Commercial (3 Ph-Out - w/Demand) EC3O 38 414.816 \$50.699 62 \$0.1222 38 346.995 \$44.259.83 \$0.1276 38 343.866 \$44.728.25 \$0.1301 38 302.041 \$37.06 \$1.00 \$1.0		\$0.3470	0 -
Commercial (3 Ph-Out - w/Demand) EC3O 38 414.816 \$50.699.62 \$0.1222 38 346.995 \$44.259.83 \$0.1276 38 343.866 \$44.728.25 \$0.1301 38 302.041 \$37.06 \$1.00 \$1.0			
Commercial (3 Ph-Out - w/Dmd & Sub-St. E3SO 3 127,120 \$14,446.02 \$0.1136 3 129,120 \$15,765.96 \$0.1221 3 122,800 \$15,112.45 \$0.1231 3 115,480 \$13,160 \$			
Commercial (3 Ph-In - w/Demand, No Ta EC3T 1 1,840 \$263.92 \$0.1434 1 2.000 \$262.01 \$0.1310 1 2,120 \$279.19 \$0.1317 1 2,000 \$24			
Total Commercial (3 Ph) w/Demand			
Large Power (In - w/Dmd & Rct, w/SbCr)	21 \$0.1216	\$0.1216	6
Large Power (In - w/Dmd & Rct, w/SbCr) EL2 3 862,559 \$82,241 06 \$0.0953 3 865,077 \$87,292.90 \$0.1009 3 944,738 \$93,494.69 \$0.0990 3 850,735 \$82,90	.09 \$0.1219	\$0.1219	9
Large Power (In - w/Dmd & Rct, w/SbCr) EL2 3 862,559 \$82,241.06 \$0.0953 3 865,077 \$87,292.90 \$0.1009 3 944,738 \$93,494.69 \$0.0990 3 850,735 \$82,90			_
Large Power (Out - w/Dmd & Rct, w/SbC ) EL2O 1 428,400 \$41,057.53 \$0.0958 1 334,800 \$37,097.96 \$0.1108 1 418,800 \$42,960.40 \$0.1026 1 396,000 \$37.29   Large Power (In - w/Dmd & Rct, w/SbCr) EL3 2 57,600 \$5.119.35 \$0.0889 2 56,176 \$8,110.51 \$0.1444 2 88,446 \$9,975.60 \$0.1128 2 74,895 \$6,90   Total Large Power 26 3,251,647 \$321,882.01 \$0.0990 26 3,155,457 \$333,802.40 \$0.1058 26 3,453,731 \$355,657.94 \$0.1030 26 3,262,673 \$326,08   Industrial (In - w/Dmd & Rct, w/SbCr) EI1 1 977,328 \$87,084.23 \$0.0891 1 847,132 \$84,562.83 \$0.0998 1 1,057,395 \$101,258.49 \$0.0958 1 971,093 \$85,01			
Large Power (In - w/Dmd & Rct, w/SbCr) EL3 2 57,600 \$5,119.35 \$0.0889 2 56,176 \$8,110.51 \$0.1444 2 88,446 \$9,975.60 \$0.1128 2 74,895 \$5,690 \$0.000 \$0			
Total Large Power 26 3,251,647 \$321,882.01 \$0.0990 26 3,155,457 \$333,802.40 \$0.1058 26 3,453,731 \$355,657.94 \$0.1030 26 3,262,573 \$326,08   Industrial (In - w/Dmd & Rct, w/SbCr) EII 1 977,328 \$87,084.23 \$0.0891 1 847,132 \$84,562.83 \$0.0998 1 1,057,395 \$101,258.49 \$0.0958 1 971,093 \$85,01			
Industrial (In - w/Dmd & Rct, w/SbCr) EII 1 977,328 \$87,084.23 \$0.0891 1 847,132 \$84,562.83 \$0.0998 1 1,057,395 \$101,258.49 \$0.0958 1 971,093 \$85,01	.43 \$0.0922	\$0.0922	2
Individual Control Con	1.13 \$0.0999	\$0.0999	9
led which life and the control of th			
Industrial (In - W/Dmd & Rct, No/SbCr) El2 1 941,807 \$77,491.53 \$0.0823 1 890,615 \$83,601.93 \$0.0939 1 885,784 \$82,030.37 \$0.0926 1 721.823 \$64,22	.48 \$0.0890	\$0.0890	10
Total Industrial 2 1,919,135 \$164,575.76 \$0.0858 2 1,737,747 \$168,164.76 \$0.0968 2 1,943,179 \$183,288.86 \$0.0943 2 1,692,916 \$149,24	0.39 \$0.0882	\$0.0882	2
Interdepartmental (In - No Dmd) ED1 8 46,967 \$5,248.57 \$0.1118 7 61.380 \$7,090.99 \$0.1155 7 53.690 \$6.335.78 \$0.1180 7 41.616 \$4.73			_
		The state of the s	-
VI. 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	21 \$0.2498		
50,001 D 10			
20,100			
Consider (IVA Devis Cost Oct )			
Constitute (IVE Day Control   24,301   920	2.56 \$0.0113 3.31 \$0.0113		
	5.92 \$0.1011	\$0.1011	1
SUB-TOTAL CONSUMPTION & DEMAND 5,858 11,920,590 \$1,284,191.20 \$0.1077 5,849 12,599,019 \$1,454,280.28 \$0.1154 5,860 12,564,289 \$1,441,934.73 \$0.1148 5,868 10,900,705 \$1,178,79		\$0.1081	11
	3.44 \$0.0000	\$0.0000	00
Street Lights (Out) SLOO 2 0 \$0.76 \$0.0000 2 0 \$1.91 \$0.0000 2 0 \$1.92 \$0.0000 2 0 \$	.92 \$0.0000	\$0.0000	00
Total Street Light Only 17 0 \$14.35 \$0.0000 17 0 \$15.49 \$0.0000 16 0 \$15.36 \$0.0000 16 0 \$1		\$0.0000	00
TOTAL CONSUMPTION & DEMAND 5,875 11,920,590 \$1,284,205.55 \$0.1077 5,866 12,599,019 \$1,454,295.77 \$0.1154 5,876 12,564,289 \$1,441,950.09 \$0.1148 5,884 10,900,705 \$1,178,80	5.36 \$0.0000	£0.4004	1

BILLING SUMMARY AND	COM				BIL	LING DETERMI	INAINTS						
JULY, 2017	COL												
2017 - JULY BILLING WITH JUNE 2017 L	DATA BIL								TOTAL	TOTAL	Avg.Cost	Avg.Num, I	Avg.Per.%
Class and/or	Rate	May-17	May-17	Cost / kWH	Jun-17 # of	Jun-17	Jun-17	Cost / kWH	KWH USEAGE	BILLING	Per kWH	of Bills	of Bills
Schedule	Code	(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month	PRIOR 12 MO	PRIOR 12 MO	For Period	For Period	For Period
Residential (Dom-In)	E1	1,930,645	\$223,878.51	\$0.1160	3,328	1,527,015	\$185,180.06	\$0.1213	27,321,188	\$3,201,146.21	\$0.1172	3,329	56.61779
Residential (Dom-In) w/Ecosmart	E1E	3,944	\$470.40	\$0.1193	9	3,267	\$407.28	\$0.1247	59,691	\$7,115.49	\$0.1192	9	0.15319
Residential (Dom-In - All Electric)	E2	527,673	\$59,328.08	\$0.1124	603	342,122	\$40,611.96	\$0.1187	5,968,396	\$690,833.49	\$0.1157	608	10.34289
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	403	\$48.54	\$0.1204	1	474	\$57.25	\$0.1208	7,280	\$861.01	\$0.1183	1	0.01709
Total Residential (Domestic)		2,462,665	\$283,725.53	\$0.1152	3,941	1,872,878	\$226,256.55	\$0,1208	33,356,555	\$3,899,956.20	\$0.1169	3,947	67.13069
· · · · · · · · · · · · · · · · · · ·													
Residential (Rural-Out)	ER1	691,521	\$83,875.65	\$0.1213	768	570,646	\$72,077.49	\$0.1263	9,211,527	\$1,131,922.32	\$0.1229	761	12.94069
Residential (Rural-Out) w/Ecosmart	ER1E	2,393	\$303.91	\$0.1270	4	2,168	\$284.64	\$0.1313	33,807	\$4,297.27	\$0.1271	4	0.06809
Residential (Rural-Out - All Electric)	ER2	437,214	\$51,998.43	\$0.1189	380	336,298	\$41,751.02	\$0.1241	5,383,777	\$653,733.27	\$0.1214	381	6.48099
Res. (Rural-Out - All Electric) w/Ecosmar	ER2E	2,208	\$263.50	\$0.1193	2	1,599	\$200.43	\$0.1253	24,350	\$2,991.68	\$0.1229	46	0.03409
Residential (Rural-Out w/Dmd) Residential (Rural-Out - All Electric w/Dm	ER3 ER4	17,568 7,954	\$2,095.89 \$967.16	\$0.1193 \$0.1216	16	20,548 7,079	\$2,476.25 \$888.79	\$0.1205 \$0.1256	414,941 130,960	\$48,141.30 \$15,761.67	\$0.1160 \$0.1204	16	0.27219
Residential (Rural-Out - All Electric W/Dm	ER4												
Total Residential (Rural)		1,158,858	\$139,504.54	\$0.1204	1,179	938,338	\$117,678.62	\$0.1254	15,199,362	\$1,856,847.51	\$0.1222	1,173	19.94879
Commercial (1 Ph-In - No Dmd)	EC2	49,612	\$7,017.27	\$0.1414	75		\$6,362.85	\$0,1466	613,560	\$84,800.58	\$0.1382	74	1.26429
Commercial (1 Ph-Out - No Dmd)	EC2O	7,962	\$1,523.23	\$0.1913	45	6,560	\$1,367.13	\$0.2084	100,617	\$19,189.93	\$0,1907	45	0.77109
Total Commercial (1 Ph) No Dmd		57,574	\$8,540.50	\$0.1483	120	49,960	\$7,729.98	\$0.1547	714,177	\$103,990.51	\$0.1456	120	2.03519
Commercial (1 Ph-In - w/Demand)	EC1	304,663	\$43,027.24	\$0.1412	256	268,763	\$40,193.38	\$0.1495	3,906,079	\$559,238.64	\$0.1432	257	4.3693%
Commercial (1 Ph-In - W/Demand)  Commercial (1 Ph-Out - w/Demand)	EC10	32,998	\$4,512.13	\$0.1412	256	27,175	\$3,967.06	\$0.1460	388,433	\$54,810.62	\$0.1411	25	0.4323%
Total Commercial (1 Ph) w/Demand		337,661	\$47,539.37	\$0.1408	282	295,938	\$44,160.44	\$0.1492	4,294,512	\$614,049.26	\$0.1430	282	4.8015%
Total Commercial (1 Fil) Wibelliand													
Commercial (3 Ph-Out - No Dmd)	EC40	200	\$60.68	\$0.3034	2	40	\$41.04	\$1.0260	30,840	\$4,289.81	\$0.1391	2	0.0340%
Total Commercial (3 Ph) No Dmd		200	\$60.68	\$0.3034	2	40	\$41.04	\$1.0260	30,840	\$4,289.81	\$0.1391	2	0.0340%
Commercial (3 Ph-In - w/Demand)	EC3	1,223,048	\$153,154.36	\$0.1252	202	1,271,587	\$161,852.65	\$0.1273	17,420,828	\$2,190,014.83	\$0.1257	202	3.43259
Commercial (3 Ph-Out - w/Demand)	EC3O	289,144	\$36,150.35	\$0.1250	38		\$33,508.33	\$0.1299	4,354,310	\$541,912.22		38	0.6519%
Commercial (3 Ph-Out - w/Dmd.&Sub-St.	E3SO	116,920	\$13,644.18	\$0.1167	3		\$12,477.42	\$0.1203	1,536,440	\$180,556.99		AND PERSONAL PROPERTY AND ADDRESS OF THE PERSON NAMED IN	0.05109
Commercial (3 Ph-In - w/Demand, No Ta.	EC3T	1,760	\$221.06	\$0.1256	1	1,840	\$233.64	\$0.1270	36,600	\$4,717.24	\$0.1289	1	0.01709
Total Commercial (3 Ph) w/Demand		1,630,872	\$203,169.95	\$0.1246	244	1,634,997	\$208,072.04	\$0.1273	23,348,178	\$2,917,201.28	\$0.1249	244	4.15249
Large Power (In - w/Dmd & Rct)	EL1	2,099,798	\$212,872.23	\$0.1014	20	2,037,358	\$213,321.76	\$0,1047	27,462,453	\$2,801,396.15	\$0,1020	20	0.34589
Large Power (in - w/Dmd & Rct, w/SbCr)	EL2	1,057,187	\$97,245.54	\$0.0920	3		\$100,329.11	\$0.0941	11,515,272	\$1,097,825.76	\$	3	0.05109
Large Power (Out - w/Dmd & Rct, w/SbCr)	EL20	430,800	\$41,237.24	\$0.0920	1	368,400	\$39,487.89	\$0.1072	5,055,600	\$498,453.30		1	0.01709
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	75,639	\$6,907.09		2	75,664	\$7,986.26	\$0.1055	811,937	\$119,141.70		2	0.03409
	LLU												
Total Large Power		3,663,424	\$358,262.10	\$0.0978	26	3,547,163	\$361,125.02	\$0.1018	44,845,262	\$4,516,816.91	\$0.1007	26	0.4478%
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	1,029,587	\$88,714.06	\$0.0862	1	1.071,317	\$92,026.12		12,461,257	\$1,106,031.49		1	0.01709
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	1,020,333	\$82,946.17	\$0.0813	1	1,050,109	\$87,223.59	\$0.0831	11,316,828	\$984,362.71	\$0.0870	1	0.01709
Total Industrial		2,049,920	\$171,660.23	\$0.0837	2	2,121,426	\$179,249.71	\$0.0845	23,778,085	\$2,090,394.20	\$0.0879	2	0.03409
Interdepartmental (In - No Dmd)	ED1	40,216	\$4,597.85	\$0.1143	8	28,258	\$3,502.62	\$0.1240	549,782	\$64,448.50	\$0.1172		0.12909
Interdepartmental (In - No Dmd)	ED2O	40,216	\$4,597.85		2		\$69.99		5,491	\$982.69			0.03409
Interdepartmental (Out - w/Dmd)	ED2	37,834	\$4,978.74		26		\$3,380.02		477,266	\$64,041.07			0.46779
Interdepartmental (in - w/Dmd)	ED3	249,137	\$28,194.01	\$0.1310	11		\$23,854.96		2,592,353	\$300,836.86			0.18719
Interdepartmental (Street Lights)	EDSL	62,879	\$5,850.15		7		\$5,830.15		754,548	\$69,858.97			0.11909
Interdepartmental (Traffic Signals)	EDTS	1,705	\$157.65		9		\$142.67	\$0.0925	20,546	\$1,899.62			0.15319
Generators (JV2 Power Cost Only)	GJV2	22,451	\$710.35		1		\$570.31		246,662	\$12,495.13	4		0.01709
Generators (JV5 Power Cost Only)	GJV5	13,779	\$435.97		1		\$375.81			\$7,912.54			0.01709
Total Interdepartmental		428,458	\$45,005.25	\$0.1050	65	348,185	\$37,726.53	\$0.1084	4,808,885	\$522,475.38	\$0.1086	66	1.12399
SUB-TOTAL CONSUMPTION & DEMAN	0	11,789,632	\$1,257,468.15	\$0.1067	5,861	10,808,925	\$1,182,039.93	\$0.1094	150,375,856	\$16,526,021.06	\$0.1099	5,863	99.70819
							=======================================		***********				
Street Lights (In)	SLO	0	\$13.43	\$0.0000	14	0	\$13.44	\$0.0000	0	\$162.58	\$0.0000	15	0.25799
Street Lights (Out)	SLOO	0	\$1.91		2	*****	\$1.91		0	\$16.10			0.0340
Total Street Light Only		0	\$15.34	\$0.0000	16	0	\$15.35	\$0.0000	0	\$178.68	\$0.0000	17	0.2919
													100.00009
TOTAL CONSUMPTION & DEMAND		11,789,632	\$1,257,483.49	\$0.1067	5,877	10,808,925	\$1,182,055.28	\$0.1094	150,375,856	\$16,526,199.74	\$0.1099	5,880	



AMERICAN MUNICIPAL POWER INC ATTN TREASURY DEPT 1111 SCHROCK RD COLUMBUS OH 43229 00- -M -Q -PC -152-04 0116208-00-00546-04 13308 Page 1 of 5

ACCOUNT NUMBER: 12-6239-05 AMERICAN MUNICIPAL POWER, INC. RATE STABILIZATION FUND FOR THE CITY OF NAPOLEON OHIO STABILIZATION FUND

This statement is for the period from May 1, 2017 to May 31, 2017

## QUESTIONS?

If you have any questions regarding your account or this statement, please contact your Account Manager or Analyst.

Account Manager: SCOTT R. MILLER CN-OH-TT4 CN-OH-W6CT 425 WALNUT ST. CINCINNATI, OH 45202 Phone 614-849-3402 E-mail scott.miller6@usbank.com

Analyst: CAROLYN KETCHMARK Phone 651-466-6197



00- -M -Q -PC -152-04 01330804 Page 2 of 5

ACCOUNT NUMBER: 12-6239-05 AMERICAN MUNICIPAL POWER, INC. RATE STABILIZATION FUND FOR THE CITY OF NAPOLEON OHIO STABILIZATION FUND

This statement is for the period from May 1, 2017 to May 31, 2017

MARKET	VALUE SUMMARY	
	Current Period 05/01/17 to 05/31/17	
Beginning Market Value	\$657,528.96	
Investment Results		
Interest, Dividends and Other Income	362.46	
Total Investment Results	\$362.46	
Ending Market Value	\$657,891.42	





00- -M -Q -PC -152-04 01330804 0116208-00-00546-04

13308 Page 3 of 5

ACCOUNT NUMBER: 12-6239-05 AMERICAN MUNICIPAL POWER, INC. RATE STABILIZATION FUND FOR THE CITY OF NAPOLEON OHIO STABILIZATION FUND

This statement is for the period from May 1, 2017 to May 31, 2017

V					eastamppumajouj <del>itosu</del>
Shares or Face Amount	Security Description	Market Value/ Price	Tax Cost/ Unit Cost	% of Total Yield at Market	Est Ann In
Cash Equi	valents				
657,891.420	First American Government Oblig Fd Cl X #5385 31846V336	657,891.42 1.0000	657,891.42 1.00	100.0 .66 *	4,351.56
Total Cash	n Equivalents	\$657,891.42	\$657,891.42	100.0	\$4,351.56
Cash					
	Principal Cash	- 2,891.34	- 2,891.34	- 0.4	
	Income Cash	2,891.34	2,891.34	0.4	
	Total Cash	\$0.00	\$0.00	0.0	
Total Ass	ets	\$657,891.42	\$657,891.42	100.0	\$4,351.56

### **ASSET DETAIL MESSAGES**

Time of trade execution and trading party (if not disclosed) will be provided upon request.

Publicly traded assets are valued in accordance with market quotations or valuation methodologies from financial industry services believed by us to be reliable. Assets that are not publicly traded may be reflected at values from other external sources. Assets for which a current value is not available may be reflected at a previous value or as not valued, at par value, or at a nominal value. Values shown do not necessarily reflect prices at which assets could be bought or sold. Values are updated based on internal policy and may be updated less frequently than statement generation.

For further information, please contact your Analyst.

\*\* The Yield at Market set forth in this statement for any money market fund is based on the interest rate applicable to that money market fund as of the last business day of the statement period only and may not be relied upon as (i) a yield estimate for the statement period as a whole, or (ii) a guarantee of future performance.



00- -M -Q -PC -152-04 01330804 Page 4 of 5

ACCOUNT NUMBER: 12-6239-05 AMERICAN MUNICIPAL POWER, INC. RATE STABILIZATION FUND FOR THE CITY OF NAPOLEON OHIO STABILIZATION FUND

This statement is for the period from May 1, 2017 to May 31, 2017

CASI	SUMMARY	Plake (1) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	
	Income Cash	Principal Cash	Tota Cash
Beginning Cash Balance as of 05/01/2017	\$2,528.88	- \$2,528.88	\$.00
Taxable Interest	362.46		362.46
Net Money Market Activity		- 362.46	- 362.46
Ending Cash Balance as of 05/31/2017	\$2,891.34	- \$2,891.34	\$0.00





00- -M -Q -PC -152-04 01330804 13308 0116208-00-00546-04 Page 5 of 5

ACCOUNT NUMBER: 12-6239-05

AMERICAN MUNICIPAL POWER, INC. RATE STABILIZATION FUND FOR THE CITY OF NAPOLEON OHIO STABILIZATION FUND

This statement is for the period from May 1, 2017 to May 31, 2017

Date Posted	Description	Income Cash	Principal Cash	Ta: Cos
	Beginning Balance 05/01/2017	\$2,528.88	- \$2,528.88	\$657,528.9
05/01/17	Interest Earned On First Am Govt Ob Fd Cl X Interest From 4/1/17 To 4/30/17 31846V336	362.46		
05/02/17	Purchased 362.46 Units Of First Am Govt Ob Fd Cl X Trade Date 5/2/17 31846V336		- 362.46	362.46
	Ending Balance 05/31/2017	\$2,891.34	- \$2,891.34	\$657,891.42

Service   Usage   Units   Usage   Units   Usage   Units   Units   Usage   Units   Usage   Units   Usage   Units   Usage   Units   2017 Rate   2016 Rate   2016 Rate   Units   2017 Rate   2016 Rate   Units   2017 Rate   2016 Rate   2016 Rate   2016 Rate   Units   2017 Rate   2016 Rate   2016 Rate   2016 Rate   Units   2017 Rate   2016 Rate   20	Rate Comparisons to Prior Month a	nd Prior Y	ear for Sar	ne Period							
Usage   Units   2017 Rate   2016 Rate					Prior Month	Prior Year			Current	Prior Month	Prior Year
Customer Type >   RESIDENTIAL USER - (w/Gas Heat)   RESIDENTIAL USER - (All Electric)											
Second   S	Customer Type	<u>Usage</u>	<u>Units</u>	2017 Rate	2017 Rate	2016 Rate	<u>Usage</u>	<u>Units</u>	2017 Rate	2017 Rate	2016 Rate
Second   S	Customer Type ->		RESIDE	NTIAL USE	R - (w/Gas He	at)		RESID	ENTIAL USE	R - (All Electi	ric)
Distribution Energy Charge   \$20.93   \$20.93   \$20.93   \$33.39							1		A STATE OF THE PARTY OF THE PAR	The second secon	
Distribution Demand Charge   978   Wh   \$71.20											
Power Supply Energy Charge 978 kWh \$71.20 \$7							1		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Power Supply Demand Charge   PSCAF - Monthly Factor   978   kWh   \$10.96   \$9.09   \$5.02   1,976   kWh   \$22.15   \$18.36   \$10.1   \$		978	kWh	\$71.20	\$71.20	\$71.20	1.976	kWh	\$143.85	\$143.85	\$143.8
PSCAF - Monthly Factor				77.1.20	V. 1.20	77.1.25	1,,0.0		7.10.00	<b>V.10.00</b>	4110.0
kWH Tax Level 1         978         kWh         \$4.55		978	kWh	\$10.96	\$9.09	\$5.02	1 976	kWh	\$22.15	\$18.36	\$10.1
KWH Tax - Level 2   KWH Tax - Level 3   S113.64   S111.77   S107.70   S214.58   S210.79   S202.51						Commence of the Commence of th					
Total Electric   \$113.64   \$111.77   \$107.70   \$214.58   \$210.79   \$202.51				Ψ4.00	Ψ4.00	Ψ4.00	1,070		Ψ0.10	Ψ0.10	Ψ0.1
Water         6         CCF         \$46.23         \$41.37         \$39.57         11         CCF         \$75.25         \$66.37         \$63.0           Sewer (w/Stm.Sew. & Lat.)         6         CCF         \$70.89         \$64.63         \$54.58         11         CCF         \$98.89         \$90.08         \$76.7           Storm Water (Rate/ERU)         \$9.50	kWH Tax- Level 3						-				
Water         6         CCF         \$46.23         \$41.37         \$39.57         11         CCF         \$75.25         \$66.37         \$63.0           Sewer (w/Stm.Sew. & Lat.)         6         CCF         \$70.89         \$64.63         \$54.58         11         CCF         \$98.89         \$90.08         \$76.7           Storm Water (Rate/ERU)         \$9.50								-			
Sewer (w/Stm.Sew. & Lat.)   6   CCF   \$70.89   \$64.63   \$54.58   11   CCF   \$98.89   \$90.08   \$76.75	l otal Electric			\$113.64	\$111.77	\$107.70			\$214.58	\$210.79	\$202.57
Storm Water (Rate/ERU)   \$9.50   \$9.	Water	6	CCF	\$46.23	\$41.37	\$39.57	11	CCF	\$75.25	\$66.37	\$63.0
Storm Water (Rate/ERU)   Sp.50   Sp.	Sewer (w/Stm.Sew. & Lat.)	6	CCF	\$70.89	\$64.63	\$54.58	11	CCF	\$98.89	\$90.08	\$76.7
\$18.00   \$10.00   \$	Storm Water (Rate/ERU)			\$9.50	A STATE OF THE PARTY OF THE PAR						
Substraction   Subs	Refuse (Rate/Service)				Service No. of Services and Ser						\$18.0
Substraction   Subs	Sub-Other Services		-	\$144.62	\$133.50	\$121.65		-	\$201.64	\$183.05	\$167.21
Verification Totals   \$258.26   \$245.27   \$229.35   \$416.22   \$394.74   \$369.95     Dollar Chg. to Prior Periods   \$12.99   \$28.91   \$21.48   \$46.3     Minc/Dec(-) to Prior Periods   \$5.30%   \$12.61%   \$1.252     Cost/kWH - Electric   \$978   kWh   \$0.11620   \$0.11428   \$0.11012   \$1,976   kWh   \$0.10859   \$0.10668   \$0.1025     Minc/Dec(-) to Prior Periods   \$1.68%   \$5.52%   \$1.79%   \$5.929     Cost/CCF - Water   \$6   CCF   \$7.70500   \$6.89500   \$6.59500   \$11   CCF   \$6.84091   \$6.03364   \$5.7336     Cost/GALLONS - Water   \$4,488   GAL   \$0.01030   \$0.00922   \$0.00882   \$8,229   GAL   \$0.00914   \$0.00807   \$0.0076     Cost/CCF - Sewer   \$6   CCF   \$11.81500   \$10.77167   \$9.09667   \$11   CCF   \$8.99000   \$8.18909   \$6.9800     Cost/CGALLON - Sewer   \$4,488   GAL   \$0.01580   \$0.01440   \$0.01216   \$8,229   GAL   \$0.01202   \$0.01095   \$0.0093     Cost/GALLON - Sewer   \$4,488   GAL   \$0.01580   \$0.01440   \$0.01216   \$8,229   GAL   \$0.01202   \$0.01095   \$0.0093     Cost/GALLON - Sewer   \$4,488   GAL   \$0.01580   \$0.01440   \$0.01216   \$8,229   GAL   \$0.01202   \$0.01095   \$0.0093     Cost/GALLON - Sewer   \$4,488   GAL   \$0.01580   \$0.01440   \$0.01216   \$8,229   GAL   \$0.01202   \$0.01095   \$0.0093     Cost/GALLON - Sewer   \$4,488   GAL   \$0.01580   \$0.01440   \$0.01216   \$8,229   GAL   \$0.01202   \$0.01095   \$0.0093     Cost/GALLON - Sewer   \$4,488   GAL   \$0.01580   \$0.01440   \$0.01216   \$8,229   GAL   \$0.01202   \$0.01095   \$0.0093     Cost/GALLON - Sewer   \$4,488   GAL   \$0.01580   \$0.01440   \$0.01216   \$8,229   GAL   \$0.01202   \$0.01095   \$0.0093     Cost/GALLON - Sewer   \$4,488   GAL   \$0.01580   \$0.01440   \$0.01216   \$8,229   GAL   \$0.01202   \$0.01095   \$0.0093     Cost/GALLON - Sewer   \$4,488   GAL   \$0.01580   \$0.01440   \$0.01216   \$8,229   GAL   \$0.01202   \$0.01095   \$0.0093     Cost/GALLON - Sewer   \$4,488   GAL   \$0.01580   \$0.01440   \$0.01216   \$8,229   GAL   \$0.01202   \$0.01095   \$0.0093   \$0.0093   \$0.0093   \$0.0093   \$0.0093   \$0.0093   \$0.0093   \$0.0093   \$0.0093   \$0.0093   \$0.0093   \$0.0093   \$0.009	oub-other octyrees			\$144.02	\$133.30	\$121.05		-	\$201.04	\$103.93	\$107.33
Cr.Mo to Pr.Mo   Cr.Yr to Pr.Yr   Cr.Mo to Pr.Mo   Cr.Yr to Pr.Yr				\$258.26						THE RESERVE OF THE PARTY OF THE	\$369.92
Dollar Chg. to Prior Periods   \$12.99	Verification Totals->			\$258.26	\$245.27	\$229.35			\$416.22	\$394.74	
% Inc/Dec(-) to Prior Periods       5.30%       12.61%       5.44%       12.529         ====================================										The same and the s	
Cost/kWH - Electric 978 kWh \$0.11620 \$0.11428 \$0.11012 1,976 kWh \$0.10859 \$0.10668 \$0.1025   % Inc/Dec(-) to Prior Periods 1.68% 5.52% 1.79% 5.929    Cost/CCF - Water 6 CCF \$7.70500 \$6.89500 \$6.59500 11 CCF \$6.84091 \$6.03364 \$5.7336    Cost/GALLONS - Water 4,488 GAL \$0.01030 \$0.00922 \$0.00882 8,229 GAL \$0.00914 \$0.00807 \$0.0076   % Inc/Dec(-) to Prior Periods 11.75% 16.83% 19.319    Cost/CCF - Sewer 6 CCF \$11.81500 \$10.77167 \$9.09667 11 CCF \$8.99000 \$8.18909 \$6.9800    Cost/GALLON - Sewer 4,488 GAL \$0.01580 \$0.01440 \$0.01216 8,229 GAL \$0.01202 \$0.01095 \$0.0093										\$21.48	
Cost/kWH - Electric         978         kWh         \$0.11620         \$0.11428         \$0.11012         1,976         kWh         \$0.10859         \$0.10668         \$0.1025           % Inc/Dec(-) to Prior Periods         1.68%         5.52%         1.79%         5.929           Cost/CCF - Water         6         CCF         \$7.70500         \$6.89500         \$6.59500         11         CCF         \$6.84091         \$6.03364         \$5.7336           Cost/GALLONS - Water         4,488         GAL         \$0.01030         \$0.00922         \$0.00882         8,229         GAL         \$0.00914         \$0.00807         \$0.0076           % Inc/Dec(-) to Prior Periods         11.75%         16.83%         13.38%         19.319           Cost/CCF - Sewer         6         CCF         \$11.81500         \$10.77167         \$9.09667         11         CCF         \$8.99000         \$8.18909         \$6.9800           Cost/GALLON - Sewer         4,488         GAL         \$0.01580         \$0.01440         \$0.01216         8,229         GAL         \$0.01202         \$0.01095         \$0.0093	% Inc/Dec(-) to Prior Periods				5.30%	12.61%	1			5.44%	12.52%
% Inc/Dec(-) to Prior Periods       1.68%       5.52%       1.79%       5.92%         Cost/CCF - Water       6       CCF       \$7.70500       \$6.89500       \$6.59500       11       CCF       \$6.84091       \$6.03364       \$5.7336         Cost/GALLONS - Water       4,488       GAL       \$0.01030       \$0.00922       \$0.00882       8,229       GAL       \$0.00914       \$0.00807       \$0.0076         % Inc/Dec(-) to Prior Periods       11.75%       16.83%       13.38%       19.31%         Cost/CCF - Sewer       6       CCF       \$11.81500       \$10.77167       \$9.09667       11       CCF       \$8.99000       \$8.18909       \$6.9800         Cost/GALLON - Sewer       4,488       GAL       \$0.01580       \$0.01440       \$0.01216       8,229       GAL       \$0.01202       \$0.01095       \$0.0093		====	====	======	=======	=======			======	======:	======
% Inc/Dec(-) to Prior Periods       1.68%       5.52%       1.79%       5.92%         Cost/CCF - Water       6       CCF       \$7.70500       \$6.89500       \$6.59500       11       CCF       \$6.84091       \$6.03364       \$5.7336         Cost/GALLONS - Water       4,488       GAL       \$0.01030       \$0.00922       \$0.00882       8,229       GAL       \$0.00914       \$0.00807       \$0.0076         % Inc/Dec(-) to Prior Periods       11.75%       16.83%       13.38%       19.31%         Cost/CCF - Sewer       6       CCF       \$11.81500       \$10.77167       \$9.09667       11       CCF       \$8.99000       \$8.18909       \$6.9800         Cost/GALLON - Sewer       4,488       GAL       \$0.01580       \$0.01440       \$0.01216       8,229       GAL       \$0.01202       \$0.01095       \$0.0093	Cost/kWH - Electric	978	kWh	\$0.11620	\$0 11428	\$0 11012	1,976	kWh	\$0 10859	\$0.10668	\$0 1025
Cost/GALLONS - Water         4,488         GAL         \$0.01030         \$0.00922         \$0.00882         8,229         GAL         \$0.00914         \$0.00807         \$0.0076           % Inc/Dec(-) to Prior Periods         11.75%         16.83%         13.38%         19.31%           Cost/CCF - Sewer         6         CCF         \$11.81500         \$10.77167         \$9.09667         11         CCF         \$8.99000         \$8.18909         \$6.9800           Cost/GALLON - Sewer         4,488         GAL         \$0.01580         \$0.01440         \$0.01216         8,229         GAL         \$0.01202         \$0.01095         \$0.0093				40.11020			.,		40.10000		5.92%
Cost/GALLONS - Water         4,488         GAL         \$0.01030         \$0.00922         \$0.00882         8,229         GAL         \$0.00914         \$0.00807         \$0.0076           % Inc/Dec(-) to Prior Periods         11.75%         16.83%         13.38%         19.31%           Cost/CCF - Sewer         6         CCF         \$11.81500         \$10.77167         \$9.09667         11         CCF         \$8.99000         \$8.18909         \$6.9800           Cost/GALLON - Sewer         4,488         GAL         \$0.01580         \$0.01440         \$0.01216         8,229         GAL         \$0.01202         \$0.01095         \$0.0093	Cost/CCE Water		CCE	¢7 70500	\$6.00500	¢6 50500	44	COF	PC 04004	<b>#</b> C 02204	ec 7000
% Inc/Dec(-) to Prior Periods       11.75%       16.83%       13.38%       19.319         Cost/CCF - Sewer       6       CCF       \$11.81500       \$10.77167       \$9.09667       11       CCF       \$8.99000       \$8.18909       \$6.9800         Cost/GALLON - Sewer       4,488       GAL       \$0.01580       \$0.01440       \$0.01216       8,229       GAL       \$0.01202       \$0.01095       \$0.0093						The second secon	COLUMN TO SERVICE AND ADDRESS OF THE PARTY O				
Cost/CCF - Sewer         6         CCF         \$11.81500         \$10.77167         \$9.09667         11         CCF         \$8.99000         \$8.18909         \$6.9800           Cost/GALLON - Sewer         4,488         GAL         \$0.01580         \$0.01440         \$0.01216         8,229         GAL         \$0.01202         \$0.01095         \$0.0093		4,488	GAL	\$0.01030			8,229	GAL	\$0.00914	THE RESERVE OF THE PERSON NAMED AND POST OFFICE ADDRESS OF THE PERSON NAMED IN COLUMN 2 ADDRESS OF THE PERSON NAMED IN COLUMN	
Cost/GALLON - Sewer 4,488 GAL \$0.01580 \$0.01440 \$0.01216 8,229 GAL \$0.01202 \$0.01095 \$0.0093	% Inc/Dec(-) to Prior Periods				11.75%	16.83%				13.38%	19.31%
		6	CCF	\$11.81500	\$10.77167	\$9.09667	11	CCF	\$8.99000	\$8.18909	\$6.9800
	Cost/GALLON - Sewer	4,488	GAL	\$0.01580	\$0.01440	\$0.01216	8,229	GAL	\$0.01202	\$0.01095	\$0.0093
	% Inc/Dec(-) to Prior Periods				THE RESIDENCE AND ADDRESS OF THE PARTY OF TH		1				28.80%

			Current	Prior Month	Prior Year			C	D-1	5 : V
	Service	Service	July	June	July	Service	Service	Current	Prior Month June	Prior Year
Customer Type	Usage	Units	2017 Rate	2017 Rate	2016 Rate	Usage	Units	July 2017 Rate	2017 Rate	July 2016 Pate
	Jougo	<u> </u>	zorr rute	ZOTT NATO	zororeate	Usage	Oilits	2017 Nate	2017 Rate	<u>2016 Rate</u>
<u>Customer Type -&gt;</u>	<u>co</u>	MMERC	AL USER -	(3 Phase w/De		//	IDUSTRIA	AL USER - (	3 Phase w/Dei	mand)
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	\$78.92	\$65.40	\$36.12			\$9,223.62	\$7,643.84	\$4,220.98
kWH Tax- Level 1			\$9.66	\$9.66	\$9.66	<b>1</b>		\$9.66	\$9.66	\$9.66
kWH Tax- Level 2			\$20.80	\$20.80	\$20.80	1		\$56.24	\$56.24	\$56.24
kWH Tax- Level 3			V-0.00	420.00	Ψ20.00			\$3,087.71	\$3,087.71	\$3,087.71
Total Electric		-	\$881.30	\$867.78	\$838.50		-	\$77,458.35	\$75,878.57	\$72,455.71
										7:-,:-
Water	25	CCF	\$153.37	\$133.57	\$126.07	300	CCF	\$1,736.81	\$1,736.81	\$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		-	\$346.56	\$310.81	\$279.51			\$3,790.50	\$3,634.30	\$3,115.45
Total Billing - All Services			\$1,227.86	\$1,178.59	\$1,118.01			\$81,248.85	\$79,512.87	\$75,571.16
Verification Totals->			\$1,227.86	\$1,178.59	\$1,118.01			\$81,248.85	\$79,512.87	\$75,571.16
				Cr.Mo to Pr.Mo	Cr.Yr to Pr.Yr	1		\$0.,2.0.00	Cr.Mo to Pr.Mo	Cr.Yr to Pr.Yi
Dollar Chg.to Prior Periods				\$49.27	\$109.85	1			\$1,735.98	\$5,677.69
% Inc/Dec(-) to Prior Periods				4.18%	9.83%				2.18%	7.51%
==========	====	====	======	======:	======	=====	====	======	======:	======
Cost/kWH - Electric	7,040	kWh	¢0 12510	\$0.12226	\$0.11011	966 400	LVAIL	£0.00040	<b>\$0.00704</b>	00.0000
% Inc/Dec(-) to Prior Periods	7,040	KAAII	\$0.12518	\$0.12326 1.56%	\$0.11911 5.10%	866,108	kWh	\$0.08943	\$0.08761 2.08%	\$0.08366 6.90%
									2.0070	0.00%
Cost/CCF - Water	25	CCF	\$6.13480	\$5.34280	\$5.04280	300	CCF	\$5.78937	\$5.78937	\$4.73503
Cost/GALLONS - Water	18,701	GAL	\$0.00820	\$0.00714	\$0.00674	224,415	GAL	\$0.00774	\$0.00774	\$0.00633
% Inc/Dec(-) to Prior Periods				14.82%	21.65%				0.00%	22.27%
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%	1		70.00.00	10.00%	26.38%

# Electric Department Report June 2017

There were 12 callout/outages during the month of June. 3 outages were caused by squirrels. 3 outages were caused by failed equipment. 1 callout was due to a limb arching against a wire. A wind storm on the 19<sup>th</sup> caused 3 tree limbs to blow across lines resulting in outages. 1 callout was found to be a broken First Energy pole. 1 callout was to remove a meter for a home fire.

Line Department/Service Truck: Crews upgraded a transformer and service wire for Suzie Q's. Crews replaced a faulty transformer at Snyder Chevrolet. Crews removed temp poles at Glenwood Park. Crews trenched in primary for Re-hab center on Oakwood. Crews rebuilt primary at Henry County Fairgrounds. Crews installed a temp service on Rd. P-1. Crews installed LED lighting at Oakwood Park ball diamond.. Crews replaced a 35" pole on Rd. U. Crews installed poles and wire for Campbell Soup on St. Rt. 110. Crews installed URD on St. Rt. 110 for new home on river. Crews repaired bad primary feed at St. Rt. 6 and Co. Rd P. Crews upgraded electric service at former grocery store site on East Maumee. Crews performed an emergency pole replacement for Campbell Soup Company along State Route 110 by V-8 Plant. Crews attended pole top rescue and safety training classes. The serviceman performed locates and misc. work as needed on electric system. Crews also washed floors and equipment on rain days.

**Substation Department:** Substation personnel tested 4 138 KV breakers at NSS. They also worked on various regulatory audit requirements and performed monthly checks and maintenance at all 4 substations. They also performed switching for crews as needed.

**Forestry Department:** Crews trimmed trees on Kenilworth, Rohm Drive, 600 block of West Clinton, W. Barnes, Rd. T and High Street.

**Storeroom/Inventory/Metering Dept.** Shawn Druhot read meters, received various quotes, ordered inventory, mowed the service building yard and cleaned the storage areas. Shawn also helped the line crews as needed.

The **Peak Load** for June, 2017 was 29.08 MW occurring on the 13<sup>th</sup> at 5:00 PM. This was an increase of 1.14 MW compared to June, 2016. The average load for June, 2017 was 17.78 MW. This was a decrease of .74 MW compared to June, 2016. JV-2 ran on the 12<sup>th</sup> and 13<sup>th</sup> and produced 3.49 MWh. The Turbines ran on June 12<sup>th</sup> and 13<sup>th</sup> and produced 198.24 MWh. The AMP solar field had a June, 2017 peak of 3.49 MW. This was a decrease of .05 MW compared to June, 2016. The AMP solar field produced 565.44 MWh this month and increase of 7.97 MWh compared to June, 2016.

# City of Napoleon, Ohio

# **SUMMARY OF JUNE 2017 OUTAGE/STANDBY CALL-OUTS**

June 9, 2017:

Electric personnel were dispatched to 514 High Street at 6:10 a.m. for a house fire. The meter was pulled.

June 13, 2017:

Electric personnel were dispatched to Co. Rd. L & 12 at 11:45 p.m. for Pole verification due to a damaged pole. Pole was identified as Toledo Edison's.

June 13, 2017:

Electric personnel were dispatched to 650 West Clinton St. At 7:35 a.m. for an arcing line. Arcing was due to a tree limb.

June 15, 2017:

Electric personnel were dispatched to 705 Strong Street at 3:18 p.m. for an old meter base. Meter base was replaced.

June 16, 2017:

Electric personnel were dispatched to 2524 Glen Arbors at 4:29 p.m. for a bad underground fitting. Fitting was replaced and reenergized.

June 19, 2017:

Electric personnel were dispatched to 12530 Co. Rd. P at 9:04 a.m. for an outage due to a squirrel. Power was restored.

June 19, 2017:

Electric personnel were dispatched to Automatic Feed Company at 3:10 p.m. for an outage due to the wind. Power was restored.

June 19, 2017:

Electric personnel were dispatched to Norton Ave. at 3:50 p.m. for an outage caused by a tree limb. Power was restored.

June 19, 2017:

Electric personnel were dispatched to Huddle Rd. Trailer Park at 5:15 p.m. for a tree limb. Limb was removed and wire spliced.

June 25, 2017:

Electric personnel were dispatched to the Intersection of St. Rt 6 & P at 4:24 p.m. for a bad underground wire. The Transformer and Arrester were removed.

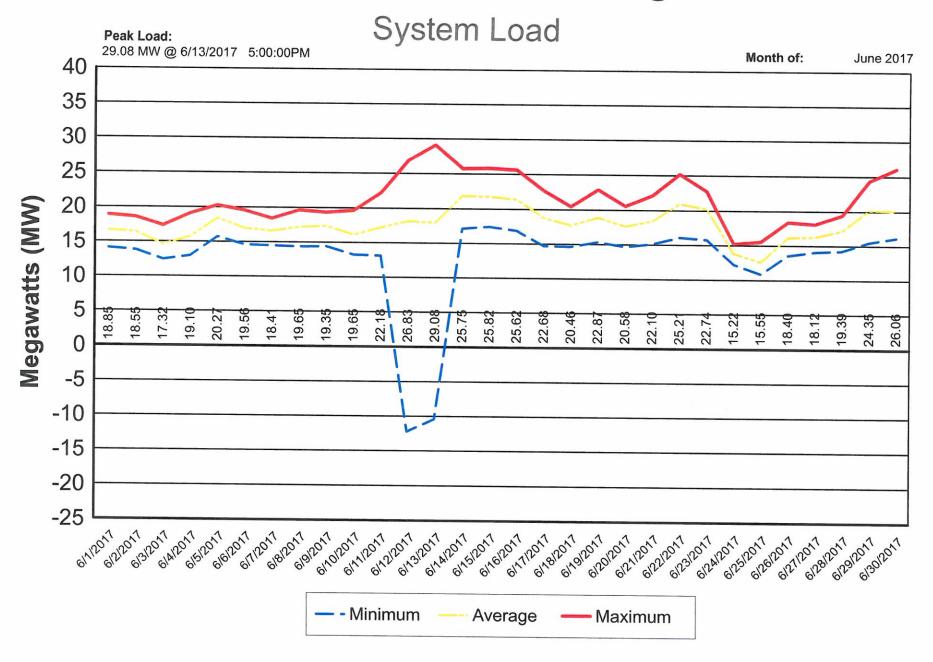
June 25, 2017:

Electric personnel were dispatched to 15374 Co. Rd. T at 12:47 p.m. for an outage caused by a squirrel. The animal was removed and power was restored.

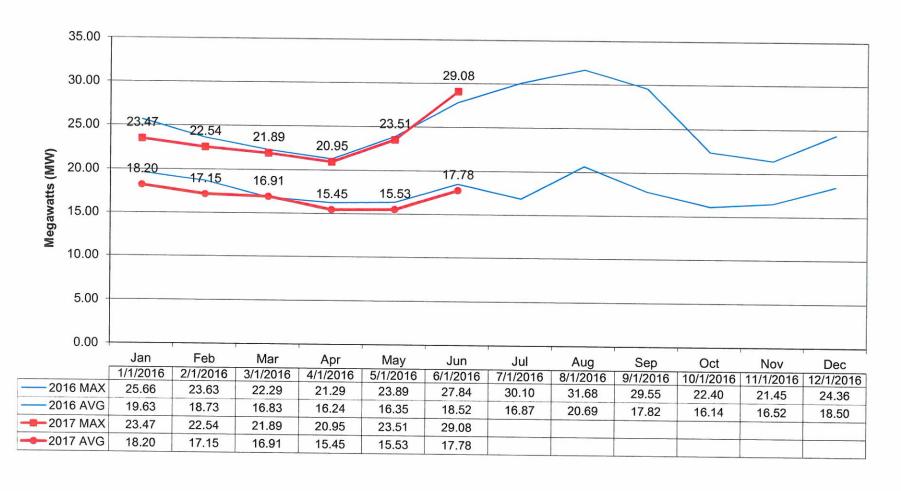
June 27, 2017:

Electric personnel were dispatched to 16770 Co. Rd. P1 at 9:56 p.m. for an outage caused by a squirrel. Power was restored.

# Napoleon Power & Light



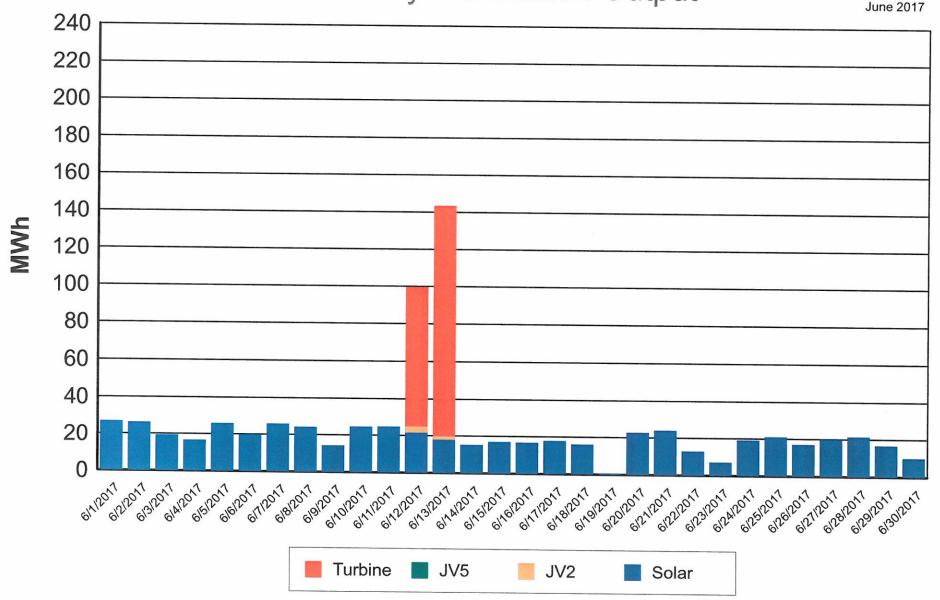
# **NAPOLEON POWER & LIGHT**



2016 MAX	2016 AVG	2017 MAX	2017 AVG
----------	----------	----------	----------

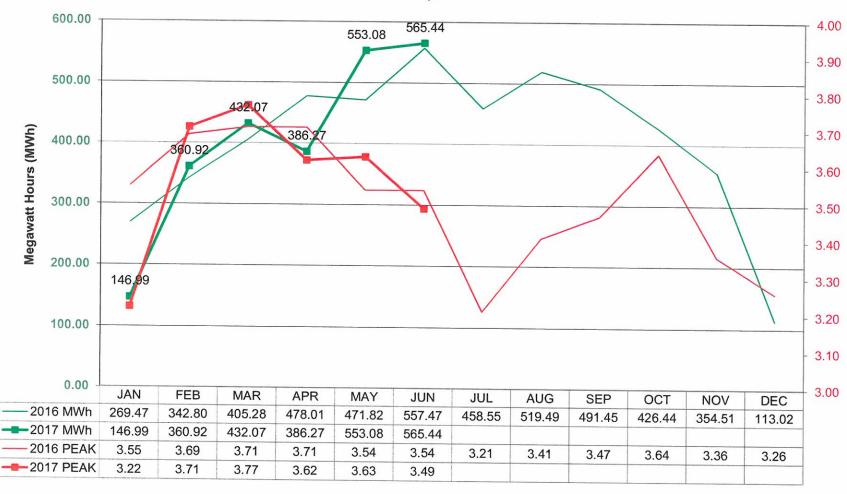
# Napoleon Power & Light

**Daily Generation Output** 



## **NAPOLEON POWER & LIGHT**

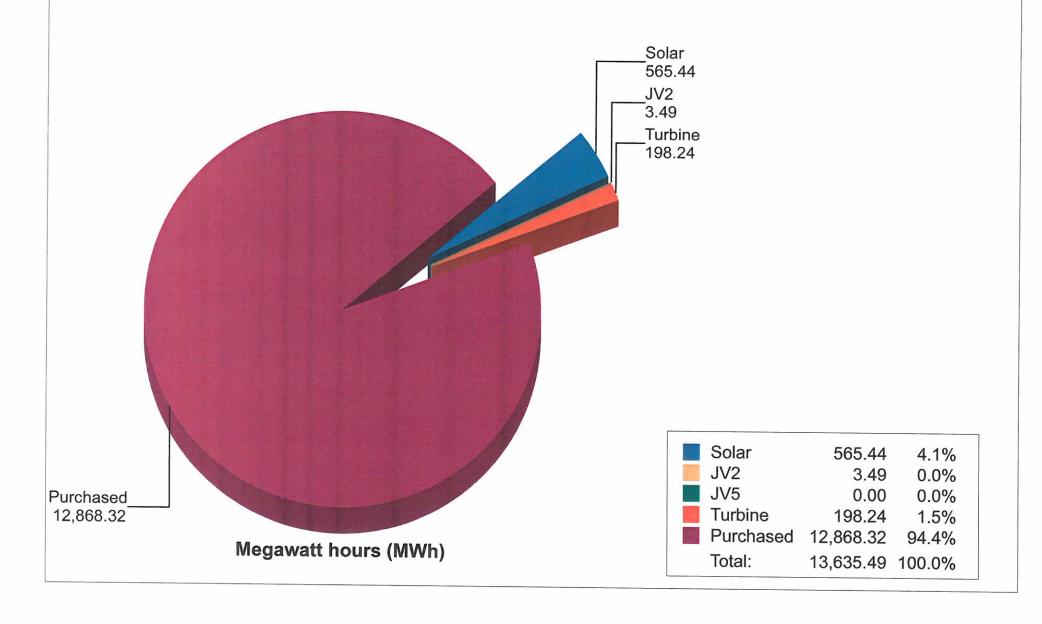
Solar Field Output Trend



# Napoleon Power & Light

Power Portfolio

June 2017



### **BOARD OF PUBLIC AFFAIRS**

Meeting Agenda

Monday, July 10, 2017 at 6:30 pm

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

- 1) Approval of the Minutes from June 12, 2017 (In the absence of any objections or corrections, the Minutes shall stand approved).
- 2) Review/Approval of the Power Supply Cost Adjustment Factor for July, 2017: PSCAF – three (3) month averaged factor \$0.01121 JV2 \$0.022048 JV5 \$0.022048
- 3) Electric Department Reports.
- 4) Any other matters to come before the Board.
- 5) Adjournment.

Gregory S. Heath

Finance Director/Clerk of Council

#### **BOARD OF PUBLIC AFFAIRS**

**Meeting Minutes** Monday, June 12, 2017 at 6:30 pm

D	R	F	F	N	Т
_	и		эL	ıv	

**Board of Public Affairs Electric Committee** 

City Staff

Mike DeWit-Chair; Dr. David Cordes; Nick Frysinger

Dan Baer-Acting Chair, Lori Siclair, Jeff Comadoll (pro-tem)

Greg Heath, Finance Director/Clerk of Council

Joel Mazur, City Manager

Dennie Clapp, Electric Distribution Superintendent

Recorder Others

**ABSENT** Electric Comm. Member

Travis Sheaffer

Roxanne Dietrich

Call to Order

Chairman DeWit called the Board of Public Affairs meeting to order at 6:31 pm.

Approval of May 08, 2017 **Meeting Minutes** 

Hearing no objections or corrections, the meeting minutes of May 08, 2017

stand approved.

**Motion to Approve** June 2017 PSCAF

Motion: Frysinger

Second: Dr. Cordes

to approve the PSCAF for June 2017 as: PSCAF -three (3) month averaged

factor \$0.00929, JV2 \$0.029512, JV5 \$0.029512.

**Passed** Yea-3 Nay-0

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

Nay-

**Discussion on Amendment** to JV 2 Lease Agreement

Mazur said the JV2 gas turbine project was formed in 2000. In September of 2015, it was voted to approve retrofitting the three diesel units with catalytic convertors to be in compliance with the EPA regulations which extended the

life term of the lease agreement until 2023.

**Motion to Approve Amendment to JV2 Lease** 

Motion: Frysinger

Second: Dr. Cordes to approve the Amendment to the JV2 Lease Agreement.

Agreement

**Passed** 

Yea-3

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

Nay-0 Nay-

**Update on JV5 Diesel Generator Units** 

Mazur said JV5 is the Bellevue Hydro project that was formed in 1993. These are the units that are costly to get in compliance, AMP is looking to reuse the housings and replace the diesel units with natural gas. Right now they are doing research on starting a whole new project with just peaking gas units. The board discussed the option of offering the host communities the possibility to

buy the units at \$40,000 each less the cost of the environmental cleanup. We do not need any units, they would not be a benefit to us and would be a risky expense.

#### **Electric Department Report**

Dennie Clapp, Electric Distribution Superintendent, passed out the Electric Department Reports for May, 2017.

#### **Update on Water Treatment Plant Project**

Mazur said the original Engineer's Estimate for the Water Treatment Plant Project was \$17,000,000, the bids have been opened and Peterson Construction Co. had the lowest bid at \$13,074,000, Alternate No. 1 was an addition in the amount of \$273,000 and Alternate No. 2 was a deduct of \$60,000. We applied for funding to DEFA, the loan agency through OhioEPA's Water Revolving Loan Account. DEFA approved \$15,257 million in loan funds at 0% for thirty years and in addition also approved \$3 million in principal forgiveness making a total of \$12,240,000 in loans at 0% interest. Heath reminded everyone that that figure does not include the \$2.3 million for the engineering on the first plant and the \$1.4 million for the UV project is not included in the loan either.

DeWit asked if those funds could be incorporated back into the project. Mazur replied the question has not been asked, it was not included due to the issue that an MBE requirement was not in the bid. Right now, the Henry County Water/Sewer District has a contract to complete drill tests for wells in Lucas County and has requested the City of Napoleon give them our best number.

DeWit said revenue based rates are hard to understand if we went with a cost based rate where the rate established incorporates all costs associated with the production of water including stranded capital costs and a good job is done including all the costs associated with the production of water with everyone paying the same base rate.

Mazur said we currently charge a 25% capacity surcharge, the issue I have is the satellite communities are 33% of usage and 25% of revenue.

DeWit responded just be honest and fair with them.

Dr. Cordes said it is a matter of transparency they want to see the costs. DeWit said the electric system works well we charge electric at the cost we buy it at and have overage costs.

Mazur said if they build their own plant we will completely disconnect from them that is something they will have to contend with.

Comadoll asked Mazur if he could work on something.

Mazur responded he has a call into Nick and Rex and is waiting to hear back from them.

#### Update on Wastewater Treatment Plant

Mazur informed the Board and Committee the Wastewater Treatment Plant is aging , the equipment in there is from 1959, it is still functioning and doing what we need it to do; but, there will be a time when the equipment needs to be replaced.

The City Engineer and myself will be meeting with the EPA to go over our long term control plan, we are doing more to revamp our collection and are paying for that in higher rates.

**Other Matters** None **Motion to Adjourn** Motion: Frysinger Second: Dr. Cordes To adjourn the Board of Public Affairs meeting at 8:07 pm. **BOPA Meeting Passed** Roll call vote on the above motion: Yea-3 Yea-Dr. Cordes, Frysinger, DeWit Nay-0 Nay-**Approved** July 10, 2017 Michael J. DeWit, Chairman

## WATER, SEWER, REFUSE, RECYCLING & LITTER COMMITTEE

Meeting Agenda

Monday, July 10, 2017 at 7:00 pm

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

- 1) Approval of June 12, 2017 Minutes (In the absence of any objections or corrections, the Minutes shall stand approved)
- 2) Update on Water Treatment Plant Project. (Tabled)
- 3) Update on Wastewater Treatment Plant. (Tabled)
- 4) Any other matters currently assigned to the Committee.
- 5) Adjournment.

Gregory Jacath

Gregory Jacath

Finance Director/Clerk of Council

## WATER, SEWER, REFUSE, RECYCLING & LITTER COMMITTEE

Meeting Minutes

Monday, June 12, 2017 at 6:30 pm

#### **PRESENT**

Committee Members Board of Public Affairs City Staff Jeff Comadoll-Chair, Rita Small, Lori Siclair (pro-tem)
Mike DeWit-Chair; Dr. David Cordes; Nick Frysinger
Greg Heath, Finance Director/Clerk of Council
Joel Mazur, City Manager
Scott Hoover, WTP Superintendent
Roxanne Dietrich

Recorder Others ABSENT

Call to Order

Chairman Comadoll called the Water, Sewer, Refuse, Recycling and Litter Committee to order at 7:00 pm.

Approval of March 13, 2017 Meeting Minutes

Hearing no objections or corrections, the meeting minutes of March 13, 2017 stand approved.

Update on Water Treatment Plant Project Mazur said the original Engineer's Estimate for the Water Treatment Plant Project was \$17,000,000, the bids have been opened and Peterson Construction Co. had the lowest bid at \$13,074,000, Alternate No. 1 was an addition in the amount of \$273,000 and Alternate No. 2 was a deduct of \$60,000. We applied for funding to DEFA, the loan agency through OhioEPA's Water Revolving Loan Account. DEFA approved \$15,257 million in loan funds at 0% for thirty years and in addition also approved \$3 million in principal forgiveness making a total of \$12,240,000 in loans at 0% interest. Heath reminded everyone that that figure does not include the \$2.3 million for the engineering on the first plant and the \$1.4 million for the UV project is not included in the loan either.

DeWit asked if those funds could be incorporated back into the project. Mazur replied the question has not been asked, it was not included due to the issue that an MBE requirement was not in the bid. Right now, the Henry County Water/Sewer District has a contract to complete drill tests for wells in Lucas County and has requested the City of Napoleon give them our best number.

DeWit said revenue based rates are hard to understand if we went with a cost based rate where the rate established incorporates all costs associated with the production of water including stranded capital costs and a good job is done including all the costs associated with the production of water with everyone paying the same base rate.

Mazur said we currently charge a 25% capacity surcharge, the issue I have is the satellite communities are 33% of usage and 25% of revenue.

DeWit responded just be honest and fair with them.

Dr. Cordes said it is a matter of transparency they want to see the costs.

DeWit said the electric system works well we charge electric at the cost we buy it at and have overage costs. Mazur said if they build their own plant we will completely disconnect from them that is something they will have to contend with. Comadoll asked Mazur if he could work on something. Mazur responded he has a call into Nick and Rex and is waiting to hear back from them. Mazur informed the Board and Committee the Wastewater Treatment Plant is aging, the equipment in there is from 1959, it is still functioning and doing what we need it to do; but, there will be a time when the equipment needs to be replaced. The City Engineer and myself will be meeting with the EPA to go over our long term control plan, we are doing more to revamp our collection and are paying for that in higher rates. Motion to Table Update on Motion: Small Second: Siclair **WTP Project & Wastewater** To table both the Update on the WTP Project and also the update on the Wastewater Treatment Plant. Roll call vote on the above motion: Yea-Comadoll, Siclair, Small Nay-None. Motion: Small Second: Siclair

**Other Matters** 

**Motion to Adjourn BOPA Meeting** 

**Update on Wastewater** 

**Treatment Plant** 

**Treatment Plant** 

**Passed** Yea-3

Nay-0

To adjourn the Water, Sewer, Refuse, Recycling & Litter Committee meeting at

8:07 pm.

**Passed** Roll call vote on the above motion: Yea-3 Yea- Comadoll, Siclair, Small Nay-0 Nay-

**Approved** 

July 10, 2017

Jeff Comadoll, Chairman

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

## MEETING AGENDA

Monday, July 10, 2017 at 7:30 pm

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

- 1) Approval of the June 12, 2017 Minutes (In the absence of any objections or corrections, the Minutes shall stand approved)
- 2) Discussion on Roundhouse Road. (Tabled)
- 3) Discussion on Downtown Improvements. (Tabled)
- 4) Discussion on Parking Spaces. (Tabled)
- 5) Any other matters currently assigned to the Committee.
- 6) Adjournment.

Gregory Heath
Finance Finance Director/Clerk of Council

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

#### MEETING MINUTES

Monday, June 12, 2017 at 7:30 PM

**PRESENT** 

Members: Lori Siclair-Chairman, Jeff Mires, Joe Bialorucki, Jason P. Maassel

Finance Director Gregory J. Heath
City Manager Joel L. Mazur

City Staff

Recorder Roxanne Dietrich Others Newsmedia

ABSENT

Call to Order Chairman Siclair called the Municipal Properties, Building, Land Use and Economic

Development Committee meeting to order at 8:12 pm.

Approval of April 10 and April 17, 2017 Minutes

Minutes of the April 10, 2017 meeting and April 17, 2017 special meeting stand

approved as read with no objections or corrections.

Motion to Untable

Motion: Maassel

Second: Bialorucki

**Roundhouse Road** to untable Roundhouse Road.

Passed
Roll call vote on the above motion:
Yea-4
Yea-Bialorucki, Maassel, Mires, Siclair

Nay-0 Nay-

Mazur requested to go into Executive Session for Economic Development.

Motion to go Into Motion: Bialorucki Second: Maassel

**Executive Session** to go into Executive Session at 8:13 pm.

Passed
Roll call vote on the above motion:
Yea-4
Yea-Bialorucki, Maassel, Mires, Siclair

Nay-0 Nay-

Motion to Come Out of

**Executive Session** 

Motion: Mires Second: Maassel

to come out of Executive Session at 8:26 pm.

Passed Roll call vote on the above motion:
Yea-4 Yea-Bialorucki, Maassel, Mires, Siclair

Nay-0 Nay-

Chairmain Siclair reported Economic Development was discussed in Executive Session and no action was taken.

Motion to Table Roundhouse Road

Motion: Bialorucki Second: Mires

to Table Roundhouse Road.

PassedRoll call vote on the above motion:Yea-4Yea-Bialorucki, Maassel, Mires, Siclair

Nay-0 Nay-

Motion to Untable Downtown Improvements Motion: Maassel Second: Bialorucki

To untable Downtown Improvements.

Passed Yea-4 Nay-0 Roll call vote on the above motion: Yea-Bialorucki, Maassel, Mires, Siclair

Nay-

Maassel noted the flags donated by the Legion are hung up Downtown, the Legion will be putting new brackets on so the flags stay up better. The potential start date for the Downtown Improvements will be after Spengler's 125<sup>th</sup> anniversary party on or about August 21<sup>st</sup>, correct. My understanding is the project will include putting in a new waterline, expanding the sidewalks and fixing stuff in the Downtown, someone needs to communicate with Napoleon Alive regarding the Wildcat repainting, they want to have an event in conjunction with the repainting of the Wildcat. Have we heard anything about moving St. Rt. 108. Mazur said it is a fairly simple process they are not too concerned about the route

as long as the road meets their specifications.

Bialorucki commented we do not need to move St. Rt. 108 we are doing this beautification of our downtown, we do not want people bypassing the downtown

area, we just want the truck traffic moved.

Motion to Table Downtown Improvements Motion: Bialorucki Second: Mires

to Table Downtown Improvements.

Passed Yea-4 Nay-0 Roll call vote on the above motion: Yea-Bialorucki, Maassel, Mires, Siclair

Nay-

Wood County Agreement City Inspection Services Mazur said we are seeking approval to enter into an agreement with Wood County to perform our residential building inspection services, they are already doing our commercial inspections.

Bialorucki asked how can we insure our residents are put in order of their inspection request.

Mazur replied there is statutory language they have a 24-48 hour turnaround period.

Mires inquired what will the cost be to the City.

Mazur answered they will recoup their costs through the permit fees, there will not be any cost to the City. If we are not satisfied with their service, there is a 30 day termination clause in the agreement.

Motion to Put the Agreement with Wood County for City Inspection Services on Next Council Agenda as A Legislative Item Motion: Maassel Second: Bialorucki

To put the agreement with Wood County for City Inspection Services as a

legislative item on the next Council Agenda.

Passed
Roll call vote on the above motion:
Yea-4
Yea-Bialorucki, Maassel, Mires, Siclair

Nay-0 Nay-

Motion to Adjourn Motion: Maassel Second: Mires

to adjourn the Municipal Properties, Building, Land Use and Economic

Development Committee meeting.

Passed
Roll call vote on the above motion:
Yea-4
Yea-Bialorucki, Maassel, Mires, Siclair

Nay-0 Nay-

Adjournment The Municipal Properties, Building, Land Use and Economic Development Meeting

was adjourned at 8:48 pm.

**Date Approved:** 

July 10, 2017

Lori Siclair, Chair

### **CIVIL SERVICE COMMISSION**

Special Meeting Agenda

Tuesday, July 11, 2017 at 4:30 pm

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

- 1. Approval of Minutes from March 07, 2017 (in the absence of any objections or corrections, the minutes shall stand approved.
- 2. Discussion on Testing for a Police Chief.
- 3. Any other matters to come before the Commission.
- 4. Adjournment.

Gregory J. Heath

Finance Director/Clerk of Council

## **AD-HOC COMMITTEE ON COUNCIL RULES**

#### MEETING AGENDA

Tuesday, July 11, 2017 at 6:30 pm

LOCATION: City Building, 255 West Riverview Avenue, Napoleon, Ohio

- 1. Approval of Minutes (In the absence of any objections or corrections, the Minutes shall stand approved).
- 2. Review of Council Rules.
- 3. Any other matters currently assigned to the Committee.
- 4. Adjournment.

Gregory . Heath

Finance Director/Clerk of Council

2 J. Heath

## City of Napoleon, Ohio Council Rules Review Committee

#### **Meeting Minutes**

Monday, March 16, 2015 at 6:00pm

PRESENT Committee Members City Staff

Acting Recorder Others

**ABSENT** 

Committee Staff

Call To Order

Review Of City Council Rules

Motion To Untable Review of City Council Rules

Passed Yea- 2 Nay- 0

**Discussion** 

Travis Sheaffer – Chair, Jason Maassel, Chris Ridley (arrived at 6:11pm) Trevor Hayberger, Law Director Greg Heath, Finance Director/Clerk of Council Trevor Hayberger

Chairman Sheaffer called the meeting to order at 6:09 pm.

Motion: Maassel Second: Sheaffer To untable review of City Council Rules

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

Hayberger distributed the proposed changes to the current Rules and Regulations of City Council for review, adding that there were no changes since the last meeting except he is suggesting the deletion of proposed Rule 10.3.3 stating "Council members shall maintain confidentiality of discussions, writings, or other forms of media or modes of communication that the Council member knows or should know said matter should be kept confidential, subject to any public record statues, sunshine laws, or any other duty to report."

Heath suggested adding a line to the Committee rules stating that if the Committee Chair is absent, the Chair responsibilities revert to the Committee member present with the highest continuous seniority on that Committee, and members with the same amount of seniority will then be chosen alphabetically.

Ridley asked if the Board of Public Affairs should be added to proposed Rule 10.3.1 relating to the manner in which constituents are addressed; Hayberger replied that the Board of Public Affairs has a separate set of rules, however when the Council rules are established, they will be filtered through all other Committee, Board, and Commission rules as necessary. Maassel asked if Rule 10.3.1 pertains to all communications or only when meetings are in session; Hayberger stated that he will add wording to establish that Council members are always representing the voters, even when meetings are not in session; Heath believes that this issue may be more valuable if added to the City

Charter under the definition of Qualifications.

Hayberger asked the Committee if they required another meeting to discuss the changes; Sheaffer replied that deleting proposed Rule 10.3.3 and adding the Committee Chair seniority wording would take care of the issues presented.

Motion To Make Adjustments As Presented Motion: Maassel Second: Ridley

To make adjustments to the proposed Rules of City Council as presented

Passed Yea- 3 Nay- 0 Roll call vote on above motion: Yea- Maassel, Sheaffer, Ridley

Motion to Approve Rules of City Council as Presented With Adjustments Motion: Ridley Second: Maassel
To approve Rules of City Council as presented with adjustments

Passed Yea- 3 Nay- 0 Roll call vote on above motion: Yea- Maassel, Sheaffer, Ridley Nay-

Any Other Matters Assigned To The Committee None

**Motion To Adjourn** 

Motion: Maassel Second: Ridley To adjourn the meeting at 6:37pm.

Passed Yea- 3 Nay- 0 Roll call vote on motion: Yea- Maassel, Sheaffer, Ridley Nay-

**Date Approved:** 

July 11, 2017 Travis Sheaffer, Chair



255 West Riverview Avenue • P. O. Box 151 Napoleon, Ohio 43545-0151 Phone (419) 599-1235 Fax (419)-599-8393 www.napoleonohio.com

## **M**EMORANDUM

TO:

Board of Zoning Appeals, City Council, Mayor, City Manager, City Law Director,

City Finance Director, Department Supervisors, Newsmedia

FROM:

Gregory J. Heath, Finance Director/Clerk of Council

DATE:

July 07, 2017

RE:

Board of Zoning Appeals Meeting Cancellation

The regularly scheduled meeting of the Board of Zoning Appeals for Tuesday, July 11, 2017 at 4:30 pm has been CANCELED due to lack of agenda items.



255 West Riverview Avenue • P. O. Box 151 Napoleon, Ohio 43545-0151 Phone (419) 599-1235 Fax (419)-599-8393 www.napoleonohio.com

## **MEMORANDUM**

Planning Commission, City Council, Mayor, City Manager, City Law Director, TO:

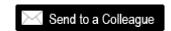
City Finance Director, Department Supervisors, Newsmedia

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

DATE: July 07, 2017

RE: Planning Commission Meeting Cancellation

The regularly scheduled meeting of the Planning Commission for Tuesday, July 11, 2017 at 5:00 pm has been CANCELED due to lack of agenda items.







#### July 7, 2017

We hope all of our members enjoyed a relaxing Fourth of July weekend with their friends and family! Last week, before the long weekend, the General Assembly passed Sub. HB 49, the budget bill, and sent it to Governor Kasich for his signature. After vetoing 47 provisions within the bill, the governor signed the legislation into law late Friday night. A list of vetoed provisions can be found HERE. The Statehouse has not seen the last of the budget, however. On Thursday morning, the House of Representatives held a special session where they overrode 11 vetoed items. The list of those items the House overrode can be found HERE. The Senate must now decide whether or not to concur on these overrides, and as of right now, the Senate has not set a session date to entertain the actions taken by the Ohio House.

#### GOVERNOR VETOES MUNICIPAL WATER AMENDMENT IN BUDGET

One of Gov. Kasich's vetoes removed the language that would have designated municipalities that sold water and sewer infrastructure usage to surrounding communities at whatever price they deemed fair as "predatory annexations", triggering the withholding of 20% of their Local Government Funding.

The League strongly opposed this language when inserted to the budget by the Ohio House and asked for the item to be removed by the Governor through his veto authority. As written, the language would have applied solely to Columbus; however, in addition to prohibiting Columbus from exercising their rights of Home Rule, it would have set a dangerous precedent for all other municipalities.

We are grateful the Administration recognized this and vetoed the amendment.

## GOVERNOR'S VETO OF MEDICAID EXPANSION FREEZE SURVIVES HOUSE HOLDS VETO OVERRIDE VOTES

On Thursday morning, the Ohio House of Representatives held a special session where they overrode 11 of the governor's vetoed items. The House voted 87-10 to override Gov. Kasich's veto of the Legislature's Medicaid managed care organization (MCO) sales tax replacement plan. Counties and transit authorities rely substantially on the revenue from the MCO sales tax, and legislators expressed during floor speeches that while the governor's plan to replace the MCO tax would result in a loss of revenue, the plan the Legislature passed would instead ask the federal government to allow Ohio to adjust rates over a six-year period to help local governments and transit authorities wean themselves off of that revenue. Their vote put the Legislature's plan back into the bill.

Most of the other veto overrides dealt with Medicaid as well. One veto override gave the Legislature the authority to control who is eligible for Medicaid. Another granted the Joint Medicaid Oversight Committee the authority to oversee any Medicaid rate increases. Two veto overrides will increase rates for neonatal and newborn services, as well as rates for nursing facilities, while two more overrides delay both moving Medicaid long-term care services into managed care, and adding behavioral health services into managed care. One veto override will grant the Legislature, not the Controlling Board, more authority over spending funding for state Medicaid should the federal government's matching rate change, and another will require the administration to seek another waiver for the Healthy Ohio Medicaid program. This waiver will mandate that certain enrollees must pay into a modified health savings account.

Other veto overrides dealt with issues other than Medicaid. One override will transfer appointment authority from the governor to the Legislature for members of the Ohio Oil and Gas Leasing Commission. The other will limit the amount of money the Controlling Board can appropriate to the Legislature's limit of half of a perfect of the General Revenue Fund, which totals to roughly \$165 million.

One issue that was not voted on Thursday morning but which is technically still in play is the issue of the governor's Medicaid expansion freeze - a hotly-contested issue. Speaker Rosenberger (R-Clarksville) explained that the House is giving the federal government the summer to see how Congress's repeal-and-replacement of the Affordable Care Act progresses. He said the House could very well take up the issue for a vote in the fall. All veto items the House did not override they have marked as "pending", giving them the ability to act on the vetoes any time over the rest of the General Assembly.

The House's veto overrides now head to the Senate, which has not yet set a date to vote these issues. The Senate has the rest of the 132<sup>nd</sup> General Assembly (which will end in 2018) to vote to override the governor's vetoes, but will not be allowed to vote on items the House has not already overridden. Senate President Obhof has indicated these issues could be taken up during the summer, or could be considered when the Legislature comes back into session in the fall. With the announcement of this opened schedule to address items like the Medicaid freeze, the timing may lend itself to legislative attention being given to the matter during the infamous Lame Duck session. We will be sure to keep our members informed of the Legislature's movements on these issues throughout the coming months.

## BUDGET BILL FUNDS LEADERSHIP INSTITUTIE FOR STATE AND LOCAL OFFICIALS

On Wednesday, the Ohio State University's John Glenn College of Public Affairs celebrated the launch of the State of Ohio Leadership Institute (SOTI). The project, created by the Ohio State University and the University of Cincinnati, was designed to help new lawmakers at both the state and local level. The budget allocated \$5 million to ensure its creation.

House Speaker Rosenberger (R-Clarksville), who was a key supporter of the provision, cited examples of local officials unaware of state money available to local governments to fund local projects, or who were unsure how to apply for state and federal grants. Speaker Rosenberger, along with Speaker Pro Tem Schuring (R-Canton) said they'd asked for input with local officials in order to ensure the program was designed to provide what they'd need from the institution.

The program will not be available immediately, as the college will be designing the program and hiring new faculty to work alongside existing faculty, while continue to listen to input from local officials and legislators. The school also intends to use endowment money, along with philanthropic and corporate funds, to supplement the state's funding.

We encourage our members to see if the institute, once fully developed and deployed, will help them fulfill their obligations as both as public servants and as members of Ohio's local communities.

#### LEAGUE STAFF CHANGES

It is with a debt of gratitude and wishes for success that we and our members say goodbye to Josh Brown as he leaves the League's legislative team to take a new opportunity as Legal Counsel and Director of Legislative Policy for an expanding advocacy group in Columbus. Josh has served as Director of Communications for the past two years and legislative advocate for the previous five years prior.

Josh came to the League from the Ohio House of Representatives, where he served as a Legislative Aide. He also proudly served in the US Army, US Senate and political organizations around the state. Josh brought to the League a vibrant appreciation for municipalities' need to preserve local control, as well as a solid understanding of issues related to labor law. During his seven years with the League, Josh has not only represented our members at the Ohio Statehouse, but he has also spent a good deal of time on the road, speaking to regional groups about issues being discussed in the legislature impactful to Ohio cities and villages.

We wish Josh great success in his new endeavors and appreciate the service he has shown to Ohio local governments.

With Mr. Brown's departure, we are happy to announce that Ashley Brewster has accepted the offer to serve as OML Director of Communications. Ashley has been with the League for almost a year and holds a bachelor's degree in Journalism and Public Relations from Grace College. Prior to joining the League, Ms. Brewster served as a Senior Legislative Aide in both the Ohio House of Representative and the Ohio Senate. With Ashley's strong communications skills and deep knowledge of the Ohio Legislature, we are excited about the new chapter of the League as we continue to transition into a more effective and solutions-oriented resource for Ohio's cities and villages.

Best of luck, Josh, and welcome to your new role, Ashley!

#### LEGISLATIVE PACE CHANGES FOR SUMMER RECESS

While Sub. HB 49, the two-year state operating budget, continues through the process of enactment in light of the Legislature's response to the Governor's vetoes last week, we want to alert our members that the Ohio General Assembly will be leaving Columbus soon and with their departure, the frequency of our legislative bulletins and alerts will too slow to a more reasonable pace. As such, when the legislature takes their summer recess and is out of session, our legislative bulletins will slow to every other week, or on an as needed basis, if special alerts warrant.

We hope everyone has a great summer.

## **Meeting/Training**

Municipal Income Tax Seminar	July 12 - 14	Registration Information
OMCA Annual Conference	July 16 - 20	Registration Form
OML/OMAA Webinar: Active Shooter in the Workplace	July 19 10:00 ~ 11:00 am	Registration Information
OMAA Law Institute	July 26 - 28	<b>Registration Information</b>

### Ohio Municipal League

Legislative Inquires:
Kent Scarrett, Executive Director
Edward Albright, Deputy Director
Josh Brown, Director of Communications



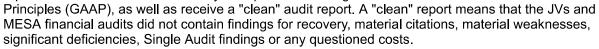
June 30, 2017

## Ohio auditor of state lauds joint ventures, MESA

By Marcy Steckman - senior vice president of finance & chief financial officer

For the fourth consecutive year, AMP's Ohio Municipal Electric Generation Agency (OMEGA) Joint Ventures (JVs) 1, 2, 4, 5, 6 and MESA have received the Auditor of State Award from Ohio's Auditor of State David Yost.

The award is given to those entities that file timely financial reports in accordance with Generally Accepted Accounting



The OMEGA JVs and MESA received the award for the 2016 financial audits, and have received it for each year since 2014.

Receiving the Ohio Auditor of State Award highlights the hard work and efforts of AMP's finance and accounting teams. Our members benefit significantly from the effective and accountable financial practices of AMP.

## U.S. Supreme Court declines to address AMP's petition on EPA Boiler MACT

By Adam Ward - vice president of environmental affairs, sustainability and energy policy

On June 27, the U.S. Supreme Court declined to review a petition of certiorari filed by AMP on March 23 which sought Supreme Court review of the D.C. Court of Appeals' decision in U.S. Sugar v. U.S. EPA. The petition was filed on behalf of members who own and operate boilers and process heaters in an attempt to rectify the lower court's ruling stating that boilers must meet the same emissions standards during periods of malfunction as routine operating conditions. AMP asked the Supreme Court to adopt a new view of how unavoidable malfunctions are treated under the CAA, in hopes of finding a realistic path to compliance during malfunction events and protecting them from discretionary decisions of U.S. EPA enforcement and citizen lawsuits.

Unfortunately, the Supreme Court's decision not to review the petition brings to a close the long-standing challenge to U.S. EPA's Boiler MACT.

### AMP hosts on-site NERC workshop

By Art Iler - director of reliability standards compliance

Participants from eight AMP member electric utilities attended a day-long workshop this week on compliance with reliability requirements by the North American Electric Reliability Corporation's (NERC). The event, held June 27 at AMP headquarters, featured NERC compliance specialists from Utility Services, a consulting firm



with municipal utility experience. They addressed current issues pertinent to AMP's NERC-registered utilities such as the direction that NERC appears to be taking on distributed energy resources (primarily behind-the-meter generation), regularly-audited NERC standards and NERC awareness and training requirements. Utility Services President Brian Evans-Mongeon also discussed an important issue to a growing number of AMP members - compliance with the PJM Interconnection requirements applicable to transmission owners.



AMP is committed to working with its NERC-registered communities through direct assistance and educational programs. AMP hosts a monthly NERC update call with Utility Services that is open to all members. The next call will be on July 27 at 1:30 p.m. If you are interested in participating or need assistance with NERC issues, please contact me at ailer@amppartners.org or 614.540.0857.

#### **Energy markets update**

By Jerry Willman - assistant vice president of energy marketing

The Aug. 2017 NYMEX natural gas contract decreased \$0.052/MMBtu to settle at \$3.042 on its first day of trading as the new prompt month contract yesterday. The EIA reported an injection of 46 Bcf for the week ending June 23rd. Analyst expectations were calling for an injection of 52 Bcf.

On-peak power prices for 2018 at AD Hub closed yesterday at \$35.35/MWh which was \$.19/MWh lower for the week.

On Peak	(16 hour)	prices int	o AEP/Day	ton hub			
Week ending June 30							
MON \$24.11	TUE \$24.45	WED \$26.06	THU \$35.63	FRI \$34.96			
Week ending June 23							
MON \$32.97	TUE \$30.28	WED \$29.72	THU \$35.05	FRI \$30.75			
AEP/Dayton 2018 5x16 price as of June 29 — \$35.35 AEP/Dayton 2018 5x16 price as of June 22 — \$35.54							

### **AFEC** weekly update

By Jerry Willman

Unseasonably cool overnight temperatures precipitated cycling the Fremont plant offline during the off-peak hours Sat. through Tues. The plant ramped up to its maximum base output during the on-peak hours and duct firing was only in operation on Thurs. for 8 hours. The plant generated at a 50% capacity factor (based on 675 MW rating).

### State Budget Reaches Governor Kasich's Desk and Veto Pen

By Charles Willoughby - director of government affairs

Ohio Lawmakers this week completed their work on the biennial state budget bill and sent the bill to Governor Kasich who has until midnight tonight to sign the bill into law. We were disheartened that the bill still included the onerous anti-municipal utility service provision ("Predatory Municipal Corporations" and

LGF penalties for municipal water and sewer utilities). The OMEA and AMP sent Governor Kasich a request to veto the provision due to, among other reasons, the dangerous precedent it sets.

The OMEA worked on several other legislative issues throughout the budget process, all of which were addressed to our satisfaction. These include:

**Village Dissolution** - we were successful in including revised language on the village dissolution provisions that address proper treatment of municipal utility services should a dissolution process take place in a municipal utility community. This will ensure, among other things, there is no interruption of service to customers.

**KWH Tax** - an amendment to exempt certain manufacturers (chlor-alkali facilities) from the KWH tax made the final budget bill. We successfully pursued clarifying language to ensure municipal electric systems retain local decision-making authority and have equal competitive advantage if future economic development opportunities arise.

**Small Hydro** - we were successful in including language that will qualify small hydro facilities as renewable energy resources eligible to generate renewable energy credits (RECs). The cities of Bryan, Columbus and Hamilton own and operate small hydro projects that were previously excluded from qualifying for RECs. The American Wind Energy Association has opposed our language throughout the budget process and asked Gov. Kasich to veto this. We have since reinforced our support for its enactment, as have leaders from the impacted communities.

The budget now before Gov. Kasich signals the end of the fiscal year and beginning of summer recess until fall session begins in Sept. However, House Speaker Cliff Rosenberger warned members he might call a special session on July 6, for a potential override vote if Gov. Kasich vetoes certain Medicaid provisions included in their budget. It would require 20 senators and 60 representatives to override any veto.

We want to thank our members for their engagement throughout the lengthy budget process. Your involvement is critical to our success and the protection of Home Rule for municipal electric systems.

Deserving high school student receives scholarship



Jacob Beckhusen (right) of Coldwater, Mich., received a \$2,500 Richard H. Gorsuch Scholarship from Harry Phillips, AMP director of marketing/member services. Beckhusen is the son of Paul Beckhusen, director of the Coldwater Board of Public Utilities and AMP Board member, and Julie Beckhusen. The one-time scholarship award is presented to a student whose parent or guardian is an employee of AMP or an AMP member municipal electric department. Beckhusen will attend the University of Toledo in the fall to study electrical engineering.

## AMP Lineworkers Rodeo registration, event information available online

By Michelle Palmer, PE - vice president of technical services

Registration and event information for the 2017 AMP Lineworkers Rodeo, Aug. 25-26, is now available on the AMP website. In its fourth year, the Rodeo provides journeyman and apprentice lineworkers the opportunity to demonstrate their skill and knowledge of the craft.

The Rodeo is a wonderful event that showcases the talents of lineworkers in AMP member communities. Competitors have the opportunity to compete in one of three categories, apprentice, individual journeyman and journeyman team. Teams can be comprised of individuals from multiple municipalities.

Volunteers and judges are needed to assist during the event.

#### 2017 Rodeo Events

#### **Apprentice**

Angle Shoe Change-Out Hurtman Rescue Bay-O-Net Fuse Event Service Event Written Test

#### Journeyman

Hurtman Rescue 600A Switch Transfer Angle Shoe Change-Out Bay-O-Net Fuse Event Service Event

#### Journeyman Team

Hurtman Rescue 600A Switch Change-Out Angle Shoe Change-Out URD Event Tie Event For more information, please contact Jennifer Flockerzie, technical services program coordinator, at iflockerzie@amppartners.org or 614.540.0853.



### Volunteers needed for second AMP Rodeo build day

The next Rodeo build day is set for July 6, and volunteers are still needed (especially digger derricks) to assist in preparing the rodeo field for this year's AMP Lineworkers Rodeo. An additional build day is planned for Aug. 3. If you're interested and available for either date, please contact Bob Rumbaugh at 614.204.8500 or rrumbaugh@amppartners.org.

## **DEMEC Sponsors Customer Service Training for Local Public Power Utilities**

Provided by Delaware Municipal Electric Corporation

The Delaware Municipal Electric Corporation (DEMEC) sponsored and hosted customer service training on July 27 for more than 25 local public power utility staff members. The training, "Strategies for Successful Customer Service Operations," covered a range of customer service priorities and focused on providing quality customer service in today's world. Discussions centered around defining and providing customer service, identifying customer needs and consciously making customer service a strategy of your utility. Customer service is not just the responsibility of one but is required of every employee.

Instructor Steve VanderMeer, senior vice president of planning and marketing for Hometown Connections, explained how social media, phone systems, and building/office security improvements could all affect how customers view the utility. Additionally, differing generational expectations for customer service and the immediate service that customers have come to expect play a big role in how a utility's customer service is rated.

DEMEC recognizes the importance of customer service and plans to continue providing more of these opportunities for our members and as such, is working with APPA to promote their Customer Service Certificate program. The overwhelmingly positive feedback from the participants helps support this needed training.

Steve VanderMeer, of Hometown Connections, discusses customer service at the DEMEC training session.



### **Upcoming Focus Forward events**

The next Focus Forward Advisory Council (FFAC) meeting is scheduled for July 11 from 2 to 3 p.m. via WebEx. The FFAC will be reviewing the prioritized list of topics for the group to focus on and determine next steps. If you are interested in



joining, please contact Erin Miller, director of energy policy and sustainability, at emiller@amppartners.org or 614.540.1019.

#### **Smart Electric Power Alliance (SEPA) events**

Microgrids: The Benefits of Including Energy Storage (Webinar - July 13)



Grid Evolution Summit: A National Town Meeting (Washington, D.C. - July 25-27)

Solar Asset Management 2.0: Meeting Challenges and Maximizing Returns (Webinar - Aug. 10)

### **Member Outing Reminder - Tues., July 18**

#### **AMP Golf Outing**

Registration table opens at 8:00 a.m. Rattlesnake Ridge Golf Course 1 Rattlesnake Dr. Sunbury, OH 43074

Shotgun start at 9:30 a.m.

Registrations are filling up! If you still need to register your foursome or individual golfers, please contact Brandon Poddany at 614.540.0847 or bpoddany@amppartners.org, or Charles Willoughby at 614.205.2087 or cwilloughby@amppartners.org to be sent a copy of the registration forms. Door prizes and donations are welcome!

#### **AMP Organization Update Dinner**

Reception starts at 6:30 p.m. - dinner at 7:00 p.m. Crowne Plaza Hotel (next to AMP offices) 6500 Doubletree Blvd. Columbus, OH 43229

There is no charge to attend the dinner but registrations are required for all attendees. To register for the dinner, please contact Jodi Allalen at 614.540.0916 or jallalen@amppartners.org.

### Calendar

July 11-13 - Hotline Training AMP Headquarters, Columbus

July 18 - AMP Golf Outing/Organizational Update Dinner Columbus

Aug. 2 - AMP Finance Webinar "Distributed Energy Resources" - John Courtney

Aug. 7-11 - Lineworker Basic 1 AMP Headquarters, Columbus

Aug. 25-26 - AMP Lineworkers Rodeo AMP Headquarters, Columbus

Sept. 11-15 - Lineworker Basic 2 AMP Headquarters, Columbus

Sept. 25-28 - AMP/OMEA Annual Conference *Hilton Columbus at Easton* 

### Classifieds

#### Coldwater seeks network technician

The Coldwater Board of Public Utilities (CBPU) is seeking a motivated individual for the position of Network Technician. The successful candidate's daily tasks will vary depending on customer needs, interfaces used, and capabilities of technology available. Primary duties will include installation; maintenance and repair of high speed data and video telecommunications systems; line, cable, switching installation; and maintenance work as necessary. Candidate will also be subject to call outs and after-hours duty from time to time and may be required to be on stand-by status. The candidate should have past knowledge and/or the ability to learn installation and repair techniques utilized for CATV and telephone installations. Deadline to apply is July 7. Interested candidates may submit resumes by mail to Nicki Luce, Coldwater Board of Public Utilities, One Grand Street, Coldwater, MI 49036 or by email at resume@coldwater.org. Phone: 517.279.9531. EOE.

For a complete job description, download the pdf from the AMP website.

## Opportunities available at AMP

American Municipal Power, Inc. (AMP) is seeking applicants for the following positions. For complete job descriptions, please visit the "careers" section of the AMP website.

#### **Director Media Relations & Communications**

#### **Senior Director of Environmental Affairs**

**Debt Manager** 

American Municipal Power, Inc.

STAY CONNECTED







www.amppartners.org