Memorandum

:

To: Mayor and Members of City Council

cc: City Manager, Finance Director, City Law Director

From: Roxanne

Regarding: General Information

Date: October 05, 2018

CALENDAR

MONDAY, OCTOBER 08, 2018

1. AGENDA-ELECTRIC COMMITTEE & BOPA at 6:15 PM

- a. Approval of Minutes
- b. October 2018 PSCAF the reports are attached.
- c. Status of Transmission Ownership
- d. AMP Peak Shaving Project
- e. Electric Department Reports from September 2018 are enclosed.
- 2. **AGENDA-W**ATER, SEWER, REFUSE, RECYCLING & LITTER COMMITTEE at 7:00 PM
 - a. Approval of Minutes
 - b. Water Rate Study Update meeting with BOPA
 - c. Yard Waste Site meeting with BOPA.
 - d. Discussion Regarding Water Treatment Plant Solids Management.
- 3. AGENDA-MUNICIPAL PROPERTIES, BUILDINGS, LAND USE & ECONOMIC DEVELOPMENT COMM. MEETING at 7:30 pm
 - a. Approval of Minutes
 - b. Grant Opportunity to Move Truck Traffic Off Perry Street/St. Rt. 108. [Tabled]
 - c. ODOT TAP Grant Program Award.

INFORMATIONAL ITEMS

- 1. Meetings Canceled
 - a. Board of Zoning Appeals
 - b. Planning Commission
 - c. Health Care Cost Committee
- 2. AMP Weekly Newsletter/September 28, 2018

Records Retention - CM-11 - 2 Years

			October 2018	3		
Sun	Mon 1 6:15 pm Technology Committee 7:00 pm City Council	Tue 2	Wed 3	Thu 4	Fri 5	Sat 6
7	8 6:15 pm Electric Comm BOPA 7:00 pm Water & Sewer Committee 7:30 pm Municipal Properties/ED Committee Greg Heath Vacation	Greg Heath Vacation	10 Greg Heath Vacation	11 Greg Heath Vacation	12 Greg Heath Vacation	13
14		16	17	18	19	20
21	C.20 Einen e	23 4:30 pm Civil Service Commission	24	25	26	27
28	29	30	31 6pm-7:30pm Trick-or-Treat 6:30 pm Parks & Rec Board Mtg.		1	

More 2018 Calendar Layouts... Excel Format, Microsoft Word Format, Holiday Calendar

City of Napoleon, Ohio

ELECTRIC COMMITTEE

Meeting Agenda

Monday, October 08, 2018 at 6:15 pm

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

- 1) Approval of Minutes: September 10, 2018 (In the absence of any objections or corrections, the Minutes shall stand approved).
- Review/Approval of the Power Supply Cost Adjustment Factor for October 2018: PSCAF – three (3) month averaged factor \$0.01451 JV2 \$0.027145 JV5 \$0.027145
- 3) Status of Transmission Ownership.
- 4) AMP Peak Shaving Project.
- 5) Electric Department Reports.
- 6) Any other matters to come before the Committee.
- 7) Adjournment.

Engory A Skath

Finance Director/Clerk of Council

City of Napoleon, Ohio

ELECTRIC COMMITTEE

Meeting Minutes

Monday, September 10, 2018 at 6:15 pm

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PRESEN		IV	г 🤊	ĸ	М

Committee Members **Board of Public Affairs**

City Manager Finance Director Recorder/Records Clerk City Staff Others

Travis Sheaffer-Chair (arrived at 6:27 pm), Joseph D. Bialorucki, Lori Siclair Dr. David Cordes-Chair, Mike DeWit, Rory Prigge

Joel L. Mazur

Gregory J. Heath Roxanne Dietrich

Greg Kuhlman, Electric Department

Call to Order

ABSENT

Acting Chair Bialorucki called the Electric Committee meeting to order at 6:17 pm.

Approval of Minutes

Hearing no corrections or objections, the minutes from the August 13, 2018 meeting stand approved.

Motion to Accept the **BOPA Recommendation** to Approve the September 2018 PSCAF

Motion: Sheaffer Second: Siclair

to accept the BOPA recommendation to approve the September 2018 PSCAF as three month averaged factor \$0.01837, JV2 \$0.021676 and JV5 \$0.021676.

Discussion

Mazur commented the transmission rates are based on our highest peak of the year, transmission rates alone are about \$140,000 a month that equates to about 15-16% of the bill; capacity charge is based on 5 CT, we receive capacity credits for being in generation projects.

Dr. Cordes said he has received complaints the city does not allow people to put roof solar on. Kuhlman replied, we have them out there it is costly to put them on. Dr. Cordes added they said there is a policy only businesses can put solar in. Sheaffer arrived.

6:27 pm Sheaffer Arrived

Kuhlman said there is a house on St. Rt. 108 that has solar, there is a lot of upfront costs. Mazur noted even if you put roof top solar in, there still needs to be poles and wires in the front yard, someone has to pay to have the power

delivered there.

Passed Roll call vote on the above motion: Yea-3 Yea-Bialorucki, Siclair, Sheaffer

Nay-0 Nay-

Status of Transmission Ownership

Mazur informed the committee and board they have been meeting with Reliability First about once every two months. We will be sending AMP a letter summarizing the deal with First Energy and TJM, December 14, 2018 is the date we will go live. There are some issues with the wording for the sale and lease agreements, some items will be sold and others will be owned 50% by each party, it is based on recovery, only 50% can be recovered due to the way it was built, we own and operate the substation, we do not want to separate the 138kv from the 69kv controller room. We will be entering into an O&N agreement with AMP who will be paying us to do what we have been doing for years. No action is needed this item will remain on the agenda.

Electric Department Reports

Kuhlman passed out the Electric Departments reports from August 2018 and asked if there were any questions. It was noted the electric department is taking down lights on Oakwood due to the LED change-out. There was discussion that Scott Street needs to have more lights up.

Other Matters

Mazur said both the Mayor and Travis cannot be at the OMEA Board meeting on September 25th in Cleveland. We are checking with AMP if anyone else can attend for them, it has to be an elected official. Sheaffer said it is a 15-minute meeting, if anyone wants to go.

AMP has the Peak Shaving Project out right now, I spoke with Pam Sullivan she told me we do not need any peak generation, before tonight's meeting I checked with Mike Migloire and it was his recommendation Napoleon can take some extra, AMP will need to know by November 1st. I would request this item be put on the October meeting agenda and would ask the Council President to refer this out as a discussion/action item for City Council. In the meantime, I will meet with AMP for their recommendation and find out how this will affect us. Sheaffer asked how is having so much extra going to help us, we still will have pay for extra whether it's during peak shaving or on a note, think you may be adding an extra expense to pay for peak shaving.

Motion to Adjourn Electric Committee Mtg.

Motion: Sheaffer Second: Siclair to adjourn the Electric Committee meeting at 6:54 pm.

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

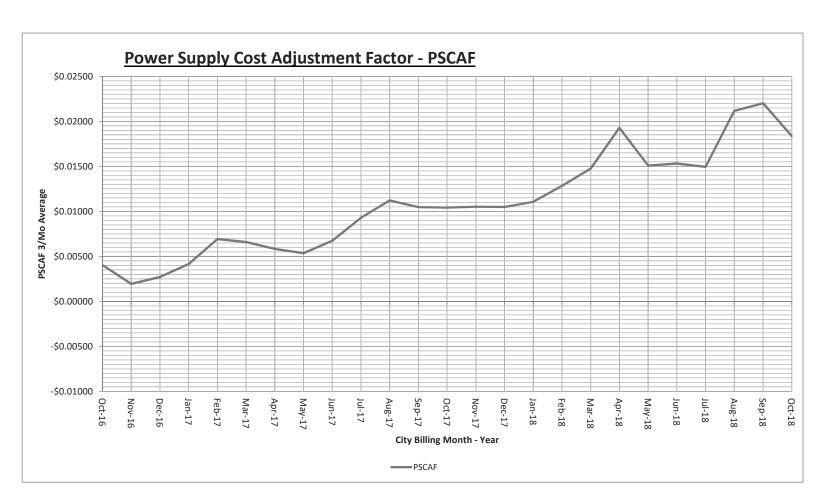
Nay-

Approved

October 08, 2018

Travis Sheaffer - Chair

		POWER SI	IPP	I Y COST AD	HISTMENT E	Δ	CTOR (PSCAF)	١.	COMPLIT	Δ.	TION OF MO	AC	ITHI V DSC	Δ.	=
		I OWEN OC	1				D DATA FROM JULY						IIILI PSC		
						T						t		Ť	
AMP	PSCAF	AMP - kWh	Pι	rchased Power					Rolling		Less: Fixed	Ť	PSCA	P	SCA-Corrto
Billed	City	Delivered		Supply Costs	Rolling 3-M	lo	nth Totals		3 Month		Base Power		Dollar		3 MONTH
Usage	Billing	As Listed on	(*:	=Net of Known)	Current + Pr	rio	r 2 Months	Г	Average	П	Supply	T	Difference	A	VG.FACTO
Month	Month	AMP Invoices	(+	OR - Other Cr's)	kWh		Cost	Γ	Cost		Cost		+ or (-)	+	Line Loss
(a)	(b)	(c)		(d)	(e)	П	(f)	Т	(g)		(h)		(i)		(j)
		Actual Billed	Act	ual Billed w/Cr's	c + prior 2 Mo	П	d + prior 2 Mo			\$0	.07194 Fixed		g+h		i X 1.075
Dec '16	Feb '17	13,827,811	\$	1,089,497.78	38,450,308	\$	3,001,840.39 \$		0.07807	\$	(0.07194) \$		0.00613	\$	0.00659
Jan'17	Mar '17	13,656,702	*\$	1,025,645.91	39,704,605	\$	3,071,724.62\$		0.07736	\$	(0.07194) \$		0.00542	\$	0.00583
Feb'17	Apr '17	11,866,614	*\$	912,320.61	39,351,127	\$	3,027,464.30 \$		0.07693	\$	(0.07194) \$		0.00499	\$	0.00536
Mar'17	May '17	12,936,492	\$	1,069,577.85	38,459,808	\$	3,007,544.37\$		0.07820	\$	(0.07194) \$		0.00626	\$	0.00673
Apr'17	June '17	11,497,068	\$	943,085.70	36,300,174	\$	2,924,984.16\$		0.08058	\$	(0.07194) \$		0.00864	\$	0.00929
May'17	July '17	12,213,395	\$	1,006,024.23	36,646,955	\$	3,018,687.78 \$		0.08237	\$	(0.07194) \$,	0.01043	\$	0.0112
June'17	Aug '17		\$	1,096,910.02	37,290,830	\$	3,046,019.95\$		0.08168	\$	(0.07194) \$	5	0.00974	\$	0.01047
July'17	Sep '17	14,573,346	\$	1,192,319.89	40,367,108	\$	3,295,254.14\$		0.08163	\$	(0.07194) \$	5	0.00969		0.01042
Aug'17	Oct '17	14,326,956	\$	1,182,800.05	42,480,669	\$	3,472,029.96 \$		0.08173	\$	(0.07194)\$	5	0.00979	\$	0.01052
Sept'17	Nov'17	12,915,106	\$	1,041,374.28	41,815,408	\$	3,416,494.22 \$		0.08170	\$	(0.07194) \$,	0.00976	\$	0.01049
Oct'17	Dec'17	12,743,776	*\$	1,064,421.41	39,985,838	\$	3,288,595.74\$		0.08224	\$	(0.07194) \$	5	0.01030	\$	0.0110
Nov'17	Jan'18	12,424,075	\$	1,088,533.30	38,082,957	\$	3,194,328.99\$		0.08388	\$	(0.07194) \$	5	0.01194	\$	0.01284
Dec'17	Feb'18	13,391,143	\$	1,149,912.68	38,558,994	\$	3,302,867.39 \$		0.08566	\$	(0.07194) \$	5	0.01372	\$	0.0147
Jan'18	Mar'18	13,957,533	\$	1,336,329.96	39,772,751	\$	3,574,775.94\$		0.08988	\$	(0.07194) \$	5	0.01794	\$	0.01929
Feb'18	Apr'18	12,213,852	*\$	914,897.80	39,562,528	\$	3,401,140.44 \$		0.08597	\$	(0.07194) \$;	0.01403	\$	0.0150
Mar'18	May'18	12,894,285	*\$	1,115,898.14	39,065,670	\$	3,367,125.90 \$		0.08619	\$	(0.07194) \$	5	0.01425	\$	0.0153
Apr'18	June'18	11,995,837	\$	1,154,645.74	37,103,974	\$	3,185,441.68 \$		0.08585	\$	(0.07194) \$	5	0.01391	\$	0.0149
May'18	July'18	12,812,421	\$	1,184,249.00	37,702,543	\$	3,454,792.88 \$		0.09163	\$	(0.07194) \$	5	0.01969	\$	0.0211
June'18	Aug'18	13,813,277	\$	1,230,516.92	38,621,535	\$	3,569,411.66 \$		0.09242	\$	(0.07194) \$	5	0.02048	\$	0.02202
July'18	Sep'18	15,234,049	\$	1,312,135.13	41,859,747	\$	3,726,901.05\$		0.08903	\$	(0.07194) \$	5	0.01709	\$	0.0183
Aug'18	Oct'18	15,634,242	\$	1,275,023.19	44,681,568	\$	3,817,675.24 \$		0.08544	\$	(0.07194) \$;	0.01350	\$	0.0145
* Total Inc	ludes Other	r (-) Credits / (+) De	ebits in Purchase	d Power Costs, N	No	t Listed on AMP E	3ill	ings:			T		T	
												I			
PSCAF - I	reparers S							-15			wers Signatur				
Name -	Gregory J.	Heath, Financ	e D	irector				N	lame -		Lori A. Rausch	۱, ا	Utility Billing A	dn	ninistrator
-		11/11	-				/	1	V.	0	2	1		1	
	gours	Health	>	9/20/2018			(_	you !		. Kau	0	eh		9/20/201
Signature	00			Date				S	ignature						Date



BILLING SUMMARY AND CONS	SUMPTION	or BILLING	G CYCLE -	OCTOBER.	. 2018				
2018 - OCTOBER BILLING WITH AUGUST 2018						G DATA			
PREVIOUS MONTH'S POWER BILLS - PL									
DATA PERIOD			MUNICIPAL PEAR		DEMINATE & E	ILLICOT.			
AMP-Ohio Bill Month	AUGUST, 2018	31	31.930						
City-System Data Month	SEPTEMBER, 2018	30	01.000						
City-Monthly Billing Cycle	OCTOBER, 2018	31							
City Montally Eliming Cycle			D AND OPEN MA	RKET POWER==	========	==PFAKING==	=========	 -===================================	YDRO POWER
(FREEMONT		MORGAN STNLY.		JV-2		MELDAHL-HYDRO	
PURCHASED POWER-RESOURCES -> (AMP CT	ENERGY		REPLMNT.2015-20	POWER	PEAKING	CSW	SCHED. @	SCHED. @
	SCHED. @ ATSI		REPLMT@ PJMC		POOL			MELDAHL BUS	
Delivered kWh (On Peak) ->	157,933	5,029,269	3,741,653	2,827,200	169,583	2,121	2,301,215	298,279	191,16
Delivered kWh (Off Peak) ->	,	-,,	-,,,,	_,,,	145		_,		,
Delivered kWh (Replacement/Losses/Offset) ->									
Delivered kWh/Sale (Credits) ->					-2,181,230				
, , ,									
Net Total Delivered kWh as Billed ->	157,933	5,029,269	3,741,653	2,827,200	-2,011,502	2,121	2,301,215	298,279	191,16
Percent % of Total Power Purchased->	1.0102%	32.1683%	23.9322%	18.0834%	-12.8660%	0.0136%	14.7191%	1.9079%	1.22279
		-			-				
COST OF PURCHASED POWER:									
DEMAND CHARGES (+Debits)									
Demand Charges	\$31,620.00	\$33,588.73	7 - 7			\$636.24	\$213,447.96	\$17,302.32	\$2,258.3
Debt Services (Principal & Interest)		\$44,287.77	\$100,580.99						\$6,468.5
DEMAND CHARGES (-Credits)									
Transmission Charges (Demand-Credits)	-\$48,665.72					-\$891.76			
Capacity Credit	-\$47,748.21	-\$41,715.42	-\$23,755.63			-\$1,125.71	-\$4,125.51	-\$2,328.25	-\$1,269.2
Sub-Total Demand Charges	-\$64,793.93	\$36,161.08	\$134,468.18	\$0.00	\$0.00	-\$1,381.23	\$209,322.45	\$14,974.07	\$7,457.70
ENERGY CHARGES (+Debits):									
Energy Charges - (On Peak)	\$14.300.84	\$106,582.79	\$45,399.64	\$177,972.24	\$9,739.35	\$112.97	\$73,063.58	\$9,470.36	\$664.1
Energy Charges - (On Peak) Energy Charges - (Replacement/Off Peak)	\$14,300.64	\$100,502.78	\$45,399.04	\$177,972.24	\$9,739.35	\$112.97	\$73,003.50	\$9,470.30	\$004.1
Net Congestion, Losses, FTR		\$13.547.52	\$13.650.57	\$4.668.72	\$3.40		\$8,094.24	\$552.16	\$391.3
Transmission Charges (Energy-Debits)		ψ10,547.02	\$22,066.92	. ,			\$0,034.24	ψ332.10	Ψ001.0
ESPP Charges			Ψ22,000.92						
Bill Adjustments (General & Rate Levelization)		\$1.41	\$1,280,11			\$25.80			\$5.662.9
Dili Adjustifierits (General & Nate Levelization)		Ψ1.41	\$1,200.11			Ψ20.00			ψ3,002.3
ENERGY CHARGES (-Credits or Adjustments):									
Energy Charges - On Peak (Sale or Rate Stabilization)					-\$64.345.88				
Net Congestion, Losses, FTR					\$602.26				
Bill Adjustments (General & Rate Levelization)					***		-\$4,027.13	-\$521.99	-\$334.5
	4	4			4			4	4
Sub-Total Energy Charges	\$14,300.84	\$120,131.72	\$82,397.24	\$182,640.96	-\$54,000.82	\$138.77	\$77,130.69	\$9,500.53	\$6,383.9
TRANSMISSION & SERVICE CHARGES, MISC.:									
RPM / PJM Charges Capacity - (+Debit)									
RPM / PJM Charges Capacity - (-Credit)									
Service Fees AMP-Dispatch Center - (+Debit/-Credit)									
Service Fees AMP-Part A - (+Debit/-Credit)									
Service Fees AMP-Part B - (+Debit/-Credit)									
Other Charges & Bill Adjustments - (+Debit/-Credit)									
Sub-Total Service Fees & Other Charges	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL NET COST OF PURCHASED POWER	ØFO 400 00	\$456.000.00	#246 065 40	\$492.646.00	\$54,000.00	\$4.240.40	\$206 452 44	\$24.474.00	642.044.0
	-\$50,493.09	\$156,292.80	\$216,865.42	\$182,640.96	-\$54,000.82	-\$1,242.46	\$286,453.14	\$24,474.60	\$13,841.6
Percent % of Total Power Cost->	-3.9602%	12.2582%	17.0087%	14.3245%	-4.2353%	-0.0974%	22.4665%	1.9195%	1.0856%
Purchased Power Resources - Cost per kWH->	-\$0.319712	\$0.031077	\$0.057960	\$0.064601	-\$0.026846	-\$0.585790	\$0.124479	\$0.082053	\$0.072407

BILLING SUMMARY AND CONS									
2018 - OCTOBER BILLING WITH AUGUST 2018									
PREVIOUS MONTH'S POWER BILLS - PL									
DATA PERIOD	2								
AMP-Ohio Bill Month									
City-System Data Month									
City-Monthly Billing Cycle			====WIND====	COL AD	TD A NOMICO	ION CEDVICE E	EEC 9 MICC CC	NITD A CTC	
,	NYPA	JV-5	JV-6					MISCELLANEOUS	TOTAL -
PURCHASED POWER-RESOURCES -> (HYDRO	JV-5 HYDRO	JV-6 WIND	PHASE 1					ALL
PURCHASED POWER-RESOURCES -> (POWER PLANT		DISPATCH, A & B		
	SCHED. @ NYIS	7x24 @ ATSI	SCHED. @ ATSI	SCHED. @ ATSI	2017 - 2020	Other Charges	Other Charges	LEVELIZATION	RESOURCES
Delivered kWh (On Peak) ->	602,936	2,297,472	18,959	143,989	0	0	0	0	17,781,772
Delivered kWh (Off Peak) ->		00 555							145
Delivered kWh (Replacement/Losses/Offset) ->		33,555							33,555
Delivered kWh/Sale (Credits) ->									-2,181,230
					-	-	-	-	
Net Total Delivered kWh as Billed ->		2,331,027	18,959	143,989	0	0	0	0	15,634,242
Percent % of Total Power Purchased->	3.8565%	14.9098%	0.1213%	0.9210%	0.0000%	0.0000%	0.0000%	0.0000%	100.0000%
								Verification Total - >	100.0000%
COST OF PURCHASED POWER:									
DEMAND CHARGES (+Debits)									
Demand Charges	\$6,285.61	\$34,667.97	\$1,593.83			\$137,730.08			\$536,773.89
Debt Services (Principal & Interest)		\$55,367.84							\$206,705.18
DEMAND CHARGES (-Credits)									
Transmission Charges (Demand-Credits)		-\$14,326.49	-\$46.75						-\$63,930.72
Capacity Credit	-\$4,685.99	-\$15,470.15	-\$99.50						-\$142,323.58
Sub-Total Demand Charges	\$1,599.62	\$60,239.17	\$1,447.58	\$0.00	\$0.00	\$137,730.08	\$0.00	\$0.00	\$537,224.77
ENERGY CHARGES (+Debits):									
Energy Charges - (On Peak)	\$13,653.80	\$46,127.06		\$12,527.06		\$4,188.73			\$513,802.60
Energy Charges - (Replacement/Off Peak)									\$3.45
Net Congestion, Losses, FTR	\$647.24								\$41,551.84
Transmission Charges (Energy-Debits)									\$22,066.92
ESPP Charges					\$18,012.14				\$18,012.14
Bill Adjustments (General & Rate Levelization)									\$6,970.22
ENERGY CHARGES (-Credits or Adjustments):									
Energy Charges - On Peak (Sale or Rate Stabilization)									-\$64,345.88
Net Congestion, Losses, FTR									\$602.26
Bill Adjustments (General & Rate Levelization)	-\$3,872.02								-\$8,755.68
Sub-Total Energy Charges	\$10,429.02	\$46,127.06	\$0.00	\$12,527.06	\$18,012.14	\$4,188.73	\$0.00	\$0.00	\$529,907.87
TRANSMISSION & OFFICE SUAPERS STORE									
TRANSMISSION & SERVICE CHARGES, MISC.:									
RPM / PJM Charges Capacity - (+Debit)						\$195,701.35			\$195,701.35
RPM / PJM Charges Capacity - (-Credit)									\$0.00
Service Fees AMP-Dispatch Center - (+Debit/-Credit)							\$323.67		\$323.67
Service Fees AMP-Part A - (+Debit/-Credit)							\$2,774.03		\$2,774.03
Service Fees AMP-Part B - (+Debit/-Credit)							\$9,091.50		\$9,091.50
Other Charges & Bill Adjustments - (+Debit/-Credit)									\$0.00
Out Total Comits From 8 Other Observe	00.00		#C 22	A 2.22	0.00	#40F 70 1 CT	#40.40C.CC	#C	#007.00C.
Sub-Total Service Fees & Other Charges	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$195,701.35	\$12,189.20	\$0.00	\$207,890.55
TOTAL NET COST OF PURCHASED POWER	\$12,028.64	\$100,000,00	\$1,447.58	\$12,527.06	\$40,040,14	\$337,620.16	\$40,400.00	\$0.00	\$4.27F.022.40
		\$106,366.23			\$18,012.14		\$12,189.20		\$1,275,023.19
Percent % of Total Power Cost->	0.9434%	8.3423%	0.1135%	0.9825%	1.4127%	26.4795%	0.9560%	0.0000%	100.0000%
		******	40.000	40.00		*****		Verification Total - >	\$1,275,023.19
Purchased Power Resources - Cost per kWH->	\$0.019950	\$0.045631	\$0.076353	\$0.087000		\$0.000000	\$0.000000		\$0.081553
							kWH) = JV2 Electri kWH) = JV5 Electri		\$0.027145
			(NORT	ieiii Pool Power -	OII-FEAK + OII-Pea	k - ⊑nergy Unarge/	KVVII) = JVD EIECTI	c service Rate - >	\$0.027145

BILLING SUMMARY AN	D CO	NSUN	IPTION fo	or BILLING	CYCLE	- ОСТО	BER, 20	18							
OCTOBER, 2018															
2018 - OCTOBER BILLING WITH AUGU	JST 2018		LING PERIOD A	ND SEPTEMBER	₹ 2018 CITY C	ONSUMPTION									
		Sep-18					Cost / kWH	Oct-17				Nov-17			
Class and/or	Rate	# of	Sep-18	Sep-18	Billed kVa		Prior 12 Mo	# of	Oct-17	Oct-17	Cost / kWH	# of	Nov-17	Nov-17	Cost / kWH
Schedule	Code	Bills	(kWh Usage)	Billed	of Demand	For Month	Average	Bills	(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month
Residential (Dom-In)	E1	3,350		\$381,317.28		\$0.1237	\$0.1236	3,332	2,223,727	\$263,326.85	\$0.1184	3,342	2,183,770	\$258,960.04	
Residential (Dom-In) w/Ecosmart	E1E	8		\$768.44		\$0.1250	\$0.1254	9	5,030	\$604.13	\$0.1201	9	5,189	\$621.37	\$0.1197
Residential (Dom-In - All Electric)	E2	612		\$59,991.48		\$0.1248	\$0.1215	601	358,277	\$42,791.55	\$0.1194	607	359,718	\$42,973.88	
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	1	944	\$116.65	. 0	\$0.1236	\$0.1253	1	601	\$71.72	\$0.1193	1	498	\$60.45	\$0.1214
Total Residential (Domestic)		3,971	3,569,219	\$442,193.85	0	\$0.1239	\$0.1232	3,943	2,587,635	\$306,794.25	\$0.1186	3,959	2,549,175	\$302,615.74	\$0.1187
Residential (Rural-Out)	ER1	785	891,997	\$116,624.29	0	\$0.1307	\$0.1294	777	664,288	\$83,537.14	\$0.1258	782	671,146	\$84,360.08	\$0.1257
Residential (Rural-Out) w/Ecosmart	ER1E	4	3,606	\$479.65	. 0	\$0.1330	\$0.1329	4	2,206	\$291.63	\$0.1322	4	2.317	\$304.24	
Residential (Rural-Out - All Electric)	ER2	373		\$59,978.41	0	\$0.1300		376	361,254	\$44,970.86	\$0.1245	375	356,797	\$44 441 94	\$0.1246
Res. (Rural-Out - All Electric) w/Ecosman	ER2E	2		\$285.67	. 0	\$0.1311	\$0.1280	2	1.534	\$194.96	\$0.1271	2	1.712	\$215.25	
Residential (Rural-Out w/Dmd)	ER3	16		\$2,912.12	259	\$0.1289		16	12,662	\$1,603.74		16	15,601	\$1,938.09	
Residential (Rural-Out - All Electric w/Dm	ER4	9		\$1,281.92		\$0.1311		9	7.172	\$907.99	\$0.1266	0	7.142	\$904.42	\$0.1266
residential (relai-Odt - All Electric Wibin	LIVT		3,700	Ψ1,201.32	- 73	ψ0.1011	ψ0.1237		7,172	9301.00	ψ0.1200	3	7,142	ψ304.42	ψ0.1200
Total Residential (Rural)		1,189	1,391,549	\$181,562.06	332	\$0.1305	\$0.1285	1,184	1,049,116	\$131,506.32	\$0.1253	1,188	1,054,715	\$132,164.02	\$0.1253
Total Residential (Rural)		1,109	1,351,345	\$101,302.00	332	\$0.1303	\$0.1205	1,104	1,045,110	\$131,306.32	\$0.1255	1,100	1,054,715	\$132,104.02	\$0.1255
Communicative District No. 10	F00		00.7:-	60 100		60.45	60.155		047:-	er 000	60.155		00.55	er oro	60.455
Commercial (1 Ph-In - No Dmd)	EC2	73		\$6,108.85	13	\$0.1577	\$0.1568	76	34,747	\$5,333.29	\$0.1535	76	32,527	\$5,050.68	\$0.1553
Commercial (1 Ph-Out - No Dmd)	EC2O	48	7,906	\$1,644.36	. 0	\$0.2080	\$0.2002	48	7,344	\$1,510.81	\$0.2057	48	7,470	\$1,526.63	\$0.2044
															
Total Commercial (1 Ph) No Dmd		121	46,651	\$7,753.21	13	\$0.1662	\$0.1651	124	42,091	\$6,844.10	\$0.1626	124	39,997	\$6,577.31	\$0.1644
		1		I											
Commercial (1 Ph-In - w/Demand)	EC1	262	398,500	\$59,217.68	2081	\$0.1486	\$0.1500	259	379,198	\$53,697.15	\$0.1416	260	319,807	\$47,319.16	\$0.1480
Commercial (1 Ph-Out - w/Demand)	EC10	25		\$7 170 55	165	\$0.1369	\$0.1360	25	44 552	\$5,902.21	\$0.1325	25	44 645	\$5,891.25	
(,	***************************************			,	40,000.000	
Total Commercial (1 Ph) w/Demand		287	450,896	\$66,388.23	2,246	\$0.1472	\$0.1482	284	423,750	\$59,599.36	\$0.1406	285	364,452	\$53,210.41	\$0.1460
Total Commercial (1111) W/Demand		207	430,030	\$00,000.20	2,240	\$0.147Z	90.1402	204	420,730	400,000.00	\$0.1400	200	304,432	\$55,£10.41	\$0.1400
Commercial (3 Ph-Out - No Dmd)	EC40	_	40	\$41.40		\$1.0350	\$0.1389	0	80	\$46.17	\$0.5771		40	\$41.09	\$1.0273
Commercial (3 Ph-Out - No Driid)	EU4U		. 40	\$41.40	4	\$1.0350	\$0.1369		00	\$40.17	\$0.5771		40	\$41.09	\$1.0273
				***************************************						*					
Total Commercial (3 Ph) No Dmd		2	40	\$41.40	4	\$1.0350	\$0.1389	2	80	\$46.17	\$0.5771	2	40	\$41.09	\$1.0273
				<u> </u>											
Commercial (3 Ph-In - w/Demand)	EC3	205	1,852,442	\$246,545.64	6115	\$0.1331	\$0.1321	204	1,692,732	\$214,231.62	\$0.1266	205	1,517,308	\$193,360.95	\$0.1274
Commercial (3 Ph-Out - w/Demand)	EC3O	37	302,193	\$41,843.55	1461	\$0.1385	\$0.1326	38	325,955	\$41,725.26	\$0.1280	38	294,347	\$39,396.29	\$0.1338
Commercial (3 Ph-Out - w/Dmd.&Sub-St.	E3SO	3	126,360	\$15,879.18	468	\$0.1257	\$0.1232	3	116,000	\$13,869.38	\$0.1196	3	129,040	\$15,176.79	\$0.1176
Commercial (3 Ph-In - w/Demand, No Ta	EC3T	1	8,880	\$1,126.29	24	\$0.1268	\$0.1414	1	5,480	\$770.10	\$0.1405	1	4,360	\$641.13	\$0.1470
Total Commercial (3 Ph) w/Demand		246	2.289.875	\$305,394.66	8,068	\$0.1334	\$0.1317	246	2,140,167	\$270,596.36	\$0.1264	247	1,945,055	\$248,575.16	\$0.1278
(-,,	***************************************	,	******	******		2,112,121	4-10,000.00	*****		1,010,000	42.10,01.01.1	+
Large Power (In - w/Dmd & Rct)	EL1	20	2,452,238	\$263,428.77	5252	\$0.1074	\$0.1083	20	2,337,738	\$237,863.72	\$0.1017	20	2,135,368	\$229,141.71	\$0.1073
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	3		\$111.927.95	2060	\$0.0993	\$0.0985	20	1,123,509	\$108.039.15	\$0.0962	20	1,135,244	\$106.358.90	\$0.0937
Large Power (Out - w/Dmd & Rct, w/SbC)	EL20	1	507 600	\$54,558.29	1089	\$0.1075	\$0.1057	- 1	537 600	\$53,006.22	\$0.0986	- 1	550.800	\$53,439,61	\$0.0970
	EL20	-	80.800	\$13.357.94	441		\$0.1057	- 1	81.360	\$16.071.48	\$0.0966	- 1	76.818	\$53,439.61 \$10.209.80	
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	- 2	80,800	\$13,357.94	441	\$0.1653	\$0.1434	- 2	81,360	\$16,071.48	\$0.1975	- 2	/6,818	\$10,209.80	\$0.1329
Total Large Power		26	4,168,181	\$443,272.95	8,842	\$0.1063	\$0.1060	26	4,080,207	\$414,980.57	\$0.1017	26	3,898,230	\$399,150.02	\$0.1024
Industrial (In - w/Dmd & Rct, w/SbCr)	El1	1	1,140,164	\$108,239.67	1963	\$0.0949	\$0.0944	1	1,129,616	\$99,604.19	\$0.0882	1	1,112,781	\$97,747.46	
Industrial (In - w/Dmd & Rct, No/SbCr)	El2	1	916,506	\$87,069.32	1531	\$0.0950	\$0.0969	1	796,422	\$72,352.61	\$0.0908	1	957,307	\$86,295.32	\$0.0901
Total Industrial		2	2,056,670	\$195,308.99	3,494	\$0.0950	\$0.0954	2	1,926,038	\$171,956.80	\$0.0893	2	2,070,088	\$184,042.78	\$0.0889
Interdepartmental (In - No Dmd)	ED1	10	48,027	\$6,417.77	165	\$0.1336	\$0.1290	8	30,204	\$3,954.95	\$0.1309	9	30,726	\$3,903.70	\$0.1270
Interdepartmental (Out - w/Dmd)	ED2O	2		\$103.55	0	\$0.1761	\$0.1968	2	288	\$60.78	\$0.2110	2	365	\$70.56	\$0.1933
Interdepartmental (In - w/Dmd)	ED2	29		\$3,536.12	n	\$0.1499	\$0.1399	26	20.645	\$2,940.06	\$0.1424	26	22,151	\$3,130.33	
Interdepartmental (3Ph-In - w/Dmd)	ED3	10		\$20,179.18	528	\$0.1306	\$0.1267	11	191.075	\$22,412.21	\$0.1173	11	170 644	\$19 992 77	\$0.1172
Interdepartmental (Street Lights)	EDSL	7		\$5.868.82		\$0.0931	\$0.0930	7	62.879	\$5.850.15	\$0.0930	7	63,071	\$5.865.70	\$0.0930
Interdepartmental (Greet Eights)	EDTS	8		\$149.33	. 0	\$0.0931	\$0.0930	9	1.641	\$151.75	\$0.0930	9	1.699	\$157.09	
		1		\$149.33	22	\$0.0925	\$0.0925	9	1,641	\$151.75	\$0.0925	9	19.414	\$157.09	
Generators (JV2 Power Cost Only)	GJV2 GJV5	₩-	14,354	\$311.19 \$144.67	. 22	\$0.0217	\$0.0000	1	19,650	\$149.14 \$95.75		1	19,414	\$444.39 \$272.53	\$0.0229 \$0.0229
Generators (JV5 Power Cost Only)	GJV5	-	6,673	\$144.67	- 0	\$0.0217	\$0.0000	1	12,615	\$95.75	\$0.0076	1 1	11,906	\$272.53	\$0.0229
Total lateral and and a				600 740		60.11	60.44		222.25	60= 044 ==	60.405	66	940.05	ė00 00=	60.100
Total Interdepartmental		68	312,445	\$36,710.63	715	\$0.1175	\$0.1142	65	338,997	\$35,614.79	\$0.1051	66	319,976	\$33,837.07	\$0.1057
	_					L									
SUB-TOTAL CONSUMPTION & DEMAN	D	5,912	, ,	\$1,678,625.98		\$0.1175	\$0.1164	5,876	, ,	\$1,397,938.72	\$0.1111	5,899	12,241,728		\$0.1111
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		L													
Street Lights (In)	SLO	14	0	\$13.44	0	\$0.0000	\$0.0458	13	0	\$13.28	\$0.0000	13	0	\$13.28	\$0.0000
Street Lights (Out)	SLOO	2	0	\$1.91	0	\$0.0000	\$0.0000	2	0	\$1.91	\$0.0000	2	0	\$1.92	\$0.0000
- ' '															
Total Street Light Only		16	0	\$15.35	. 0	\$0.0000	\$0.0517	15	0	\$15.19	\$0.0000	15	0	\$15.20	\$0.0000
5 ,						1									
			+	h	+										
		5 922	14 285 5261	\$1 678 644 33	23 744	\$0 1175	\$0.1164	5 801	12 588 021	\$1 397 953 91	\$0.1111	5 914	12 241 728	\$1 360 228 80	
TOTAL CONSUMPTION & DEMAND		5,928		\$1,678,641.33		\$0.1175	\$0.1164	5,891	12,588,081	\$1,397,953.91	\$0.1111	5,914	12,241,728	\$1,360,228.80	\$0.1111

BILLING SUMMARY AN	ID CO	Ni .															
OCTOBER, 2018	00	1															
2018 - OCTOBER BILLING WITH AUG	UST 2018																
ZOTO GOTOBER BIZEMO WITH AGO	2012	Dec-17				Jan-18				Feb-18				Mar-18			
Class and/or	Rate	# of	Dec-17	Dec-17	Cost / kWH	# of	Jan-18	Jan-18	Cost / kWH	# of	Feb-18	Feb-18	Cost / kWH	# of	Mar-18	Mar-18	Cost / kWH
Schedule	Code	Bills	(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	3,343	1,828,366	\$220,986.13	\$0.1209	3,335	2,010,836	\$244,589.76	\$0.1216	3,343	2,600,843	\$315,462.64	\$0.1213	3,335	2,361,100	\$298,911.41	\$0.1266
Residential (Dom-In) w/Ecosmart	E1E	9	4,265	\$522.82	\$0.1226	9	4,807	\$590.89	\$0.1229	8	4,499	\$559.08	\$0.1243	8	4,002	\$520.81	\$0.1301
Residential (Dom-In - All Electric)	E2	600	411,193	\$48,798.42	\$0.1187	604	564,281	\$66,628.60	\$0.1181	602	864,143	\$101,722.88	\$0.1177	606	786,539	\$96,518.49	\$0.1227
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	1	543	\$65.68	\$0.1210	1	418	\$52.69	\$0.1261	1	535	\$66.78	\$0.1248	1	523	\$67.78	\$0.1296
Total Residential (Domestic)		3,953	2,244,367	\$270,373.05	\$0.1205	3,949	2,580,342	\$311,861.94	\$0.1209	3,954	3,470,020	\$417,811.38	\$0.1204	3,950	3,152,164	\$396,018.49	\$0.1256
Residential (Rural-Out)	ER1	780	685,224	\$86,337.74		773		\$96,763.07	\$0.1265	771	986,496	\$124,341.31	\$0.1260	771	908,972	\$119,325.99	\$0.1313
Residential (Rural-Out) w/Ecosmart	ER1E	4	2,675	\$346.59	\$0.1296	4 376		\$423.51	\$0.1285	377	4,035 639,067	\$517.35	\$0.1282	4 376	3,609	\$483.33	\$0.1339
Residential (Rural-Out - All Electric)	ER2 FR2F	375	403,035 1,834	\$49,945.45	\$0.1239 \$0.1255	3/6	472,990 2 390	\$58,795.22 \$298.17	\$0.1243	3//	3 571	\$79,311.81 \$442.41	\$0.1241	3/6	583,114 3.058	\$75,345.72 \$395.64	\$0.1292
Res. (Rural-Out - All Electric) w/Ecosman Residential (Rural-Out w/Dmd)	ER2E ER3	16	64,428	\$230.21 \$7,518.60	\$0.1255	16		\$16,276.44	\$0.1248 \$0.1169	16	93,486	\$11,174.66	\$0.1239 \$0.1195	16	25,797	\$3,325.21	\$0.1294 \$0.1289
Residential (Rural-Out - All Electric w/Dm	ER4	0	24.064	\$2,842.60		9		\$3,474.71	\$0.1109	9	11.992	\$1,508.09	\$0.1193	9	11,504	\$1,502.79	\$0.1209
Residential (Rural-Out - All Electric W/DITI	ER#	9	24,004	φ2,042.00	\$0.1161	9	29,131	93,474.71	\$0.1192	9	11,552	φ1,306.09	φυ. 1236	9	11,304	\$1,302.79	φ0. 1300
Total Residential (Rural)		1,186	1,181,260	\$147,221.19	\$0.1246	1,180	1,412,182	\$176,031.12	\$0.1247	1,179	1,738,647	\$217,295.63	\$0.1250	1,178	1,536,054	\$200,378.68	\$0.1305
Total Residential (Rulal)		1,100	1,101,200	\$147,221.13	\$0.1240	1,100	1,412,102	\$170,031.12	\$0.1247	1,173	1,700,047	\$217,233.03	\$0.1250	1,170	1,000,004	\$200,570.00	\$0.1000
Commercial (1 Ph-In - No Dmd)	EC2	73	33,935	\$5.213.13	\$0.1536	72	33,842	\$5,248.60	\$0.1551	73	43,883	\$6,642.26	\$0.1514	74	41,741	\$6,562.97	\$0.1572
Commercial (1 Ph-Out - No Dmd)	EC2O	48	7,896	\$1,585.34		48		\$2,015.82	\$0.1813	48	12,402	\$2,206.58	\$0.1779	48	10,219	\$1,966.08	\$0.1924
				-1,000.04	JO.2000				-0.1010		12,102		-5.1170				, o. 1024
Total Commercial (1 Ph) No Dmd		121	41,831	\$6,798.47	\$0.1625	120	44,958	\$7,264.42	\$0.1616	121	56,285	\$8,848.84	\$0.1572	122	51,960	\$8,529.05	\$0.1641
			,,,,,	,	1		,,,,,,	. ,			,===	,			. ,,,,,,,	,	
Commercial (1 Ph-In - w/Demand)	EC1	261	291,661	\$43,822.32	\$0.1503	261	284,512	\$42,357.67	\$0.1489	261	328,599	\$48,114.24	\$0.1464	261	339,671	\$51,012.55	\$0.1502
Commercial (1 Ph-Out - w/Demand)	EC10	26	42,872	\$5,729.42	\$0.1336	25	43,761	\$5,916.71	\$0.1352	25	50,064	\$6,772.87	\$0.1353	25	52,526	\$7,223.28	\$0.1375
,																	
Total Commercial (1 Ph) w/Demand		287	334,533	\$49,551.74	\$0.1481	286	328,273	\$48,274.38	\$0.1471	286	378,663	\$54,887.11	\$0.1449	286	392,197	\$58,235.83	\$0.1485
Commercial (3 Ph-Out - No Dmd)	EC40	2	80	\$46.22	\$0.5778	2	17,480	\$2,292.64	\$0.1312	2	30,880	\$4,075.47	\$0.1320	2	1,400	\$226.32	\$0.1617
Total Commercial (3 Ph) No Dmd		2	80	\$46.22	\$0.5778	2	17,480	\$2,292.64	\$0.1312	2	30,880	\$4,075.47	\$0.1320	2	1,400	\$226.32	\$0.1617
Commercial (3 Ph-In - w/Demand)	EC3	205	1,433,490	\$184,075.24	\$0.1284	204		\$166,754.24	\$0.1301	206	1,371,679	\$179,694.62	\$0.1310	204	1,414,470	\$190,732.90	\$0.1348
Commercial (3 Ph-Out - w/Demand)	EC3O	38	437,383	\$55,388.91	\$0.1266	37		\$62,293.93	\$0.1249	37	387,026	\$50,165.48	\$0.1296	37	336,281	\$45,317.24	\$0.1348
Commercial (3 Ph-Out - w/Dmd.&Sub-St.	E3SO	3	111,840	\$13,266.17	\$0.1186	3		\$14,870.27	\$0.1195	3	121,400	\$14,925.35	\$0.1229	3	128,240	\$16,205.40	\$0.1264
Commercial (3 Ph-In - w/Demand, No Ta:	EC3T	1	4,720	\$688.22	\$0.1458	1	1,880	\$317.02	\$0.1686	1	1,880	\$246.39	\$0.1311	1	1,920	\$259.83	\$0.1353
T		0.47	4 007 400	0050 440 54	00 1075		4 000 055	****************	** ****	0.47	4 004 005	***************	00.4000		4 000 044	***********	00.4040
Total Commercial (3 Ph) w/Demand		247	1,987,433	\$253,418.54	\$0.1275	245	1,906,855	\$244,235.46	\$0.1281	247	1,881,985	\$245,031.84	\$0.1302	245	1,880,911	\$252,515.37	\$0.1343
	F1.4	00	0.400.000	0000 000 04	80.4000		0.000.450	0040 050 00	00.4004		4.044.007	0400 455 40	80.4000	0.0	0.000.500	0000 004 07	00.4440
Large Power (In - w/Dmd & Rct)	EL1 EL2	20	2,168,883 1,022,737	\$222,936.81 \$97.146.25	\$0.1028 \$0.0950	20	2,006,153 927,688	\$213,358.86 \$88,035.71	\$0.1064 \$0.0949	20	1,814,927 966,577	\$198,455.18 \$96,296.51	\$0.1093 \$0.0996	20	2,068,532 949.906	\$229,984.97 \$96,998,93	\$0.1112 \$0.1021
Large Power (In - w/Dmd & Rct, w/SbCr) Large Power (Out - w/Dmd & Rct, w/SbC	EL2O	1	540.000	\$52.214.92	\$0.0930	1		\$48.097.78	\$0.0949	1	367.200	\$41.884.75	\$0.0990	- 1	523,200	\$56,086,13	\$0.1021
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	88.348	\$8,206,94	\$0.0907	2		\$8.470.21	\$0.1002	2	116.013	\$10.980.28	\$0.0946	2	110.023	\$10.673.16	\$0.1072
Large Fower (III - W/DIIId & Rct, W/3DCI)	ELS		00,340	\$0,200.94	\$0.0929		00,001	\$0,470.21	\$0.0967		110,013	\$10,960.26	\$0.0940		110,023	\$10,073.10	\$0.0970
Total Large Power		26	3,819,968	\$380,504.92	\$0.0996	26	3,499,672	\$357,962.56	\$0.1023	26	3,264,717	\$347,616.72	\$0.1065	26	3,651,661	\$393,743.19	\$0.1078
			2,212,222	*****	. ,		2,122,212	*****			-,,	**********			-,,	4,	
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	1	1.089.751	\$95.026.41	\$0.0872	1	1.008.863	\$93,691,01	\$0.0929	1	839.013	\$84.432.41	\$0.1006	1	1.048.501	\$101.993.48	\$0.0973
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	1	793,944	\$73,110.92		1	580,356	\$61,860.44	\$0.1066	1	589,615	\$64,585.76	\$0.1095	1	749,970	\$75,744.35	\$0.1010
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Total Industrial		2	1,883,695	\$168,137.33	\$0.0893	2	1,589,219	\$155,551.45	\$0.0979	2	1,428,628	\$149,018.17	\$0.1043	2	1,798,471	\$177,737.83	\$0.0988
Interdepartmental (In - No Dmd)	ED1	9	35,134	\$4,725.24	\$0.1345	9		\$5,798.00	\$0.1233	9	63,930	\$7,771.28	\$0.1216	10	60,747	\$7,601.39	\$0.1251
Interdepartmental (Out - w/Dmd)	ED2O	2	269	\$58.51	\$0.2175	2		\$59.76	\$0.2173	2	257	\$57.92	\$0.2254	2	265	\$60.17	\$0.2271
Interdepartmental (In - w/Dmd)	ED2	28	44,216	\$5,978.93		32		\$8,039.29	\$0.1358	30	85,669	\$11,592.07	\$0.1353	27	72,209	\$10,123.32	\$0.1402
Interdepartmental (3Ph-In - w/Dmd)	ED3	11	192,105	\$24,351.34		11		\$29,509.11	\$0.1272	11	317,586	\$38,870.80	\$0.1224	11	280,875	\$35,935.72	\$0.1279
Interdepartmental (Street Lights)	EDSL	7	63,071	\$5,850.46	\$0.0928	7		\$5,874.10	\$0.0931	7	63,071	\$5,866.74	\$0.0930	7	63,071	\$5,859.59	\$0.0929
Interdepartmental (Traffic Signals)	EDTS	9	1,805	\$166.87	\$0.0924	9		\$163.49	\$0.0925	9	1,772	\$163.83	\$0.0925	9	1,800	\$166.43	\$0.0925
Generators (JV2 Power Cost Only)	GJV2	1	21,949	\$501.75	\$0.0229	1	24,724	\$724.66	\$0.0293	1	30,393	\$1,009.05	\$0.0332	1	27,905	\$375.32	\$0.0134
Generators (JV5 Power Cost Only)	GJV5	1	11,273	\$257.70	\$0.0229	1	14,021	\$410.96	\$0.0293	1	19,852	\$659.09	\$0.0332	1	16,182	\$217.65	\$0.0135
Total Interdepertmental			369,822	£44 000 00	\$0.1133	72	442,160	\$50.570.07	\$0.1144	70	E02 F20	\$65,990.78	60 4422		E22 054	\$60,339.59	\$0.1154
Total Interdepartmental		68	309,622	\$41,890.80	şu.1133	/2	442,160	\$50,579.37	şu.1144	/0	582,530	\$00,990.78	\$0.1133	68	523,054	\$50,339.59	şu.1154
SUB-TOTAL CONSUMPTION & DEMAN	ID	5.892	11,862,989	\$1,317,942.26	\$0,1111	5,882	11,821,141	\$1,354,053.34	\$0.1145	5,887	12,832,355	\$1,510,575.94	\$0,1177	5,879	12,987,872	\$1,547,724.35	\$0,1192
SUB-TOTAL CONSUMPTION & DEMAN	עו	.,	11,862,989	\$1,317,942.26	\$U.1111		11,821,141	\$1,354,053.34	şu.1145		12,832,355	\$1,510,575.94	\$U.11//		12,987,872		şu.1192
		-				-				-							
Street Lights (In)	SLO	13	0	\$13.29	\$0,0000	13	0	\$13.28	\$0.0000	13	0	\$13.28	\$0.0000	13	0	\$13.28	\$0,0000
Street Lights (III) Street Lights (Out)	SLOO	13	0	\$13.29	\$0.0000	2			\$0.0000	13	0	\$13.20	\$0.0000	13	0		\$0.0000
Sassi Ligino (Out)	5200			φ1.92	90.0000			φ1.92	ψυ.υυυυ			ا الا.ان	ψυ.υυυυ			91.91	φυ.υυυυ
Total Street Light Only		15	0	\$15.21	\$0.0000	15	0	\$15.20	\$0.0000	15	0	\$15.19	\$0.0000	15	0	\$15.19	\$0.0000
									72.2300				ŢJ00				7500
TOTAL CONSUMPTION & DEMAND		5,907	11,862,989	\$1,317,957.47	\$0.1111	5,897	11,821,141	\$1,354,068.54	\$0.1145	5,902	12,832,355	\$1,510,591.13	\$0.1177	5,894	12,987,872	\$1,547,739.54	\$0.1192
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BILLING SUMMARY AN	ID CO																		
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OCTOBER, 2018 2018 - OCTOBER BILLING WITH AUG	UCT 2040																		
2018 - OCTOBER BILLING WITH AUG	UST 2018	Apr-18				May-18				Jun-18				Jul-18				Aug-18	
Class and/or	Rate	# of	Apr-18	Apr-18	Cost / kWH	# of	May-18	May-18	Cost / kWH	# of	Jun-18	Jun-18	Cost / kWH	# of	Jul-18	Jul-18	Cost / kWH	# of	Aug-18
Schedule	Code	Bills	(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month	Bills	(kWh Usage)
Residential (Dom-In)	E1	3,327	1.844.873	\$230,921.77	\$0.1252	3,338	2,025,759	\$250,458.51	\$0.1236	3,335	1,635,032	\$206,075.76	\$0.1260	3,338	2,295,429	\$295,529.06	\$0.1287	3,341	3,151,485
Residential (Dom-In) w/Ecosmart	E1E	8	3,412	\$438.16	\$0.1284	8	3,653	\$463.51	\$0.1269	8	3,214	\$413.78	\$0.1287	8	4,978	\$645.47	\$0.1297	8	6,640
Residential (Dom-In - All Electric)	E2	606	573,242	\$69,171.99	\$0.1207	599	614,613	\$73,494.30	\$0.1196	609	393,792	\$48,468.41	\$0.1231	611	391,996	\$50,714.07	\$0.1294	606	481,142
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	1	464	\$59.06	\$0.1273	1	499	\$62.77	\$0.1258	1	440	\$56.08	\$0.1275	1	574	\$74.89	\$0.1305	1	809
Total Residential (Domestic)		3,942	2,421,991	\$300,590.98	\$0.1241	3,946	2,644,524	\$324,479.09	\$0.1227	3,953	2,032,478	\$255,014.03	\$0.1255	3,958	2,692,977	\$346,963.49	\$0.1288	3,956	3,640,076
Residential (Rural-Out)	ER1	772	716,346	\$92.931.50	\$0.1297	772	764 153	\$98,209.08	\$0.1285	778	587,622	\$77 418 16	\$0.1317	781	750,836	\$101.456.97	\$0.1351	787	895,059
Residential (Rural-Out) w/Ecosmart	ER1E	4	2,843	\$92,931.50 \$378.47	\$0.1297	112	2,900	\$96,209.06	\$0.1265	4	1 927	\$77,416.16	\$0.1317	701	2.824	\$101,456.97	\$0.1351	101	3,437
Residential (Rural-Out - All Electric)	FR2	376	442.647	\$56 439 39	\$0.1331	375	466.587	\$59,001.30	\$0.1265	376	340.371	\$44 096 83	\$0.1335	375	401,084	\$53,774.49	\$0.1341	373	463,633
Res. (Rural-Out - All Electric) w/Ecosman	ER2E	2	2.323	\$296.55	\$0.1277	2	2.756	\$346.45	\$0.1257	2	1,963	\$252.62	\$0.1287	2	2.000	\$269.44	\$0.1347	2	2,196
Residential (Rural-Out w/Dmd)	ER3	16	29,177	\$3,628.53	\$0.1244	16	22,621	\$2,837.29	\$0.1254	16	37,210	\$4,559.30	\$0.1225	16	26,514	\$3,461.34	\$0.1305	16	16,508
Residential (Rural-Out - All Electric w/Dm	ER4	9	9,571	\$1,229.34	\$0.1284	9	9,461	\$1,210.66	\$0.1280	9	7,732	\$1,006.25	\$0.1301	9	8,050	\$1,094.00	\$0.1359	9	9,150
Total Residential (Rural)		1,179	1,202,907	\$154,903.78	\$0.1288	1,178	1,268,478	\$161,988.29	\$0.1277	1,185	976,825	\$127,601.50	\$0.1306	1,187	1,191,308	\$160,448.45	\$0.1347	1,191	1,389,983
Communicated (4 Dh. In., No. Dogs.)	F00	70	24.010	ĈE 405.00	60.4575	70	20.100	er c75 11	₽0.4E50	7.1	24 222	64.077.04	60 4500	70	04.700	BE 884.05	€0.4000	70	25.007
Commercial (1 Ph-In - No Dmd) Commercial (1 Ph-Out - No Dmd)	EC20	73 48	34,316 7.512	\$5,405.33 \$1,569.60	\$0.1575 \$0.2089	73 48	36,466 7,657	\$5,675.44 \$1,584.22	\$0.1556 \$0.2069	71 48	31,323 6,691	\$4,977.81 \$1,457.49	\$0.1589 \$0.2178	73 48		\$5,661.85 \$1,625.00	\$0.1632 \$0.2137	73 48	35,297 7,870
Commercial (1 Fri=Out = NO Dilid)	EUZU	46	7,512	φ1,509.6U	φU.ZU69	48	/,05/	91,004.22	φυ.∠υσ9	46	180,0	φ1,45/.49	φU.∠1/8	48	7,005	\$1,025.UU	φυ.213/	48	7,070
Total Commercial (1 Ph) No Dmd		121	41.828	\$6,974.93	\$0.1668	121	44,123	\$7,259,66	\$0.1645	119	38,014	\$6,435,30	\$0,1693	121	42,308	\$7,286,85	\$0,1722	121	43,167
			,520	Ţ 2,2 . 4.00	Ţ 300	,	,120	Ţ., <u></u>	72540		,	+-,3.00	72300	- · · · ·	,500	Ţ:, <u></u>	Ţ/ 		12,701
Commercial (1 Ph-In - w/Demand)	EC1	259	288,035	\$43,656.94	\$0.1516	260	307,573	\$45,594.90	\$0.1482	261	280,232	\$42,801.57	\$0.1527	260	306,074	\$48,757.18	\$0.1593	261	348,059
Commercial (1 Ph-Out - w/Demand)	EC10	25	46,069	\$6,223.64	\$0.1351	25	48,846	\$6,563.38	\$0.1344	25	44,323	\$5,986.77	\$0.1351	25	45,411	\$6,431.09	\$0.1416	25	46,585
Total Commercial (1 Ph) w/Demand		284	334,104	\$49,880.58	\$0.1493	285	356,419	\$52,158.28	\$0.1463	286	324,555	\$48,788.34	\$0.1503	285	351,485	\$55,188.27	\$0.1570	286	394,644
Commercial (3 Ph-Out - No Dmd)	EC40	2	80	\$46.57	\$0.5821	2	160	\$57.04	\$0.3565	2	160	\$57.06	\$0.3566	2	80	\$47.02	\$0.5878	2	40
Total Commercial (3 Ph) No Dmd		2	80	\$46.57	\$0.5821	2	160	\$57.04	\$0.3565	2	160	\$57.06	\$0.3566	2	80	\$47.02	\$0.5878	2	40
Total Commercial (5 Fil) No Diliu		-	00	\$40.57	\$0.50£1	-	100	\$57.04	ψ0.5505		100	\$37.00	\$0.0000	-	00	¥41.02	ψ0.5070		40
Commercial (3 Ph-In - w/Demand)	FC3	205	1.352.644	\$177.660.41	\$0 1313	206	1.259.932	\$167.538.58	\$0.1330	208	1.329.700	\$176.847.10	\$0.1330	208	1,451,198	\$201 102 33	\$0 1386	206	1,726,146
Commercial (3 Ph-Out - w/Demand)	EC3O	37	302,403	\$40,173.61	\$0.1328	37	291,806	\$38,489.64	\$0.1319	37	249.671	\$34,289.25	\$0.1373	37	266.981	\$37,840.28	\$0.1417	37	280,489
Commercial (3 Ph-Out - w/Dmd.&Sub-St.	E3SO	3	116,440	\$14,345.25	\$0.1232	3		\$13,817.29	\$0.1225	3	111,800	\$13,732.62	\$0.1228	3	115,360	\$14,950.00	\$0.1296	3	123,520
Commercial (3 Ph-In - w/Demand, No Tax	EC3T	1	1,840	\$244.53	\$0.1329	1	1,560	\$211.67	\$0.1357	1	1,760	\$231.87	\$0.1317	1	1,840	\$378.71	\$0.2058	1	5,400
Total Commercial (3 Ph) w/Demand		246	1,773,327	\$232,423.80	\$0.1311	247	1,666,058	\$220,057.18	\$0.1321	249	1,692,931	\$225,100.84	\$0.1330	249	1,835,379	\$254,271.32	\$0.1385	247	2,135,555
Lance Device (In/Devid 8 Det)	EL1	20	1,817,901	\$205,936.91	\$0.1133	20	1,963,523	\$210,241.35	\$0.1071	20	2,043,094	\$218,841.15	\$0.1071	20	2,215,512	\$251,260.17	\$0.1134	20	2,304,703
Large Power (In - w/Dmd & Rct) Large Power (In - w/Dmd & Rct, w/SbCr)	EL1	20	969 637	\$96.304.33	\$0.1133	20		\$210,241.35	\$0.1071	20	1,039,022	\$210,041.15	\$0.1071	3		\$251,260.17	\$0.1134	20	1.044.331
Large Power (Out - w/Dmd & Rct, w/SbCr)		1	444.000	\$47.885.41	\$0.0333	1	471.600	\$50.751.07	\$0.1076	1	465,600	\$50.028.09	\$0.0302	1		\$52,786.32	\$0.1027	1	433,200
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	96.895	\$9.570.11	\$0.0988	2	90.319	\$16,168,72	\$0.1790	2	56.601	\$14.415.51	\$0.2547	2		\$15,683.06	\$0.1959	2	80.568
Total Large Power		26	3,328,433	\$359,696.76	\$0.1081	26	3,570,595	\$377,956.29	\$0.1059	26	3,604,317	\$385,267.19	\$0.1069	26	3,851,469	\$431,668.41	\$0.1121	26	3,862,802
Industrial (In - w/Dmd & Rct, w/SbCr)	El1	1	992,995	\$96,681.73	\$0.0974	1	1,108,376	\$103,727.01	\$0.0936	1	1,020,923	\$96,972.73	\$0.0950	1	1,100,078	\$109,317.34	\$0.0994	1	1,045,201
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	1	736,520	\$72,152.25	\$0.0980	1	786,160	\$74,992.99	\$0.0954	- 1	834,510	\$78,206.94	\$0.0937	1	875,036	\$86,537.35	\$0.0989	- 1	874,860
Total Industrial			1,729,515	\$168,833.98	\$0.0976		1,894,536	\$178,720.00	\$0.0943	2	1,855,433	\$175,179.67	\$0.0944	2	1,975,114	\$195,854.69	\$0.0992		1,920,061
. Cad Illuddiai			1,129,015	₩ 100,033.90	₩U.U3/6	- 	1,054,036	ψ110,120.00	ψ0.U343	- 4	1,000,400	ψ113,113.01	₩0.0344	<u> </u>	1,313,114	ψ133,00 4 .09	ψ0.0332	<u> </u>	1,320,001
Interdepartmental (In - No Dmd)	ED1	9	48,986	\$6,069.77	\$0.1239	9	47.900	\$5.970.07	\$0.1246	11	30,233	\$4.061.10	\$0.1343	11	40,778	\$5.716.66	\$0.1402	11	48,331
Interdepartmental (Out - w/Dmd)	ED2O	2	249	\$57.06	\$0.2292	2	383	\$74.54	\$0.1946	2	375	\$73.51	\$0.1960	2		\$102.15	\$0.1805	2	670
Interdepartmental (In - w/Dmd)	ED2	27	52,880	\$7,304.00	\$0.1381	27	55,096	\$7,563.78	\$0.1373	27	26,820	\$3,855.19	\$0.1437	28	25,027	\$3,787.47	\$0.1513	30	24,525
Interdepartmental (3Ph-In - w/Dmd)	ED3	11	247,163	\$31,549.71	\$0.1276	11	,	\$29,667.69	\$0.1261	11	214,351	\$28,052.21	\$0.1309	11	,	\$17,385.49	\$0.1374	11	146,015
Interdepartmental (Street Lights)	EDSL	7	63,071	\$5,855.66	\$0.0928	7	63,071	\$5,867.78	\$0.0930	7	63,071	\$5,846.52	\$0.0927	7		\$5,867.81	\$0.0930	7	63,071
Interdepartmental (Traffic Signals)	EDTS	9	1,574 22.929	\$145.53	\$0.0925 \$0.0248	9	1,683 23.658	\$155.62 \$606.35	\$0.0925	9	1,458	\$134.83 \$666.32	\$0.0925 \$0.0338	9	1,710 16,343	\$158.12	\$0.0925	8	1,455
Generators (JV2 Power Cost Only) Generators (JV5 Power Cost Only)	GJV2 GJV5	1	22,929 14 121	\$567.95 \$349.78	\$0.0248 \$0.0248	1	23,658 15,046	\$606.35 \$399.17	\$0.0256 \$0.0265	1	19,731 12,430	\$666.32 \$419.76	\$0.0338 \$0.0338	1	16,343 11,874	\$476.89 \$346.48	\$0.0292 \$0.0292	1	13,628 3,327
Generators (3V3 Fower Cost Only)	6373		14,121	φ349.70	\$0.0246		13,040	φ399.17	\$0.0203		12,430	\$415.70	\$0.0336		11,074	φ340.40	\$0.0292		3,321
Total Interdepartmental		67	450,973	\$51,899.46	\$0.1151	67	442,083	\$50,305.00	\$0.1138	69	368,469	\$43,109.44	\$0.1170	70	285,905	\$33,841.07	\$0.1184	71	301,022
SUB-TOTAL CONSUMPTION & DEMAN	ID	5,869	11,283,158	\$1,325,250.84	\$0.1175	5,874	11,886,976	\$1,372,980.83	\$0.1155	5,891	10,893,182	\$1,266,553.37	\$0.1163	5,900	12,226,025	\$1,485,569.57	\$0.1215	5,902	13,687,350
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Street Lights (In)	SLO	13	0	\$13.28	\$0.0000	14		\$30.60	\$0.0079	14	0	\$13.44	\$0.0000	14	0	\$13.43	\$0.0000	15	0
Street Lights (Out)	SLOO	2	0	\$1.92	\$0.0000	2	0	\$1.91	\$0.0000	2	0	\$1.92	\$0.0000	2	0	\$1.91	\$0.0000	2	0
Total Street Light Only		15	0	\$15.20	\$0.0000	16	3.877	\$32.51	\$0.0084	16	0	\$15.36	\$0,0000	16	0	\$15.34	\$0.0000	17	0
. o.a. o.a bot Light Only				Ģ13.20	\$0.0000		5,877	Ψ52.51	ψ0.000 4			ψ13.36	\$0.0000			ψ13.34	ψ0.0000		
TOTAL CONSUMPTION & DEMAND		5,884	11,283,158	\$1,325,266.04	\$0.1175	5,890	11,890,853	\$1,373,013.34	\$0.1155	5,907	10,893,182	\$1,266,568.73	\$0.1163	5,916	12,226,025	\$1,485,584.91	\$0.1215	5,919	13,687,350
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BILLING SUMMARY AN	ID CO	1										
OCTOBER, 2018	1D CO	<u>!</u>										
2018 - OCTOBER BILLING WITH AUG	UST 2018											
2010 GOTOBER BIEEMO WITH AGO	007 2070			Sep-18				TOTAL	TOTAL	Avg.Cost	Avg.Num.	Avg.Per.%
Class and/or	Rate	Aug-18	Cost / kWH	# of	Sep-18	Sep-18	Cost / kWH	KWH USEAGE	BILLING	Per kWH	of Bills	of Bills
Schedule	Code	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	\$400,929.74	\$0.1272	3,350	3,081,597	\$381,317.28	\$0.1237	27,242,817	\$3,367,468.95	\$0.1236	3,338	56.5414%
Residential (Dom-In) w/Ecosmart	E1E F2	\$850.61 \$61.772.51	\$0.1281	8	6,146 480,532	\$768.44 \$59.991.48	\$0.1250 \$0.1248	55,835 6,279,468	\$6,999.07	\$0.1254 \$0.1215	8	0.1411% 10.2514%
Residential (Dom-In - All Electric) Res.(Dom-In - All Elec.) w/Ecosmart	E2E	\$01,772.51	\$0.1284 \$0.1283	612	460,532 944	\$116.65		6,279,466	\$763,046.58 \$858.33	\$0.1215	605	0.0169%
Nes.(Doll-III - All Elec.) W/Ecostilait	EZE	\$103.76	\$0.1203		344	\$110.03	φ0.1230	0,040	φουο.υυ	φυ. 1233		0.010970
Total Residential (Domestic)		\$463,656.64	\$0.1274	3,971	3,569,219	\$442,193.85	\$0.1239	33,584,968	\$4,138,372.93	\$0.1232	3,953	66.9508%
Residential (Rural-Out)	ER1	\$120,261.79	\$0.1344	785 4	891,997	\$116,624.29	\$0.1307	9,287,215	\$1,201,567.12	\$0.1294	777	13.1674%
Residential (Rural-Out) w/Ecosmart Residential (Rural-Out - All Electric)	ER1E ER2	\$471.60 \$61,942.20	\$0.1372 \$0.1336	373	3,606 461,395	\$479.65 \$59,978.41	\$0.1330 \$0.1300	35,674 5,391,974	\$4,740.43 \$688,043.62	\$0.1329 \$0.1276	375	0.0677% 6.3558%
Res. (Rural-Out - All Electric) w/Ecosmar	ER2E	\$295.76	\$0.1330	2		\$285.67	\$0.1311	27,516	\$3,523.13	\$0.1270	2	0.0339%
Residential (Rural-Out w/Dmd)	ER3	\$2,231.69	\$0.1352	16		\$2,912.12	\$0.1289	505,876	\$61,467.01	\$0.1215	16	0.2710%
Residential (Rural-Out - All Electric w/Dm	ER4	\$1,238.53	\$0.1354	9		\$1,281.92		144,769	\$18,201.30	\$0.1257	9	0.1524%
T. (18 11 (17 18 18		A400 444 FF	A0 4044	4 400	4 004 540		******	45.000.004	A4 000 040 04	A0 400E		00.04000/
Total Residential (Rural)		\$186,441.57	\$0.1341	1,189	1,391,549	\$181,562.06	\$0.1305	15,393,024	\$1,977,542.61	\$0.1285	1,184	20.0483%
Commercial (1 Ph-In - No Dmd)	EC2	\$5,773.50	\$0.1636	73	38,745	\$6,108.85	\$0.1577	431,525	\$67,653.71	\$0.1568	73	1.2421%
Commercial (1 Ph-Out - No Dmd)	EC2O	\$1,668.23	\$0.2120	48	7,906	\$1,644.36	\$0.2080	101,688	\$20,360.16	\$0.2002	48	0.8130%
Total Commercial (1 Ph) No Dmd		\$7,441.73	\$0.1724	121	46,651	\$7,753.21	\$0.1662	533,213	\$88,013.87	\$0.1651	121	2.0551%
Commercial (1 Ph-In - w/Demand)	EC1	\$54,469.26	\$0.1565	262	398.500	\$59,217.68	\$0.1486	3,871,921	\$580,820.62	\$0.1500	261	4.4122%
Commercial (1 Ph-Out - w/Demand)	EC10	\$6,646.59	\$0.1427	25	52,396	\$7,170.55	\$0.1369	562,050	\$76,457.76	\$0.1360	25	0.4248%
,												
Total Commercial (1 Ph) w/Demand		\$61,115.85	\$0.1549	287	450,896	\$66,388.23	\$0.1472	4,433,971	\$657,278.38	\$0.1482	286	4.8370%
Commercial (3 Ph-Out - No Dmd)	EC4O	\$41.55	\$1.0388	2	40	\$41.40	\$1.0350	50,520	\$7,018.55	\$0.1389	2	0.0339%
(*							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Total Commercial (3 Ph) No Dmd		\$41.55	\$1.0388	2	40	\$41.40	\$1.0350	50,520	\$7,018.55	\$0.1389	2	0.0339%
Commercial (3 Ph-In - w/Demand)	EC3	\$237,768.88	\$0.1377	205	1,852,442	\$246,545.64	\$0.1331	17,683,729	\$2,336,312.51	\$0.1321	206	3.4806%
Commercial (3 Ph-Out - w/Demand) Commercial (3 Ph-Out - w/Dmd.&Sub-St	EC3O E3SO	\$40,004.85 \$15,953.58	\$0.1426 \$0.1292	37	302,193 126,360	\$41,843.55 \$15.879.18	\$0.1385 \$0.1257	3,973,122 1,437,160	\$526,928.29 \$176,991.28	\$0.1326 \$0.1232	37	0.6309% 0.0508%
Commercial (3 Ph-In - w/Demand, No Ta	EC3T	\$755.48	\$0.1292	1	8 880	\$1,126.29		41,520	\$5,871.24	\$0.1232	1	0.0308%
(
Total Commercial (3 Ph) w/Demand		\$294,482.79	\$0.1379	246	2,289,875	\$305,394.66	\$0.1334	23,135,531	\$3,046,103.32	\$0.1317	247	4.1793%
	F1.4	*****	00.4400		0.450.000	0000 100 77	00 1071	05 000 570	**********	80.4000		0.00070/
Large Power (In - w/Dmd & Rct) Large Power (In - w/Dmd & Rct, w/SbCr)	EL1 EL2	\$260,458.58 \$109.898.03	\$0.1130 \$0.1052	20	2,452,238 1.127.543	\$263,428.77 \$111.927.95	\$0.1074 \$0.0993	25,328,572 12,441,640	\$2,741,908.18 \$1,225,722.21	\$0.1083 \$0.0985	20	0.3387%
Large Power (Out - w/Dmd & Rct, w/SbCr)	EL20	\$51,043.08	\$0.1032	1	507,600	\$54,558.29	\$0.1075	5,786,400	\$611,781.67	\$0.0363	1	0.0360%
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	\$15,820,11	\$0.1176	2	80,800	\$13.357.94		1,043,640	\$149,627.32	\$0.1434	2	0.0339%
			******							******		
Total Large Power		\$437,219.80	\$0.1132	26	4,168,181	\$443,272.95	\$0.1063	44,600,252	\$4,729,039.38	\$0.1060	26	0.4404%
Industrial (In - w/Dmd & Rct. w/SbCr)	EI1	\$104.990.65	\$0.1005	1	1.140.164	\$108.239.67	\$0.0949	12.636.262	\$1.192.424.09	\$0.0944	1	0.0169%
Industrial (In - w/Dmd & Rct, W/SbCr) Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	\$86,734.40	\$0.1005	1	916,506	\$87,069.32	\$0.0949	9,491,206	\$1,192,424.09	\$0.0944	1	0.0169%
							. ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
Total Industrial		\$191,725.05	\$0.0999	2	2,056,670	\$195,308.99	\$0.0950	22,127,468	\$2,112,066.74	\$0.0954	2	0.0339%
Interdepartmental (In - No Dmd)	ED1	\$6,660.05	\$0.1378	10	48,027	\$6,417.77	\$0.1336	532,035	\$68,649.98	\$0.1290	10	0.1623%
Interdepartmental (In - No Dmd) Interdepartmental (Out - w/Dmd)	ED10	\$6,660.05	\$0.1378 \$0.1747	10		\$6,417.77 \$103.55	\$0.1336 \$0.1761	532,035 4.550	\$68,649.98 \$895.58	\$0.1290 \$0.1968	10	0.1623%
Interdepartmental (Out - w/Dmd)	ED20	\$3,763.69	\$0.1747	29		\$3,536.12	\$0.1761	512,023	\$71,614.25	\$0.1900	28	0.0339%
Interdepartmental (3Ph-In - w/Dmd)	ED3	\$19,879.21	\$0.1361	10	154,527	\$20,179.18		2,508,190	\$317,785.44	\$0.1267	11	0.1849%
Interdepartmental (Street Lights)	EDSL	\$5,865.70	\$0.0930	7	63,071	\$5,868.82	\$0.0931	756,660	\$70,339.03	\$0.0930	7	0.1186%
Interdepartmental (Traffic Signals)	EDTS	\$134.54	\$0.0925	8		\$149.33	\$0.0925	19,980	\$1,847.43	\$0.0925	9	0.1496%
Generators (JV2 Power Cost Only)	GJV2	\$354.19		1	14,354	\$311.19		254,678	\$6,187.20	\$0.0243	1	0.0169%
Generators (JV5 Power Cost Only)	GJV5	\$86.47	\$0.0260		6,673	\$144.67	\$0.0217	149,320	\$3,660.01	\$0.0245	1	0.0169%
Total Interdepartmental		\$36,860.92	\$0.1225	68	312,445	\$36,710.63	\$0.1175	4,737,436	\$540,978.92	\$0.1142	68	1.1588%
-												
SUB-TOTAL CONSUMPTION & DEMAN	ND	\$1,678,985.90	\$0.1227	5,912	14,285,526	\$1,678,625.98	\$0.1175	148,596,383	\$17,296,414.70	\$0.1164	5,889	99.7375%
		=========						========	=========			
Street Lights (In)	SLO	\$13.58	\$0.0000	14	0	\$13.44	\$0.0000	3,877	\$177.46	\$0.0458	14	0.2287%
Street Lights (Out)	SLOO	\$1.92	\$0.0000	2	0	\$1.91	\$0.0000	0	\$22.98	\$0.0000	2	0.0339%
Total Street Light Only		\$15.50	\$0.0000	16	0	\$15.35	\$0.0000	3,877	\$200.44	\$0.0517	16	0.2625%
TOTAL CONSUMPTION & DEMAND		\$1,679,001.40	\$0.1227	5,928	14,285,526	\$1,678,641.33	\$0.1175	148,600,260	\$17,296,615.14	\$0.1164	5,904	100.0000%
TOTAL SOROOMI HOR & DEMAND		=========	ψυ.1221	=====		\$1,070,041.33	φυ.11/5	148,600,260	\$17,290,015.14	φυ.1104	=====	.00.0000 /6
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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: 204465

INVOICE DATE: 9/13/2018

DUE DATE: 9/28/2018

TOTAL AMOUNT DUE: \$1,136,604.45

CUSTOMER NUMBER: 5020

CUSTOMER P.O. #: RG10046

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

Northern Power Pool Billing - August, 2018

MUNICIPAL PEAK: 31,930 kW TOTAL METERED ENERGY: 15,674,997 kWh

Total Power Charges: \$786,795.09

Transmission / Capacity / Ancillary Services: \$337,620.16

Total Other Charges: \$12,189.20

Total Miscellaneous Charges: \$0.00

GRAND TOTAL POWER INVOICE: \$1,136,604.45

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DETAIL INFORMATION OF POWER CHARGES August , 2018 Napoleon

FOR THE MONTH OF:	August, 2018		Total Metered Load kWh: Transmission Losses kWh: Distribution Losses kWh:	15,674,997 -40,755 0
			Total Energy Req. kWh:	15,634,242
TIME OF FENTS PEAK: TIME OF MUNICIPAL PEAK: TRANSMISSION PEAK:	08/28/2018 @ H.E. 16:00 08/27/2018 @ H.E. 18:00 July 19, 2017 18:00		COINCIDENT PEAK kW: MUNICIPAL PEAK kW: TRANSMISSION PEAK kW: PJM Capacity Requirement kW:	30,119 31,930 29,687 29,050
Napoleon Resources				
AMP CT - Sched @ ATSI				
Demand Charge:	\$2.550000	/ kW *	12,400 kW =	\$31,620.00
Energy Charge: Transmission Credit:	\$0.090550	/ kWh *	157,933 kWh =	\$14,300.84
Capacity Credit:	\$3.924655 \$3.850662	/ kW * / kW *	-12,400 kW = -12,400 kW =	-\$48,665.72 -\$47,748.21
Subtotal	ψ0.000002	7 1000	157,933 kWh =	-\$50,493.09
Fremont - sched @ Fremont			·	·
Demand Charge:	\$3.831268	/ kW *	8,767 kW =	\$33,588.73
Energy Charge:	\$0.021192	/ kWh *	5,029,269 kWh =	\$106,582.79
Net Congestion, Losses, FTR: Capacity Credit:	\$0.002694 \$4.758232	/ kWh * / kW *	-8,767 kW =	\$13,547.52 -\$41,715.42
Debt Service	\$5.051645	/ kW	8,767 kW	\$44,287.77
Adjustment for prior month:	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-		\$1.41
Subtotal	·	· 	5,029,269 kWh =	\$156,292.80
AMP Hydro CSW - Sched @ PJMC Demand Charge:	\$61.020000	/ kW *	3,498 kW =	\$213,447.96
Energy Charge:	\$0.031750	/ kWh *	3,496 kW = 2,301,215 kWh =	\$73,063.58
Net Congestion, Losses, FTR:	\$0.003517	/ kWh *	2,001,210 10011	\$8,094.24
Capacity Credit:	\$1.179391	/ kW *	-3,498 kW =	-\$4,125.51
REC Credit (Estimate)	-\$0.001750	/ kWh	2,301,215 kWh	-\$4,027.13
Subtotal			2,301,215 kWh =	\$286,453.14
Meldahl Hydro - Sched @ Meldahl Bus Demand Charge:	#24 220000	/ kW *	504 kW =	¢47.202.22
Energy Charge:	\$34.330000 \$0.031750	/ kWh *	298,279 kWh =	\$17,302.32 \$9,470.36
Net Congestion, Losses, FTR:	\$0.001750	/ kWh *	290,279 KVVII =	\$552.16
Capacity Credit:	\$4.619544	/ kW *	-504 kW =	-\$2,328.25
REC Credit (Estimate)				-\$521.99
Subtotal			298,279 kWh =	\$24,474.60
JV6 - Sched @ ATSI Demand Charge:			300 kW	
Energy Charge:			18,959 kWh	
Transmission Credit:	\$0.155833	/ kW *	-300 kW =	-\$46.75
Capacity Credit:	\$0.331667	/ kW *	-300 kW =	-\$99.50
Subtotal			18,959 kWh =	-\$146.25
Greenup Hydro - Sched @ Greenup Bus Demand Charge:	₾€ 040404	/ LAA/ *	220 MM -	#0.050.00
Energy Charge:	\$6.843424 \$0.003474	/ kW * / kWh *	330 kW = 191,163 kWh =	\$2,258.33 \$664.18
Net Congestion, Losses, FTR:	\$0.002047	/ kWh *	191,103 KWII =	\$391.39
Capacity Credit:	\$3.846091	/ kW *	-330 kW =	-\$1,269.21
Debt Service	\$19.601758	/ kW	330 kW	\$6,468.58
Board Approved Rate Levelization				\$5,662.90
REC Credit (Estimate) Subtotal			404 400 138%	-\$334.54
Prairie State - Sched @ PJMC			191,163 kWh =	\$13,841.63
Demand Charge:	\$11.584168	/ kW *	4,976 kW =	\$57,642.82
Energy Charge:	\$0.012134	/ kWh *	3,741,653 kWh =	\$45,399.64
Net Congestion, Losses, FTR:	\$0.003648	/ kWh *		\$13,650.57
Capacity Credit:	\$4.774041	/ kW *	-4,976 kW =	-\$23,755.63
Debt Service Transmission from PSEC to PJM/MISO, including non-Prairie State	\$20.213221	/ kW	4,976 kW	\$100,580.99
variable charges/credits	\$0.005898	/ kWh	3,741,653 kWh	\$22,066.92
Board Approved Rate Levelization	ψ0.00000		-,,	\$1,280.11
Subtotal			3,741,653 kWh =	\$216,865.42
NYPA - Sched @ NYIS	*******	(138/ *	040.1344	#0.005 T
Demand Charge: Energy Charge:	\$6.686819 \$0.022646	/ kW * / kWh *	940 kW = 602,936 kWh =	\$6,285.61 \$13,653.80
Net Congestion, Losses, FTR:	\$0.022040	/ kWh *	002,350 KVVII -	\$647.24
Capacity Credit:	\$5.011754	/ kW *	-935 kW =	-\$4,685.99
Adjustment for prior month:				-\$3,872.02
Subtotal			602,936 kWh =	\$12,028.64
JV5 - 7X24 @ ATSI Demand Charge:			3,088 kW	
Energy Charge:			2,297,472 kWh	
Transmission Credit:	\$4.639407	/ kW *	-3,088 kW =	-\$14,326.49
Capacity Credit:	\$5.009764	/ kW *	-3,088 kW =	-\$15,470.15
Subtotal			2,297,472 kWh =	-\$29,796.64
JV5 Losses - Sched @ ATSI Energy Charge:			33 555 MMh	
Subtotal			33,555 kWh 33,555 kWh =	\$0.00
JV2 - Sched @ ATSI				\$0.00

JV2 - Sched @ ATSI Demand Charge:

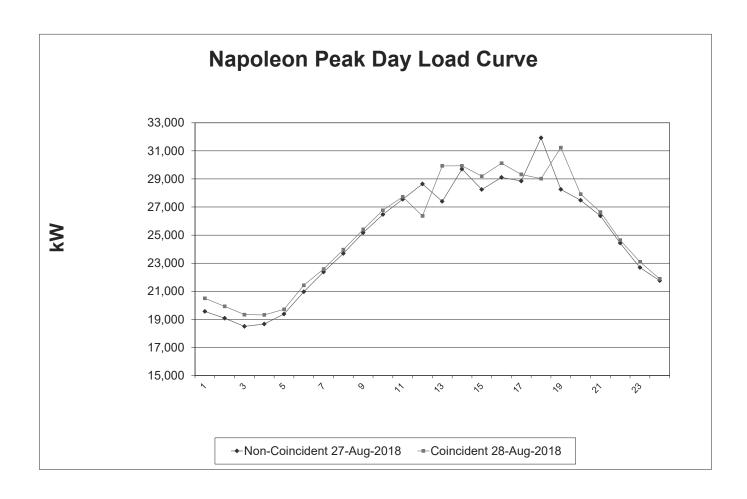
		CHARGES Aug	,,	
	Napoleor	1		
Energy Charge:	\$0.053258	/ kWh *	2,121 kWh =	\$112.9
Transmission Credit:	\$3.377879	/ kW *	-264 kW =	-\$891.7
Capacity Credit:	\$4.264053	/ kW *	-264 kW =	-\$1,125.7
Subtotal			2,121 kWh =	-\$1,904.50
IP Solar Phase I - Sched @ ATSI				
Demand Charge:			1,040 kW	
Energy Charge:	\$0.087000	/ kWh *	143,989 kWh =	\$12,527.0
Subtotal			143,989 kWh =	\$12,527.00
rgan Stanley 2015-2020 - 7x24 @ AD Demand Charge:			0.000 1144	
Energy Charge:	#0.0000F0	/ LAA/I- +	3,800 kW	¢477.070.0
Net Congestion, Losses, FTR:	\$0.062950	/ kWh *	2,827,200 kWh =	\$177,972.24
Net Congestion, Losses, FTR: Subtotal	\$0.001651	/ kWh *	2.827.200 kWh =	\$4,668.72
iciency Smart Power Plant 2017-2020			2,827,200 KWN =	\$182,640.90
•				
ESPP 2017-2020 obligation @ \$1.400 /MWh x 154,389.7 MWh / 12				\$18,012.14
Subtotal			0 kWh =	\$18,012.14
rthern Power Pool:				
On Peak Energy Charge: (M-F HE 08-23 EDT)	\$0.057431	/ kWh *	169,583 kWh =	\$9.739.35
Off Peak Energy Charge:	\$0.023818	/ kWh *	145 kWh =	\$3.45
Sale of Excess Non-Pool Resources to Pool	\$0.029500	/ kWh *	-2,181,231 kWh =	-\$64.345.8
Pool Congestion Hedge	ψ0.020000	,	2,101,201 1.001	\$602.2
Subtotal	\$0.026846	/ kWh *	-2,011,503 kWh =	-\$54,000.82
al Demand Charges:				\$307,228.81
al Energy Charges:				\$479,566.2
tal Power Charges:			15,634,242 kWh	\$786,795.09
ANSMISSION / CAPACITY / ANCILLARY SERVICES:				
Demand Charge:	\$4.639407	/ kW *	29.687 kW =	\$137,730.08
Energy Charge:	\$0.000314	/ kWh *	13,336,770 kWh =	\$4,188.73
RPM (Capacity) Charges:	\$6.736800	/ kW *	29.050 kW =	\$195,701.3
TRANSMISSION / CAPACITY / ANCILLARY SERVICES:	\$0.025315	/ kWh *	13,336,770 kWh =	\$337,620.16
Dianatah Cantar Chargos	\$0.000021	/ kWh *	15,674,997 kWh =	\$323.67
Dispatch Center Charges: rvice Fee Part A,	φυ.υυυυ2 Ι	/ KVVII	13,074,997 KVVII -	φ323.0
Based on Annual Municipal Sales	\$0.000229	/ kWh *	145,364,250 kWh 1/12 =	\$2.774.0
rvice Fee Part B.	φυ.υυυ∠29	/ KVVII	140,304,230 KVVII 1/12 =	φ∠,//4.0-
Energy Purchases	\$0.000580	/kWh *	15,674,997 kWh =	\$9,091.5
TOTAL OTHER CHARGES:				¢40.400.0
TOTAL OTTILA CHARGES.				\$12,189.20

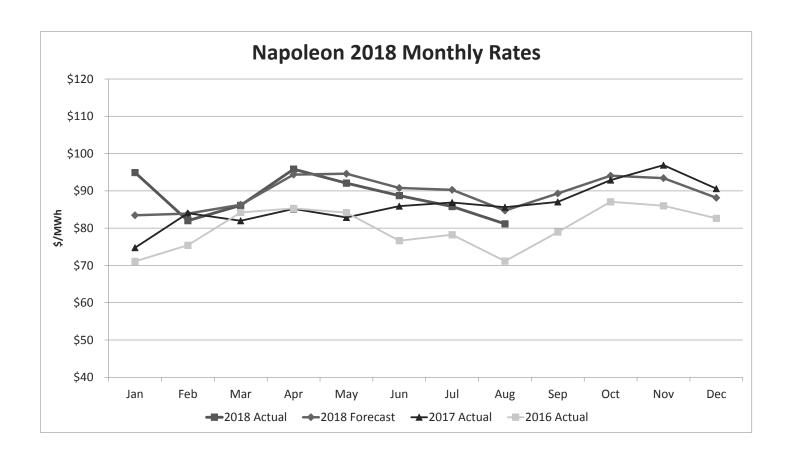
\$1,136,604.45

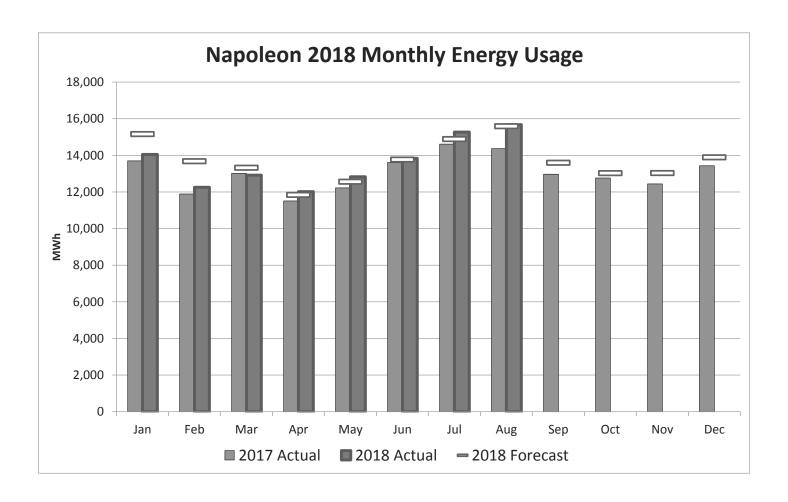
GRAND TOTAL POWER INVOICE:

Napoleon		Capacity Plan - Actual												
Aug	2018	ACTI	JAL DEMAND =		31.93	MW								
Days	31		JAL ENERGY =			MWH								
						3	DEMAND	ENERGY	CONGESTION/L	CAPACITY	TRANSMISSION		EFFECTIVE	%
			DEMAND	DEMAND	ENERGY		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)	(6)	(7)	(8)	(9)	(10)	(16)	(17)	(18)
1		NYPA - Ohio	0.94	0.94	603	86%	\$6.69	\$16.22	\$1.07	-\$4.99		\$12,029	\$19.95	0.9%
2		JV5	3.09	3.09	2,297	100%	\$29.16	\$20.08		-\$5.01	-\$4.64	\$106,366	\$46.30	8.4%
3		JV5 Losses	0.00	0.00	34	0%						\$0		0.0%
4		JV6 AMP-Hvdro	0.30 3.50	0.30 3.50	19	8% 88%	\$5.31	000.00	00.50	-\$0.16	-\$0.33	\$1,448	\$76.35	0.1% 22.5%
5		Meldahl	0.50	0.50	2,301 298	80%	\$61.02 \$34.33	\$30.00 \$30.00	\$3.52 \$1.85	-\$1.18 -\$4.62		\$286,453 \$24,475	\$124.48 \$82.05	1.9%
7		Greenup	0.33	0.33	191	78%	\$43.61	\$1.72	\$2.05	-\$4.62 -\$3.85		\$13.842	\$72.41	1.1%
8		AFEC	8.77	8.77	5.029	77%	\$8.88	\$21.19	\$2.69	-\$4.76		\$156.293	\$31.08	12.3%
9		Prairie State	4.98	4.98	3.742	101%	\$32.05	\$18.03	\$3.65	-\$4.77		\$216.865	\$57.96	17.0%
10		AMP Solar Phase I	1.04	1.04	144	19%	Ψ02.00	\$87.00	ψ5.05	-94.77		\$12.527	\$87.00	1.0%
11		Morgan Stanley 2015-2020 7x24	3.80	3.80	2.827	100%		\$62.95	\$1.65			\$182.641	\$64.60	14.4%
12		AMPCT	12.40	12.40	158	2%	\$2.55	\$90.55		-\$3.85	-\$3.92	-\$50,493	-\$319.71	-4.0%
13		JV2	0.26	0.26	2	1%	\$2.51	\$53.26		-\$4.26	-\$3.38	-\$1,242		-0.1%
14		NPP Pool Purchases	0.00	0.00	170	0%		\$60.95				\$10,345	\$60.95	0.8%
15		NPP Pool Sales	0.00		-2,181	0%		\$29.50				-\$64,346	\$29.50	-5.1%
		POWER TOTAL	39.91	39.91	15,634	53%	\$612,718	\$459,186	\$2.66	-\$142,271	-\$63,983	\$907,202	\$58.03	71.3%
16		Energy Efficiency			0							\$18,012		1.4%
17		Installed Capacity	29.05	29.05			\$6.74					\$195,701	\$12.48	15.4%
18 19		Transmission Service Fee B	29.69	29.69	13,337 15.675		\$4.64	\$0.31 \$0.58				\$141,919 \$9.092	\$9.05 \$0.58	11.2% 0.7%
20		Dispatch Charge			15,675			\$0.58				\$9,092	\$0.58	0.7%
20		OTHER TOTAL			13,073		\$333.431	\$31.616				\$365.047	\$23.29	28.7%
GRAND TOTAL PUR	RCHASED	OTHER TOTAL			15.634		ψυσυ, το τ	ψ51,010				\$1,272,249	Ψ20.23	20.170
Delivered to member			31.930	31.930	15,675	66%						\$1,272,249	\$81.16	100.0%
			DEMAND		ENERGY	L.F.						TOTAL \$	\$/MWh	Avg Temp
		2018 Forecast	30.52		15,582	69%						\$1,319,957	\$84.71	71.5
		2017 Actual	29.47		14,364	66%						\$1,229,854	\$85.62	68.7
		2016 Actual	33.23		16,965	69%						\$1,207,089	\$71.15	75.4
			l									Actual Temp		75.1

NAPOLEON	1															
	Wednesday			Saturday							Saturday			Tuesday	Wednesday	
Date	8/1/2018	8/2/2018	8/3/2018	8/4/2018	8/5/2018	8/6/2018	8/7/2018	8/8/2018	8/9/2018	8/10/2018	8/11/2018	8/12/2018	8/13/2018	8/14/2018	8/15/2018	
Hour 100	16,629	15,446	17,906	15,670	16,771	19,671	18,850	18,705	17,937	18,967	16,040	14,760	17,261	18,726	19,837	
200	16,293	15,561	17,249	15,132	15,824	19,118	18,375	18,468	17,281	18,516	15,346	14,195	16,797	18,049	19,236	
300	15,759	15,273	16,459	14,374	15,190	18,581	17,727	17,883	16,725	17,811	14,773	13,875	16,199	17,317	18,400	
400	15,961	15,439	16,461	14,107	14,854	18,422	17,898	18,110	16,585	17,840	14,500	13,823	16,378	17,339	18,371	
500	16,696	16,257	17,382	14,317	14,804	19,225	18,574	18,839	17,106	18,379	14,723	13,814	17,066	17,803	18,884	
600	17,811	17,077	18,467	14,466	14,777	20,354	19,977	19,948	17,901	19,620	15,040	14,236	18,217	18,746	19,874	
700 800	19,119 20.061	18,362 19,414	19,621 21,130	15,360 16.599	15,304 17,112	21,507 23,275	21,152 22,233	21,459 22.648	19,192 20.603	20,728 21.826	15,569 17,282	14,540 15,799	19,330 21.086	19,951 21,682	21,038 22,453	
900	20,832	20,219	22,112	17,792	18,644	24,966	22,233	23,826	21,918	23,041	18,582	16,885	22,457	23,293	23,585	
1000	21,336	21,300	23,422	18,798	20,327	26,236	24,085	24,274	23,474	24,432	19,798	18,184	23,805	24,666	25,359	
1100	21,998	22,186	24,371	20,040	22,022	27,514	25,167	25,016	24,269	25,153	20,519	19,472	24,909	25,697	26,374	
1200	22,271	23,038	25,459	20,856	23,072	28,660	25,499	26,056	25,426	25,492	20,941	20,210	26,047	26,881	27,422	
1300	23,092	24,118	25,725	22,617	23,603	27,588	26,097	26,723	26,672	26,957	22,057	21,412	27,165	27,664	28,976	
1400	23,399	24,541	26,777	22,572	24,024	29,720	26,170	26,637	27,045	26,358	22,296	21,930	27,264	28,260	29,361	
1500	23,694	24,840	26,443	23,853	24,689	29,481	26,040	24,327	27,310	25,205	22,675	22,306	27,481	28,389	29,293	
1600 1700	23,579	24,955 24,835	26,225 25,420	23,930 23,909	25,181 25,225	28,802 30,632	25,832	27,584 24,251	27,192 27,260	24,945 24,278	22,886 22,906	23,187	26,854 26,705	28,335 27,878	28,957 28,011	
1700	23,030 22,695	24,835	25,420 24,996	23,909	25,225	27,717	25,892 25,327	24,251	26,592	24,278	22,906	22,861 21,700	26,705	27,878	28,011 26,937	
1900	21,236	24,755	24,238	23,033	24,977	26,362	23,988	23,607	25,700	22,812	21,220	21,700	25,856	26,347	25,637	
2000	20,390	23,352	22,986	22,358	24,442	25,459	23,607	22,884	25,581	22,140	20,151	21,303	25,264	26,073	25,266	
2100	20,383	22,967	22,350	22,058	24,206	24,635	23,164	22,706	24,699	21,984	19,947	21,158	24,529	25,562	24,785	
2200	19,123	21,597	20,951	20,826	22,670	22,626	21,634	21,367	22,893	20,889	18,534	20,276	22,899	23,877	22,708	
2300	17,862	20,232	18,759	19,342	21,452	20,798	20,417	19,939	21,196	18,946	16,954	19,155	21,300	22,636	21,372	
2400	16,470	19,035	16,717	17,981	20,496	19,833	19,460	19,098	19,980	17,190	15,719	18,020	19,911	21,089	20,332	
Total	479,719	498,918	521,626	463,641	494,745	581,182	540,326	538,322	540,537	527,174	450,764	444,321	541,334	563,760	572,468	
	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday I	Friday
Date	Thursday 8/16/2018						Wednesday 8/22/2018	Thursday 8/23/2018			Sunday 8/26/2018			Wednesday 8/29/2018		
Date Hour	8/16/2018	8/17/2018	8/18/2018	8/19/2018	8/20/2018	8/21/2018	8/22/2018	8/23/2018	8/24/2018	8/25/2018	8/26/2018	8/27/2018	8/28/2018	8/29/2018	8/30/2018	8/31/2018
Date Hour 100	8/16/2018 19,289	8/17/2018 18,679	8/18/2018 15,736	8/19/2018 15,346	8/20/2018 16,625	8/21/2018 17,664	8/22/2018 17,429	8/23/2018 15,887	8/24/2018 16,228	8/25/2018 14,512	8/26/2018 14,530	8/27/2018 19,560	8/28/2018 20,500	8/29/2018 20,584	8/30/2018 17,662	8/31/2018 16,276
Date Hour 100 200	8/16/2018 19,289 18,785	8/17/2018 18,679 18,188	8/18/2018 15,736 15,233	8/19/2018 15,346 14,717	8/20/2018 16,625 15,999	8/21/2018 17,664 17,353	8/22/2018 17,429 16,906	8/23/2018 15,887 15,634	8/24/2018 16,228 15,972	8/25/2018 14,512 13,945	8/26/2018 14,530 13,960	8/27/2018 19,560 19,078	8/28/2018 20,500 19,925	8/29/2018 20,584 19,799	8/30/2018 17,662 17,076	8/31/2018 16,276 15,983
Date Hour 100	8/16/2018 19,289	8/17/2018 18,679	8/18/2018 15,736	8/19/2018 15,346	8/20/2018 16,625	8/21/2018 17,664	8/22/2018 17,429	8/23/2018 15,887	8/24/2018 16,228	8/25/2018 14,512	8/26/2018 14,530	8/27/2018 19,560	8/28/2018 20,500	8/29/2018 20,584	8/30/2018 17,662	8/31/2018 16,276
Date Hour 100 200 300 400 500	8/16/2018 19,289 18,785 18,165	8/17/2018 18,679 18,188 17,537	8/18/2018 15,736 15,233 14,768	8/19/2018 15,346 14,717 14,239	8/20/2018 16,625 15,999 15,735	8/21/2018 17,664 17,353 16,933	8/22/2018 17,429 16,906 16,171	8/23/2018 15,887 15,634 15,271 15,475 16,179	8/24/2018 16,228 15,972 15,443	8/25/2018 14,512 13,945 13,609	8/26/2018 14,530 13,960 13,782	8/27/2018 19,560 19,078 18,497	8/28/2018 20,500 19,925 19,338 19,312 19,708	8/29/2018 20,584 19,799 19,446	8/30/2018 17,662 17,076 16,451	8/31/2018 16,276 15,983 15,623
Date Hour 100 200 300 400 500 600	8/16/2018 19,289 18,785 18,165 18,238 18,719 19,825	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111	8/19/2018 15,346 14,717 14,239 14,026 13,857 13,696	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767	8/21/2018 17,664 17,353 16,933 17,226 17,855 19,171	8/22/2018 17,429 16,906 16,171 16,421 16,853 17,939	8/23/2018 15,887 15,634 15,271 15,475 16,179 17,473	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353	8/25/2018 14,512 13,945 13,609 13,668 14,009 14,445	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345	8/27/2018 19,560 19,078 18,497 18,667 19,374 20,960	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425	8/29/2018 20,584 19,799 19,446 19,328 19,900 21,244	17,662 17,076 16,451 16,645 17,151 18,118	8/31/2018 16,276 15,983 15,623 15,626 16,208 17,623
Date Hour 100 200 300 400 500 600 700	8/16/2018 19,289 18,785 18,165 18,238 18,719 19,825 20,638	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635 21,012	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600	8/19/2018 15,346 14,717 14,239 14,026 13,857 13,696 14,044	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767 18,986	8/21/2018 17,664 17,353 16,933 17,226 17,855 19,171 20,443	8/22/2018 17,429 16,906 16,171 16,421 16,853 17,939 18,768	8/23/2018 15,887 15,634 15,271 15,475 16,179 17,473 18,362	8/24/2018 16,228 15,972 15,433 15,529 16,181 17,353 18,764	8/25/2018 14,512 13,945 13,609 13,668 14,009 14,445 14,928	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800	8/27/2018 19,560 19,078 18,497 18,667 19,374 20,960 22,371	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579	8/29/2018 20,584 19,799 19,446 19,328 19,900 21,244 22,679	17,662 17,076 16,451 16,645 17,151 18,118 18,994	8/31/2018 16,276 15,983 15,623 15,626 16,208 17,623 18,773
Date Hour 100 200 300 400 500 600 700 800	8/16/2018 19,289 18,785 18,165 18,238 18,719 19,825 20,638 21,764	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635 21,012 22,441	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788	8/19/2018 15,346 14,717 14,239 14,026 13,857 13,696 14,044 15,287	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767 18,986 20,345	8/21/2018 17,664 17,353 16,933 17,226 17,855 19,171 20,443 21,295	8/22/2018 17,429 16,906 16,171 16,421 16,853 17,939 18,768 19,886	8/23/2018 15,887 15,634 15,271 15,475 16,179 17,473 18,362 19,594	8/24/2018 16,228 15,972 15,433 15,529 16,181 17,353 18,764 19,861	8/25/2018 14,512 13,945 13,609 13,668 14,009 14,445 14,928 15,930	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800 15,750	8/27/2018 19,560 19,078 18,497 18,667 19,374 20,960 22,371 23,696	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579 23,965	8/29/2018 20,584 19,799 19,446 19,328 19,900 21,244 22,679 23,948	17,662 17,076 16,451 16,645 17,151 18,118 18,994 20,031	8/31/2018 16,276 15,983 15,623 15,626 16,208 17,623 18,773 19,679
Date Hour 100 200 300 400 500 600 700 800 900	8/16/2018 19,289 18,785 18,165 18,238 18,719 19,825 20,638 21,764 22,494	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635 21,012 22,441 23,170	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788 17,994	8/19/2018 15,346 14,717 14,239 14,026 13,857 13,696 14,044 15,287 16,351	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767 18,986 20,345 21,422	8/21/2018 17,664 17,353 16,933 17,226 17,855 19,171 20,443 21,295 21,543	8/22/2018 17,429 16,906 16,171 16,421 16,853 17,939 18,768 19,886 20,175	8/23/2018 15,887 15,634 15,271 15,475 16,179 17,473 18,362 19,594 20,334	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353 18,764 19,861 20,517	8/25/2018 14,512 13,945 13,609 13,668 14,009 14,445 14,928 15,930 16,907	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800 15,750 16,924	8/27/2018 19,560 19,078 18,497 18,667 19,374 20,960 22,371 23,696 25,166	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579 23,965 25,404	8/29/2018 20,584 19,799 19,446 19,328 19,900 21,244 22,679 23,948 25,202	8/30/2018 17,662 17,076 16,451 16,645 17,151 18,118 18,994 20,031 20,657	8/31/2018 16,276 15,983 15,623 15,626 16,208 17,623 18,773 19,679 20,495
Date Hour 100 200 300 400 500 600 700 800 900 1000	8/16/2018 19,289 18,785 18,165 18,238 18,719 19,825 20,638 21,764 22,494 23,046	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635 21,012 22,441 23,170 24,044	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788 17,994 19,282	8/19/2018 15,346 14,717 14,239 14,026 13,857 13,696 14,044 15,287 16,351 17,451	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767 18,986 20,345 21,422 21,934	8/21/2018 17,664 17,353 16,933 17,226 17,855 19,171 20,443 21,295 21,543 22,333	8/22/2018 17,429 16,906 16,171 16,421 16,853 17,939 18,768 19,886 20,175 20,866	8/23/2018 15,887 15,634 15,271 15,475 16,179 17,473 18,362 19,594 20,334 20,877	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353 18,764 19,861 20,517 20,609	8/25/2018 14,512 13,945 13,609 13,668 14,009 14,445 14,928 15,930 16,907 17,619	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800 15,750 16,924 17,626	8/27/2018 19,560 19,078 18,497 18,667 19,374 20,960 22,371 23,696 25,166 26,470	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579 23,965 25,404 26,771	8/29/2018 20,584 19,799 19,446 19,328 19,900 21,244 22,679 23,948 25,202 26,584	8/30/2018 17,662 17,076 16,451 16,645 17,151 18,118 18,994 20,031 20,657 21,385	8/31/2018 16,276 15,983 15,623 15,626 16,208 17,623 18,773 19,679 20,495 21,221
Date Hour 100 200 300 400 500 600 700 800 900	8/16/2018 19,289 18,785 18,165 18,238 18,719 19,825 20,638 21,764 22,494	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635 21,012 22,441 23,170	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788 17,994	8/19/2018 15,346 14,717 14,239 14,026 13,857 13,696 14,044 15,287 16,351	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767 18,986 20,345 21,422	8/21/2018 17,664 17,353 16,933 17,226 17,855 19,171 20,443 21,295 21,543	8/22/2018 17,429 16,906 16,171 16,421 16,853 17,939 18,768 19,886 20,175	8/23/2018 15,887 15,634 15,271 15,475 16,179 17,473 18,362 19,594 20,334	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353 18,764 19,861 20,517	8/25/2018 14,512 13,945 13,609 13,668 14,009 14,445 14,928 15,930 16,907	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800 15,750 16,924	8/27/2018 19,560 19,078 18,497 18,667 19,374 20,960 22,371 23,696 25,166	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579 23,965 25,404	8/29/2018 20,584 19,799 19,446 19,328 19,900 21,244 22,679 23,948 25,202	8/30/2018 17,662 17,076 16,451 16,645 17,151 18,118 18,994 20,031 20,657	8/31/2018 16,276 15,983 15,623 15,626 16,208 17,623 18,773 19,679 20,495
Date Hour 100 200 300 400 500 600 700 800 900 1000 1100	8/16/2018 19,289 18,785 18,165 18,238 18,719 19,825 20,638 21,764 22,494 23,046 23,230	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635 21,012 22,441 23,170 24,044 24,718	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788 17,994 19,282 20,193	8/19/2018 15,346 14,717 14,239 14,026 13,857 13,696 14,044 15,287 16,351 17,451 18,426	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767 18,986 20,345 21,422 21,934 23,073	8/21/2018 17,664 17,353 16,933 17,226 17,855 19,171 20,443 21,295 21,543 22,333 23,301	8/22/2018 17,429 16,906 16,171 16,421 16,853 17,939 18,768 19,886 20,175 20,866 21,329	8/23/2018 15,887 15,634 15,271 15,475 16,179 17,473 18,362 19,594 20,334 20,877 21,396	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353 18,764 19,861 20,517 20,609 21,226	8/25/2018 14,512 13,945 13,609 13,668 14,009 14,445 14,928 15,930 16,907 17,619	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800 15,750 16,924 17,626 18,525	8/27/2018 19,560 19,078 18,497 18,667 19,374 20,960 22,371 23,696 25,166 26,470 27,554	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579 23,965 25,404 26,771 27,728	8/29/2018 20,584 19,799 19,446 19,328 19,900 21,244 22,679 23,948 25,202 26,584 27,258	8/30/2018 17,662 17,076 16,451 16,645 17,151 18,118 18,994 20,031 20,657 21,385 21,595	8/31/2018 16,276 15,983 15,623 15,626 16,208 17,623 18,773 19,679 20,495 21,221 22,053 22,989
Date Hour 100 200 300 400 500 600 700 800 1000 1100 1200 1300 1400	8/16/2018 19,289 18,785 18,165 18,238 18,719 19,825 20,638 21,764 22,494 23,046 23,230 23,312 23,668 23,598	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635 21,012 22,441 23,170 24,044 24,718 25,459 26,289 26,196	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788 17,994 19,282 20,193 20,964 21,781 22,043	8/19/2018 15,346 14,717 14,239 14,026 13,857 13,696 14,044 15,287 16,351 17,451 18,426 19,425 20,078 20,592	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767 18,986 20,345 21,422 21,934 23,073 23,641 24,276 24,129	8/21/2018 17,664 17,353 16,933 17,226 17,855 19,171 20,443 21,295 21,543 22,333 23,301 24,112 24,840 25,269	8/22/2018 17,429 16,906 16,171 16,421 16,853 17,939 18,768 19,886 20,175 20,866 21,329 21,487 21,965 21,848	8/23/2018 15,887 15,634 15,271 15,475 16,179 17,473 18,362 19,594 20,334 20,877 21,396 21,733 22,289 22,308	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353 18,764 19,861 20,517 20,609 21,226 21,736 21,821 21,995	8/25/2018 14,512 13,945 13,609 13,668 14,009 14,445 14,928 15,930 16,907 17,619 17,727 17,701 18,094 17,795	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800 15,750 16,924 17,626 18,525 19,350 19,713 20,768	8/27/2018 19,560 19,078 18,497 18,667 19,374 20,960 22,371 23,696 25,166 26,470 27,554 28,643 27,398 29,703	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579 23,965 25,404 26,771 27,728 26,364 29,929 29,935	8/29/2018 20.584 19,799 19,446 19,328 19,900 21,244 22,679 23,948 25,202 26,584 27,258 28,073 25,397 26,616	17,662 17,076 16,451 16,645 17,151 18,118 18,994 20,031 20,657 21,385 21,595 22,339 22,890 23,266	8/31/2018 16,276 15,983 15,623 15,623 16,208 17,623 18,773 19,679 20,495 21,221 22,053 22,989 23,916 24,522
Date Hour 100 200 300 400 500 600 700 800 900 1100 1200 1300 1400 1500	8/16/2018 19,289 18,785 18,165 18,238 18,719 19,825 20,638 21,764 22,494 23,046 23,230 23,312 23,668 23,598 23,050	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635 21,012 22,441 23,170 24,044 24,718 25,459 26,289 26,461	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788 17,994 19,282 20,193 20,964 21,781 22,043	8/19/2018 15,346 14,717 14,239 14,026 13,857 13,696 14,044 15,287 16,351 17,451 18,426 19,425 20,078 20,592 21,172	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767 18,986 20,345 21,422 21,934 23,073 23,641 24,276 24,129 24,050	8/21/2018 17,664 17,353 16,933 17,226 17,855 19,171 20,443 21,295 21,543 22,333 23,301 24,112 24,840 25,269 25,359	8/22/2018 17,429 16,906 16,171 16,421 16,853 17,939 18,768 19,886 20,175 20,866 21,329 21,487 21,965 21,848 21,564	8/23/2018 15,887 15,634 15,271 15,475 16,179 17,473 18,362 19,594 20,334 20,877 21,396 21,733 22,289 22,308 22,229	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353 18,764 19,861 20,517 20,609 21,226 21,736 21,821 21,995 21,470	8/25/2018 14,512 13,945 13,608 14,009 14,445 14,928 15,930 17,619 17,727 17,701 18,094 17,795 19,124	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800 15,750 16,924 17,626 18,525 19,350 19,713 20,768 21,621	8/27/2018 19,560 19,078 18,497 18,667 19,374 20,960 22,371 23,696 25,166 26,470 27,554 28,643 27,398 29,703 28,243	8/28/2018 20,500 19,925 19,332 19,708 21,425 22,579 23,965 25,404 26,771 27,728 26,364 29,929 29,935 29,193	8/29/2018 20,584 19,799 19,446 19,328 19,900 21,244 22,679 23,948 25,202 26,584 27,258 28,073 25,397 26,616 27,088	17,662 17,076 16,451 16,645 17,151 18,118 18,994 20,031 20,657 21,385 21,595 22,339 22,890 23,266 22,595	8/31/2018 16,276 15,983 15,623 15,626 16,208 17,623 18,773 19,679 20,495 21,221 22,053 22,989 23,916 24,522 24,676
Date Hour 100 200 300 400 500 600 700 800 1100 1200 1300 1400 1500 1600 1600 1600	8/16/2018 19,289 18,785 18,165 18,238 18,719 19,825 20,638 21,764 22,494 23,046 23,230 23,312 23,668 23,598 23,059 23,059 22,954	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635 21,012 22,441 23,170 24,044 24,718 25,459 26,289 26,196 26,461 26,077	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788 17,994 19,282 20,193 20,964 21,781 22,043 22,516 22,474	8/19/2018 15,346 14,717 14,239 14,026 13,857 13,696 14,044 15,287 16,351 17,451 18,426 19,425 20,078 20,592 21,172 21,467	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767 18,986 20,345 21,422 21,934 23,073 23,641 24,276 24,129 24,050 23,303	8/21/2018 17,664 17,353 16,933 17,226 17,855 19,171 20,443 21,295 21,543 22,333 23,301 24,112 24,840 25,269 25,359 25,474	8/22/2018 17,429 16,906 16,171 16,421 16,853 17,939 18,768 19,886 20,175 20,866 21,329 21,487 21,965 21,848 21,564 21,187	8/23/2018 15,887 15,634 15,271 15,475 16,179 17,473 18,362 19,594 20,374 20,877 21,396 21,733 22,289 22,308 22,229 22,484	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353 18,764 19,861 20,517 20,609 21,226 21,736 21,821 21,995 21,470 20,866	8/25/2018 14,512 13,945 13,609 13,668 14,009 14,445 15,930 16,907 17,619 17,727 17,701 18,094 17,795 19,124 18,403	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800 15,750 16,924 17,626 18,525 19,713 20,768 21,621 22,575	8/27/2018 19.560 19.078 18.497 18.667 19.374 20.960 22.371 23.696 25.166 26.470 27.554 28.643 27.398 29.703 28.243	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579 23,965 25,404 26,771 17,728 26,364 29,929 29,935 29,193 30,119	8/29/2018 20,584 19,799 19,446 19,328 19,900 21,244 22,679 23,948 25,202 26,584 27,258 28,073 25,397 26,616 27,088 30,653	17,662 17,076 16,451 16,645 17,151 18,118 18,994 20,031 20,657 21,385 21,595 22,339 22,890 23,266 22,595 23,730	8/31/2018 16,276 15,983 15,623 15,623 16,208 17,623 18,773 19,679 20,495 21,221 22,053 22,989 23,916 24,522 24,676 24,859
Date Hour 100 200 300 400 500 600 700 1000 1200 1300 1400 1500 1500 1500 1700 1700 1700	8/16/2018 19,289 18,785 18,165 18,238 18,719 19,825 20,638 21,764 22,494 23,046 23,236 23,598 23,598 23,598 23,598 23,598 23,598 23,598 23,598 23,598	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635 21,012 22,441 23,170 24,044 24,718 25,459 26,289 26,196 26,461 20,077 24,794	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788 17,994 19,282 20,193 20,964 21,781 22,043 22,516 22,474 22,601	8/19/2018 15,346 14,717 14,239 14,026 13,857 13,696 14,044 15,287 16,351 17,451 18,426 19,425 20,078 20,592 21,172 21,467 21,831	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767 18,986 20,345 21,422 21,934 23,073 23,641 24,276 24,129 24,050 23,3003 23,100	8/21/2018 17,664 17,353 16,933 17,226 17,855 19,171 20,443 21,295 21,543 22,333 23,301 24,112 24,840 25,269 25,359 25,474 24,797	8/22/2018 17,429 16,906 16,171 16,421 16,853 17,939 18,768 19,886 20,175 20,866 21,329 21,487 21,965 21,848 21,564 21,187 20,496	8/23/2018 15,887 15,634 15,271 15,475 16,179 17,473 18,362 19,594 20,337 21,396 21,733 22,289 22,308 22,229 22,484 22,022	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353 18,764 19,861 20,517 20,609 21,226 21,736 21,821 21,995 21,470 20,866 20,613	8/25/2018 14,512 13,945 13,609 13,668 14,009 14,445 14,928 15,930 17,727 17,701 18,094 17,795 19,124 18,403 18,403 18,580	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800 15,750 16,924 17,626 18,525 19,350 19,713 20,768 21,621 22,575 23,921	8/27/2018 19.560 19.078 18.497 18.667 19.374 20.960 22.371 23.696 26.470 27.554 27.54 27.594 29.703 28.243 29.109 28.849	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579 23,965 25,404 26,771 27,728 26,364 29,929 29,935 29,193 30,119 29,317	8/29/2018 20,584 19,799 19,446 19,328 19,900 21,244 22,679 23,948 25,202 26,584 27,258 28,073 25,397 26,616 27,088 30,653 36,6779	17,662 17,076 16,451 16,645 17,151 18,118 18,194 20,031 20,657 21,385 21,595 22,339 22,890 23,266 22,595 23,730 22,595 22,525 22,3730 22,595	8/31/2018 16,276 15,983 15,623 15,626 16,208 17,623 18,773 19,679 20,495 21,221 22,053 22,989 23,916 24,522 24,676 24,529 24,676
Date Hour 100 200 300 400 500 600 700 1100 1200 1300 1400 1500 1600 1700 1800 1800 1800	8/16/2018 19,289 18,785 18,165 18,165 18,238 18,719 19,825 20,638 21,764 22,494 23,046 23,230 23,312 23,668 23,598 23,050 22,954 23,268 23,268 23,268 23,268	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635 21,012 22,441 23,170 24,044 24,718 25,459 26,196 26,461 26,077 24,794 23,940	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788 17,994 19,282 20,193 20,964 21,781 22,043 22,516 22,474 22,601 22,180	8/19/2018 15,346 14,717 14,239 14,026 13,857 13,696 14,044 15,287 16,351 17,451 18,426 19,425 20,078 20,592 21,172 21,467 21,831 21,493	8/20/2018 16.625 15.999 15.735 15.899 16.679 17.767 18.986 20.345 21,422 21,934 23.073 23.641 24,276 24,129 24,050 23,303 23,100 23,032	8/21/2018 17.664 17.353 16.933 17.226 17.855 19.171 20.443 21.295 21.543 22.333 23.301 24.112 24.840 25.269 25.359 25.474 24.797 24.320	8/22/2018 17,429 16,906 16,171 16,421 16,853 17,939 18,768 19,886 20,175 20,866 21,329 21,487 21,965 21,848 21,564 21,187 20,496 20,619	8/23/2018 15,887 15,634 15,271 15,475 16,179 17,473 18,362 19,594 20,877 21,396 21,733 22,289 22,308 22,229 22,484 22,022 22,023	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353 18,764 19,861 20,517 20,609 21,226 21,736 21,821 21,995 21,470 20,613 19,563	8/25/2018 14,512 13,945 13,609 13,668 14,009 14,445 14,928 15,930 16,907 17,619 17,727 17,701 18,094 17,795 19,124 18,403 18,580 18,334	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800 15,750 16,924 17,626 18,525 19,350 19,713 20,768 21,621 22,575 23,921 23,886	8/27/2018 19.560 19.078 18.497 18.667 19.374 20.960 22.371 23.696 25.166 26.470 27.554 28.643 27.398 29.703 28.243 29.109 28.849 31,930	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579 23,965 25,404 26,771 27,728 26,364 29,929 29,935 29,193 30,119 29,317 29,020	8/29/2018 20,584 19,799 19,446 19,328 19,900 21,244 22,679 23,948 25,202 26,584 27,258 28,073 26,616 27,088 30,653 26,779 25,947	17,662 17,076 16,451 16,645 17,151 18,118 18,994 20,031 20,657 21,385 22,339 22,890 23,266 22,595 23,730 22,520 22,520 22,521	8/31/2018 16,276 15,983 15,623 15,626 16,208 17,623 18,773 19,679 20,495 21,221 22,053 22,989 23,916 24,522 24,676 24,859 24,019
Date Hour 100 200 300 400 500 600 700 1100 1200 1300 1400 1500 1500 1600 1700 1800 1900 1900 1900 1900	8/16/2018 19,289 18,785 18,165 18,123 18,719 19,825 20,638 21,764 22,494 23,046 23,230 23,312 23,658 23,050 22,954 23,268 23,050 22,954 23,268 23,050 22,954 23,268 23,050 22,954 23,268 23,050 22,954 23,268 23,050 22,954 23,268	8/17/2018 18,679 18,188 17,537 17,537 18,253 19,635 21,012 22,441 23,170 24,044 24,718 25,459 26,289 26,196 26,461 28,077 24,794 23,940 22,475	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788 20,193 20,193 22,516 22,474 22,601 22,180 21,463	8/19/2018 15,346 14,717 14,239 14,026 13,857 13,696 14,044 15,287 17,451 18,426 19,425 20,078 20,592 21,172 21,487 21,831 21,493 20,932	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767 18,986 20,345 21,422 21,934 23,073 23,641 24,276 24,129 24,050 23,303 23,100 23,303 23,100 23,032 22,509	8/21/2018 17,664 17,353 16,933 17,226 17,855 19,171 20,443 21,295 21,543 22,333 23,301 24,112 24,840 25,359 25,359 25,474 24,797 24,320 23,389	8/22/2018 17,429 16,906 16,171 16,421 16,853 17,939 18,768 20,175 20,866 21,329 21,487 21,965 21,848 21,564 21,187 20,496 20,619 20,619	8/23/2018 15,887 15,634 15,271 15,475 16,179 17,473 18,362 19,594 20,334 20,877 21,396 21,733 22,289 22,299 22,484 22,022 22,023 21,235 21,235 22,229 22,484 22,022 22,023 21,335 21,235	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353 18,764 19,861 20,517 20,609 21,226 21,736 21,821 21,935 21,470 20,643 21,821 21,935 21,470 20,643 31,943	8/25/2018 14,512 13,945 13,609 13,668 14,009 14,445 14,928 15,930 16,907 17,727 17,701 18,094 17,795 19,124 18,403 18,580 18,334 18,136	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800 15,750 16,924 17,626 18,525 19,535 19,713 20,768 21,621 22,575 23,921 23,886 23,744	8/27/2018 19,560 19,078 18,497 18,667 19,374 20,960 22,371 23,696 25,166 26,470 27,554 28,643 27,398 29,703 28,243 29,109 28,849 31,930 28,849 31,930 28,849 31,930 28,849 31,930 28,849 31,930 28,849 31,930 28,849 31,930	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579 23,965 25,404 26,771 27,728 26,364 29,929 29,935 29,193 30,119 29,317 29,020 31,233	8/29/2018 20,584 19,799 19,446 19,328 19,900 21,244 22,679 23,948 25,202 26,584 27,288 30,683 30,683 30,683 32,779 25,947 24,755	17,662 17,076 16,451 16,645 17,151 18,118 18,994 20,031 20,657 21,385 21,595 22,339 22,890 23,266 22,595 23,730 22,595 22,591 22,595 22,595 22,595 22,595 22,595 22,595 22,595	8/31/2018 16,276 15,983 15,623 15,626 16,208 17,623 18,773 19,679 20,495 21,221 22,053 22,989 23,916 24,522 24,676 24,859 24,619 24,078
Date Hour 100 200 300 400 500 600 900 1000 1200 1300 1500 1600 1600 1600 1600 1700 1800 1900 2000 2000 2000	8/16/2018 19,289 18,785 18,165 18,165 18,238 18,719 19,825 20,638 21,764 22,494 23,230 23,312 23,698 23,598 23,598 23,598 23,598 23,598 23,598 23,200 22,714 22,474 22,474	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635 21,012 22,441 23,170 24,044 24,718 25,459 26,289 26,196 26,461 26,077 24,704 23,940 22,475 21,887	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788 17,994 19,282 20,193 20,964 21,781 22,043 22,516 22,474 22,601 21,463 20,983 20,985	8/19/2018 15,346 14,717 14,239 14,026 13,887 13,696 14,044 15,287 16,351 17,451 18,426 19,425 20,078 20,592 21,172 21,487 21,837 21,493 20,934 20,934	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767 18,966 20,345 21,422 21,934 23,073 23,641 24,276 24,129 24,050 23,303 23,100 23,032 22,209 22,201	8/21/2018 17,664 17,353 16,933 17,226 17,855 19,171 20,443 21,295 21,543 22,333 23,301 24,112 24,840 25,269 25,359 25,474 24,797 24,320 23,389 22,813	8/22/2018 17,429 16,906 16,171 16,421 16,853 17,939 18,768 20,175 20,866 21,329 21,487 21,965 21,848 21,564 21,187 20,496 20,619 20,377 20,023	8/23/2018 15,887 15,634 15,271 16,475 16,179 17,473 18,362 19,594 20,334 20,334 20,337 21,396 21,733 22,289 22,208 22,229 22,484 22,022 22,023 21,325 21,325	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353 18,764 19,861 20,517 20,609 21,226 21,736 21,821	8/25/2018 14,512 13,945 13,669 14,468 14,009 14,445 15,930 16,907 17,727 17,701 18,094 17,795 19,124 18,403 18,583 18,580 18,384 18,136	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800 15,750 16,924 17,626 18,525 19,573 20,768 21,621 22,575 23,921 23,886 23,744 23,640	8/27/2018 19.560 19.078 18.497 18.697 19.374 20.960 22.371 23.696 25.166 26.470 27.554 28.643 29.703 28.243 29.109 28.243 29.109 28.243 29.109 28.253 27.7482	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579 23,965 25,404 26,771 27,728 26,364 29,935 29,193 30,119 29,317 29,020 31,233 27,916	8/29/2018 20.584 19,799 19,446 19,328 19,900 21,244 22,679 23,948 25,202 26,584 27,258 28,073 26,616 27,088 30,653 26,779 25,947 24,755	17,662 17,076 16,451 16,645 17,151 18,118 18,994 20,031 20,657 21,385 21,595 22,339 22,890 23,266 22,595 23,730 22,595 22,595 23,730 22,595 21,897 21,897 21,897 21,897 21,897 21,764	8/31/201/ 16,276 15,983 15,623 16,223 16,773 18,779 20,495 21,221 22,053 22,989 24,522 24,572 24,572 24,572 24,572 24,572 24,078 24,078 24,078 24,078 23,041 24,078 23,041
Date Hour 100 200 300 400 600 600 700 1000 1100 1200 1300 1500 1600 1700 1800 1900 2000 2000 2000 2000 2000 2000 20	8/16/2018 19,289 18,785 18,165 18,123 18,719 19,825 20,638 21,764 23,230 23,312 23,368 23,598 23,050 22,954 23,220 22,544 23,248 23,250 22,544 23,268 23,050 22,544 23,268 23,050 22,544 23,268 23,050 22,544 24,247 22,487 22,487	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635 21,012 22,441 23,170 24,044 24,718 25,459 26,289 26,196 26,461 23,940 22,475 21,187 21,487 21,487 21,487	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788 20,193 20,193 22,516 22,474 22,601 22,180 21,463	8/19/2018 15,346 14,717 14,239 14,026 13,857 13,696 14,044 15,287 16,951 17,451 18,426 20,078 20,592 21,172 21,487 21,831 21,493 20,934 20,582 20,344	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767 18,996 20,345 21,422 21,934 23,073 23,641 24,276 24,129 24,050 23,033 23,100 23,032 22,250 22,251 21,275	8/21/2018 17,684 17,353 16,933 17,226 17,855 19,171 20,443 21,295 21,543 22,333 23,301 24,112 24,840 25,269 25,359 25,474 24,797 24,320 23,389 22,812 22,204	8/22/2018 17, 429 16,906 16,171 16,421 16,883 17,939 18,768 19,886 20,175 20,866 21,329 21,487 21,965 21,484 21,564 21,187 20,496 20,677 20,077 20,073	8/23/2018 15.887 15.634 15.271 15.475 16.179 17.473 18.362 20.387 20.387 21.396 22.299 22.308 22.229 22.484 22.022 22.229 22.484 22.022 22.229 22.239 21.325 21.325 21.325 21.325 21.325	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353 18,764 19,861 20,517 20,609 21,226 21,726 21,821 21,935 21,470 20,613 19,535 19,133 19,133	8/25/2018 14,512 13,959 13,668 14,009 14,445 14,928 15,930 16,907 17,727 17,701 18,094 17,795 19,124 18,403 18,340 18,340 18,357 18,361	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800 15,750 16,924 17,626 18,525 19,350 19,713 20,768 21,621 22,575 23,921 23,846 23,344 23,3640 23,314 23,3640	8/27/2018 19,560 19,078 18,497 18,667 19,374 20,960 22,371 23,696 25,166 26,470 27,554 28,643 27,398 29,703 28,243 29,109 28,849 31,930 28,253 27,482 26,374	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579 23,965 25,404 46,771 27,728 26,364 29,929 29,935 29,193 30,119 29,317 29,020 31,233 27,916 26,639	8/29/2018 20,584 19,799 19,446 19,328 19,900 21,244 22,679 23,948 25,202 26,558 26,073 25,397 26,616 27,088 30,653 26,779 25,947 24,755 24,725	17,662 17,076 16,451 16,645 17,151 18,118 18,994 20,031 20,657 21,385 21,595 22,339 22,890 23,266 22,595 23,730 22,520 22,591 21,897 21,764	8/31/201/ 16,276 15,983 15,623 15,623 16,209 17,623 18,773 19,679 20,495 21,221 22,053 22,989 23,916 24,572 24,676 24,676 24,678 24,078 24,078 23,044 24,078 24,078 24,078 25,041 24,078 25,041 24,078 25,041 26,041 27,041 28,041
Date Hour 100 200 300 400 500 600 900 1000 1200 1300 1500 1600 1600 1600 1600 1700 1800 1900 2000 2000 2000	8/16/2018 19,289 18,785 18,165 18,165 18,238 18,719 19,825 20,638 21,764 22,494 23,230 23,312 23,698 23,598 23,598 23,598 23,598 23,598 23,598 23,200 22,714 22,474 22,474	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635 21,012 22,441 23,170 24,044 24,718 25,459 26,289 26,196 26,461 26,077 24,704 23,940 22,475 21,887	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788 17,994 20,193 20,994 21,781 22,043 22,516 22,474 22,601 22,180 30,985 20,985	8/19/2018 15,346 14,717 14,239 14,026 13,887 13,696 14,044 15,287 16,351 17,451 18,426 19,425 20,078 20,592 21,172 21,487 21,837 21,493 20,934 20,934	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767 18,966 20,345 21,422 21,934 23,073 23,641 24,276 24,129 24,050 23,303 23,100 23,032 22,209 22,201	8/21/2018 17,664 17,353 16,933 17,226 17,855 19,171 20,443 21,295 21,543 22,333 23,301 24,112 24,840 25,269 25,359 25,474 24,797 24,320 23,389 22,813	8/22/2018 17,429 16,906 16,171 16,421 16,853 17,939 18,768 20,175 20,866 21,329 21,487 21,965 21,848 21,564 21,187 20,496 20,619 20,377 20,023	8/23/2018 15,887 15,634 15,271 16,475 16,179 17,473 18,362 19,594 20,334 20,334 20,337 21,396 21,733 22,289 22,208 22,229 22,484 22,022 22,023 21,325 21,325	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353 18,764 19,861 20,517 20,609 21,226 21,736 21,821	8/25/2018 14,512 13,945 13,669 14,468 14,009 14,445 15,930 16,907 17,727 17,701 18,094 17,795 19,124 18,403 18,583 18,580 18,384 18,136	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800 15,750 16,924 17,626 18,525 19,573 20,768 21,621 22,575 23,921 23,886 23,744 23,640	8/27/2018 19.560 19.078 18.497 18.697 19.374 20.960 22.371 23.696 25.166 26.470 27.554 28.643 29.703 28.243 29.109 28.243 29.109 28.243 29.109 28.253 27.7482	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579 23,965 25,404 26,771 27,728 26,364 29,935 29,193 30,119 29,317 29,020 31,233 27,916	8/29/2018 20.584 19,799 19,446 19,328 19,900 21,244 22,679 23,948 25,202 26,584 27,258 28,073 26,616 27,088 30,653 26,779 25,947 24,755	17,662 17,076 16,451 16,645 17,151 18,118 18,994 20,031 20,657 21,385 21,595 22,339 22,890 23,266 22,595 23,730 22,595 22,595 23,730 22,595 21,897 21,897 21,897 21,897 21,897 21,764	8/31/201/ 16,276 15,983 15,623 16,223 16,723 18,773 20,495 21,221 22,053 23,916 24,522 24,678 24,078 24,078 24,078 22,053 22,989 23,916 24,522 24,678 24,078 24,078 25,078 26,078 27,078
Date Hour 100 200 300 400 500 600 900 1100 1200 1500 1600 1700 1800 1600 2000 2200 2200 2200 200 200 200 200	8/16/2018 19,289 18,785 18,165 18,238 18,719 19,825 20,638 21,764 22,494 23,046 23,230 23,312 23,588 23,598 23,050 22,954 23,230 22,954 23,230 22,578 23,020 22,714 22,718 22,718 22,718 22,718 22,718 23,020 22,714 22,718 22,718 22,718 22,718 23,020 22,714 22,718 23,020 22,714 22,718	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635 21,012 22,441 23,170 24,044 24,718 25,489 26,289 26,196 26,461 26,077 24,794 23,940 22,475 21,887 21,486	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788 17,994 19,282 20,193 20,918 22,474 22,671 22,474 22,671 22,474 22,671 22,180 21,483 20,985 20,638 19,144	8/19/2018 15,346 14,717 14,229 14,026 13,857 13,696 14,044 15,287 16,351 17,451 18,426 20,078 20,592 21,172 21,467 21,483 20,934 20,344 19,075 20,344	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767 18,986 20,345 21,422 21,934 23,073 23,641 24,129 24,050 23,303 23,100 23,032 22,509 22,250 22,250 22,250 20,225 20,207 20,225 20,207 20,	8/21/2018 17,664 17,353 16,933 17,226 17,855 19,171 20,443 21,295 21,543 22,333 23,301 24,112 24,840 25,369 25,474 24,797 24,320 23,389 22,212 22,212 22,204 20,489 22,812 22,204 20,489 20,489 20,489 21,812 22,204 20,489 20,	8/22/2018 17,429 16,906 16,171 16,421 16,863 17,939 18,768 20,175 20,886 21,329 21,487 21,985 21,484 21,564 21,67 20,619 20,377 20,474 21,474 41,474	8/23/2018 15,887 15,634 15,271 16,475 16,179 17,473 18,862 19,594 20,334 20,877 21,396 22,239 22,239 22,2484 22,022 22,023 21,276 20,769 19,182	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353 18,764 19,861 20,517 20,609 21,226 21,821 21,945 21,821 21,945 21,821 21,945 21,821 21,945 21,821 21,945 21,821 21,945 21,821 21,945 21,821 21,	8/25/2018 14,512 13,945 13,669 14,668 14,009 14,445 15,930 16,907 17,619 17,727 17,701 18,094 17,795 19,124 18,403 18,580 18,334 18,136 18,587 18,361	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800 15,780 16,924 17,626 18,525 19,350 19,713 20,768 21,621 22,575 23,921 23,866 23,744 23,640 23,319	8/27/2018 19,560 19,078 18,497 18,667 19,374 20,960 22,371 23,696 25,166 26,470 27,554 28,643 27,398 29,703 28,243 29,109 28,849 31,930 28,243 29,109 28,849 31,930 28,253 27,482 26,374 24,430	8/26/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579 23,965 25,404 46,771 27,728 29,935 29,193 30,119 29,317 29,020 31,233 27,916 26,639 24,642	8/29/2018 20.584 19,799 19,446 19,328 19,900 21,244 22,679 23,948 25,202 26,584 27,258 30,653 26,779 25,947 24,255 24,221 22,896	17,662 17,076 16,451 16,645 17,151 18,118 18,994 20,031 20,657 21,385 21,595 22,339 22,890 23,266 22,595 23,730 22,520 22,521 21,887 21,784 20,031 21,784 21	8/31/2018 16,276 15,983 15,623 15,626 16,208 17,623 18,773 19,679 20,495 21,221 22,053 22,989 23,916 24,522 24,676 24,879 24,679 24,679 24,678
Date Hour 100 200 300 600 700 800 1000 1100 1200 1300 1800 1700 2000 2100 2200 2300 2400	8/16/2018 19,289 18,785 18,165 18,238 18,779 19,825 20,638 21,764 23,304 23,312 23,668 23,508 23,050 22,954 23,268 23,050 22,914 23,268 23,050 22,714 22,714 22,717 21,723 20,566 19,632	8/17/2018 18,679 18,188 17,537 17,570 18,253 19,635 21,012 22,441 23,170 24,044 24,718 25,459 26,289 26,196 26,461 26,461 23,470 24,794 23,940 22,475 21,446 19,983 17,992 16,601	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788 17,994 19,282 20,193 20,964 21,781 22,616 22,474 22,601 22,183 20,983 21,463 20,983 19,144 17,491 16,265	8/19/2018 15,346 14,717 14,239 14,026 13,857 13,857 14,044 15,287 16,351 17,451 18,426 20,578 20,078 20,578 21,172 21,147 21,831 21,493 20,582 21,172 21,467 21,831 21,938 20,934 20,582 20,344 19,076 18,388 17,515	8/20/2018 16,625 15,939 15,735 15,839 16,679 17,767 18,966 20,345 21,422 21,934 23,073 23,641 24,276 24,129 24,050 23,303 23,100 23,032 22,259	8/21/2018 17,664 17,563 16,933 17,226 17,855 19,171 20,443 21,295 21,543 22,333 23,001 24,112 24,840 25,269 25,359 25,474 24,797 24,320 23,389 22,812 22,204 20,486 20,	8/22/2018 17, 429 16,906 16,171 16,421 16,853 17,939 18,768 19,886 20,175 20,886 21,329 21,487 21,948 21,564 21,187 20,496 20,477 20,023 19,474 18,401 17,406 16,522	8/23/2018 15.837 15.634 15.271 15.475 16.179 17.473 18.362 19.594 20.3877 21.393 22.289 22.398 22.229 22.444 22.022 22.022 22.023 21.325 21.276 20.769 19.182 17.624 17.026	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353 18,764 19,861 20,517 20,609 21,226 21,726 21,821 21,935 21,470 20,609 21,226 20,613 19,563 19,135 19,135 19,133 18,195 16,613 19,130	8/25/2018 14,512 13,945 13,009 13,668 14,009 14,445 14,928 15,930 16,907 17,727 17,701 18,094 17,725 19,124 18,403 18,580 18,384 18,136 18,587 18,381 17,389 16,224 15,232	8/26/2018 14,530 13,960 13,762 13,804 13,957 14,345 14,800 15,750 16,924 17,626 18,525 19,313 20,768 21,621 22,575 23,921 23,866 23,744 23,404 23,319 21,907 21,244 20,314	8/27/2018 19,560 19,078 18,497 18,667 19,374 20,960 25,166 26,470 27,554 28,643 29,703 28,243 29,109 28,849 31,930 28,253 27,482 26,374 24,430 22,692 21,755	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579 23,965 25,404 26,771 27,728 26,364 29,935 29,193 30,119 29,317 29,020 31,233 27,916 26,639 24,642 23,096 21,875	8/29/2018 20,584 19,799 19,446 19,328 19,900 21,244 22,679 23,948 25,202 26,584 27,288 28,073 26,516 27,088 30,653 26,779 25,947 24,755 24,221 22,896 21,216 19,722 18,754	17,662 17,076 16,451 16,451 16,645 17,151 18,118 18,994 20,031 21,595 21,399 22,399 23,266 22,595 23,730 22,595 21,890 21,890 21,695 21,795 21,890 21,695 21,795 21,795 21,795 21,795 21,897 21,795 21,897 21,795 21,897 21,795 21,897 21,795 21,897 21,795 21,897 21,795 21	8/31/2018 16,276 15,983 15,623 15,626 16,208 17,623 18,773 19,679 20,495 21,221 22,053 22,989 24,572 24,676 24,572 24,676 24,879 24,078 23,041 22,068 21,723 20,066 17,509 15,719
Date Hour 100 200 300 400 500 600 700 1000 1100 1200 1500 1500 1500 1500 1200 2000 2200 22	8/16/2018 19,289 18,785 18,165 18,165 18,238 18,719 19,825 20,638 21,764 23,230 23,312 23,312 23,368 23,598 23,050 22,954 23,252 22,714 24,497 22,477 22,578 21,723	8/17/2018 18,679 18,168 17,537 17,570 18,253 19,635 21,012 22,441 23,170 24,044 24,718 25,289 26,289 26,196 26,461 26,077 24,794 23,940 22,475 21,887	8/18/2018 15,736 15,233 14,768 14,534 14,838 15,111 15,600 16,788 17,994 21,781 22,043 22,616 22,474 22,601 22,1463 20,638 19,144 17,491	8/19/2018 15,346 14,717 14,239 14,026 13,857 13,696 14,044 15,287 16,351 17,451 18,426 19,425 20,078 20,592 21,172 21,487 21,831 21,934 20,592 21,172 21,487 21,934	8/20/2018 16,625 15,999 15,735 15,899 16,679 17,767 18,986 20,345 21,422 21,934 23,073 23,641 24,276 24,129 24,050 23,033 23,100 22,2509 22,201 21,579 20,284	8/21/2018 17,684 17,363 16,933 17,226 17,855 19,171 20,443 21,295 21,543 22,333 23,301 24,112 24,840 25,269 25,359 25,359 25,474 24,797 24,320 23,389 22,812 22,204 20,486 19,266 19,266 19,266 19,266	8/22/2018 17, 429 16,906 16,171 16,421 16,883 17,939 18,768 19,886 20,175 20,886 21,329 21,487 21,965 21,87 21,965 21,87 20,965 20,97 21,97 20,9	8/23/2018 15.887 15.634 15.271 15.475 16.179 17.473 18.362 20.324 20.3877 21.733 22.289 22.398 22.229 22.444 20.22 22.229 21.325 21.325 21.325 21.766 21.766	8/24/2018 16,228 15,972 15,443 15,529 16,181 17,353 18,764 19,861 20,517 20,609 21,226 21,736 21,821 21,935 21,821 21,935 21,821 21,935 21,821 21,935 21,821 21,935 21,821 21,935 21,821 21,935 21,821 21,935 21,821 21,935	8/25/2018 14,512 13,959 13,668 14,009 14,445 14,928 15,930 16,997 17,727 17,701 18,094 17,795 19,124 18,403 18,304 18,304 18,316 18,587 18,361 17,389 16,597	8/26/2018 14,530 13,960 13,782 13,804 13,957 14,345 14,800 15,750 16,924 17,626 18,525 19,330 19,713 20,768 21,621 22,575 23,921 23,840 23,744 23,640 23,744 23,640 23,744 21,907 21,244	8/27/2018 19,560 19,078 18,497 18,667 19,374 20,960 22,371 23,696 25,166 26,470 27,554 28,643 29,703 28,243 29,109 28,849 31,930 28,253 27,482 26,374 24,430 22,692 21,755 596,254	8/28/2018 20,500 19,925 19,338 19,312 19,708 21,425 22,579 23,965 25,404 26,771 27,728 26,364 29,935 29,935 29,193 30,119 29,317 29,020 31,233 27,916 26,639 24,642 23,096	8/29/2018 20.584 19,799 19.446 19.328 19.900 21,244 22,679 23,948 25,202 26,584 27,288 30,683 30,683 32,779 25,947 24,755 24,221 22,889 21,216 19,722	17,662 17,076 16,451 16,645 17,151 18,118 18,994 20,031 20,657 21,385 21,595 22,339 22,890 23,266 22,595 23,730 22,595 23,730 22,595 21,784 21,894 21,895 21,793 22,595 23,793 22,595 23,793 21,894 21,895 21	8/31/2018 16,276 15,983 15,623 16,626 16,208 17,623 18,773 19,679 20,495 21,221 22,053 22,989 23,916 24,522 24,676 24,879 24,078 24,679 24,078 26,078









Omega Joint Venture Two

1111 Schrock Rd, Suite 100

PHONE: (614) 540-1111

INVOICE NUMBER: 204297

INVOICE DATE: 9/7/2018

COLUMBUS, OHIO 43229 **DUE DATE**: 9/17/2018

TOTAL AMOUNT DUE: \$662.04

FAX: (614) 540-1078 **CUSTOMER NUMBER:** 5020

CUSTOMER P.O. #:

City of Napoleon

Gregory J. Heath, Finance Director 255 W. Riverview Ave., P.O. Box 151 Napoleon, Ohio 43545-0151 PLEASE WRITE INVOICE NUMBER ON
REMITTANCE AND RETURN YELLOW INVOICE
COPY. MAKE CHECK PAYABLE TO OMEGA JV 2

OMEGA JV2 POWER INVOICE - August, 2018

FIXED RATE CHARGE: 264 kW * \$2.41 / kW = \$636.24

 ENERGY CHARGE:
 0 kWh *
 \$0.000000 / kWh =
 \$0.00

 SERVICE FEES:
 0 kWh *
 \$0.000000 / kWh =
 \$0.00

 Fuel Costs that were not recovered through Energy Sales to Market
 =
 \$25.80

TOTAL CHARGES \$662.04

* To excell a deleved necessary shows a necessary necessity media to mediate



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: 204361

INVOICE DATE: 9/4/2018

DUE DATE: 9/14/2018

TOTAL AMOUNT DUE: \$80,795.03

CUSTOMER NUMBER: 5020

CUSTOMER P.O. NUMBER: BL980397

MAKE CHECKS PAYABLE TO: OMEGA JV5

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

FOR THE MONTH/YEAR OF: August, 2018				
DEMAND CHARGES: Base Financing Demand Charge: (Invoiced seperately	as of 1/1/07)			
Base Operating Expense Demand Charge: Seca Associated with JV5.	\$11.226671 \$0.000000	/ kW * / kW *	3,088 kW = 3,088 kW =	\$34,667.97 \$0.00
TOTAL DEMAND CHARGES:	\$11.226674	/ kW *	3,088 kW =	\$34,667.97
ENERGY CHARGES: JV5 Repl. Pwr. & Variable (Budgeted Rate): JV5 Fuel Cost (Actual Expense):	\$0.020077 \$0.000000	/ kWh * / kWh *	2,297,472 kWh = 2,297,472 kWh =	\$46,127.06 \$0.00
TOTAL ENERGY CHARGES:	\$0.020077	/ kWh *	2,297,472 kWh =	\$46,127.06
SUB-TOTAL				\$80,795.03

Total OMEGA JV5 Invoice:	\$80,795.03



INVOICE NUMBER: 204403

INVOICE DATE: 9/4/2018

DUE DATE: 9/14/2018

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

FOR THE MONTH/YEAR OF: September, 2018

City of Napoleon

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

Total OMEGA JV5 Financing Invoice:

\$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:

204421

INVOICE DATE:

9/4/2018

DUE DATE:

9/14/2018

TOTAL AMOUNT DUE:

\$1,593.83

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 * 5.313 per kW-Month

Total

September, 2018 -

Electric Fixed

\$1,593.83

AMOUNT DUE FOR:

TOTAL CHARGES

\$1,593.83

RATE REVIEW COMPARISONS - Current to Prior Month and Prior Year

2018 OCTOBER BILLING - EL	ECTRIC I				TO DRIOD DE		or rear			
Rate Comparisons to Prior Month a				INFARISIONS	TO PRIOR PE	KIODS				
Rate Compansons to Prior Month a	IIIu Piloi ii	ear ioi Saii	Current	Prior Month	Prior Year			Current	Prior Month	Prior Year
	Service	Service	October	September	October	Service	Service	October	September	October
Customer Type	Usage	Units	2018 Rate	2018 Rate	2017 Rate	Usage	Units	2018 Rate	2018 Rate	2017 Rate
Customer Type	Usage	UIIIIS	2010 Rate	2010 Rate	2017 Rate	Usage	UIIIIS	2010 Kate	2010 Kate	2017 Rate
Customer Type ->		RESID	ENTIAL USE	R - (w/Gas He	eat)		RESID	ENTIAL USE	R - (All Electri	ic)
Customer Charge			\$6.00	\$6.00	\$6.00			\$6.00	\$6.00	\$6.00
Distribution Energy Charge			\$20.93	\$20.93	\$20.93			\$33.39	\$33.39	\$33.39
Distribution Demand Charge			7=0.00	7	7=0.00			700.00	700.00	7.0.00
Power Supply Energy Charge	978	kWh	\$71.20	\$71.20	\$71.20	1,976	kWh	\$143.85	\$143.85	\$143.85
Power Supply Demand Charge	0.0		ψ. 1.20	ψ <u>2</u> 0	Ų. 1.20	1,070		ψσ.σσ	ψ.10.00	ψ
PSCAF - Monthly Factor	978	kWh	\$14.19	\$17.97	\$10.29	1.976	kWh	\$28.67	\$36.30	\$20.79
kWH Tax- Level 1	978	kWh	\$4.55	\$4.55	\$4.55	1,976	kWh	\$9.19	\$9.19	\$9.19
kWH Tax- Level 2	370	KVVII	ψ4.00	ψ+.00	ψ+.00	1,570	KVVII	ψ3.13	ψ3.13	ψ5.15
kWH Tax- Level 3						+				
NVVII IAA- LEVEI 3						+				
Total Electric		-	¢446.07	\$420.6E	\$112.97	-	-	\$224.40	¢220.72	\$213.22
I Otal Electric			\$116.87	\$120.65	\$112.97			\$221.10	\$228.73	\$213.22
Water	6	CCF	\$50.55	\$50.55	\$46.23	11	CCF	\$83.14	\$83.14	\$75.25
Sewer (w/Stm.Sew. & Lat.)	6	CCF	\$70.89	\$70.89	\$70.89	11	CCF	\$98.89	\$98.89	\$98.89
Storm Water (Rate/ERU)			\$9.50	\$9.50	\$9.50			\$9.50	\$9.50	\$9.50
Refuse (Rate/Service)			\$18.00	\$18.00	\$18.00	1		\$18.00	\$18.00	\$18.00
Troides (Trate/est Tree)		_	Ψ10.00	Ψ10.00	Ψ10.00		_	Ψ10.00	Ψ10.00	Ψ10.00
Sub-Other Services			\$148.94	\$148.94	\$144.62			\$209.53	\$209.53	\$201.64
Total Billing - All Services		-	\$265.81	\$269.59	\$257.59		-	\$430.63	\$438.26	\$414.86
Verification Totals->			\$265.81	\$269.59	\$257.59			\$430.63	\$438.26	\$414.86
romodion rotato r			φ200.07	Cr.Mo to Pr.Mo	Cr. Yr to Pr. Yr	1		\$700.00	Cr.Mo to Pr.Mo	Cr. Yr to Pr. Yı
Dollar Chg.to Prior Periods				-\$3.78	\$8.22				-\$7.63	\$15.77
% Inc/Dec(-) to Prior Periods				-1.40%	3.19%				-1.74%	3.80%
70 ma/2 co() to 1 mon 1 cmcac				11.10%	0.1070					0.007
=======================================	=====	=====	======	=======	=======		=====	======	=======	======
Cost/kWH - Electric	978	kWh	\$0.11950	\$0.12336	\$0.11551	1.976	kWh	\$0.11189	\$0.11575	\$0.10790
% Inc/Dec(-) to Prior Periods			\$3.1.300	-3.13%	3.45%	1,,,,,		\$3	-3.33%	3.70%
70 more 500(-) to 1 mor 1 chods				-0.1070	0.7070	1			-0.0070	5.7070
Cost/CCF - Water	6	CCF	\$8.42500	\$8.42500	\$7.70500	11	CCF	\$7.55818	\$7.55818	\$6.84091
Cost/GALLONS - Water	4,488	GAL	\$0.01126	\$0.01126	\$0.01030	8,229	GAL	\$0.01010	\$0.01010	\$0.00914
% Inc/Dec(-) to Prior Periods				0.00%	9.34%				0.00%	10.49%
Cost/CCF - Sewer	c	CCF	¢44.04500	¢44.94500	¢14.04500	44	CCF	00000	00000	#9.0000
	6		\$11.81500	\$11.81500	\$11.81500	11		\$8.99000	\$8.99000	\$8.99000
Cost/GALLON - Sewer	4,488	GAL	\$0.01580	\$0.01580	\$0.01580	8,229	GAL	\$0.01202	\$0.01202	\$0.01202
% Inc/Dec(-) to Prior Periods				0.00%	0.00%				0.00%	0.00%
(Listed Accounts Assume SAME USA				Billing Periods)						
(One "1" Unit CCF of Water = "Hundre	ed Cubic Fo	pot'' = 748.0								
9-2018-10-OCTOBER-BILL-F	REVIEW-DE	T.xls		Page -	1 of 4				10	0/3/2018

RATE REVIEW COMPARISONS - Current to Prior Month and Prior Year

2018 OCTOBER BILLING - EL				PARISONS - Cur						
Rate Comparisons to Prior Month a										
rate companisons to 1 nor month a			Current	Prior Month	Prior Year			Current	Prior Month	Prior Year
	Service	Service	October	September	October	Service	Service	October	September	October
Customer Type	Usage	Units	2018 Rate	2018 Rate	2017 Rate	Usage	Units	2018 Rate	2018 Rate	2017 Rate
ouotomo: 1ypo	<u>oougo</u>	<u>Omto</u>	201011410	201011410	2011 11010	<u> </u>	<u> </u>	201011410	201011410	2011 11440
Customer Type ->	C	OMMERC	IAL USER -	(3 Phase w/De	emand)	<u> </u>	NDUSTRI	AL USER - (3 Phase w/De	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	\$2,303.8
Distribution Demand Charge	20.32	kW/Dmd	\$92.86	\$92.86	\$92.86	1510.1	kW/Dmd	\$8,215.30	\$8,215.30	\$8,215.3
Power Supply Energy Charge	7,040	kWh	\$623.04	\$623.04	\$623.04	866,108	kWh	\$39,165.42	\$39,165.42	\$39,165.4
Power Supply Demand Charge								\$15,296.55	\$15,296.55	\$15,296.5
PSCAF - Monthly Factor	7,040	kWh	\$102.15	\$129.32	\$74.06			\$11,938.87	\$15,114.89	\$8,655.8
kWH Tax- Level 1			\$9.66	\$9.66	\$9.66			\$9.66	\$9.66	\$9.60
kWH Tax- Level 2			\$20.80	\$20.80	\$20.80			\$56.24	\$56.24	\$56.24
kWH Tax- Level 3			7=0:00	7=0.00	7=0.00			\$3,087.71	\$3,087.71	\$3,087.7
		_					-			
Total Electric			\$904.53	\$931.70	\$876.44			\$80,173.60	\$83,349.62	\$76,890.62
Water	25	CCF	\$170.92	\$170.92	\$153.37	300	CCF	\$1,936.11	\$1,936.11	\$1,736.8
Sewer (w/Stm.Sew. & Lat.)	25	CCF	\$178.69	\$178.69	\$177.29	300	CCF	\$1,718.69	\$1,718.69	\$1,717.29
Storm Water (Rate/ERU)	25	CCF	\$9.50	\$9.50	\$9.50	300	CCF	\$330.00	\$330.00	\$330.00
, ,						-		·		\$5.00
Refuse (Rate/Service)			\$5.00	\$5.00	\$5.00 	1		\$5.00	\$5.00	\$5.00
Sub-Other Services			\$364.11	\$364.11	\$345.16			\$3,989.80	\$3,989.80	\$3,789.10
Total Billing All Comicae		-	\$4.269.64	\$4.20E.84	¢4 224 60	-	-	¢04.463.40	¢97.330.43	\$90.670.70
Total Billing - All Services Verification Totals->			\$1,268.64 \$1,268.64	\$1,295.81 \$1,295.81	\$1,221.60 \$1,221.60	-		\$84,163.40 \$84,163.40	\$87,339.42 \$87,339.42	\$80,679.72 \$80,679.72
verilication rotals->			φ1,200.04		Gr. Yr to Pr. Yr	1		φο4, 103.40		
Dollar Chg.to Prior Periods				<u>Cr.Mo to Pr.Mo</u> -\$27.17	\$47.04				<u>Cr.Mo to Pr.Mo</u> -\$3,176.02	<u>Cr. Yr to Pr. Y</u> \$3,483.68
% Inc/Dec(-) to Prior Periods				-\$27.17 -2.10%	3.85%				-33,176.02	4.32%
% IIIc/Dec(-) to Filor Feriods				-2.1076	3.65%				-3.04%	4.327
	=====	=====	======	=======		=====	=====	======	=======	
Cost/kWH - Electric	7,040	kWh	\$0.12848	\$0.13234	\$0.12449	866,108	kWh	\$0.09257	\$0.09623	\$0.08878
% Inc/Dec(-) to Prior Periods				-2.92%	3.21%				-3.80%	4.27%
Cost/CCF - Water	25	CCF	\$6.83680	\$6.83680	\$6.13480	300	CCF	\$6.45370	\$6.45370	\$5.7893
Cost/GALLONS - Water	18,701	GAL	\$0.00914	\$0.00914	\$0.00820	224,415	GAL	\$0.00863	\$0.00863	\$0.00774
% Inc/Dec(-) to Prior Periods	10,701	OAL	ψ0.00314	0.00%	11.44%	224,410	OAL	ψ0.00000	0.00%	11.47%
		205	A7.44	A7 44-00	47.00/22			AF 70555	45 7000	A.F. 70.10
0 1/005 0	25	CCF	\$7.14760	\$7.14760	\$7.09160	300	CCF	\$5.72897	\$5.72897	\$5.7243
	40			\$0.00956	\$0.00948	224,415	GAL	\$0.00766	\$0.00766	\$0.0076
Cost/GALLON - Sewer	18,701	GAL	\$0.00956							
Cost/CCF - Sewer Cost/GALLON - Sewer % Inc/Dec(-) to Prior Periods	18,701	GAL	\$0.00956	0.00%	0.79%				0.00%	0.08%
Cost/GALLON - Sewer		GAL	\$0.00956						0.00%	0.089

OCTOBER, 2018 2018 - OCTOBER BILLING WITH AUGUS	T 2018 A		NG PERIOD AND	SEPTEMBER 20	18 CITY CON	SUMPTION AN									
Class and/or	Rate	Sep-18			Billed kVa	Care Change	Cost / kWH	Oct-17		27.72	Back Street	Nov-17		40.754	Ø
Schedule	- Print Committee	# of	Sep-18 (kWh Usage)	Sep-18 Billed	and the last transfer of the last transfer of	Cost / kWH For Month	Prior 12 Mo	# of	(kWh Usage)	Oct-17	Cost / kWH For Month	# of	Now-17	Nov-17	Cost / kW
Residential (Dom-In)	Code E1	3.350	3.081.597	\$381,317,28	of Demand	\$0.1237	50,1236	3.332	2.223.727	Billed \$263,326.85	\$0.1184	3.342	(AWh Usage) 2.183.770	5258,960.04	For Mont 50.11
Residential (Dom-In) w/Ecosmart	EIE	2.000	5,146	\$768,44		\$0.1250	\$0.1254	9,002	5,030	\$604.13	\$0.1201	3,342	5.189	\$621.37	\$0.11
Residential (Dom-in - All Electric)	E2	612	480.532	\$59,991,48	0	\$0.1248	\$0,1215	601	358 277	\$42,791.55	\$0 1194	607	359,718	542,973.88	\$0.11
Res.(Dom-in - All Elec.) w/Ecosmart	E2E	1	944	\$116.65	0	\$0.1236	\$0.1253	1	601	\$71.72	\$0.1193	1	495	\$60.45	\$0.12
Fotal Residential (Domestic)		3,971	3,569,219	\$442,193.85	0	\$0.1239	\$0.1232	3,943	2,587,635	\$306,794.25	\$0.1186	3,959	2,549,175	\$302,615.74	\$0.11
Residential (Rural-Out)	FR1	785	891.992	\$116,624.29		\$0.1307	\$0.1294	772	664.288	\$83,537.14	\$0.1258	782	621 146	584,360.08	\$0.12
Residential (Rural-Out) w/Ecosmart	ER1E	765	3.606	\$479.65	- 0	\$0.1330	50.1329	4	2.206	\$291.63	50.1322	102	2,317	\$304.24	50.12
Residential (Rural-Out - All Electric)	ER2	373	461.395	\$59,978,41	0	\$0,1300	\$0,1276	376	361,254	544,970.86	\$0.1245	375	356,797	544,641.94	\$0.12
Res. (Rural-Out - All Electric) w/Ecosmar	ER2E	2	2.179	\$285.67	0	50.1311	\$0.1280	2	1,534	\$194.96	\$0.1271	- 2	1,712	\$215.25	\$0.12
Residential (Rural-Out w/Dmd)	ER3	16	22,592	\$2,912.12	259	\$0.1289	\$0.1215	16	12,662	\$1,603.74	\$0.1267	16	15,601	\$1,938.09	\$0.12
Residential (Rural-Out - All Electric w/Dm	ER4	9	9,780	\$1,281.92	73	\$0.1311	\$0.1257	9	7.172	\$907.99	\$0.1266	9		\$904.42	\$0.12
Total Residential (Rural)		1,189	1,391,549	\$181,562.06	332	\$0.1305	\$0.1285	1,184	1,049,116	\$131,506.32	\$0.1253	1,188	1,054,715	\$132,164.02	\$0.12
				-											
Commercial (1 Ph-In - No Dmd)	EC2	73	38,745	\$6,108.85	13	\$0.1577	\$0,1568	76	34,747	\$5,333.29	\$0.1535	76	32,527	\$5,050.68	\$0.150
Commercial (1 Ph-Out - No Dmd)	EC2O	48	7.906	\$1,644.36	- 0	\$0,2080	\$0.2002	48	7,344	\$1,510.81	\$0.2057	48	7,470	\$1,526.63	\$0.20
Total Commercial (1 Ph) No Dmd		121	46,651	\$7,753.21	13	\$0.1662	\$0.1651	124	42,091	\$6,844.10	\$0.1626	124	39,997	\$6,577.31	\$0.164
Communicated (A Date of Communicated)	EC1	265	200 600	120 747 00	2000	\$0.1486	\$0.1500	200	379,198	\$53.697.15	\$0.1416	200	240 887	\$47.319.16	\$0.148
Commercial (1 Ph-In - w/Demand) Commercial (1 Ph-Out - w/Demand)	EC10	262 25	398,500 52,396	\$59,217.68	2081	\$0.1486	\$0.1360	259 25	44,552	\$5,902.21	\$0.1416	260 25	319,807	\$5,891.25	\$0.146
Commercial (1 Pri-dut - w/Certaino)	EUIU	2.0	32,300	91,170,33	760	90.1303	30.1360	20	44,002	23,902.21	90.1323	2.2	49,093	20.621.23	90.132
Total Commercial (1 Ph) w/Demand		287	450,896	\$66,388.23	2,246	\$0.1472	\$0.1482	284	423,750	\$59,599.36	\$0.1406	285	364,452	\$53,210.41	\$0.146
Commercial (3 Ph-Out - No Dmd)	EC40	2	40	\$41.40	- 4	\$1.0350	\$0.1389	2	BO	\$46.17	\$0.5771	2	40	\$41.09	\$1.027
Total Commercial (3 Ph) No Dmd		2	40	\$41.40		\$1.0350	\$0.1389	- 2	80	\$46.17	\$0.5771	- 2	40	\$41.09	\$1.027
Commercial (3 Ph-In - w/Demand)	EC3	205	1.852.442	\$246.545.64	6115	\$0.1331	\$0.1321	204	1.692.732	\$214,231.62	\$0.1266	205	1.517.308	\$193,360.95	\$0.127
Commercial (3 Ph-Out - w/Demand)	EC30	37	302.193	\$41,843.55	1461	\$0,1385	\$0.1326	38	325.955	\$41,725.26	\$0,1280	38	294,347	\$39,396.29	\$0.133
Commercial (3 Ph-Out - w/Dmd.&Sub-St.		3	126,360	\$15,879.18	468	\$0.1257	\$0.1232	3		\$13,869.38		3	129,040	\$15,176,79	\$0,117
Commercial (3 Ph-in - w/Demand, No Ta:		1	8,680	\$1,126.29	24		50 1414	- 1	5,480	\$770.10	\$0.1405	- 1	4,360	\$641.13	\$0.147
Total Commercial (3 Ph) w/Demand		246	2,289,875	\$305,394.66	8,068	\$0.1334	\$0.1317	246	2,140,167	\$270,596.36	\$0.1264	247	1,945,055	\$248,575.16	\$0.127
Large Power (in - w/Dmd & Rct)	EL1	- 20	2,452,238	\$263,428,77	5252	\$0,1074	\$0.1083	20	2.337.738	\$237.863.72	\$0.1017	26	2.135.368	5229.141.71	\$0.107
Large Power (in - w/Dmd & Rot, w/SbCr)	EL2	3	1,127,543	\$111,927,95	2060	\$0.0993	\$0.0985	3	1,123,509	\$108,039,15	\$0.0962	3	1,135,244	\$106,358,90	\$0.093
Large Power (Out - w/Dmd & Rct, w/SbC	EL2O	1	507.600	\$54,558.29	1089	\$0.1075	\$0.1057	1	537,600	\$53,006.22	\$0.0986	1		\$53,439,61	\$0.097
Large Power (in - w/Dmd & Rct, w/SbCr)	EL3	9	80,800	\$13,357.94	441	\$0.1653		2		\$16,071.48	\$0.1975	2		\$10,209.80	\$0.132
	NA.U		-	****	************	18,000			************			-	-	******************	
Total Large Power		26	4,168,181	\$443,272.95	8,842	\$9.1063	\$0.1060	26	4,080,207	\$414,980.57	\$0.1017	26	3,898,230	\$399,150.02	20012000
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	- 1	1,140,164	\$108,239.67	1963	\$0.0949	\$0.0944	- 1	4-14-14-14	\$99,604,19	\$0.0882	1	1,112,781	\$97,747,46	\$0.087
Industrial (In - w/Dmd & Rct, No/SbCr)	EI2	1	916,506	\$87,069.32	1531	\$0.0950	\$0.0969	- 1	796,422	\$72,352.61	\$0.0908	- 1	957.307	\$86,295.32	\$0.090
Total industrial		2	2,056,670	\$195,308.99	3,494	\$0.0950	\$0.0954	2	1,926,038	\$171,956.80	\$0.0893	2	2,070,088	\$184,042.78	\$0.088
Interdepartmental (in - No Dmd)	ED1	10	48,027	\$6,417,77	165	50.1336	\$0,1290	R	30,204	\$3,954,95	50 1309	- 0	30.726	\$3,903.70	\$0.127
	ED20	10	588	\$103.55	- 190	\$0.1761	\$0,1968	2		\$60.78		2	365	\$70.56	
Interdepartmental (Out - w/Dmd) Interdepartmental (in - w/Dmd)	ED2	29		\$3,536.12	- 1	\$0.1499		26		\$2,940.06		26		\$3,130.33	\$0.141
Interdepartmental (3Ph-In - w/Dmd)	ED3	10		\$20,179.18	526	\$0,1306		11		\$22,412.21		11		\$19,992.77	
Interdepartmental (Street Lights)	EDSL	7		\$5,868.82		\$0.0931	\$0.0930	7		\$5,850.15		7		\$5,865.70	
Interdepartmental (Traffic Signals)	EDTS	- 8		\$149.33		\$0.0925		9		\$151.75		9		\$157.09	\$0.090
Generators (JV2 Power Cost Only)	GJV2	t	14,354	\$311.19	22	\$0.0217		- 1	19.650	\$149.14		- 1	19,414	\$444.30	\$0.023
Generators (JV5 Power Cost Only)	GJV5	1	6,673	5144.67		\$0.0217	\$0.0000	- 1	12.615	\$95.75	\$0.0076	- 1	11,906	\$272.53	\$0.02
Total Interdepartmental		68	312,445	\$36,710.63	711	\$0,1175	\$0.1142	65	338,997	\$35,614.79	\$0.1051	66	319,976	\$33,837.07	\$0.10
SUB-TOTAL CONSUMPTION & DEMAN	D	5,912		\$1,678,625.98	23,714	\$0.1175	\$0,1164	5,876		\$1,397,938.72	\$0,1111	5,899		\$1,360,213.60	\$0.111
			**********	***********					***********	**********			*********	**********	
Street Lights (In)	SLO	214	0	\$13.44	- (\$0.0000	\$0.0458	13	0	\$13.28	\$0.0000	13	0	\$13.28	\$0.00
Street Lights (Out)	SLOO	- 2	0	51.91	- (\$0.0000	\$0.0000	2	0	\$1.91	\$0.0000	2	0	\$1.92	\$0.00
Total Street Light Only		16	0	\$15.35	- (\$0.0000	\$0.0517	15	0	\$15.19	\$0.0000	15	0	\$15.20	\$0.00
TOTAL CONSUMPTION & DEMAND		5,928	14,285,526	\$1,678,641.33	23,714	\$0,1175	\$0,1164	5.891	12,588,081	\$1,397,953.91	\$0,1111	5.914	12,241,728	\$1,360,228.80	\$0.11
The second secon			***************************************	***********		*********	96.1104		72,300,001	31,351,333.51	90.1111	Inches and the second	12,241,720	\$1,360,226.00	PM-110

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BILLING SUMMARY AND	D CON																
OCTOBER, 2018																	
2018 - OCTOBER BILLING WITH AUGUS	ST 2018 A	1															
900	-	Dec-17			222500	Jan-18				Feb-18				Mar-18			
Class and/or	Rate	# of	Dec-17	Dec-17	Cost / kWH	# of	Jan-18	Jan-18	Cost / kWH	# of	Feb-18	Feb-18	Cost / kWH	# of	Mar-18	Mar-18	Cost / kWH
Schedule	Code	Bills	(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month	Bitts	(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month
Residential (Dom-In)	E1	3,343	1.828,366	\$220,986,13	\$0,1209	3,335	2,010,836	\$244,589,76	50.1216	3,343	2,600,843	\$315,462.64	50,1213	3.335	2,361,100	\$298,911,41	\$0,1266
Residential (Dom-In) w/Ecosmart	E1E	9	4,265	\$522.82	\$0.1226	9	4,807	\$590.89	\$0.1229	. 8	4,499	\$559.08	\$0,1243	8	4,002	\$520.81	\$0.130
Residential (Dom-In - All Electric)	E2	600	411,193	\$48,796,42	\$0,1187	604	564,281	\$66,628.60	\$0.1181	602	864,143	\$101,722.88	50.1177	606	786,539	\$96,518.49	\$0,1227
Res.(Dom-in - All Elec.) w/Ecosmart	E2E	1	543	\$65.68	\$0.1210	- 1	418	\$52.69	\$0.1261	- 1	535	\$66.78	\$0.1248	- 1	523	\$67.78	\$0.129€
Total Residential (Domestic)		3,953	2,244,367	\$270,373.05	\$0.1205	3,949	2,580,342	\$311,861.94	\$0.1209	3,954	3,470,020	\$417,811.38	\$0.1204	3,950	3,152,164	\$396,018.49	\$0.1256
Residential (Rural-Out)	E91	780	685.224	\$86 337 74	\$0.1260	773	755.076	\$96,763.07	\$0.1265	771	986 496	\$124,341.31	\$0.1260	771	908.972	\$119,325.99	50.1310
Residential (Rural-Out) w/Ecosmart	ERIE	100	2.675	\$346.56	\$0,1296	- 110	3,295	\$423.51	\$0.1285	- 4	4,035	\$517.35	\$0.1282	- 111	3.609	\$483.33	\$0,1336
Residential (Rural-Out - All Electric)	ER2	375	403,035	\$49,945.45	\$0.1239	376	472,990	\$58,795.22	\$0.1243	377	639,067	\$79,311.61	50.1241	376		\$75,345.72	\$0.1292
Res. (Rural-Out - All Electric) w/Ecosmar	ER2E	2	1,834	\$230.21	\$0.1255	9	2.390	\$298.17	\$0.1248	27.0	3,571	\$442.41	\$0.1239	310	3,058	\$395.64	\$0.129
Residential (Rural-Out w/Dmd)	ER3	16	64.428	\$7,518.60	\$0.1167	16	139,280	\$16,276.44		10		\$11,174.66	\$0.1239	10		\$3,325.21	
Residential (Rural-Out - All Electric w/Dm		10	24,064	\$2,842,60	\$0.1181	10			\$0.1109	16	11,992			19			\$0.1289
	Ens		************		1000000	*********	29,151	\$3,474.71		*********		\$1,508.09	\$0.1258		11,504	\$1,502.79	\$0.1306
Total Residential (Rural)		1,186	1,181,260	\$147,221.19	\$0.1246	1,180	1,412,182	\$176,031.12	\$0.1247	1,179	1,738,647	\$217,295.63	\$0.1250	1,178	1,536,054	\$200,378.68	\$0.130
Commercial (1 Ph-In - No Dmd)	EC2	73	33,935	\$5,213.13	\$0.1536	72	33,842	\$5,248.60	\$0.1551	73	43,883	\$6,642.26	\$0.1514	74	41,741	\$6,562.97	\$0.1572
Commercial (1 Ph-Out - No Dmd)	EC2O	48	7,896	\$1,585.34	\$0,2008	49	11,116	\$2,015.82	\$0.1813	48	12,402	\$2,206.58	\$0,1779	48	10,219	\$1,966.08	\$0.1924
menance also cameanas				-		_						-		_		-	
Total Commercial (1 Ph) No Dmd		121	41,831	\$6,798.47	\$0.1625	120	44,958	\$7,264.42	\$0.1616	121	56,285	\$8,848.84	\$0.1572	122	51,960	\$8,529.05	\$0.1641
Commercial (1 Ph-In - w/Dernand)	EC1	261	291,661	\$43,822,32	\$0.1503	261	284,512	\$42,357.67	\$0,1489	261	328,599	\$48,114.24	\$0,1464	261	339,671	\$51,012.55	\$0,1502
Commercial (1 Ph-Out - w/Demand)	EC10	26	42,672	\$5,729.42	\$0.1336	25	43,761	\$5,916.71	\$0,1352	25	50,064	\$6,772.87	\$0,1353	25	52,526	\$7,223.28	\$0.1375
Samuel Control of the	- Chippendien	********			1-11-1-11-11	*********	harmon and a second			-		***************************************	153711190	-	****		20000000
Total Commercial (1 Ph) w/Demand		287	334,533	\$49,551.74	\$0.1481	286	328,273	\$48,274.38	\$0.1471	286	378,663	\$54,887.11	\$0.1449	286	392,197	\$58,235.83	\$0.1485
Commercial (3 Ph-Out - No Drnd)	EC40	2	190	\$46.22	\$0.5778	2	17,480	\$2,292.64	\$0.1312	2	30,880	\$4,075.47	\$0.1320	2	1.400	\$226.02	\$0,1617
Total Commercial (3 Ph) No Dmd		2	80	\$46.22	\$0.5778	7	17,480	\$2,292.64	\$0,1312	2	30,880	\$4,075.47	\$0,1320	- 2	1,400	\$226.32	\$0.1617
role constitue to the cons			-				77,562			1	30,000	***************************************		-	0.440	******	
Commercial (3 Ph-In - w/Demand)	EC3	205	1,433,490	5184,075.24	\$0.1284	204	1,281,988	\$166,754.24	\$0.1301	206	1,371,679	\$179,694.62	\$0.1310	204	1,414,470	\$190,732.90	\$0.1348
Commercial (3 Ph-Out - w/Demand)	EC3O	38	437,383	\$55,388.91	\$0.1266	- 37	498.587	\$62,293.93	\$0.1249	37	387,026	\$50,165.48	\$0.1296	37	336,281	\$45,317.24	\$0.1348
Commercial (3 Ph-Out - w/Dmd.&Sub-St.	E3SO	3	111,840	\$13,266,17	\$0.1186	3	124,400	\$14,870.27	\$0.1195	3	121,400	\$14,925.35	\$0.1229	- 3	128.240	\$16,205.40	\$0.1264
Commercial (3 Ph-In - w/Demand, No Ta	EC3T	1	4,720	\$688.22	\$0.1458	1	1,880	\$317.02	\$0.1686	1	1.880	5246.39		1	1,920	\$259.83	\$0.1353
Total Commercial (3 Ph) w/Demand		247	1,987,433	\$253,418.54	\$0.1275	245	1,906,855	\$244,235.46	\$0,1281	247	1,881,985	\$245,031.84		245	1,880,911	\$252,515.37	50.1343
		2.50		4,00000,000						1000	12,22,33						
Large Power (In - w/Dmd & Rct)	EL1	20	2,168,883	\$222,936.81	\$0.1028	20	2,006,153	3213,358.86	\$0.1064	20		\$198,455,18	\$0.1093	25		\$229,984.97	\$0.1112
Large Power (In - w/Dmd & Rct. w/SbCr)	EL2	3	1,022,737	\$97,146.25	\$0.0950	- 3	927,688	\$88,035,71	\$0.0949	- 3	966,577	\$96,296,51	\$0.0996	3	949,906	\$96,998.93	\$0.102
Large Power (Out - w/Dmd & Rct, w/SbC			540,600	\$52,214.92	\$0.0967	1	480,000	\$48,097.78	\$0.1002	1	367,200	\$41,884,75			523,200	\$56,086.13	\$0.1072
Large Power (in - w/Dmd & Rct, w/St)Cr)	EL3	- 2	88.348	\$8,206.94	\$0.0929	2	85,831	58,470.21	\$0.0987	2	116,013	\$10,980.28	\$0.0946	- 2	110,023	\$10,673.16	\$0.0976
Total Large Power		26	3,819,968	\$380,504.92	\$0.0996	26	3,499,672	\$357,962.56	\$0.1023	26	3,264,717	\$347,616.72	\$0.1065	26	3,651,661	\$393,743.19	\$0.1078
Industrial (In - w/Dmd & Rct, w/SbCr)	EIT	-	1,089,751	\$95,026.41	\$0.0872		1,008,863	\$93,691,01	\$0.0929		839,013	\$84,432,41	\$0.1006		1.048.501	\$101,993.48	\$0.097
Industrial (In - w/Dmd & Rct, No/SbCr)	E12	4	793,544	\$73,110.92	\$0.0921		580,356	\$61,860,44			589,615	\$64,585,76	\$0.1095		749.970	\$75,744.35	\$0.101
Production (III - Michillo & Rick, Horsoci)	6.74		1,000,074	\$10,110.04	90.034.1		200,000	9013000	30.1000		397017	901,000,10	400,110000		140,000	819/1750	40.701
Total Industrial		2	1,883,695	\$168,137.33	\$0.0893	2	1,589,219	\$155,551.45	\$0.0979	2	1,428,628	\$149,018.17	\$0.1043	- 1	1,798,471	\$177,737.83	\$0.0981
Interdepartmental (In - No Dmd)	ED1	9	35,134	\$4,725.24	\$0,1345		47,039	\$5,798.00	\$0.1233		63,930	\$7,771.28	50.1216	10	60,747	\$7,601.39	\$0.125
		9			\$0.1345		275	\$59.76		1 3	257	\$57.92		- 35	265	\$60.17	\$0.123
Interdepartmental (Out - w/Dmd)	ED2O	- 2	269	\$58.51										- 4		\$10,123.32	\$0.140
Interdepartmental (in - w/Dmd)	ED2	28		\$5,978.93	\$0.1352	32		\$8,039.25	\$0,1358	30		\$11,592.07		27		\$10,123.32 \$35,935.72	
Interdepartmental (3Ph-In - w/Dmd)	ED3	-11		\$24,351.34	\$0.1268	11		\$29,509,11	\$0.1272	11		\$38,870.80		- 11			\$0.127
Interdepartmental (Street Lights)	EDSL	- 7	63,071	\$5,850.46	\$0.0928	1	63,071	\$5,874,10	\$0.0931	7	63,071	\$5,866.74				\$5,859.56	\$0.092
Interdepartmental (Traffic Signals)	EDTS	9	1,805	\$166.87	\$0.0924	- 1	1,768	\$163,49	\$0.0925	9		\$163.83		- 4		\$186.43	\$0.092
Generators (JV2 Power Cost Only)	GJV2	1	21,949	\$501.75	\$0.0229		24,724	\$724.66	\$0.0293			\$1,009.05		1	27,905	\$375.30	
Generators (JV5 Power Cost Only)	GJV5		11,273	\$257,70	\$0.0229		14,021	\$410.96	\$0.0293	1	19,852	\$659.09	\$0.0332		16,182	\$217.68	\$0.013
Total Interdepartmental		68	369,822	\$41,890.80	\$0.1133	72	442,160	\$50,579.37	\$0.1144	70	582,530	\$65,990.78	\$0.1133	68	523,054	\$60,339.59	\$0.115
SUB-TOTAL CONSUMPTION & DEMAN	D	5,892	11,862,989	\$1,317,942.26	\$0.1111	5,882	11,821,141	\$1,354,053.34	\$0.1145	5,887	12,832,355	\$1,510,575.94	\$0.1177	5,879	12,987,872	\$1,547,724.35	\$0.119
		37,30		********			*********	**********		1,000	***********	********			**********	*********	
Charles I Carles Harr	SLO	13		\$13.20	\$0,0000	- 13		649.00	\$0,0000	. 13		F40.55	\$0,0000			513.28	40.000
Street Lights (In)	SLOO				\$0,0000	17	0	\$13.26	\$0,0000	13		\$13.28	\$0.0000	13	0		\$0.000
Street Lights (Out)	SCUO	2	- 0	\$1.92	\$0.0000	1	0	\$1.90	\$0.0000	1 _ '	. 0	\$1.91	\$0.0000	-	- 0	\$1.91	\$0.000
Total Street Light Only		15		\$15.21	\$0.0000	15	0	\$15.20	\$0.0000	15	0	\$15.19	\$0.0000	15	0	\$15.19	\$0.000
TOTAL CONSUMPTION & DEMAND		5,907	11,862,989	\$1,317,957.47	\$0.1111	5,897	11,821,141	\$1,354,068.54	\$0,1145	5,902	12,832,355	\$1,510,591,13	\$0,1177	5,894	12,987,872	\$1,547,739,54	\$0,119
The second second		-	200000000000000000000000000000000000000				STREETS STREET		345,1,440		**********	A 180 1717 T 10 10		The second second		**********	100.00

Cate and Case and Cas																			
Common C	2018 - OCTOBER BILLING WITH AUGUS	ST 2018 A																	
Column C	1010 - GC/ODER BEENIG WITH AGGO	21 2010 7					May-15				Jun-18				Jul-18				Aug-18
Schelphin Alberton (1966) 1989 1989	Class and/or	Rate		Apr-18	Apr-18	Cost / kWH	# of	May-18	May-15	Cost / kWH	# of	Jon-18	Jun-18	Cost / kWH	# of	Jul-18	Jul-18	Cost / kWH	# of
Response (Common) Response (Co	Schedule	Code		(kWh Usage)	Billed			(Wh Usage)	Billed			(kWh Usane)	Billed			(kWh lisane)	Billed		Ditte
Rederied (Done -) of Commune (FEE 1, 2012 \$1.00							3.338												3.34
Research (Burdon) Elegenom - Affigenom Commonwell C			B				8								- B				-
The General Proposed Comment (22) 1 666 1999 36 107 1 1 69 159 159 159 159 159 159 159 159 159 15			606				599								611				60
Paper Pape			1				1								1				
Respondent production of a comment of the comment o	Total Residential (Domestic)		3,942	2,421,991	\$300,590.98	\$0.1241	3,946	2,644,524	\$324,479.09	\$0.1227	3,953	2,032,478	\$255,014.03	\$0.1255	3,958	2,692,977	\$346,963.49	\$0,1288	3,956
Respersion plant-Out At Electric GRE 229 452,471 544,573 59,775 544,597 59,800,730 50,900,730															781				78
Res (Refer Del Aux Deltects) First 2 2.30 529-5.5 50.127 2 2.76 534-6.7 50.227 2 190 525-6.5 50.227 50.126 50.126 5															- 4				
Respectable (David Color Compos) Respectable (David Color C			376												375				37
Responded (Party 1.17			2	2,323			- 2	2,756		\$0.1257					- 2		\$269.44		
Total Commercial (FP-04 - No-Demo)			16					22,621							16				- 9
Commercial (1 Ph. N. 19 Dest)	Residential (Rural-Out - All Electric w/Dm	ER4	9	9,571	\$1,229.34	\$0.1284	9	9,461	\$1,210.66	\$0.1280	9	7.732	\$1,006.25	\$0.1301	.9	8,050	\$1,094.00	\$0.1359	
Commercial (1 Ph) No Line Demin) CCO 4 17:52 \$1:50:50 \$92.00 4 17:50 \$1:50:50 \$92.00 4 17:50 \$1:50:50 \$92.00 4 17:50 \$1:50:50 \$92.00 4 17:50 \$1:50:50 \$92.00 4 17:50 \$1:50:50 \$92.00 4 17:50 \$1:50:50 \$92.00 4 17:50 \$1:50:50 \$92.00 4 17:50 \$1:50:50 \$92.00 4 17:50 \$1:50:50 \$92.00 4 17:50 \$92.00	Total Residential (Rural)		1,179	1,202,907	\$154,903.78	\$0.1288	1,178	1,268,478	\$161,988.29	\$0,1277	1,185	976,825	\$127,601.50	\$0.1306	1,187	1,191,308	\$160,448.45	\$0.1347	1,191
Total Commercial (1 Ph) No Drad 121 41,223 \$5,274.03 \$5,166.6 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10 \$10	Commercial (1 Ph-In - No Dmd)																		7
Commercial (1 Phol - Wilmand) ECT 250 288.000 \$15.2014 \$0.1550 260 307.677 \$45.594.000 \$0.1440 270 280.200 \$10.000 \$20.000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$10.0000 \$	Commercial (1 Ph-Out - No Dmd)	EC2O	48	7,512	\$1,569.60	\$0.2089	48	7.657	\$1,584.22	\$0.2069	48	5.691	\$1,457.49	30.2178	48	7,605	\$1,625.00	\$0.2137	41
Commercial (1 PP)-Qui - WDemand)	Total Commercial (1 Ph) No Dmd		121	41,828	\$6,974.93	\$0.1668	121	44,123	\$7,259.66	\$0.1645	119	38,014	\$6,435.30	\$0.1693	121	42,308	\$7,286.85	\$0.1722	12
Commercial (1 PP)-Qui - WDemand)	Commercial (1 Ph-In - w/Demand)	EC1	250	288,035	\$43,656.94	\$0.1516	260	307.573	\$45,594.90	\$0.1482	261	290.232	\$42.801.57	\$0.1527	260	306,074	\$45.757 18	\$0.1593	26
Total Commercial (1 Ph) w/Demand 24 334,104 543,865.58 50.149) 285 336,419 527,522 50.140 226 324,555 548,783.34 50.190 285 337,455 555,184.27 50.587 7 10.0000																			- 2
Commercial (3 Ph)-Out - No Ome)	111100		-					-	********		-	-	-		William Co.				
Total Commercial (3 Ph) No Dand 2 80 546.57 \$0.5821 2 160 \$5.04 \$0.3565 2 160 \$5.70 \$1.00	Total Commercial (1 Ph) w/Demand		284	334,104	\$49,880.58	\$0.1493	285	356,419	\$52,158.28	\$0.1463	286	324,555	\$48,788.34	\$0.1503	285	351,485	\$55,188.27	\$0.1570	28
Commercial (3 Ph-94 - Windows) EC3 205 1352,644 \$177,660.41 \$0.1335 206 1299.832 \$167,585.55 \$0.1330 206 1,359.700 \$176,647.10 \$0.1330 206 1,451,166 \$201,102.33 \$0.1306 \$7.000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000	Commercial (3 Ph-Out - No Omd)	EC4D	2	80	\$46.57	\$0.5821	. 2	160	\$57.04	\$0.3565	. 2	160	\$57.05	\$0.3566	2	80	\$47.02	\$0.5878	
Commencial (3 PP-DAL + wDemand)	Total Commercial (3 Ph) No Dmd		2	80	\$46.57	\$0.5821	2	160	\$57.04	\$0.3565	2	160	\$57.06	\$0.3566	2	80	\$47.02	\$0,5878	
Commencial (3 PP-Out - wiDerd Asign (2 SE) 37 502, 403 540, 173.61 50, 173.61	Commercial (3 Ph-In - w/Demand)	EC3	205	1.352.644	\$177,660.41	\$0.1313	206	1.259.932	5167.538.58	\$0.1330	208	1.329.700	\$176.847.10	\$0.1330	208	1,451,198	\$201,102.33	\$0.1386	200
Commercial (3 Ph.O.4 - w/Dmrd & Side-Side (52)		EC3O	37	302.403	\$40,173.61	\$0.1328		291,806	\$38,489.64	\$0.1319	37	249.671	\$34,289.25	\$0.1373	37	266.981	\$37,840.28	\$0.1417	3
Commercial (3-Phis - wiDemand. No. 78. EC3T 1 1.840 5244.53 50.129 1 1.940 521.12 50.159 1 1.760 522.147 50.159 1 1.840 537.71 50.2059 Total Commercial (3-Phis wiDemand. 246 1.773.327 5224.23.60 50.1511 247 1,666.056 5220.057.18 56.1321 246 1,652.931 5225,100.44 56.1320 246 1.855.373 524.271.32 56.1355 1 1.840 246 1.855.373 524.271.32 56.1355 1 1.840 246 1.855.373 524.271.32 56.1355 1 1.840 246 1.855.373 524.271.32 56.1355 1 1.840 246 1.855.375 524.271.32 56.1355 1 1.840 246 1.855.375 524.271.32 56.1355 1 1.840 246 1.855.375 524.271.32 56.1355 1 1.840 246 1.855.375 524.271.32 56.1355 1 1.840 246 1.855.375 524.271.32 56.1355 1 1.840 246 1.855.375 524.271.32 56.1355 1 1.840 246 1 1.855.375 524.271.32 56.1355 1 1.840 246 1 1.855.375 524.271.32 56.1355 1 1.840 246 1 1.855.375 524.271.32 56.1355 1 1.840 246 1 1.855.375 524 1 1.840 246 1 1.855.375 524 1 1.840 246 1 1.855.375 524 1 1.840 246 1 1.855.375 524 1 1.840 246 1 1.855.375 524 1 1.840 246			3				- 3		513,817,29		- 5	131 800			3	115,360	\$14,950.00	\$0,1296	
Total Commercial (3 Ph) w/Demand 246 1,773,327 5232,423.80 56,1311 247 1,666,056 5220,557.18 56,1321 240 1,662,931 5225,100.84 56,1320 240 1,835,379 5254,271.32 50,1355 (3 Jamps Power (in - w/Dmd & Ref) Large Power (in - w/Dmd & Ref) EL1 20 1,817,501 5205,886.01 50,1133 20 1,963,523 51,000.00 1,963,523 51,000.00 1,963,623			1				1				1				1	1.840			
Large Power (in - w/Dmd & Ret)		2007					-					-				-	-		-
Large Power Cin. w/Dmd & Rct, w/SbC EL2 9 60,637 596,394,33 \$0,0995 3 1,090,293 \$11,098,695 \$0,0000 \$1 4,000 \$47,895 \$10,000 \$47,895 \$10,000 \$40,000 \$47,895 \$10,000 \$40,000 \$47,895 \$10,000 \$40,000 \$47,895 \$10,000 \$40,000	Total Commercial (3 Ph) w/Demand		246	1,773,327	\$232,423.80	\$0.1311	247	1,666,058	\$220,057.18	\$0.1321	249	1,692,931	\$225,100.84	\$0.1330	249	1,835,379	\$254,271.32	\$0.1385	24
Large Power (in - w/ShC ELZO 1 444,000 547,685,41 50,1079 1 471,600 550,751,07 50,1076 1 455,500 50,020,000 50,1076 1 455,600 552,765,25 50,134 Large Power (in - w/ShC ELZO 1 445,000 50,000 1 455,600 50,000 1 455,600 51,600,00 50,1959 Total Large Power (in - w/ShC ELZO 1 1 1,000,000 1	Large Power (In - w/Dmd & Rct)	EL1	20	1,817,901	\$205,936,91	\$0.1133	20	1,963,523	\$210,241.35		20	2,043,094			20				
Large Power (in - w/Dmd & Rct, w/SbCr) E.3 2 06.896 \$0.570.11 \$0.0986 2 00.319 \$16.169.72 \$0.1790 2 05.801 \$14.415.51 \$0.2547 2 80.064 \$15.693.06 \$0.1959 \$10.04317 \$138.267.19 \$10.0495 26 3.851.469 \$431,688.41 \$0.1121 \$10.04316 (in - w/Dmd & Rct, w/SbCr) Eit 1 982.995 \$596.691.73 \$0.0961 1 1.093.73 \$0.0965 1 1.020.923 \$10.927.73 \$0.0960 1 1.100.078 \$1093.73.41 \$0.0964 \$10.00507 \$12 1 726.520 \$72.152.25 \$0.0960 1 7.005.277 01 \$0.0964 \$1.005.727 01 \$0.0965 \$1.005.727 01 \$0.005.72	Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	3	969,637	\$96,304.33	\$0.0993	. 3	1,045,153	\$100,795.15	\$0.0964	3	1,039,022	\$101,982,44		3				
Total Large Power 26 3,328,433 5399,596.76 50.091 26 3,579,595 5377,956.29 50.059 26 3,604,317 5385,871.9 50.099 26 3,814,688.41 50.1121 Indiustrial (in - wiDmd & Rict, NeiShCr) Etc 1 992,995 596,681.73 50.0994 1 1,108,376 5103,727.01 50.0956 1 1,020,922 396,972.73 50.0950 1 1,100,0778 5109,317.34 50.0994 Indiustrial 2 1,729,515 5168,833.98 50.0976 2 1,884,536 5178,720.00 50.0964 1 8,84,510 376,206.99 50.0937 1 875,006 586,337.35 50.0989 Interdepartmental (in - No Dmd) ED1 9 48,986 56.092.77 50.1239 9 47,900 55,977.07 50.1246 11 30,233 \$4.061.10 50.1343 11 40,777 55,716.66 50.1402 interdepartmental (in - WiDmd) ED2 2 77 62,880 37,390.00 30,1381 27 55,006 576,371 30,1946 2 375 572.51 50.1940 ED2 2 77 62,880 37,390.00 30,1381 27 55,006 576,371 30,1946 2 375 572.51 50.1940 ED3 11 247,163 531,5417 1 30,1276 11 235,246 522,667.00 30,1275 1 125,351 526,002.21 51,785,570 51 51,785,57 50.0940 Interdepartmental (in - WiDmd) ED2 2 77 62,880 37,390.00 30,1381 27 55,006 576,371 30,1275 1 125,351 526,002.21 51,785,570 51,785,57 51 50,1940 2 2 5,665 51,785,770 51,7	Large Power (Out - w/Dmd & Rct. w/SbC	EL2O	1	444,000	\$47,885.41	\$0.1079	- 1		\$50,751.07		1				1				
Indivisitis (in - w/Dmd & Rist, w/SbCr)	Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	96.895	\$9,570.11	\$0.0988	- 2	90.319	\$16,168.72	\$0.1790	2	56.601	\$14,415.51	\$0.2547	2	80.064	\$15,683.06	\$0.1959	- 1
Industrial (in - w/Dmd & Rct, w/SbCr) Et 1 982.995 996.681.73 50.0914 1 1,108.376 5103,727.01 50.0936 1 1,026.923 596.972.73 50.0950 1 1,100.078 5107,317.34 50.0994 Industrial (in - w/Dmd & Rct, No/SbCr) Et 2 1,726.525 50.0980 1 786.600 574.592.99 \$0.0954 1 834.510 578.206.94 \$0.0937 1 875.036 \$86.537.35 \$0.0989	Total Large Power		26	3,328,433	\$359,696.76	\$0,1081	26	3,570,595	\$377,956.29	\$0,1059	26	3,604,317	\$385,267.19	\$0.1069	26	3,851,469	\$431,668.41	\$0.1121	2
Interdepartmental (in - No Dmd) ED1 9 48.986 \$6.099.77 \$0.1239 \$1.894.536 \$178,729.00 \$0.0943 \$2 \$1.855,433 \$175,179.67 \$0.0944 \$2 \$1.975,5114 \$195,854.69 \$0.0992 \$1.894,536 \$178,729.00 \$0.0943 \$2 \$1.855,433 \$175,179.67 \$0.0944 \$2 \$1.975,5114 \$195,854.69 \$0.0992 \$1.894,536 \$178,729.00 \$0.0943 \$2 \$1.855,433 \$175,179.67 \$0.0944 \$2 \$1.975,5114 \$195,854.69 \$0.0992 \$1.894,536 \$178,729.00 \$0.0943 \$2 \$1.855,433 \$175,179.67 \$0.0944 \$2 \$1.975,5114 \$195,854.69 \$0.0992 \$1.894,536 \$178,729.00 \$0.0943 \$2 \$1.855,433 \$175,179.67 \$0.0944 \$2 \$1.975,5114 \$195,854.69 \$0.0992 \$1.894,536 \$1.994 \$1.994,536 \$1.994 \$1.994,536 \$1.994,536 \$1.994 \$1.994,536	- 10	CH.		902.005	506 691 73	E0 0074		7 100 126	\$103 727 01	\$0,0006		1 020 923	896 972 73	\$0.0950	١,	1.100.078	\$109.317.34	\$0.0994	
Interdepartmental (in - No Dmd) ED1 9 48,966 \$6,099.77 \$0.1239 \$ 47,900 \$5,970.07 \$0,1246 11 30.233 \$4,061.10 \$6,1343 11 40.778 \$5,716.66 \$0.1402 interdepartmental (Du1 - w/Dmd) ED2 2 279 \$57.06 \$0.2242 2 380 \$74.54 \$0.1946 2 375 \$73.51 \$0.1960 2 566 \$102.15 \$0.1805 interdepartmental (in - No Dmd) ED2 2 77 \$0.1805 \$73.04.00 \$0.1236 2 2 380 \$74.54 \$0.1946 2 375 \$73.51 \$0.1960 2 566 \$102.15 \$0.1805 interdepartmental (in - No Dmd) ED2 2 77 \$0.1805 \$73.04.00 \$0.1331 27 \$55.096 \$73.563.78 \$0.1973 27 26.820 \$3.865.13 \$0.1407 28 25.027 \$5.1874.7 \$0.1575 \$0.1575 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.000			1				- 1				1				. 1				
Inter-departmental (Out - w/Dmd) ED20 2 249 \$57.06 \$50.252 2 36.0 \$57.06 \$60.222 2 36.0 \$57.06 \$60.225 \$60.000 \$7.65.06 \$7.06.00 \$7.06.00 \$7	Total Industrial		2	1,729,515	\$168,833.98	\$0.0976	2	1,894,536	\$178,720.00	\$0.0943	2	1,855,433	\$175,179.67	\$0.0944	2	1,975,114	\$195,854.69	\$0.0992	
Inter-departmental (Out - w/Dmd) ED20 2 249 \$57.06 \$50.252 2 36.0 \$57.06 \$60.222 2 36.0 \$57.06 \$60.225 \$60.000 \$7.65.06 \$7.06.00 \$7.06.00 \$7	landa de la Rec	CO.		49 000	\$6.000 WY	EQ 1000	- 6	47.000	\$6,070.00	80 1045		20.222	84.001.10	50 1242	- 11	40.779	\$5.716.66	50 1402	
Inter-departmental (in - w/Dmg) ED2 27 52 889 \$7.304.00 \$0.1373 27 55.006 \$7.565.76 \$0.1373 27 28.820 \$3.855.15 \$9.1437 28 25.007 \$3.78747 \$9.1515 1 126.507 \$1.47163 \$3.951.47 \$3.951.47 \$3.95			9				- 9				111				1 1				_
Interdepartmental (Sheet Lights)	Interdepartmental (Out - w/Dmd)		2				- 2				1 2				- 4				1
Netrologistmential (Street Lights)	Interdepartmental (in - w/Dmd)																		3
Interdepartmental (Traffic Signals) EDTS 9 1.574 \$10.53 \$40.0005 9 1.683 \$155.62 \$0.00025 9 1.459 \$154.83 \$0.0005 9 1.470 \$158.12 \$0.0005 \$1.470 \$1.470 \$158.12 \$0.0005 \$1.470 \$1.47			- 11												1				
Generators (JVP Power Ceel Only) GJVZ 1 22.929 3567.95 \$0.0248 1 22.929 3567.95 \$0.0248 1 19.731 5666.32 \$0.0258 1 16.343 \$476.69 \$0.0292 Generators (JVP Power Ceel Only) GJVS 1 14.121 5349.79 \$0.0248 1 23.658 5206.35 \$0.0256 1 12.430 5419.76 \$0.0338 1 116.74 \$346.48 \$0.0292 Generators (JVP Power Ceel Only) GJVS 1 14.121 5349.78 \$0.0248 1 23.658 529.17 \$0.0265 1 12.430 5419.76 \$0.0338 1 116.74 \$346.48 \$0.0292 GJVS 1 12.430 5419.76 \$0.0338 1 116.74 \$346.48 \$0.0292 GJVS 1 12.430 5419.76 \$0.0338 1 116.74 \$346.48 \$0.0292 GJVS 1 12.430 5419.76 \$0.0338 1 116.74 \$346.48 \$0.0292 GJVS 1 12.430 5419.76 \$0.0338 1 116.74 \$346.48 \$0.0292 GJVS 1 12.430 5419.76 \$0.0338 1 116.74 \$346.48 \$0.0292 GJVS 1 12.430 5419.76 \$0.0338 1 116.74 \$346.48 \$0.0292 GJVS 1 12.430 5419.76 \$0.0338 1 116.74 \$346.48 \$0.0292 GJVS 1 12.430 5419.77 \$0.0292 GJVS 1 12.430 5419			7								1 /				1				
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Total Interdepartmental 67 459.973 \$51,899.46 \$0.1151 67 442,083 \$59,305.00 \$0.1130 69 368,469 \$43,109.44 \$0.1170 70 285,905 \$33,841.07 \$0.1184 \$0.000 11,283,158 \$1,325,250.84 \$0.1175 5,878 11,866,976 \$1,372,960.83 \$0.1155 5,891 10,893,162 \$1,266,553.37 \$0.1163 5,900 12,226,025 \$1,465,569.57 \$0.1215 5,100			1								1								
SUB-TOTAL CONSUMPTION & DEMAND 5,869 11,283,158 51,325,259,56 50,000 14 3.877 530.60 50,000 2 0 51.91 50,0000 2 0 51.91 50,0000 2 0 51.91 50,0000 2 0 515.91 50,0000 16 6 515.34 50,0000 16 515.34 50,0000 16 515.34 50,0000 16 6 515.34 50,0000 17 516.34 50,0000 17 516.34 50,0000 17 516.34 50,0000 18 516.34 516.34 50,0000 18 516.34 50,000				-					-	-	-	-			_	-			_
Street Lights (in) SLO 13 0 \$13.28 \$0.0000 14 3.877 \$30.60 \$0.0000 2 0 \$13.44 \$0.0000 14 0 \$13.45 \$0.0000 2 0 \$19.15 \$0.0000 2 0 \$19.15 \$0.0000 2 0 \$19.15 \$0.0000 2 0 \$19.15 \$0.0000 2 0 \$19.15 \$0.0000 2 0 \$19.15 \$0.0000 2 0 \$19.15 \$0.0000 2 0 \$19.15 \$0.0000 2 0 \$19.15 \$0.0000 2 0 \$19.15 \$0.0000 2 0 \$19.15 \$0.0000 2 0 \$19.15 \$0.0000 2 0 \$19.15 \$0.0000 2 0 \$19.15 \$0.0000 2 0 \$19.15 \$0.0000 2 0 \$19.15 \$0.00000 \$0.0000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0.00000 \$0	Total Interdepartmental		67	450,973	\$51,899.46	\$0.1151	67	442,083	\$50,305.00	\$0.1138	69	368,469	\$43,109.44	\$0.1170	70	285,905	\$33,841.07	\$0.1184	7
Street Lights (Out) SLOO 2 0 5192 \$0,0000 2 0 5191 \$0,0000 2 0 5192 \$0,0000 2 0 5191 \$0,0000 Total Street Light Only 15 0 \$15.20 \$0,0000 16 3,877 \$32.51 \$0,0004 16 0 \$15.36 \$0,0000 16 0 \$15.34 \$0,0000	SUB-TOTAL CONSUMPTION & DEMAN	D	5,869			\$0.1175				\$0.1155	5,891			\$0.1163	5,900			\$0.1215	5,90
Street Lights (Out) SLOO 2 0 5192 \$0,0000 2 0 5191 \$0,0000 2 0 5192 \$0,0000 2 0 5191 \$0,0000 Total Street Light Only 15 0 \$15.20 \$0,0000 16 3,877 \$32.51 \$0,0004 16 0 \$15.36 \$0,0000 16 0 \$15.34 \$0,0000	Stread Linhte /In)	StO	49		\$12.20	50.0000		2 522	\$30.60	\$0.0000	**		612.44	50,0000			812.42	50.0000	
			2	Ö			2	0			2	0	# 7 to 7 A 7		2	0			,
TOTAL COMPUNITOR IN COMPUNITOR	Total Street Light Only		15		\$15.20	\$0.0000	16	3,877	\$32.51	\$0.0084	16	0	\$15.36	\$0.0000	16		\$15.34	\$0.0000	1
	TOTAL CONSUMPTION & DEMAND		5.884	11 283 158	\$1,325,266.04	\$0.1175	5,890	11.890.853	\$1,373,013.34	\$0.1155	5.907	10,893,182	\$1,266,568,73	\$0,1163	5.916	12.226.025	\$1,485,584.91	50 1215	5,91

2018 - OCTOBER BILLING WITH AUGUS	* ***												
	1 2018 A												
Class and/or	Rate	Aug-18	Aug-18	Cost / kWH	Sep-18	Sep-18	Sep-18	Cost / kWH	TOTAL KWH USEAGE	TOTAL BILLING	Avg.Cost Per kWH	Avg.Num. of Bills	Avg.Per.% 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	3,151,485	\$400,929,74	\$0,1272	3,350	3.081.597	\$381,317,28	\$0.1237	27,242,817	\$3,367,468.95	\$0.1236	3,338	56.5414%
Residential (Dom-In) w/Ecosmart	E1E	6,640	\$850.61	\$0.1281	B	6,146	\$768.44	\$0.1250	55,835	\$6,999.07	\$0.1254	3,330	0.1411%
Residential (Dom-In - All Electric)	E2	481,142	\$61,772.51	\$0.1284	612	480.532	\$59,991.48	\$0.1248			\$0.1234	0	
Res (Dom-In - All Elec.) w/Ecosmart	E2E	809	\$103,78		012	944			6.279,468	\$763,046.58		605	10.2514%
Nes (Dom-in - All Elec.) W/Ecosman	626	OUN	\$103.76	\$0.1283		994	\$116.65	\$0,1236	6,848	\$858.33	\$0.1253	- 1	0.0169%
Total Residential (Domestic)		3,640,076	\$463,656.64	\$0.1274	3,971	3,569,219	\$442,193.85	\$0.1239	33,584,968	\$4,138,372.93	\$0.1232	3,953	66.9508%
Residential (Rural-Out)	ER1	895.059	\$120,261,79	\$0,1344	785	891.997	\$116,624.29	50.1307	9,287,215	\$1,201,567,12	\$0.1294	777	13.1674%
Residential (Rural-Out) w/Ecosmart	ER1E	3,437	\$471.60	\$0.1372	4	3,606	\$479.65	50.1330	35,674	\$4,740.43	\$0.1329	- 111	0.06779
Residential (Rural-Out - All Electric)	ER2	463,633	\$61,942.20	\$0.1336	373	461.395	\$50,978.41	\$0.1300	5,391,974	\$688,043.62	\$0.1276	375	6.35585
Res. (Rural-Out - All Electric) w/Ecosman	ER2E	2,196	\$295.76	\$0.1347	200	2,179	\$205.67	50.1311	27,516	\$3,523.13	\$0.1270	3/3	
Residential (Rural-Out w/Dmd)	ER3	16,508	\$2,231.69	\$0,1352	16	22,592	52,012,12	\$0.1289	505.676			16	0.03395
Residential (Rural-Out - All Electric w/Om	ER4	9,150	\$1,238.53	\$0.1354	16	9,780	\$1,281.92	\$0.1289	144,769	\$61,467,01 \$18,201.30	\$0.1215 \$0.1257	16	0.2710%
	Lines	-				-		100000		***************************************			
Total Residential (Rural)		1,389,983	\$186,441.57	\$0.1341	1,189	1,391,549	\$181,562.06	\$0.1305	15,393,024	\$1,977,542.61	\$0.1285	1,184	20.0483%
Commercial (1 Ph-In - No Dmd)	EC2	35,297	\$5,773.50	\$0.1636	73	38.745	\$6,108.85	\$0.1577	431,525	\$67,653,71	\$0.1568	73	1,2421%
Commercial (1 Ph-Out - No Dmd)	EC2O	7.870	\$1,668.23	\$0.2120	48	7.906	\$1,644.36	\$0.2080	101,688	\$20,360.16	\$0.2002	48	0.8130%
Total Commercial (1 Ph) No Dmd		43,167	\$7,441.73	\$0,1724	121	46,651	\$7,753.21	\$0.1662	533,213	\$88,013.87	\$0.1651	121	2.0551%
	-		******							2000-00-00	2000		1000//
Commercial (1 Ph-In - w/Demand)	EC1	348,059	\$54,469.26	\$0,1565	262	398,500	\$59,217.68	\$0.1486	3,871,921	\$580,820.62	\$0.1500	261	4.4122%
Commercial (1 Ph-Out - w/Demand)	EC10	46.585	\$6,646.59	\$0.1427	25	52,396	\$7,170.55	\$0,1369	562,050	\$76,457.76	\$0,1360	25	0.4248%
Total Commercial (1 Ph) w/Demand		394,644	\$61,115.85	\$0.1549	287	450,896	\$66,388.23	\$0.1472	4,433,971	\$657,278.38	\$0.1482	286	4.8370%
Commercial (3 Ph-Out - No Dmd)	EC40	40	\$41.55	\$1,0388	2	40	\$41,40	\$1,0350	50,520	\$7,018.55	\$0,1389	2	0.0339%
Total Commercial (3 Ph) No Dmd		40	\$41.55	\$1,0388	2	40	\$41.40	\$1.0350	50,520	\$7,018.55	\$0,1389		0.0339%
					(200			-					
Commercial (3 Ph-In - w/Demand)	EC3	1,726,146	\$237,768.88	\$0.1377	205	1,852,442	\$246,545.64	\$0,1331	17,683,729	\$2,336,312.51	\$0.1321	206	3.4806%
Commercial (3 Ph-Out - w/Demand)	EC3O	280,489	\$40,004.85	50.1426	37	302,193	541,843.55	\$0.1385	3,973,122	\$526,928.29	\$0.1326	37	0.6309%
Commercial (3 Ph-Out - w/Dimd &Sub-St.	E3SO	123,520	\$15,953.58		- 3	126,360	\$15,879.18	\$0.1257	1,437,160	\$176,991.28	\$0.1232	3	0.05085
Commercial (3 Ph-In - w/Demand, No Tal	EC3T	5.400	1755.48	\$0,1399	1	8,883	\$1,126.29	\$0,1268	41,520	\$5,871.24	\$0.1414		0.0169%
Total Commercial (3 Ph) w/Demand		2,135,555	\$294,482.79	\$0.1379	246	2,289,875	\$305,394.66	\$0.1334	23,135,531	\$3,046,103.32	\$0.1317	247	4.1793%
Large Power (In - w/Dmd & Rct)	EL1	2,304,703	\$260,458.58	\$0.1130	20	2,452,238	\$263,428,77	\$0.1074	25,328,572	\$2,741,908,18	\$0.1083	20	0.3387%
Large Power (in - w/Dmd & Rct, w/SbCr)	EL2	1,044,331	\$109,898.03		- 3	1,127,543	\$111,927.95	\$0.0993	12,441,640	\$1,225,722.21	\$0.0985	3	0.0508%
Large Power (Out - w/Dmd & Rct, w/SbC	EL2O	433,200	\$51,043,Q8		1	507,600	\$54,558.29	\$0.1075	5,786,400	\$611,781,67	\$0,1057	1	0.01695
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	80.568	515,820,11		-	80,800	\$13,357.94	\$0.1653	1,043,640	\$149,627.32	\$0.1434	2	0.03395
Large Fower (III - wichie a rici, wisoury	ELS	00,000	213,020,11	30.1004		00.000	315,357.59	20.1900	1,043,040	3143,627,32	30,1434		0.00333
Total Large Power		3,862,802	\$437,219.80	\$0.1132	26	4,168,181	\$443,272.95	\$0.1063	44,600,252	\$4,729,039.38	\$0.1060	26	0.4404%
Industrial (In - w/Dmd & Rct, w/SbCr)	B1	1.045.201	\$104,999.65	\$0,1005	- 1	1,140,164	\$108,239.67	\$0.0949	12.636.262	\$1.192.424.09	\$0.0944		0.0169%
Industrial (In - w/Dmd & Rct, No/SbCr)	El2	974,860	\$86,734.40	\$0.0991	1	916,506	\$87.069.32	\$0.0950	9.491.206	\$919,642.65	\$0.0969	1	0.01691
Total Industrial		1,920,061	\$191,725.05	\$0.0999	2	2,056,670	\$195,308.99	\$0.0950	22,127,468	\$2,112,066,74	\$0.0954	-	0.03395
rotar armostriar		1,320,761	#191,723.03	30.0393	- 4	2,050,010	\$102,500.00	\$0.0350	22,121,400	32,112,000,14	40.0934	- 1	0.03393
Interdepartmental (In - No Dmd)	ED1	48,331	\$6,660.05	\$0.137B	10	48,027	\$6,417,77	\$0.1336	532,035	\$68,649.98	\$0.1290	10	0.1623%
Interdepartmental (Out - w/Dmd)	ED2O	670	\$117,07	\$0.1747	2	588	\$103.55	\$0,1761	4,550	\$895.58	\$0.1968	2	0.03399
Interdepartmental (In - w/Dmd)	E02	24,525	\$3,763.69		29	23,590	\$3,536.12	\$0.1499	512.023	\$71,614.25	\$0.1399	28	0.47579
Interdepartmental (3Ph-In - w/Dmd)	ED3	146,015	\$19,879.21		10	154,527	\$20,179.18		2,508,190	\$317,785.44	\$0.1267	11	0.18491
Interdepartmental (Street Lights)	EDSL	63.071	\$5,865,70		7	63.071	\$5,868.82		756,660	\$70,339.03	\$0.0930	7	0.11869
Interdepartmental (Traffic Signals)	EDTS	1.455	\$134.54		- 0	1,615	\$149.33		19.960	\$1,847.43		9	0.14965
Generators (JV2 Power Cost Only)	GJV2	13.628	\$354.19		- 1	14,354	\$311.19		254.678	\$6,187.20	50.0243	- 7	0.01695
Generators (JV5 Power Cost Only)	GJV5	3,327	\$86.47		- 1	6,673	\$144.67	\$0.0217	149,320	\$3,660.01	\$0.0245	1	0.01691
Total Interdepartmental		301,022	\$36,860.92	\$0.1225	68	312,445	\$36,710.63	\$0.1175	4,737,436	\$540,978.92	60.1143	68	4 45000
							-	-	***********	-	\$0.1142	********	1.15885
SUB-TOTAL CONSUMPTION & DEMAND)	13,687,350	\$1,678,985.90	\$0.1227	5,912	14,285,526	\$1,678,625.98	\$0.1175	148,596,383	\$17,296,414.70	\$0.1164	5,889	99,7375%
	- W. T.						227		7,000				
Street Lights (In)	SLO	0	\$13,58	\$0.0000	14	0	\$13,44	\$0.0000	3.877	\$177.46	\$0.0458	14	0.22875
Street Lights (Out)	SLOO	0	\$1.92	\$0.0000	2	0	\$1.91	\$0.0000	0	\$22.98	\$0.0000	2	0.03395
Total Street Light Only		0	\$15.50	\$0.0000	16	0	\$15.35	\$0.0000	3,877	\$200.44	\$0.0517	16	0.26251
TOTAL CONSUMPTION & DEMAND		13,687,350	\$1,679,001.40	\$0.1227	5,928	14,285,526	\$1,678,641.33	\$0.1175	148,600,260	\$17,296,615.14	\$0.1164	5,904	100.00003



255 West Riverview Avenue • P.O. Box 151 Napoleon, Ohio 43545-0151 Phone: (419) 592-4010 • Fax: (419) 599-8393

Web Page: www.napoleonohio.com

City of NAPOLEON, Ohio Memorandum

To: Napoleon City Council and Mayor Napoleon Board of Public Affairs

From: Joel Mazur, City Manager

Date: 9/14/2018

Subject: AMP Peak Shaving Project Subscription

Mayor Jason Maassel

Members of Council

PRESIDENT: Joseph Bialorucki

PRESIDENT PRO-TEM: Daniel Baer

Ieff Comadoll Travis B. Sheaffer Kenneth Haase **Ieff Mires** Lori Siclair

City Manager Joel L. Mazur

Finance Director Gregory J. Heath

Law Director Billy D. Harmon

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

Attached is the presentation that will be given at the AMP annual conference later this month regarding an AMP Peak Shaving project. AMP is seeking commitments from communities that would like to be a part of the project. We are already participants in the JV2 and JV5 projects that involve peak shaving generation.

I discussed this project with an AMP staff member early in the project development stages. At the time, this individual didn't think Napoleon needed any additional peak shaving generation. I discarded the thought of getting Napoleon involved in this project based on the two conversations I had. Since the first deadline for the subscription to get into the project is due on November 1st, I checked again with AMP staff members in the Power Supply section to make sure that we didn't need to get involved. They informed me that it would be beneficial for Napoleon to get involved in this project, but that Napoleon should not install any generating units behind our meter since we have a large amount of peak shaving generation behind our meter already. In addition to the November 1st deadline, there is another deadline of March 1st to commit to the project. Committing to this deadline would delay the participation and benefits of the project by one year, but Napoleon would still receive the benefits of being a participant long-term.

After reviewing the data, the City of Napoleon can benefit from participating in this project. The benefits for Napoleon would be to gain capacity and transmission credits for generating electricity during peak hours. The project debt service would last for the first ten (10) years and have a marginal savings to our rate payers during that time. After the debt is paid off, the savings become more meaningful, upwards of \$6 per MWH according to Mike Migliore. The recommendation is for Napoleon to only subscribe for up to 6.9 MW.

Attached is the draft legislation that would need to be passed by City Council as a requirement of AMP for Napoleon to be a participant. I am recommending that the City of Napoleon commit to a minimum of 4 MW of power as a participant in this project. This would not commit Napoleon to the full amount of peaking capacity, allow the City to get involved in future projects that could involve newer technology and would give the City enough cushion to absorb any large losses of load, if that were to happen.



RICE Peak Shaving Project Update



Project Overview

- Behind the Meter Peak Shaving project
 - Designed to address rising capacity and transmission costs
- Fixed price turnkey project with proposed 10 year financing
 - Reciprocating Internal Combustion Engines
 - Factory Certified Diesel generators that meet all Tier IV EPA requirements
- PowerSecure was selected, through RFP process, to provide EPC of diesel generation units with a firm, notto-exceed pricing for the construction of each site



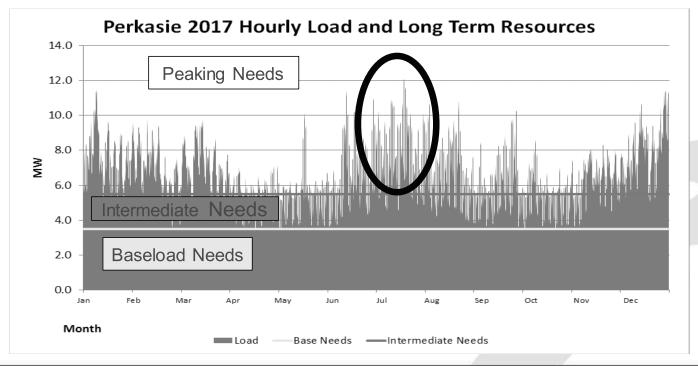
Uses of Behind the Meter Generation

- Transmission Peak Shaving
 - Operation of Unit during Transmission Zone's peak hour
- Capacity Peak Shaving
 - Operation of Unit during PJM's five highest peak hours
- Energy Hedge
 - Operation of Unit during high price market hours



Energy Hedge

 Members can utilize peaking capacity to hedge against market purchases to supply load or to backup other generation resources.



PowerSecure Generation Technology

Volvo Diesel Engines

- Tier IV EPA compliant technology
 - No other testing is required
 - EPA Certificate of Conformity with the Clean Air Act
- PowerBlock product
 - 540 kW per engine of prime rating generation
- 3-5 engines per PowerBlock
- Estimated 50 hours per year of operation for peak shaving
 - Permitted for 500 hours per year
- Approximately 25-30 year life of units



PowerSecure Generation

The PowerBlock® Advantage

- Fully Modular & Scalable
- Factory tested as a system
- Pre-wired for minimal on-site construction and configuration
- US patented





Construction and Operations

PowerSecure will provide FIXED PRICE turnkey cost to construct, install and maintain diesel generation

This locks in 90% of Project Fixed costs

- AMP Energy Control Center will dispatch units
- PowerSecure will monitor all units and serve as a secondary point for dispatch
- PowerSecure will provide a 10 year warranty (included in the Maintenance Costs)



Existing Member PowerSecure Locations

Bedford, VA

Berlin, PA





2.7 MW POWERBLOCK (5 – 540 kW engines)

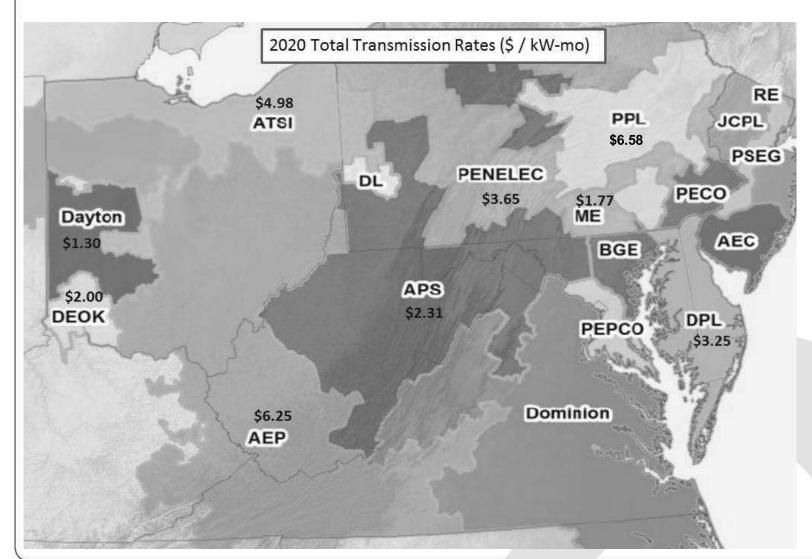
Two - 1.6 MW POWERBLOCKS (6 – 540 kW engines)

al Power, Inc.

Peak Shaving Project Recommendation

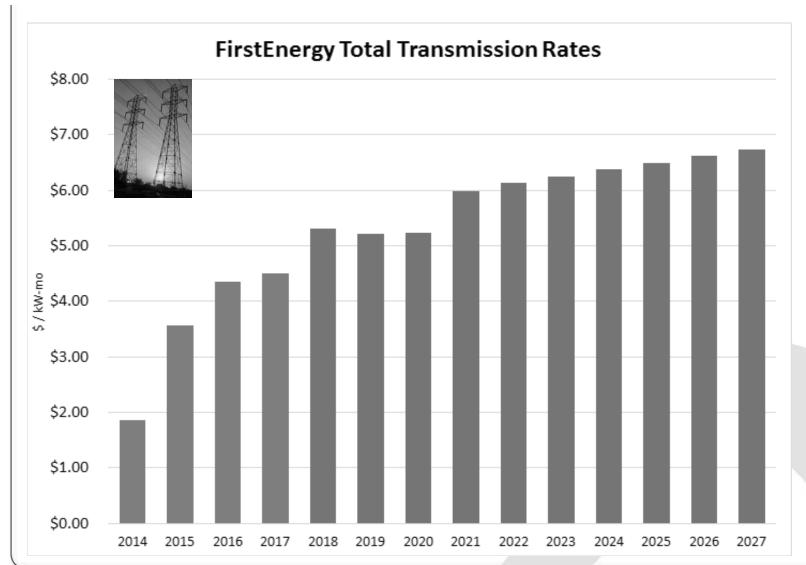
Member			
	<u>MW</u>	<u>Weight</u>	Rec
Transmission Needs	31.1	33%	10.300
Capacity Needs	13.7	50%	6.900
Peaking Energy Needs	10.9	66%	7.200
Peaking Project Recommendation			6.900





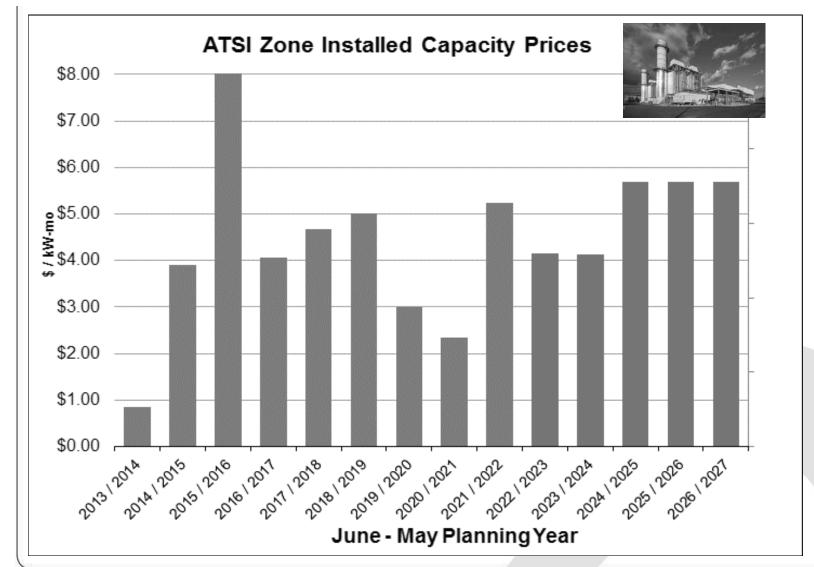
American Municipal Power, Inc.





American Municipal Power, Inc.





American Municipal Power, Inc.



Project Construction Costs

Power Secure	Total Capacity (kW)	EPC Costs	AMP Costs	Contingency	Total Construction Cost	Total \$/kW
_	15,120	\$ 11,027,605	\$ 202,413	\$ 1,102,761	\$ 12,332,779	\$ 816

- Total EPC Costs includes interconnection costs
- AMP Costs include: Environmental, IT/Communication, Project Management, Accounting, Legal
- Contingency is 10% of the EPC Cost

10 yr Financing Cost					20 yr Finan			
Inte	erest Cost	All-In Costs		ll-In W-mo	Int	erest Cost	All-In Costs	ll-In W-mo
\$	2,650,828	\$ 14,983,607	\$	8.26	\$	5,603,432	\$ 17,936,211	\$ 4.94

All-In Costs are the sum of the Construction Costs and Interest Costs

4% interest rate

BUSINESS CONFIDENTIAL

American Municipal Power, Inc.



13

Project Cost per kW-month

10 yr Financing Cost					20 yr Financing Cost						
	ll-In W-mo		nt Cost (W-mo)		tal Cost kW-mo)		All-In kW-mo		aint Cost kW-mo)		otal Cost /kW-mo)
\$	8.26	\$	1.55	\$	9.81	\$	4.94	\$	1.90	\$	6.84

- All-In Costs are the sum of the Total Construction Costs and Financial Costs
- Maintenance cost include the Maintenance & Monitoring Agreement with PowerSecure and AMP costs for dispatch, IT support, insurance and project management

14

AMP

Estimated Net Cost of Peak Shaving Project

2020 - 2030

- AMP Peak Shaving Project = \$9.81 / kW-mo
- Transmission savings = (\$6.76 / kW-mo)
- Capacity savings = (\$4.91 / kW-mo)
- Net Savings from Project (\$1.86 / kW-mo)

2031 - 2040

- AMP Peak Shaving Project = \$1.90 / kW-mo
- Transmission savings = (\$8.46 / kW-mo)
- Capacity savings = (\$5.70 / kW-mo)
- Net Savings from Project (\$12.26 / kW-mo)

AMPARTHERS OF

Project Plan

- Project will be formed on or about November 1, 2018
- Project Participants will be based on executed power sales contracts received by that date
- Participants will decide on order of sites to be installed by June 1, 2019
- Participants will be added to Project on or about March 1, 2019 based on additional executed power sales contracts received
- Participants will decide on order of sites to be installed by December 1, 2019
- Additional Participants may be added with approval of the Participants



Project Plan (continued)

- Demand Response revenue will begin on June 1, 2019
 - For units installed by June 1, 2019
- Transmission peak shaving revenue will begin on Jan 1, 2020
 - For units installed by June 1, 2019
- Capacity peak shaving revenue will begin on June 1, 2020
 - For units installed by June 1, 2019
- Demand response revenue will begin on June 1, 2020
 - For units installed by June 1, 2020
- Transmission peak shaving revenue will begin on Jan 1, 2021
 - For units installed by December 1, 2019 and June 1, 2020
- Charges to members will be staggered to coincide with revenues



Near-Term Next Steps

AMP/PowerSecure to perform site evaluations

PowerSecure to develop site proposals

End subscription process(Stage I)

 Execution of lease and interconnection agreements

Notice to Proceed to PowerSecure

End subscription process (Stage II)

Construction (Stage I) Completion*

Construction (Stage II) Completion*

June - August, 2018

July - Sept, 2018

November 1, 2018

November 10, 2018

November 10, 2018

March 1, 2019

May 31, 2019

November 1, 2019



^{*} Construction is to start once subscription has been complete

MK DRAFT AS OF 05/24/18 ALL MEMBERS EXCEPT PENNSYLVANIA

Pertaining to AMP Contract No.

OF	,
(ORDINANCE OR RESOLUTION) NO	

TO APPROVE THE FORM AND AUTHORIZE THE EXECUTION OF A POWER SALES CONTRACT WITH AMERICAN MUNICIPAL POWER, INC. AND TAKING OTHER ACTIONS IN CONNECTION THEREWITH REGARDING PARTICIPATION IN THE AMP R.I.C.E. PEAKING PROJECT

WHEREAS,	the _		of				,				
("hereinafter Municip	ality") o	wns and	operates	an ele	ectric	utility	system	for t	the	sale	of
electric power and as	ssociated	d energy	for the bei	nefit of	f its cit	tizens	and tax	paye	ers;	and	

WHEREAS, in order to satisfy the electric power and energy requirements of it electric utility system, Municipality has heretofore purchased, or desires to do so in the future, economical and reliable power and energy from, or arranged by, American Municipal Power, Inc. (hereinafter "AMP"), of which Municipality is a Member; and

WHEREAS, Municipality, acting individually and, along with other municipalities which own and operate electric utility systems, jointly, endeavors to arrange for reliable, reasonably priced supplies of electric power and energy for ultimate delivery to its customers; and

WHEREAS, it is efficient and economical to act jointly in such regard; and

WHEREAS, AMP is an Ohio nonprofit corporation, organized to own and operate facilities, or to provide otherwise, for the generation, transmission or distribution of electric power and energy, or any combination thereof, and to furnish technical services on a cooperative, nonprofit basis, for the mutual benefit of its Members, such Members, including the Municipality, being, and to be, political subdivisions of their respective states that operate, or whose members operate, electric systems in, as of the date of adoption hereof, Delaware, Indiana, Kentucky, Maryland, Michigan, Ohio, Pennsylvania, Virginia and West Virginia; and

WHEREAS, each of the Members owns and operates its electric system for the benefit of its customers; and

WHEREAS, certain of the Members, including the Municipality, have determined it requires additional, long-term sources of reliable, environmentally sound and reasonably priced electric capacity and energy and has requested that AMP arrange for the same; and

WHEREAS, in furtherance of such purpose, Municipality, along with other Members (collectively "Participants") request and AMP agrees and intends to finance, construct, operate and own certain reciprocating internal combustion engine systems, to be known collectively as the American Municipal Power R.I.C.E. Peaking Project (as hereinafter defined, "AMP R.I.C.E. Peaking Project"); and

WHEREAS, AMP has resolved, in accordance herewith, to develop, including, as appropriate, the financing, acquisition, construction, ownership and operation of, and arrangements for the acquisition, financing, payment and prepayment of fuel for, its ownership interest in the AMP R.I.C.E. Peaking Project (the "Project") as well as other arrangements related thereto, which AMP and, in certain cases, the Participants, deem necessary to enable AMP to fulfill its obligations hereunder to sell and transmit, or otherwise make available, electric capacity and energy to the Participants pursuant to the AMP R.I.C.E. Peaking Project Power Sales Contract (hereinafter "PSC"); and

WHEREAS, in order to obtain such sources of electric capacity and energy, the Participants are willing to pay AMP for their respective rights to such electric capacity and energy and transmission service at rates that are sufficient, but only sufficient, to enable AMP to (i) recover all costs and expenses incurred with respect to, and arrangements for the acquisition, financing, payment and prepayment of fuel for, the Project as set forth herein, all other Power Sales Contract Resources obtained by AMP to supplement the Project, and related service arrangements undertaken by AMP to enable it to fulfill its obligations hereunder, and (ii) recover any other expenditures or revenues authorized hereunder.

NC	ΟW,	THEREFO	RE,	BE IT	OR	DAINED	[RESOLV	/ED]	BY	THE	COU	NCIL
[BOARD	OF	PUBLIC	AFFA	AIRS]	OF	THE _		OF				
		:										

SECTION 1. That the PSC between Municipality and AMP, substantially in the form attached hereto as Exhibit 1 [or on file with the Clerk] including Appendices thereto is approved, and the (title of officer, e.g. Mayor, Manager or Director of Public Utilities) of Municipality is hereby authorized to execute and deliver such Power Sales Contract, with such changes as the (title of officer) may approve as neither inconsistent with this [ordinance or resolution] nor materially detrimental to the Municipality, his or her execution of the PSC to be conclusive evidence of such approval.

SECTION 2. That the <u>(title of officer)</u> is hereby authorized to acquire on behalf of the Municipality, as a Participant, as defined in the PSC, Power Sales Contract Resources (hereinafter "PSCR Share"), as defined in the PSC, without bid, from AMP and to execute and deliver any and all documents necessary to become a Participant in the AMP R.I.C.E. Peaking Project pursuant to the conditions set forth herein and in the PSC and to carry out its obligations thereunder.

SECTION 3. That it is further acknowledged and understood that because the Participants will finalize the precise PSCR Share to be acquired by each Participant electing to enter into the PSC after all such Participants execute and deliver the PSC, the (title of officer) in connection with the execution and delivery of the PSC, is authorized and directed to determine and acquire Municipality's PSCR Share (not taking into account the Step-Up as defined in the PSC), of up to a nominal amount of kilowatts, after consultation with AMP and the other Participants regarding the PSCR Share available pursuant to said PSC, such PSCR Share to be set forth in Appendix A of the PSC, such determination as to such PSCR Share being conclusively evidenced by the adoption of Appendix A to the PSC, as authorized therein.

SECTION 4. That the <u>(title of officer)</u> of this Municipality, as a part of such officer's official duties, is hereby appointed as Municipality's representative for any meetings or determinations of the Participants or the Participants Committee pursuant to the PSC and is authorized and directed, acting for, in the name of and on behalf of

this Municipality, to vote Municipality's PSCR Share with regard to any determinations regarding the AMP R.I.C.E. Peaking Project as set forth in the PSC.

SECTION 5. That the <u>(title of officer)</u> may appoint, in writing from time to time as necessary, another representative of the Municipality as his or her alternate to carry out the duties set forth in Section 4 hereof.

SECTION 6. That it is found and determined that all formal actions of this Council [Board] concerning and relating to the passage of this [ordinance or resolution] were taken in an open meeting of this Council [Board] and that all deliberations of this Council [Board] and of any committees that resulted in those formal actions were in meetings open to the public, in compliance with all legal requirements.

SECTION 7. If any section, subsection, paragraph, clause or provision or any part thereof of this [ordinance or resolution] shall be finally adjudicated by a court of competent jurisdiction to be invalid, the remainder of this [ordinance or resolution] shall be unaffected by such adjudication and all the remaining provisions of this [ordinance or resolution] shall remain in full force and effect as though such section, subsection, paragraph, clause or provision or any part thereof so adjudicated to be invalid had not, to the extent of such invalidity, been included herein.

SECTION 8. That this [ordinance or resolution] shall take effect at the earliest date allowed by law.

[Please contact AMP's Assistant Deputy General Counsel, Michael Kyser, at 614-540-0984 or via email at mkyser@amppartners.org to discuss any changes to this draft.)

4841-1922-0578, v. 4

Electric Department Report Sept. 2018

There were 9 outage callouts, 2 fire callouts, 1 gas leak calout and 1 water main break callout to perform locates.

Linemen /Service Truck: Crews rebuilt a pole line on Rd C in Fulton County. Crews worked on a rebuild on Short Street. Crews performed shut-offs for our billing department. Crews installed a replacement overhead to underground service on Garden Street. Three of the crew attended an equipment show in Columbus. Crews cleaned the shop and performed maintenance on trucks. Crews installed new service for JAC spec building. Linemen installed a new URD on Road M-1. Crews replaced a 3 phase pole on West Maumee west of Daggett Street. Linemen performed URD repair on Bordeaux. Crews straightened and replaced poles on Road U. The serviceman performed locates, light replacement and repairs, meter maintenance and completed work orders.

Substation Crews: Substation personnel performed monthly substation and generator checks. They are also assisting with writing a operating/maintenance agreement with AMP Inc. for Northside substation 138KV assets. They are also working with Grid Force to install new communication equipment at Northside substation. They have also been mowing Substations and testing infrastructure at Southside substation.

Tree Crew: They have been trimming and cutting trees on Short Street, Beckham Street, West Maumee, Wastewater signage along river to help Wastewater meet EPA requirements for visible signage, Road S, Road 11, Daggett Street, Rohrs, South Perry and East Riverview.

Storeroom/Inventory/Meter Reading: Shawn read meters, obtained inventory quotes, ordered inventory, cleaned and organized inventory. Mowed grass at Service building and helped crews as needed in field.

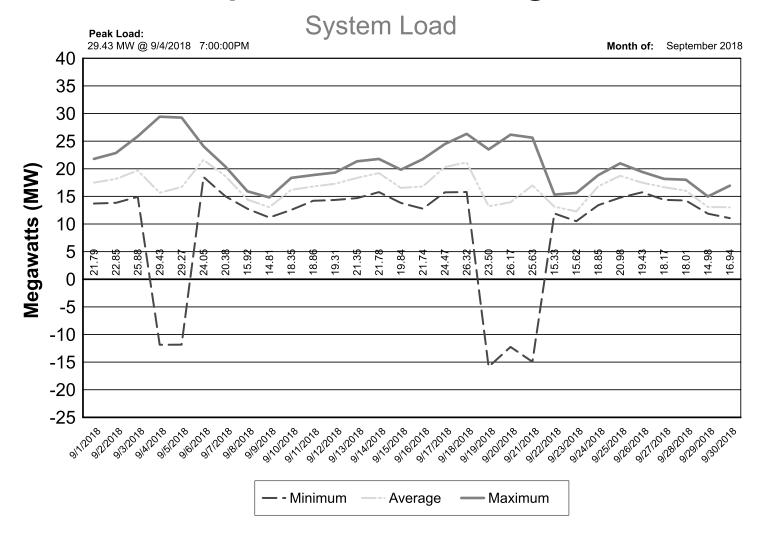
The **Peak Load** for **Septemb**er was 29.43 MW occurring on September 4th at 7:00 PM. This was an increase of .96 MW compared to September 2017. The JV2 ran for 2 days and produced 3.62 MW. The turbines ran 5 separate days and produced 752.51 MW.

AMP Solar Field:

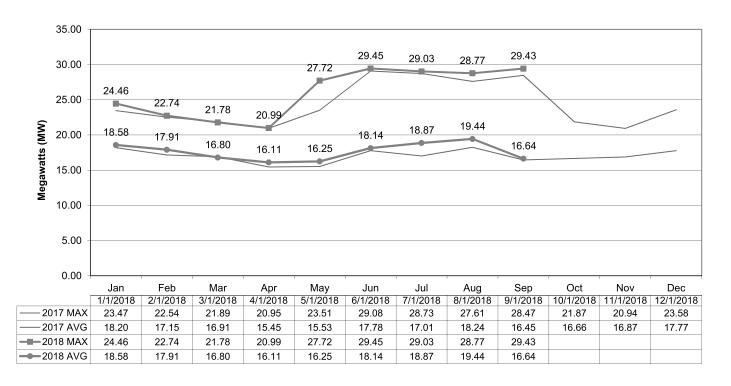
The Amp Solar field produced 397.5 MW

DPC 10/05/18

Napoleon Power & Light



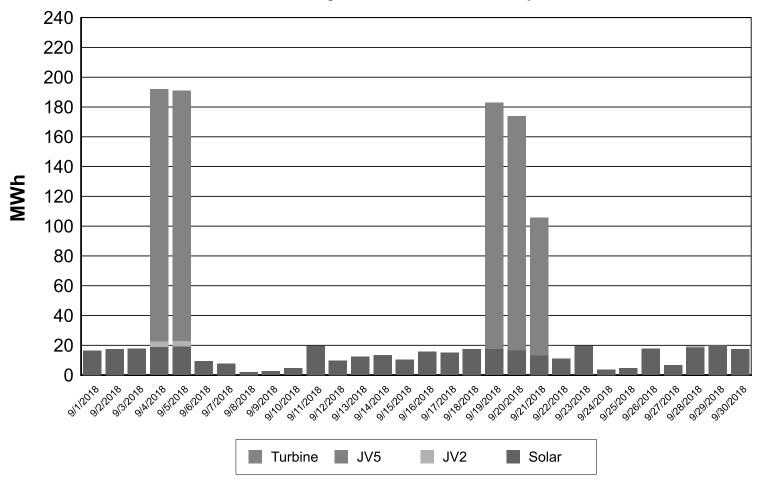
NAPOLEON POWER & LIGHT



—— 2017 MAX —— 2017 AVG —— 2018 MAX —— 2018 AVG	
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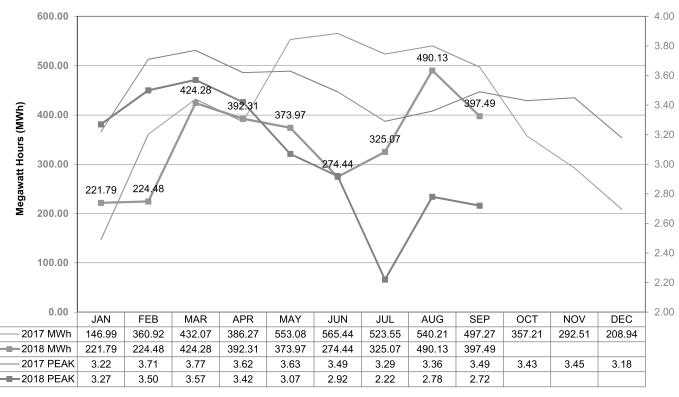
Napoleon Power & Light

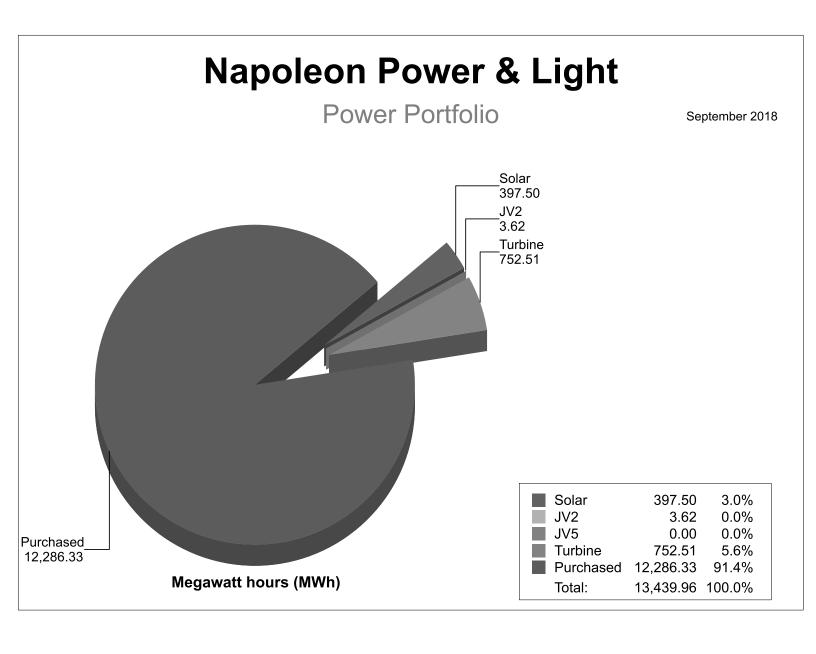
Daily Generation Output



NAPOLEON POWER & LIGHT

Solar Field Output Trend





BOARD OF PUBLIC AFFAIRS

Meeting Agenda

Monday, October 08, 2018 at 6:15 pm

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

- 1) Approval of Minutes: September 10, 2018 (In the absence of any objections or corrections, the Minutes shall stand approved).
- 2) Review/Approval of the Power Supply Cost Adjustment Factor for October 2018: PSCAF – three (3) month averaged factor \$0.01451 JV2 \$0.027145 JV5 \$0.027145
- 3) Status of Transmission Ownership.
- 4) AMP Peak Shaving Project.
- 5) Electric Department Reports.
- 6) Water Rate Study Update (with the Water & Sewer Committee).
- 7) Yard Waste Site (with the Water & Sewer Committee)
- 8) Any other matters to come before the Board.
- 9) Adjournment.

Gregory Heath

Finance Director/Clerk of Council

WATER, SEWER, REFUSE, RECYCLING & LITTER COMMITTEE MEETING AGENDA

Monday, October 08, 2018 at 7:00 pm

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

- 1) Approval of Minutes: September 10, 2018. (In the absence of any objections or corrections, the Minutes shall stand approved).
- 2) Water Rate Study Update. (with BOPA)
- 3) Yard Waste Site. (Tabled)
- 4) Discussion Regarding Water Treatment Plant Solids Management.
- 5) Any other matters currently assigned to the Committee.
- 6) Adjournment.

Bregory J. Heath

Finance Director/Clerk of Council

WATER, SEWER, REFUSE, RECYCLING & LITTER COMMITTEE

Meeting Minutes

Monday, September 10, 2018 at 7:00 pm

PRESENT

Committee Members BOPA Members City Manager Finance Director Recorder/Records Clerk

City Staff
Others
ABSENT

Approval Minutes

Call to Order

Motion to Untable 2017 Sewer Rate Study

Passed Yea-3 Nay-0

Water Rate Study

Sewer Rate Study

Jeff Comadoll-Chair, Travis Sheaffer, Lori Siclair Dr. David Cordes, Mike DeWit, Rory Prigge

Joel L. Mazur Gregory J. Heath Roxanne Dietrich

Dave Pike, WWTP Superintendent

NW Signal

Chairman Comadoll called the Water, Sewer, Refuse, Recycling and Litter

Committee to order at 7:00 pm.

Hearing no objections or corrections, the minutes of August 13, 2018 stand

approved as presented.

Motion: Siclair Second: Sheaffer

to untable the 2017 Sewer Rate Study.

Roll call vote on the above motion: Yea-Comadoll, Sheaffer, Siclair

Nay-

Heath said the water rate study is <u>not</u> on tonight's agenda, John Courtney will be at the next meeting to give an update on the water rate study. DeWit asked if the study is just being started or is it completed? Heath replied John Courtney is updating the information with the finalized debt issues, we have not given him any information on projected operational costs. Mazur noted it is difficult to have operational costs at this time, the water rate study is not on the agenda, I don't know how much detail you want. DeWit commented either you get more data or delay the reports why update the study with bad data. Dr. Cordes added if you delay the study it will not cost us money and we will have better numbers and results. Mazur noted he will look at operating costs, we are not going to discuss this matter further until it is on the agenda.

Comadoll stated let's get to what is on our agenda, the Sewer Rate Study. Heath said you did not increase rates in 2018 as recommended, the proposed sewer rates and I repeat these rates did not include major capital items just the base operational costs, with the recommendation of a 5% overall revenue increase for each year, I'm telling you there is commodity and capacity charges and we are not changing the capacity charge. We are down 5% going into 2019, I would assume you will implement rates for 2019 as listed. You can recommend that this study be taken back to Courtney with another year's

worth of data and he can update. Mazur said on the sewer side we are 65% higher than the Ohio average. We had a primary digester break at the WWTP, to make the necessary repairs and put the digester back together will be costly we have \$250,000 for a secondary digester repair, we are looking to use these funds to help cover repair of the digester. Pike added the digester is part of the overall rehab but we did not plan on doing it until 2020. Mazur noted first we have to have someone come in to diagnosis the issue then someone will have to come in and fix it. DeWit said it is money you would have spent anyways, you are just changing the way you are spending due to a forced repair. Mazur said a lot of equipment at the WWTP is at its end of life. Sheaffer asked if there is a plan setup for all the facilities of the city for police, fire, this building to know what the end of life is. DeWit said even in the industry world there is the same problem, they cannot afford to fix old plants you wait until it tires out. Sheaffer asked if there are any grant programs available through the state? DeWit asked what it will cost us to bring the WWTP up to speed? Mazur replied as of right now \$8 million dollars. Pike added that is for Phase One. Mazur said I would recommend to get ahead we address the rates incrementally rather at once. Prigge added right now we are looking at one year. Mazur said we can do one year and revisit every year as we go through the process to see how the Long Term Control Plan will affect rates and what the WWTP costs will be.

Motion to Retable Sewer

Rate Study

Motion: Sheaffer

Second: Siclair

to retable Sewer Rate Study.

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

Nay-

DeWit stated we need to fix revenue, later we can decide how to mix and match. Prigge added the next year we can work on correcting the equity between residential vs industrial and readjust the rate.

BOPA Motion to Increase Revenue by 5% at the 2018 Rate Levels Recommended by Courtney & Assoc. Motion: DeWit Second: Prigge

to increase revenue by 5% at the 2018 rate levels recommended by Courtney & Associates in their 2017 Sewer Rate Study for One Year.

Passed
Roll call vote on the above motion:
Yea-3
Yea-Dr. Cordes, Prigge, DeWit

Nay-0 Nay-

Motion to Untable Sewer

Rate Study

Motion: Sheaffer Second: Siclair

to untable sewer rate study.

PassedRoll call vote on the above motion:Yea-3Yea-Comadoll, Sheaffer, Siclair

Nay-0 Nay-

Motion to Approve BOPA Recommendation to Increase Revenue by 5% Motion: Sheaffer Second: Siclair

to approve BOPA recommendation to increase revenue by 5% at the 2018 rate levels recommended by Courtney & Associates in their 2017 Sewer Rate Study for One Year.

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

Nay-

Yard Waste Site

Sheaffer stated once the county decided they are not going to pay their bill for the county residents to use the yard waste site, why don't we go to the county landfill and save \$65,000 a year. DeWit asked you are suggesting shutting down the existing yard waste site and have residents go to the landfill? Prigge said the landfill has limited hours on weekdays they close at 3:30 pm and on Saturdays they are only open from 9:00 am - 11:30 am plus it is a half mile road back to the landfill, would be an inconvenience. Sheaffer noted county residents will use the Yard Waste Site whether we tell them they can or not. Sheaffer suggested talking to the commissioners, we could pay them \$20,000 and ask for dumpsters to be allowed upfront instead of paying the \$65,000 we are also paying into the county tax. Mazur said the yard waste site is built into the rates. Sheaffer said we can allow the residents to set out another garbage bag. Prigge asked how many compost piles/nuisances will there be then? Comadoll said we have an enforcement officer. Heath noted the Yard Waste Site has been open since 1980 and there a lot of people who use it. Sheaffer suggested putting cameras out at the Yard Waste Site and ticket anyone from the County who dumps their garbage out there. Mazur responded the cheapest and most effective way would be to start policing rather than put in cameras, this will be a maintenance item, we can effectively do code enforcement or someone from the Police Department can check on the site during their patrol. DeWit said sell it to the county, make it a county site and let them run it. Prigge said one-third of Henry County's population lives in the City of Napoleon. Mazur stated he believes it is best to start by posting signage that only city residents can use the Yard Waste Site and anyone who violates the ordinance will be charged with a M4. Siclair reported she had a call from someone who was concerned because they take care of a yard for someone who lives in town but they live outside of the city. Prigge noted older people appreciate and respect the Yard Waste Site.

Motion to Table Discussion
On Yard Waste Site

Motion: Sheaffer Second: Siclair to table discussion on Yard Waste Site and for staff to bring back their recommendation.

PassedRoll call vote on the above motion:Yea-3Yea-Comadoll, Sheaffer, SiclairNay-0Nay-

Update on the Williams Pumping Station Project Mazur reported this is the public meeting to allow the public a chance to comment on the Williams Pumping Station Project in order to receive funding from DEFA. The Williams Pumping Station is located off U.S. 24 and is the

oldest pump station that we have, it was installed in 1973 and is deteriorating in performance and with increased maintenance cost. The proposal is to move the Williams Pump Station to this location off of Glenwood Avenue which is city owned property about where the old proposed water plant was going to be north of the storage units across from Glenwood Estates. We would propose putting in a increased capacity pump that would also increase the capacity for this sewer line and would allow for additional development north of and outside of the city limits, if anybody would want to develop this land they could annex in and we could allow them to develop that land and use the sewer system. Sheaffer asked at one point the guy that owns the storage units was making headway he may want to buy more parts of that land is he still talking about that? Mazur replied that is off the table. We are just outside of what has been delineated as a wetland and will be okay to build there. We already have the approval from the Army Corp of Engineers to move forward with this. Heath said at one point there was discussion if the trailer park should pay for their share on this, they would be primary beneficiary on this particular pump station. Mazur stated currently they are the only ones that are served by it, by placing the pump station here it serves anybody that wants to develop to the north or on city property. Comadoll asked how are they going to get their sewage out because now goes into that pump station and goes under 24. Mazur said they would have to reroute where they pump to or sewer flows to, Chad has been in discussion with the property owner and they have it worked out. Sheaffer asked if we should look at assessing? Mazur replied for this discussion this is for an application to apply for funding for this project, what portion of that is paid for by a private consumer would need to be discussed at a later date we would have to get more information. There may be some expenses already the private owner will have to incur as a result of this. Sheaffer stated he does not like using \$6.1 million of city funds for one area the streets are not dedicated to us, I know we don't want them but essentially it is one business owner. Mazur said he would have to check the rules too since it was already in place did they pay for it when they built that trailer park, we may be responsible for long term maintenance, I would have to double check. We are waiting on one last easement to do this project. We are anticipating bids going out either in December or January. Comadoll asked if the city still has the utility easement along fence. Pike answered we can walk along the fence but we cannot drive back there.

Motion: Sheaffer Second: Siclair
to adjourn the Water, Sewer, Refuse, Recycling & Litter Committee meeting at
8:39 pm.
Roll call vote on the above motion:
Yea-Comadoll, Sheaffer, Siclair
Nay-
Jeff Comadoll, Chairman



Mayor Jason Maassel

Members of Council

PRESIDENT: Joseph Bialorucki

PRESIDENT PROTEM:
Daniel Baer

Jeff Comadoll Travis B. Sheaffer Kenneth Haase Jeff Mires Lori Siclair

City Manager Joel L. Mazur

Finance Director Gregory J. Heath

Law Director
Billy D. Harmon

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

City of NAPOLEON, Ohio

255 West Riverview Avenue • P.O. Box 151 Napoleon, Ohio 43545-0151 Phone: (419) 592-4010 • Fax: (419) 599-8393 Web Page: www.napoleonohio.com

Memorandum

To: Members of Napoleon City Council

Board of Public Affairs

From: Joel L. Mazur, City Manager

Billy D. Harmon, Law Director

Date: October 3, 2018

RE: Proposed Yard Waste Site Policy Changes

As we discussed in regularly scheduled meetings, the Henry County Commissioners have ceased paying \$4,100 annually to the City of Napoleon to allow residents to dispose of yard waste at the City Yard Waste Site. Below is a generalization of policies to address allowing only residents to dispose of yard waste at the yard waste site:

- Only City residents and select businesses that pay a fee to dispose of yard waste will be permitted to dispose of yard waste at the Yard Waste Site.
- If a person other than a resident is disposing of yard waste at the Yard Waste Site for a resident, the individual must provide proof that the yard waste being disposed of is from a resident's address.
- A business that does not already pay the refuse fee on the utility bill may
 be permitted to disposed of yard waste at the Yard Waste Site if they
 contact the City Utility Department and elect to pay \$5 per month for
 unlimited use of the Yard Waste Site.
- Non-residents or businesses caught disposing of yard waste at the Yard Waste Site may be cited for "Unauthorized Use of the City Yard Waste Site" under proposed new Ordinance Section 925.24. The prohibition would read as follows:
 - No person or business entity with a physical address, street address, residential address, or business address outside the corporate limits of the City of Napoleon, Ohio, shall utilize or in any way make use of the City of Napoleon Yard Waste Site without prior written approval by the City Manager.
 - The lack of notice of restricted access, posted or otherwise, is not a defense to this section.

- O Pursuant to already established Ordinance Section 925.99 a violation of the proposed prohibition would be a minor misdemeanor punishable by a fine of up to \$150.00.
- The Yard Waste Site will only be open from dawn until dusk, which are the same hours as the City Parks.
- A sign will be placed near the entrance of the Yard Waste Site identifying these policies.
- All individuals disposing of yard waste at the Yard Waste Site are subject to having their identification checked when disposing of yard waste.

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

MEETING AGENDA

Monday, October 08, 2018 at 7:30 pm

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

- 1) Approval of Minutes: (*In the absence of any objections or corrections, the Minutes shall stand approved*)
- 2) Grant Opportunity to Move Truck Traffic Off Perry Street/St. Rt. 108. [Tabled]
- 3) ODOT TAP Grant Program Award.
- 4) Any other matters currently assigned to the Committee.
- 5) Adjournment.

Gregory J. Heath

Finance Director/Clerk of Council

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

MEETING MINUTES

Monday, September 10, 2018 at 7:30 PM

PF	₹E	SI	E١	V	T

Members: City Manager Finance Director

Recorder/Records Clerk

City Staff Others ABSENT Lori Siclair-Chair, Jeff Mires, Joseph D. Bialorucki, Mayor Jason Maassel

Joel L. Mazur Gregory J. Heath Roxanne Dietrich

Northwest Signal

Call to Order

Chairman Siclair called the Municipal Properties, Building, Land Use and Economic Development Committee meeting to order at 8:41 pm.

Approval of Minutes

Hearing no objections or corrections, the minutes from the August 13, 2018 meeting stand approved as presented.

Move Truck Traffic Off Perry St/SR 108 Grant Opportunity

Mazur explained there is a grant opportunity to move forward with moving the truck traffic off Perry Street. This is a small cities grant that is funded 95%/5% for construction through the state. Any design and environmental work would be a local cost, the deadline to apply is March 1, 2019. To move the truck traffic off of Perry Street it will probably be recommended a roundabout be put in at Scott and Riverview. Patrick McColley from ODOT spoke to Rotary and explained roundabouts do not decrease accidents but they do decrease the severity of the accidents. We do have a purchase order with Mannik and Smith to move forward with a traffic study that is required, with the application with roundabout and everything the total project cost would be about \$1.5-\$2million dollars. Siclair suggested to wait and see what happens with the truck traffic after the second bridge goes in. Mazur replied, the traffic count is a big part of the grant, the second river bridge would decrease the traffic count. Maassel commented, if you have a \$8,000 grant typically the state wants you to use all the funds, my concern is if we have to pay 20% of the \$2 million project that is \$400,000 to fix a problem that we may not have in 2020. That is a lot of money that can be spent around town on the miscellaneous streets and annual resurfacing projects that we have been pushing off, are there other projects in town the 95%/5% grant can be used for, such as Oakwood Avenue. Mazur said we can look into that. Maassel added there has to be other places to make better use of grant dollars. To get a roundabout to fit at Scott Street and Riverview would bleed into the central school parking lot and Lions Recycling Area, that is a pretty dramatic change. Bialorucki asked if there many accidents at that intersection now? Mazur said there are more accidents at the other intersection. Mazur asked if the

committee's preference is to move forward with the grant or not. Siclair asked when the grant would be awarded. Mazur said applications are due March $1^{\rm st}$ with the award probably around June or July. Maassel commented prefer we look at other potential possibilities for the 95%/5% grant than this piece of road, when the new river bridge comes in that will change that needs. Mazur said he liked the Oakwood suggestion. Bialorucki added with JAC products a lot of employees will be using Oakwood and that intersection, that may be something to look at.

Motion to Table Until Next Month

Motion: Maassel Second: Bialorucki

to table until next month the grant opportunity to move truck traffic off Perry

Street and to explore other project possibilities for this grant.

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

Nay-0 Nay-

Grant Opportunity Downtown Revitalization

Mazur reported for 2020 another grant opportunity is available for Downtown Revitalization. It is a 50/50 match for the building owner up to \$40,000 to make improvements to their building. Maassel asked if the City employed Robin as the grant administrator and the 50/50 match is for business owners and not the City. Heath said Napoleon Alive hired Robin. Mazur added MVPO will take care of the application process.

Motion to Move Forward with Grant Application

Motion: Bialorucki Second: Mires

to move forward with the Downtown Revitalization grant application.

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

Nay-0 Nay-

Any Other Matters None.

Motion to Adjourn Motion: Bialorucki Second: Maassel

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

Development Committee meeting at 9:03 pm.

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

Nay-0 Nay-

Date Approved:

October 08, 2018 Lori Siclair - Chair

Ohio Department of Transportation

INTER-OFFICE COMMUNICATION

TO:

Governance Board

FROM:

Jennifer Townley, Deputy Director, Division of Planning

SUBJECT:

Recommendations for ODOT TAP Funds

Date:

Monday, July 16, 2018

ODOT's Office of Local Programs is requesting approval to award \$15.4 million in

Transportation Alternatives Program (TAP) funds. The funding will cover construction between SFY 2020, 2021 and 2022.

The Transportation Alternatives Program is designed to fund projects in counties, cities, townships and villages that are not located inside a Metropolitan Planning Organizations (MPO). ODOT accepts TAP applications annually starting in March and ending in May. These funding requests are reviewed by multi-disciplinary committees at both the District Offices and Central Office. Committee members include:

Andrea Stevenson, Office of Local Programs
Jeff Peyton, Office of Local Programs
Nichole Wade, Office of Local Programs
Jeff Shaner, Office of Local Programs
Tom Barrett, Office of Environmental Services
Caitlin Harley, Office of Program Management

The committee also includes district staff led by the District LPA Managers:

Lori Brinkman, District 1 Randy Comisford, District 5 Alan Craig, District 10

With the 2018 TAP solicitation, ODOT received 56 applications requesting just under \$48 million in TAP funds with a total construction value of \$63 million. ODOT's TAP Program is currently funded at \$11 million annually.

Projects were selected based on a scoring system as well as the project's ability to be delivered in the year funding is awarded, until the amount requested reaches the \$11 million program budget. Due to carry forward and projects missing their award date, this year TAP selected projects totaling \$568,800 for fiscal year 2020, \$3.37 million for fiscal year 2021 and \$11.41 million for fiscal year 2022. In addition to the scoring system, an analysis was performed comparing the amount of budget and carry forward remaining for each fiscal year to the funding amount requested by the project sponsor to ensure a financially balanced program.

The TAP program is continuing the use of Toll Revenue Credit (TRC) for the projects awarded funding in the 2018 program cycle. Those project sponsors wishing to utilize TRC to supplement their 20% share of the eligible construction costs may choose to do so. TRC will cover 15% of the project sponsor's share of eligible costs, leaving 5% for the project sponsor to pay. The funding amount for the recommended projects has been updated to reflect the amount requested plus 15% TRC.

District	SFY	Project Sponsor	Project Name	Project Description	Awarded Funding
1	2021	City of Defiance	Cleveland Avenue Multi-Use Path	This project involves constructing non- motorized facilities along the south side of Cleveland Avenue in the city of Defiance between a previously installed Safe Routes to School project and an upcoming roundabout intersection improvement which also includes non-motorized facilities.	\$396,311
1	2021	City of Findlay	Blanchard River Greenway Extension	This project will begin at the existing trail head located on East Main Cross Street and Bright Road. The proposed trail will tie into the trail at the Hancock Park District's Eastpoint Area and will proceed east under the Bright Road overpass.	\$1,250,000
1	2022	City of Van Wert	Rotary Soccer Park Trail	Paving of 2,360 feet of existing, overgrown aggregate path through the Rotary Soccer Park, as well as 540 feet of new asphalt trail along the parking lot to end directly across the lot from the path to John Brown Road.	\$638,080
1	2022	Village of Beaverdam	Decorative Lighting along Old Lincoln Highway/US 30	The project will consist of installing 23 new decorative street lights in Beaverdam, Ohio along historic "Old Lincoln Highway"/US 30/ Main Street. The new street lights will begin East of the Norfolk & Western Railroad and continue East to Church Street. The overall project length would be 2,000 feet.	\$254,678
1	2022	Village of Oakwood	Removal/Replace ment of Deteriorating Curbs and Sidewalks	The proposed project will include removal and replacement of existing deteriorating curbs and sidewalks on First Street from Celina Street near the school entrance to North Avenue at the Village Park, a distance of approximately 900 feet. The new sidewalks will be concrete, with a decorative ribbon of brick pavers to enhance the downtown aesthetically.	\$455,580
2	2022	City of Napoleon	City of Napoleon Sidewalks and Multi-Use Path	The project involves constructing a mix of non- motorized facilities through the heart of the City of Napoleon to fill in current gaps found in existing sidewalk and multi-use path facilities.	\$750,000



City of Napoleon, Ohio

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

Memorandum

To: Board of Zoning Appeals, City Council, Mayor, City

Law Director, City Manager, Department

Supervisors, Newsmedia

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

Council

cc:

Date: October 05, 2018 Subject: BZA – Cancellation

The regularly scheduled meeting of the Board of Zoning Appeals set for Tuesday, October 09, 2018 at 4:30 pm has been CANCELED due to lack of agenda items.



City of Napoleon, Ohio

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

Memorandum

To:

Planning Commission, City Council, Mayor, City

Law Director, City Manager, Department

Supervisors, Newsmedia

From:

Gregory J. Heath, Finance Director/Clerk of DH.

Council

cc:

Date:

October 05, 2018

Subject:

Planning Commission - Cancellation

The regularly scheduled meeting of the Planning Commission for Tuesday, October 09, 2018 at 5:00 pm has been CANCELED due to lack of agenda items.



City of Napoleon, Ohio

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

Memorandum

To:

Health Care Cost Committee, City Council, Mayor,

City Law Director, City Manager, Department

Supervisors, Newsmedia

From:

Gregory J. Heath, Finance Director/Clerk of St.

Council

cc:

Date: October 05, 2018

Subject: Health Care Cost Committee - Cancellation

The Health Care Cost Committee meeting scheduled for Friday, October 12, 2018 at 9:00 am has been CANCELED due to lack of agenda items.



Sept. 28, 2018



Jones receives Seven Hats Award

By Marc Gerken, P.E. - president/CEO

Tom Jones is the 2018 recipient of the AMP Seven Hats Award.

Jones serves as the executive borough secretary for the Borough of Berlin, a community of more than 2,200 in Somerset County, Pa. He first joined the Borough of Berlin in 2016, bringing 35 years of experience in the private sector in financial and senior executive management.

Jones exemplifies what this prestigious award signifies - a strong work ethic, dedication and expert project management skills. I was pleased to present this honor to him and thank him for his service to public power.

Jones performs his borough responsibilities with a steady work ethic. Through his attention to detail and his outstanding project management skills, Jones led the borough's Interactive Distribution Generation (IDG) Project to completion, while securing approximately \$200,000 in savings over the approved contracted installation price.

Borough of Berlin Mayor Joseph Krause noted that, "Jones' ability is what got the IDG project done over what seemed to be insurmountable odds."

As executive borough secretary, Jones manages the Berlin Municipal Electric System, the Public Works Department, the Refuse Collection System and is manager of the administrative staff and offices. The

municipal electric system serves approximately 1,150 residential, commercial and industrial customers.

In addition to his borough responsibilities, Jones is involved in the community. Jones serves as vice president of the Somerset County Boroughs Association; serves on the Somerset County Tax Collection Committee; and acts as liaison for the Borough with residents, businesses, civil organizations, schools and other government entities.

The AMP Seven Hats Award, modeled after the national American Public Power Association's Seven Hats Award, was initiated in 1984 to recognize utility managers who serve smaller communities of less than 2,500 meters, and whose management duties extend well beyond the scope of a manager in a larger system. Award winners show skill in seven areas: planning and design, administration, public relations, field supervision, accounting, personnel or employee direction, and community leadership.

Please join us in congratulating Tom.

AMP awards recognize member utilities and officials By Marc Gerken, P.E.

Member utilities and officials were recognized at the 2018 AMP/OMEA Annual Conference through the AMP awards program.

Board members who were recognized for service and completion of the current term are:

- · Kevin Maynard, Bryan
- Jeff Brediger, Orrville
- Kevin Brooks, Montpelier
- Doug McMillan, Oberlin

Communities that were honored with AMP awards include:



Finance Awards

- Highest Credit Score Population more than 5,000 Westerville with a score of 100 percent
- Highest Credit Score Population less than 5,000 Holiday City with a score of 94 percent
- Most Improved Credit Score Hubbard with a 48 percent improvement
- Financing of the Year Population more than 5,000 Wapakoneta for the two new substations, upgraded metering and transmission line projects financed through AMP
- Financing of the Year Population less than 5,000 Philippi for upgrades to their main substation and distribution system, system repairs and vehicle purchases

Innovation Awards

- Borough of Berlin for Berlin Interactive Distributed Generation Project
- Borough of Ephrata for Solar Project Funding of Economic Development
- Honorable Mention: Cleveland Public Power for MyCPP CPP's Online Consumer Engagement Program (mycpp.org)
- Honorable Mention: Cuyahoga Falls Electric System for the Sub 5 Upgrade
- Honorable Mention: Danville Utilities for the Online Customer Portal/Outage Map
- Honorable Mention: City of Hamilton for the Implementation of Unmanned Aircraft System (UAS)

System Improvement Awards

- Pioneer Municipal Utilities for the Circuit 20 Line Relocation
- · Village of Wellington for the Erie Street Substation Project
- Dover Light and Power for the 69 kV West Circuit Project
- Cleveland Public Power for the Lake Road Substation Expansion
- Honorable Mention: Clyde Light and Power for the East Substation Upgrade
- Honorable Mention: St. Clairsville Light and Power for the Commons Mall Crossing Project
- Honorable Mention: Village of Versailles for the Circuit #2 12 kV Conversion Project
- Honorable Mention: Borough of Ephrata for the Advanced Meter Infrastructure Project
- Honorable Mention: Napoleon Power and Light for Recloser Replacement Project
- Honorable Mention: City of Shelby, Division of Electricity and Telecommunications for PSG-1 Project

- · Honorable Mention: Danville Utilities for the Bridge Street Substation Upgrade
- Honorable Mention: City of Hamilton for the Relay Upgrade Project
- Honorable Mention: City of Wadsworth, Electric and Communications Department for the Seville Road Substation Power Transformers Project

Public Power Promotion Awards

- Cleveland Public Power for the CPP Intern to Apprentice Program
- Cuyahoga Falls Electric System for the 2018 Tree Power Project
- Dover Light and Power for promotion of Public Power Week
- · City of Hamilton for the Customer Payment Portal

Electric System Sustainability Awards

- Cleveland Public Power for their Solsmart Bronze designation
- Dover Light and Power for their Over Fire Air Combustion
- Honorable Mention: Clyde Light and Power for their Downtown Lighting Project
- Honorable Mention: Danville Utilities for the Kentuck Solar Project
- Honorable Mention: Hillsdale Board of Public Utilities for the Engine #5 and #6 Upgrade
- Honorable Mention: City of Shelby, Division of Electricity and Telecommunications for the Progress Drive Generation Station
- · Honorable Mention: St. Clairsville Light and Power for their Main Street Lighting Project
- Honorable Mention: Village of Yellow Springs for their 1 MW Solar Array

Members receive safety awards and commendations

By Michelle Palmer, P.E. - vice president of technical services

On Sept. 26, AMP presented awards and commendations to a number of member communities during the 2018 AMP/OMEA Annual Conference Safety Awards. Safety awards are given to communities with no time loss due to reportable accidents or injuries.

In the **generation category**, awards were presented to Bryan Municipal Utilities, Dover Light and Power and the City of Hamilton.

In the **transmission and distribution category**, awards were presented to Berlin Electric Utility Department (MD), Cuyahoga Falls Electric System, Borough of Ephrata Electric Division, Village of Genoa, Haskins Electric, Village of Minster, City of Newton Falls Electric, Orrville Utilities, St. Clairsville Light and Power, City of Wapakoneta, City of Westerville and the Village of Yellow Springs.

Safety commendations for transmission and distribution were given to Bryan Municipal Utilities, Dover Power and Light, Napoleon Power and Light, and the Wadsworth Electric Department.

AMP Hard Hat Safety Award winners will be announced in their community and presented with an award at a later date. Member utilities with 2018 Hard Hat Award winners are: Bryan Municipal Utilities, Cleveland Public Power, Clyde Light and Power, Cuyahoga Falls Electric System, Dover Light and Power, Dover Light and Power - Generation, Borough of Ephrata Electric Division, City of Hamilton, Haskins Electric, City of Napoleon, Orrville Utilities, Philippi Municipal Electric, City of Shelby - Division of Electricity and Telecommunications, St. Clairsville Light and Power, Village of Versailles, City of Wadsworth, Village of Wellington and the City of Westerville.

Mutual Aid Commendations were given to: Arcanum Water and Light, Berea Municipal Utilities, Belin (MD) Electric Utility Department, Borough of Ephrata Electric Division, Bowling Green Municipal Utilities, Bryan Municipal Utilities, Celina Municipal Utilities, City of Cuyahoga Falls Electric System, City of Marshall Electric Department, City of St. Marys Municipal Electric System, City of Wadsworth Electric and Communications, Coldwater Board of Public Affairs, Deshler Municipal Electric, Hamilton Department of Electric, Hudson Public Power, Jackson Center Municipal Electric System, Minster Electric Department, Montpelier Municipal Utility, Napoleon Light and Power, Orrville Utilities, Paducah Power System, Pemberville Municipal Electric, Piqua Power System, Plymouth Municipal Electric, Tipp City Municipal Utilities, Village of New Bremen Utilities, Wapakoneta Electric Department and Westerville Electric Division.

Congratulations to all award winners and thank you for your dedication and service.

OMEA holds elections, names five honorary members

By Jolene Thompson - executive vice president of member services and external affairs/OMEA executive director

The Ohio Municipal Electric Association (OMEA) held its general membership meeting Sept. 26 during the 2018 AMP/OMEA Annual Conference and re-elected the communities of Cuyahoga Falls, Dover, Pioneer and Wadsworth to serve three year terms on the Board of Directors. The City of Cuyahoga Falls is represented by Mayor Don Walters; the City of Dover is represented by Mayor Richard Homrighausen; the City of Pioneer is represented by Mayor Ed Kidston; and the City of Wadsworth is represented by Mayor Robin Laughbaugh.



Additionally, the City of Painesville, represented by City Council President Paul Hach, and the City of Newton Falls, represented by Mayor Lyle Waddell, were elected to one year terms as ex-officio members of the OMEA Board.

Dover Mayor Richard Homrighausen, Wadsworth Mayor Robin Laughbaugh and Montpelier Mayor Steve Yagelski were re-elected to the executive committee.

The OMEA general membership selected five new honorary members:

- Bill Pepple, Bryan
- Mary Burns (deceased), Bryan
- Lyle Waddell, Newton Falls
- Jim Myers, Blanchester
- Dale Good, St. Marys

AMP holds elections for Board of Trustees

By Marc Gerken, P.E.

The AMP general membership held its annual meeting during the 2018 AMP/OMEA Annual Conference on Sept. 26. There were four expiring atlarge seats on the 21-member AMP Board of Trustees. Members re-elected Bryan, Montpelier, Oberlin and Orrville to three year terms. Bryan is represented by Kevin Maynard, director of utilities; Montpelier is represented by Kevin Brooks, village manager; Oberlin is represented by Doug McMillan, utilities director; and Orrville is represented by Jeff Brediger, director of utilities.



Following the general membership meeting, the Board held its reorganizational meeting and elected Steve Dupee, Wellington village manager, as chair; Jeff Brediger, Orrville director of utilities, as vice chair;

Robert Patrick, Wadsworth public service director, as secretary; and Pat McCullar, DEMEC president/CEO, as treasurer.

AMP projects, JVs hold elections

Leadership elections were held for AMP projects and joint ventures at the 2018 Annual AMP/OMEA Conference on Sept. 24-27. The election results are listed below.

Solar Phase 1: Joel Mazur, Napoleon, chair; Patrick McGowan, St. Marys, vice chair

JV6: Brian O'Connell, Bowling Green, chair; Michael Dougherty, Cuyahoga Falls, vice chair; Robert Patrick, Wadsworth, treasurer; Joel Mazur, Napoleon, secretary

JV5: Michael Dougherty, Cuyahoga Falls, chair; Brian O'Connell, Bowling Green, vice chair; Robert Patrick, Wadsworth, treasurer; Steve Dupee, Wellington, secretary

JV2: Joel Mazur, Napoleon, chair; Michael Dougherty, Cuyahoga Falls, vice chair; Jeff McHugh, Painesville, treasurer; Brian O'Connell, Bowling Green, secretary

JV4: Dawn Fitzcharles, Bryan, chair; Zach Dohner, Edgerton, vice chair; Kevin Brooks, Montpelier,

treasurer; Al Fiser, Pioneer, secretary

AFEC: Paul Beckhusen, Coldwater, chair; Ivan Henderson, Cleveland, vice chair

MESA: Robert Patrick, Wadsworth, chair; Jeff McHugh, Painesville, vice chair; Dawn Fitzcharles, Bryan, treasurer; Steve Dupee, Wellington, secretary

Hydro Phase I: Jeff Brediger, Orrville, chair; Steve Dupee, Wellington, vice chair

Hydro Phase II - Meldahl: Jim Logan, Hamilton, chair; Brian O'Connell, Bowling Green, vice chair

Hydro Phase II - Greenup: Jason Grey, Danville, chair; Brian O'Connell, Bowling Green, vice chair

Prairie State: Ed Krieger, Piqua, chair; Jeff Brediger, Orrville, vice chair

Solar Phase II: Brian O'Connell, Bowling Green, chair; Kimberly Schlichting, DEMEC, vice chair

FCC Small Cell Wireless Rules upend municipal pole exemption

Charles Willoughby - director of government affairs

The Federal Communications Commission (FCC) approved its Declaratory Ruling for small cell wireless pole attachments on Sept. 26. Commissioners voted 3-1, stating that they believe their rules are important steps to "remove regulatory barriers that inhibit the deployment of infrastructure necessary for 5G and other advanced wireless services." The final version of the order was released late Thursday and AMP and OMEA staff are reviewing in detail. Based on a draft released earlier this month, however, we remain concerned that the order effectively removes the exemption for municipalities and usurps local control over local infrastructure and the right of way.

The new rule limits what fees can be charged for wireless attachments and permits, superseding all potential negotiations and agreements on the true cost of developing and maintaining services in the public right of way. The rules also limit review periods for wireless developers planning to attach or build facilities in the public right of way. When the new rules take effect, local officials will have only 60 to 90 days to review installation requests and no authority to reject an application.

Over the past week, AMP and OMEA member communities sent letters to their representatives in Congress expressing their opposition to the FCC rule and a similar overreaching legislative proposal S. 3157 pending in the Senate. The APPA has also been working to oppose this FCC effort. The FCC rule is likely to receive legal challenges from state and local governments in the coming weeks.

We will provide additional information once the final order is reviewed in detail.

The documents are available for review here:

https://www.fcc.gov/document/fcc-facilitates-wireless-infrastructure-deployment-5g https://www.fcc.gov/document/fcc-streamlines-deployment-next-generation-wireless-infrastructure

EV Lessons Learned document available

By Erin Miller - director of energy policy and sustainability

While electric vehicles (EVs) do not have a large presence on our roads and in our communities, new models and public acceptance are projected to increase significantly over the next 5-10 years. They present a load growth opportunity and potential liability if not managed properly. AMP member communities with EV experience have provided valuable lessons regarding EV adoption and management in the recently released "Electric Vehicles: Lessons learned for public power systems."

To learn more about AMP's Focus Forward initiative, EV adoption and management from other public power utilities, and to access helpful resources, visit the Electric Vehicles drop-down menu on the <u>Focus Forward</u> section of the <u>member extranet</u> (login required).





APPA launches Community Powered campaign; AMP provides readyto-use content on member extranet

By Holly Karg - director of media relations and communications

The American Public Power Association (APPA) recently launched a national campaign, <u>Community Powered</u>, for public power communities to join from October through December of this year.

The Community Powered campaign offers an array of campaign strategies, tools and resources to help reach business and residential customers, governing body members, policymakers and other key influencers in your community.

Ideas for participation in the campaign include posting about the benefits of public power on your community's social media platforms and websites, remembering to use the #CommunityPowered hashtag; promoting the campaign web site across social channels and from your website, www.WeAreCommunityPowered.com; and planning one or more community activities to highlight the benefits of public power.

In addition to the APPA Community Powered campaign, AMP has easy-to-access content for members to use digitally.

Public Power week is Oct. 7-13. To help member communities spread word of the many benefits of public power, AMP has created content for your use. To access this content, visit the Public Power Connections page on the member extranet (login required).

Within the Public Power Connections page is a toolkit specifically prepared to help member communities highlight the many values of being a public power community. Along with the Benefits of Public Power toolkit, the Public Power Connections page houses other toolkits for member use, along with graphics that can be downloaded for your use at any time. If there are other topics you wish to see included on the Public Power Connections page, please reach out to me at hkarg@amppartners.com.



Efficiency Smart webinars in October

By Steven Nyeste - communications project manager, Efficiency Smart

Efficiency Smart and AMP are offering three live webinars to discuss the benefits of participation in Efficiency Smart, real examples of how the program has impacted communities and their customers, as well as the nuts and bolts of how the program works.



We encourage you to attend a webinar if your community is interested in:

Reducing your exposure to market variability and higher transmission and capacity costs

- Competing with neighboring IOU territories offering energy efficiency services to attract or retain businesses
- · Helping your largest customers control their energy costs
- · Increasing your customers' satisfaction with their utility services and community engagement
- · The many additional benefits your community can realize through participation in Efficiency Smart

Everyone who pre-registers for a webinar and has verified attendance will be entered in a drawing to win a Nest Thermostat. Multiple representatives from a community are welcome to sign up and attend. To register, please click the webinar link with your preferred date and time below, and follow the registration instructions:

- Wednesday, Oct. 10, 11 a.m.-12:30 p.m. Click here to register
- Tuesday, Oct. 16, 8-9:30 a.m. Click here to register
- Thursday, Oct. 25, 3-4:30 p.m. Click here to register

If you have any questions about participation in Efficiency Smart or the upcoming webinars, contact Tom Coyle at tcoyle@efficiencysmart.org or 614.468.4924.

Energy markets update

By Jerry Willman - assistant vice president of energy marketing

The November 2018 natural gas contract increased \$0.076/MMBtu to close at \$3.056 yesterday. The EIA reported an injection of 46 Bcf for the week ending Sept. 21, which was below market expectations of 61 Bcf. Gas in storage now stands at 2,768 Bcf. This is 18 percent under the five-year average of 3,389 Bcf.

On-peak power prices for 2019 at AD Hub closed yesterday at \$37.38/MWh, which was \$0.20/MWh higher for the week.

On Peak	(16 hour)	prices into	o AEP/Day	ton hub				
Week endin MON \$45.92	g Sept. 21 TUE \$56.08	WED \$53.56	THU \$62.90	FRI \$51.96				
Week endin MON \$36.28	g Sept. 14 TUE \$38.79	WED \$36.89	THU \$41.22	FRI \$46.01				
AEP/Dayton 2019 5x16 price as of Sept. 20 — \$37.18 AEP/Dayton 2019 5x16 price as of Sept. 13 — \$36.60								

AFEC weekly update

By Jerry Willman

The AMP Fremont Energy Center (AFEC) had a brief maintenance outage on CT2 Wednesday overnight, otherwise the plant was available for 2x1 operation for the week. The plant operated between base load and duct fire range during the peak hours. Duct firing operated for 125 hours this week. The plant generated at an 84 percent capacity factor (based on 675 MW rating).

Register now for Webinars

An internet connection and a computer are all you need to educate your staff. Individual webinars are \$99 or sign up for a series at a discounted rate. Register today at www.PublicPower.org under Education & Events. Non-members can enter coupon code **AMP** to receive the member rate.

- Raising Awareness of Public Power Series
 #StopScams: Alerting and Educating Customers
 Oct. 2
- Accounting & Finance Series
 A Financial Health Checkup Oct. 9
- Raising Awareness of Public Power Series
 Driving Engagement in the New Social Media
 Landscape Oct. 16
- Raising Awareness of Public Power Series
 Outage Communications:
 Stepping Up Your Game Oct. 30





Members interested in posting classifieds in Update may send a job description with start and end advertisement dates to zhoffman@amppartners.org. There is no charge for this service.

City of Danville seeks applicants for director of Power & Light Division

The City of Danville, Va. Utilities Department is seeking applicants for the position of director for its Power & Light Division. The Power & Light director manages the overall operations of the city's electric system

that serves approximately 42,000 homes and businesses from 17 substations in a 500-square mile service territory covering all of Danville and portions of a three county area. The system peaks at 220 MW and delivers 1 billion kWh annually. Danville Power & Light owns a small 10 MW hydroelectric facility and purchases generation from various resources. The balance of power distributed is purchased on the wholesale market. The director supervises approximately 75 staff members responsible for generation, distribution, construction and maintenance, substation operations and maintenance, engineering and meter servicing. Strong management skills required. Work is performed under the general supervision of the director of utilities.

The city is seeking applicants with experience combined to be equivalent to a bachelor's degree in electrical engineering or business administration, and preferably has seven to nine years of experience in energy utilities with considerable management experience. Possession of or ability to obtain Certification as a Professional Engineer in the Commonwealth of Virginia is desirable. Salary range: \$79,356-\$124,589 based on qualifications and experience. The position will remain open until filled. Apply online at jobs.danvilleva.gov. Equal Opportunity Employer.

Borough of Wampum weeks applicants for open position

The Borough of Wampum is seeking applicants for a fulltime employee. The job requires a minimum two years of experience in water and wastewater, with certifications in both fields. Applicants must also have some experience in the electric line field. The applicant should have experience with machinery used in the day-to-day operation of the borough, i.e. backhoe, dump truck, bucket truck, etc., along with knowledge of road maintenance. A valid driver's license is required.

The job will pay an hourly salary plus benefits. The employment application can be found on the borough's website at www.wampumboro.com and should be submitted to the borough along with a resume. If applying in person, the borough office is located at 355 Main St. Ext., Wampum, PA 16157, and office hours are Monday-Friday 8 a.m. to 3:30 p.m. The mailing address for Wampum Borough is P.O. Box 65, Wampum, PA 16157. Wampum Borough is an equal opportunity employer.

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October 5, 2018

OML UPDATE AT-A-GLANCE

Here are the top three things you need to know from this past week:

- Gubernatorial candidates Richard Cordray (D) and Mike DeWine (R) took part in a second debate on Monday at Marietta College. Topics included algae blooms in Lake Erie, right-to-work and the Electronic Classroom of Tomorrow (ECOT). You can watch the debate in full **HERE**.
- Ohio will be the recipient of approximately \$5.6 million from Uber in a settlement over a data breach in 2016, according to Attorney General Mike DeWine. The money is part of a \$148 million settlement payment nationally. Each Uber driver who applied to drive before November 2016 will receive a \$100 payment.
- *Forbes* magazine declared Columbus as the top rising city for start-up businesses in the nation. Cincinnati was ranked in sixth place on the same list.

NEW BILLS OF MUNICIPAL INTEREST

Here is a piece of legislation introduced this week that would have an impact on Ohio's municipalities:

• HB 736 - TAX VOTES. Sponsored by Rep. Brinkman (R - Cincinnati), would require certain subdivisions governed by a board comprised of at least one unelected official to obtain the approval of the legislative body that created the subdivision before levying a tax.

DETAILS RELEASED ON FCC'S RULING IMPACTING SMALL CELL WIRELESS INFRASTRUCTURE DEPLOYMENT

Last week, the League announced that the Federal Communications Commission (FCC) had issued a declaratory ruling and order that largely preempts how municipalities regulate the rollout of small cell wireless infrastructure, the actual ruling has been made public. You can read it **HERE**.

The order effectively overrides sections of HB 478, a compromise that both municipal leaders and the telecommunications industry agreed upon that became law earlier this

year. Many of the provisions in HB 478 that allowed municipalities to provide for the safety of their communities as well as protect the aesthetics of their rights-of-way have been rendered obsolete.

One of the provisions that will prove difficult for most municipalities is the establishment of a "shot clock" regarding the processing of applications for small cell deployment on municipal infrastructure. If the infrastructure is existing, municipalities will only have 60 days to process applications from telecommunications companies. If new infrastructure must be constructed, that deadline only extends out to 90 days. For many local governments, this is not an adequate timeframe for processing applications especially when they receive multiple applications from multiple telecommunications companies. HB 478 had established a shot clock that would change to accommodate a greater influx of applications from telecommunications companies. Under the new ruling, municipalities may find themselves without adequate staffing to meet the new deadlines.

Additional new provisions include limiting what a municipality can charge as an application fee. This new limit is substantially lower than what most municipalities charge currently. There are no provisions within the order that mandate telecommunication companies must extend services to unserved areas within a municipality's jurisdiction. This could make it difficult for municipalities to incentivize the closing of the existing and detrimental digital divide.

As new information becomes available regarding this order and ruling, we will make it available to our members.

OML PREPARES FOR ANNUAL CONFERENCE

The League's 2018 Annual Conference will be here before we know it! The conference will be taking place in downtown Columbus at the Renaissance Hotel from Wednesday, Oct. 31st through Friday, Nov. 2 nd. Attendees will have the opportunity to hear from dynamic speakers, attend meaningful workshops and network with other municipal leaders from across the state. It is an incredible opportunity you don't want to miss!

Information about the Annual Conference, including the agenda, was sent out last month. Additionally, registration for the 2018 Annual Conference in now open - just click **HERE**.

The Municipal Finance Officers Association of Ohio will be holding their Annual Conference concurrently with the League from Wednesday, October 31st through Thursday, November 1st. Attendees will participate in general sessions, round table discussions and workshops and will have access to the exhibitor's hall hosted by the League's Annual Conference. To register, click **HERE**

Vendor Information can be found **HERE**

IMPORTANT INFORMATION FROM OML'S BWC THIRD-PARTY PROVIDERS

CareWorksComp, the League's third-party BWC provider, has released a newsletter for the month of October detailing important deadline for estimated annual premiums, deferred payment options and applications. The newsletter also includes a helpful article detailing the difference between third-party administrators (TPAs) and managed care organizations (MCOs). To access this important newsletter, please click **HERE**.

Ohio Municipal League

Legislative Inquires: Kent Scarrett, Executive Director