Memorandum

To:Mayor and Members of CouncilFrom:RoxanneSubject:General InformationDate:December 9, 2016

CALENDAR

AGENDAS

Monday, December 12th

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

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

<u>Tuesday, December 13th</u> Special Civil Service Commission Meeting @4:30 pm

CANCELLATIONS

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

INFORMATIONAL ITEMS

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

◄ Nov 2016			December 201	6		<u>Jan 2017</u> ▶
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
27 November	28 November	29 November	30 November	1	2	3
	5:45 pm Personnel Comm					
	7:30 pm Safety & Human		6:30 pm Parks & Rec Board		8:00 am Special Council	8:00 am Special Council
	Resources w/Twps-HCSJAD				8:00 am Special Finance & Budget Comm.	8:00 am Special Finance & Budget Comm.
	7:45 pm Special Finance & Budget and Council Mtg.					20080000000
4	5	6	7	8	9	10
	7:00 pm City Council					
11	12	13	14	15	16	17
	6:30pm Electric Committee and BOPA	4:30 pm Civil Service				
18	19	20	21	22	23	24
	6:15pm Parks & Rec Comm 7:00 pm City Council					
25	26	27	28	29	30	31
	CLOSED	CLOSED				
	Christmas Holiday	Floating Holiday				
	6:30 pm Finance & Budget					

City of Napoleon, Ohio

ELECTRIC COMMITTEE

Meeting Agenda

Monday, December 12, 2016 at 6:30 pm

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

- 1) Approval of the Minutes from November 14, 2016 (*In the absence of any objections or corrections, the Minutes shall stand approved*)
- 2) Review/Approval of the Power Supply Cost Adjustment Factor for December, 2016: PSCAF three (3) month averaged factor-\$0.00421
 JV2: \$0.057840
 JV5: \$0.057840
- 3) Electric Department Report.
- 4) Any other matters currently assigned to the Committee
- 5) Adjournment

Gregory J. Heath Finance Director/Clerk of Council

CITY OF NAPOLEON, OHIO

ELECTRIC COMMITTEE MEETING MINUTES

Monday, November 14, 2016 at 6:30 pm

PRESENT					
Members	Patrick McColley, Acting Chair; Dan Baer; Travis Sheaffer, arrived at 6:35 pm				
Board of Public Affairs	Mike DeWit, Chair; Dr. David Cordes; Nick Frysinger				
City Staff	Greg Heath, Finance Director/Clerk of Council				
	Monica Irelan, City Manager				
	Dennis Clapp, Electric Distribution Superintendent				
	Bobby Stites, MIS				
Recorder	Roxanne Dietrich				
Other					
ABSENT					
Call to Order	Acting Chair McColley called the Electric Committee Meeting to order at 6:30 pm.				
Approval of Minutes	Minutes of the October 10, 2016 meeting stand approved as read wit				
October 10, 2016	no objections or corrections.				
Review/Approval of the	The Electric Power Supply Cost Adjustment Factor (PSCAF) for				
Power Supply Cost	November, 2016 was presented for review.				
Adjustment Factor for					
November, 2016					
Motion to Accept BOPA	Motion: Baer Second: McColley				
Recommendation for	To accept the BOPA recommendation for approval of the Power Supp				
Approval of Power	Cost Adjustment Factor (PSCAF) for November, 2016 as follows:				
Supply Cost Adjustment	PSCAF three (3) month averaged factor: \$0.00499				
Factor	JV2: \$0.101015				
	JV5: \$0.10105				
Discussion	None				
Passed	Roll call vote on above motion:				
Yea-2	Yea–McColley, Baer				
Nay-0	Nay				

Electric Department Report	Dennie Clapp, Electric Distribution Superintendent gave the electric reports from October 2016 (a copy of the detailed reports is attached). Clapp noted that today the line crews finished hooking up the 69 kV loop into the substation. Under the Peak Load paragraph, all the v's in that paragraph are megawatts, not megavolts.					
Motion to Adjourn	Motion: Baer	Second: Sheaffer				
Electric Committee						
Meeting	To adjourn the Electric Commit	tee at 6:36 pm.				
Passed	Roll call on above motion:					
Yea-3	Yea-McColley, Baer, Sheaffer					
Nay-0	Nay-					
Approved						
December 12, 2016						
	Patrick McColley, Acting Chair					

DECEMBER 2016 City of Napoleon, Ohio														
DETERMINATION OF MONTHLY - POWER SUPPLY COST ADJUSTMENT FACTOR (PSCAF)														
AMP		City	P	urchased Power					Rolling		Less: Fixed	PSCA		PSCAF
Billed	City	Net (Prior Mo)		Supply Costs	Rolling 3-M	/0	onth Totals		3 Month		Base Power	Dollar		3 MONTH
Usage	Billing	kWh		(Net of Known)	Current + P			-	Average		Supply	Difference		AVERAGED
Month	Month	Delivered		(Credit's)	kWh		Cost	-	Cost		Cost	+ or (-)		FACTOR
(a)	(b)	(c)		(d)	(e)		(f)		(g)		(h)	(i)		(j)
()	()	Actual Billed		Actual Billed	c + prior 2 Mo		d + prior 2 Mo		f/e	\$0.	07194 Fixed	g + h		i X 1.075
Nov '14	Jan '15	13,630,693	\$	1,048,435.47	39,521,652	\$	2,928,938.99	\$	0.07411	\$	(0.07194)	\$ 0.00217	\$	0.00233
Dec '14	Feb '15	14,030,217	\$	1,077,557.19	40,617,941	\$	3,133,373.63	\$	0.07714	\$	(0.07194)	\$ 0.00520	\$	0.00559
Jan '15	Mar '15	14,814,734	\$	1,036,847.14	42,475,644	\$	3,162,839.80	\$	0.07446	\$	(0.07194)	\$ 0.00252	\$	0.00271
Feb '15	April '15	13,867,347	\$	960,357.18	42,712,298	\$	3,074,761.51	\$	0.07199	\$	(0.07194)	\$ 0.00005	\$	0.00005
March '15	May '15	13,844,262	\$	1,003,564.83	42,526,343	\$	3,000,769.15	\$	0.07056	\$	(0.07194)	\$ (0.00138)	\$	(0.00148)
April '15	June '15	12,167,778	\$	886,097.15	39,879,387	\$	2,850,019.16	\$	0.07147	\$	(0.07194)	\$ (0.00047)	\$	(0.00051)
May '15	July '15	11,261,298	\$	881,002.83	37,273,338	\$	2,770,664.81	\$	0.07433	\$	(0.07194)	\$ 0.00239	\$	0.00257
Jun '15	Aug '15	13,738,522	\$	916,655.51	37,167,598	\$	2,683,755.49	\$	0.07221	\$	(0.07194)	\$ 0.00027	\$	0.00029
Jul '15	Sep '15	15,053,827	\$	979,654.01	40,053,647	\$	2,777,312.35	\$	0.06934	\$	(0.07194)	\$ (0.00260)	\$	(0.00280)
Aug '15	Oct '15	15,336,926	\$	965,909.05	44,129,275	\$	2,862,218.57	\$	0.06486	\$	(0.07194)	\$ (0.00708)	\$	(0.00761)
Sept '15	Nov '15	14,245,268	\$	1,020,249.35	44,636,021	\$	2,965,812.41	\$	0.06644	\$	(0.07194)	\$ (0.00550)	\$	(0.00591)
Oct '15	Dec '15		\$	809,877.76	43,092,676	\$	2,796,036.16	\$	0.06488	\$	(0.07194)	\$ (0.00706)	\$	(0.00758)
Nov '15	Jan '16	13,060,476	\$	939,293.49	40,816,226	\$	2,769,420.60	\$	0.06785	\$	(0.07194)	\$ (0.00409)	\$	(0.00440)
Dec '15	Feb '16	13,634,579	\$	863,769.64	40,205,537	\$	2,612,940.89	\$	0.06499	\$	(0.07194)	\$ (0.00695)	\$	(0.00747)
Jan '16	Mar '16	14,813,772	\$	1,060,489.73	41,508,827	\$	2,863,552.86	\$	0.06899	\$	(0.07194)	\$ (0.00295)	\$	(0.00317)
Feb '16	Apr '16	13,961,098	\$	1,012,584.64	42,409,449	\$	2,936,844.01	\$	0.06925	\$	(0.07194)	\$ (0.00269)	\$	(0.00289)
Mar '16	May '16	12,975,047	\$	1,017,837.14	41,749,917	\$	3,090,911.51	\$	0.07403	\$	(0.07194)	\$ 0.00209	\$	0.00225
Apr '16	June '16	12,132,975	\$	897,981.75	39,069,120	\$	2,928,403.53	\$	0.07495	\$	(0.07194)	\$ 0.00301	\$	0.00324
May '16	July '16	11,244,178	\$	976,900.73	36,352,200	\$	2,892,719.62	\$	0.07957	\$	(0.07194)	\$ 0.00763	\$	0.00821
June '16	Aug '16	12,200,629	\$	1,068,079.71	35,577,782				0.08272		(0.07194)	\$ 0.01078		0.01159
July '16	Sep '16	13,629,297	\$	1,080,619.47	37,074,104	\$	3,125,599.91	\$	0.08431	\$	(0.07194)	\$ 0.01237	\$	0.01329
Aug '16	Oct '16	15,596,452	\$	1,210,058.88	41,426,378	\$	3,358,758.06	\$	0.08108	\$	(0.07194)	\$ 0.00914	\$	0.00982
Sep '16	Nov '16	14,780,525	\$	1,079,259.61	44,006,274	\$	3,369,937.96	\$	0.07658	\$	(0.07194)	\$ 0.00464	\$	0.00499
Oct '16	Dec '16	12,402,405	\$	955,761.68	42,779,382	\$	3,245,080.17	\$	0.07586	\$	(0.07194)	\$ 0.00392	\$	0.00421

BILLING SUMMARY AND CON		for BILLIN		DECEMB	ER 2016				
2016 - DECEMBER BILLING WITH NOVEMBER			G CTCLE .	DECEMID	<u>EN, 2010</u>				
PREVIOUS MONTH'S POWER BILLS - PI									
DATA PERIOD AMP-Ohio Bill Month				<u> </u>					
	OCTOBER, 2016 NOVEMBER, 2016	<u>31</u> 30	22.771						
City-Monthly Billing Cycle	DECEMBER, 2016								
	============			PKET DOWER-				F	
(FREEMONT		MORGAN STNLY	NORTHERN	JV-2		MELDAHL-HYDRO	
PURCHASED POWER-RESOURCES -> (AMP CT	ENERGY	CHED. @ PJMC		POWER	PEAKING	CSW	SCHED. @	SCHED. @
FORCHASED FOWER-RESOURCES -> [SCHED. @ ATSI		REPLMT@ PJMC		POOL			MELDAHL BUS	GREENUP BUS
Delivered kWh (On Peak) ->				2,827,200	1,382,823	37			138,827
Delivered kWh (Off Peak) ->			0,700,000	2,027,200	305,322	57	1,043,200	210,100	100,021
Delivered kWh (Replacement/Losses/Offset) ->					000,022				
Delivered kWh (heplacement/cosses/onset) ->					-270,227				
					-270,227				
Net Total Delivered kWh as Billed ->	0	0	3,753,368	2,827,200	1,417,918	37	1,049,203	213,198	138,827
Percent % of Total Power Purchased->	0.0000%	0.0000%		22.7956%	11.4326%	0.0003%	8.4597%	1.7190%	1.1194%
COST OF PURCHASED POWER:									
DEMAND CHARGES (+Debits)									
Demand Charges	\$34,835.57	\$41,131.77	\$58,851.09			\$837.26	\$11,513.38	\$4,132.27	\$1,325.94
Debt Services (Principal & Interest)		\$44,279.65	\$99,491.04				\$137,780.07	\$15,418.59	\$4,557.30
DEMAND CHARGES (-Credits)									
Transmission Charges (Demand-Credits)	-\$29,649.45					-\$542.45			
Capacity Credit	-\$62,412.87	-\$34,075.08	-\$15,025.09			-\$1,487.38	-\$2,940.20	-\$1,708.74	-\$882.2
Sub-Total Demand Charges	-\$57,226.75	\$51,336.34	\$143,317.04	\$0.00	\$0.00	-\$1,192.57	\$146,353.25	\$17,842.12	\$5,001.03
ENERGY CHARGES (+Debits):									
Energy Charges - (On Peak)	\$0.00	\$0.00	\$35,295.66	\$177,972.24	\$60,678.56	\$1.63	-\$463.87	-\$22.66	\$131.47
Energy Charges - (Replacement/Off Peak)			,,		\$9,633.65				
Net Congestion, Losses, FTR		\$0.00	\$6,382.55	-\$1,368.41	\$0,000.00		\$1,535.09	\$317.27	\$52.7
Transmission Charges (Energy-Debits)		\$0.00	\$54,337.21	\$1,000111			\$1,000.00	\$011121	40 211
ESPP Charges			¢01,007.21						
Bill Adjustments (General & Rate Levelization)		\$0.00				\$3.46	\$3,359.68	-\$590.93	\$3,001.3
		φ0.00	, 			φ0.40	φ0,000.00	φ000.00	φ0,001.01
ENERGY CHARGES (-Credits or Adjustments):									
Energy Charges - On Peak (Sale or Rate Stabilization					-\$5,960.03				
Net Congestion, Losses, FTR					40,000.00				
Bill Adjustments (General & Rate Levelization)			\$6,991.65				-\$2,098.41	-\$426.40	-\$277.6
Sub-Total Energy Charges	\$0.00	\$0.00	\$103,007.07	\$176,603.83	\$64,352.18	\$5.09	\$2,332.49	-\$722.72	\$2,907.95
TRANSMISSION & SERVICE CHARGES, MISC	•								
RPM / PJM Charges Capacity - (+Debit)									
RPM / PJM Charges Capacity - (+Debit)									
Service Fees AMP-Dispatch Center - (+Debit/-Credit)									
Service Fees AMP-Dispatch Center - (+Debit/-Credit) Service Fees AMP-Part A - (+Debit/-Credit)									
Service Fees AMP-Part B - (+Debit/-Credit)									
Other Charges & Bill Adjustments - (+Debit/-Credit)									
Sub-Total Service Fees & Other Charges	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
TOTAL - ALL COSTS OF PURCHASED POWER	-\$57,226.75	\$51,336.34	\$246,324.11	\$176,603.83	\$64,352.18	-\$1,187.48	\$148,685.74	\$17,119.40	\$7,908.98
Duraharad Duran D	¢0.000000	¢0.000000	¢0.005007	¢0.000.400	¢0.045005	¢00.004054	AD 111710	¢0.000000	#A AFAA
Purchased Power Resources - Cost per kWH->	\$0.000000	\$0.000000	\$0.065627	\$0.062466	\$0.045385	-\$32.094054	\$0.141713	\$0.080298	\$0.056970
L			1				1	1	

BILLING SUMMARY AND CONS	•								
2016 - DECEMBER BILLING WITH NOVEMBER									
PREVIOUS MONTH'S POWER BILLS - PL	<u>l</u>								
DATA PERIOD									
AMP-Ohio Bill Month									
City-System Data Month									
City-Monthly Billing Cycle									
			====WIND====	===SOLAR===	===TRANSMISS	SION, SERVICE	FEES & MISC. CO	ONTRACTS===	
(NYPA	JV-5	JV-6	AMP SOLAR	EFFNCY.SMART	TRANSMISSION	SERVICE FEES	MISCELLANEOUS	TOTAL -
PURCHASED POWER-RESOURCES -> (HYDRO	HYDRO	WIND	PHASE 1	POWER PLANT	CHARGES	DISPATCH, A & B	CHARGES &	ALL
(SCHED. @ NYIS	7x24 @ ATSI	SCHED. @ ATSI	SCHED. @ ATSI	2014 - 2017	Other Charges	Other Charges	LEVELIZATION	RESOURCES
Delivered kWh (On Peak) ->		2,297,472	29,152	125,284		0		0	12,333,75
Delivered kWh (Off Peak) ->	· · · · ·	_,,		,		-			305,322
Delivered kWh (Replacement/Losses/Offset) ->		33,559							33,559
Delivered kWh/Sale (Credits) ->		00,000							-270,22
Net Total Delivered kWh as Billed ->	517,187	2,331,031	29,152	125,284	0	0	0	0	12,402,40
Percent % of Total Power Purchased->	4.1701%	18.7950%	0.2351%	1.0102%	0.0000%	0.0000%	0.0000%	0.0000%	100.0002%
			0.200.70		0.000070	0.000070		Verification Total - >	100.0000%
COST OF PURCHASED POWER:	+ +								.00.0000/8
DEMAND CHARGES (+Debits)	+ +								
Demand Charges	\$6,408.33	\$35,332.94	\$1,576.48			\$113,703.13			\$309,648.16
Debt Services (Principal & Interest)	\$0,100.00	\$55,381.81	\$1,676116			¢1.0,700.10			\$356,908.40
		φ00,001.01							φ000,500.40
DEMAND CHARGES (-Credits)									
		¢11 E07 00	¢117.07						¢41 000 7
Transmission Charges (Demand-Credits)	* 4 440.04	-\$11,587.20	-\$117.67						-\$41,896.77
Capacity Credit	-\$4,412.61	-\$14,514.20	-\$106.71						-\$137,565.09
Sub-Total Demand Charges	\$1,995.72	\$64,613.35	\$1,352.10	\$0.00	\$0.00	\$113,703.13	\$0.00	\$0.00	\$487,094.76
ENERGY CHARGES (+Debits):									
Energy Charges - (On Peak)	\$5,884.92	\$55,210.55		\$10,649.18		\$3,924.40			\$349,262.0
Energy Charges - (Replacement/Off Peak)									\$9,633.6
Net Congestion, Losses, FTR	\$4,061.35								\$10,980.6
Transmission Charges (Energy-Debits)									\$54,337.2 ⁻
ESPP Charges					\$17,863.18				\$17,863.18
Bill Adjustments (General & Rate Levelization)								-\$130,000.00	-\$124,226.43
ENERCY CHARGES (Credite or Adjustments)									
ENERGY CHARGES (-Credits or Adjustments):									6E 000 0
Energy Charges - On Peak (Sale or Rate Stabilization))								-\$5,960.0
Net Congestion, Losses, FTR	ļ			1					\$0.0
Bill Adjustments (General & Rate Levelization)	-\$4,108.18								\$81.0
Bill Adjustments (General & Rate Levelization) Sub-Total Energy Charges	-\$4,108.18 \$5,838.09	\$55,210.55		 \$10,649.18	 \$17,863.18		\$0.00	-\$130,000.00	\$81.0 \$311,971.2
Sub-Total Energy Charges	\$5,838.09	\$55,210.55	\$0.00	\$10,649.18	 \$17,863.18	 \$3,924.40	\$0.00		
Bill Adjustments (General & Rate Levelization) Sub-Total Energy Charges TRANSMISSION & SERVICE CHARGES, MISC.:	\$5,838.09	\$55,210.55	\$0.00	\$10,649.18	 \$17,863.18	\$3,924.40	\$0.00	-\$130,000.00	
Sub-Total Energy Charges	\$5,838.09	\$55,210.55	\$0.00	\$10,649.18	\$17,863.18	\$ 3,924.40 \$146,513.82	\$0.00	-\$130,000.00	\$311,971.2
Sub-Total Energy Charges TRANSMISSION & SERVICE CHARGES, MISC.: RPM / PJM Charges Capacity - (+Debit)	\$5,838.09	\$55,210.55	\$0.00	\$10,649.18	\$17,863.18		\$0.00	-\$130,000.00	\$311,971.2
Sub-Total Energy Charges TRANSMISSION & SERVICE CHARGES, MISC.: RPM / PJM Charges Capacity - (+Debit)	\$5,838.09	\$55,210.55	\$0.00	\$10,649.18	\$17,863.18		\$0.00	-\$130,000.00	\$311,971.2 \$146,513.8 \$0.0
Sub-Total Energy Charges TRANSMISSION & SERVICE CHARGES, MISC.: RPM / PJM Charges Capacity - (+Debit) RPM / PJM Charges Capacity - (-Credit)	\$5,838.09	\$55,210.55	\$0.00	\$10,649.18	\$17,863.18			-\$130,000.00	\$311,971.23 \$146,513.8 \$0.0 \$0.0
Sub-Total Energy Charges 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)	\$5,838.09	\$55,210.55	\$0.00	\$10,649.18	\$17,863.18		\$0.00 \$2,969.55	-\$130,000.00	\$311,971.2 \$146,513.8 \$0.0 \$0.0 \$2,969.5
Sub-Total Energy Charges 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)	\$5,838.09	\$55,210.55	\$0.00	\$10,649.18	\$17,863.18		\$0.00	-\$130,000.00	\$311,971.2 \$146,513.8 \$0.0 \$0.0 \$2,969.5 \$7,212.2
Sub-Total Energy Charges 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)	\$5,838.09	\$55,210.55	\$0.00	\$10,649.18	\$17,863.18		\$0.00 \$2,969.55	-\$130,000.00	\$311,971.2 \$146,513.8 \$0.0 \$0.0 \$2,969.5 \$7,212.2
Sub-Total Energy Charges 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)	\$5,838.09	\$55,210.55 \$55,210.55	\$0.00 \$0.00	\$10,649.18 \$10,649.18	\$17,863.18 \$17,863.00		\$0.00 \$2,969.55	\$130,000.00	\$311,971.2 \$146,513.8 \$0.0 \$0.0 \$2,969.5 \$7,212.2 \$0.0
Sub-Total Energy Charges 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	\$5,838.09 : : 	\$0.00	\$0.00	\$0.00	\$0.00	\$146,513.82	\$0.00 \$2,969.55 \$7,212.26 \$10,181.81	\$0.00	\$311,971.29 \$146,513.8 \$0.0 \$0.0 \$2,969.5 \$7,212.2 \$0.0 \$156,695.6
Sub-Total Energy Charges 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)	\$5,838.09 : :				\$0.00	\$146,513.82	\$0.00 \$2,969.55 \$7,212.26 \$10,181.81 \$10,181.81	\$0.00	\$311,971.2 \$146,513.8 \$0.0 \$0.0 \$2,969.5 \$7,212.2 \$0.0 \$156,695.6 \$75,761.6
Sub-Total Energy Charges 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 TOTAL - ALL COSTS OF PURCHASED POWER	\$5,838.09 	\$0.00 \$119,823.90	\$0.00 \$1,352.10	\$0.00 \$10,649.18	\$0.00 \$17,863.18	\$146,513.82 \$146,513.82 \$146,513.82 \$264,141.35	\$0.00 \$2,969.55 \$7,212.26 	\$0.00 	\$311,971.2 \$311,971.2 \$146,513.8 \$0.0 \$0.0 \$2,969.5 \$7,212.2 \$0.0 \$156,695.6 \$155,761.6 \$955,761.6
Sub-Total Energy Charges 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	\$5,838.09 	\$0.00	\$0.00 \$1,352.10 \$0.046381	\$0.00 \$10,649.18 \$0.085000	\$0.00 \$17,863.18 \$0.000000	\$146,513.82 \$146,513.82 \$146,513.82 \$264,141.35 \$0.000000	\$0.00 \$2,969.55 \$7,212.26 	\$0.00 \$0.00 -\$130,000.00 Verification Total -> \$0.000000	\$311,971.2 \$146,513.8 \$0.0 \$0.0 \$2,969.5 \$7,212.2 \$0.0 \$156,695.6 \$955,761.6



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

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

Northern Power Pool Billing - October, 2016

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

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

GRAND TOTAL POWER INVOICE:

\$807,419.18

DETAIL INFORMATION OF POWER CHARGES October , 2016

FOR THE MONTH OF:	October, 2016		Total Metered Load kWh: Transmission Losses kWh: Distribution Losses kWh: Total Energy Req. kWh:	12,434,925 -32,520 0
TIME OF FENTS PEAK: TIME OF MUNICIPAL PEAK: TRANSMISSION PEAK:	10/18/2016 @ H.E. 13:00 10/06/2016 @ H.E. 16:00 July, 2015		COINCIDENT PEAK kW: MUNICIPAL PEAK kW: TRANSMISSION PEAK kW: PJM Capacity Requirement kW:	21,614 22,771 30,302 29,713
apoleon Resources				
P CT - Sched @ ATSI				
Demand Charge:	\$2.809320	/ kW *	12,400 kW =	\$34,835.5
Transmission Credit:	\$2.391085	/ kW *	-12.400 kW =	-\$29.649.45

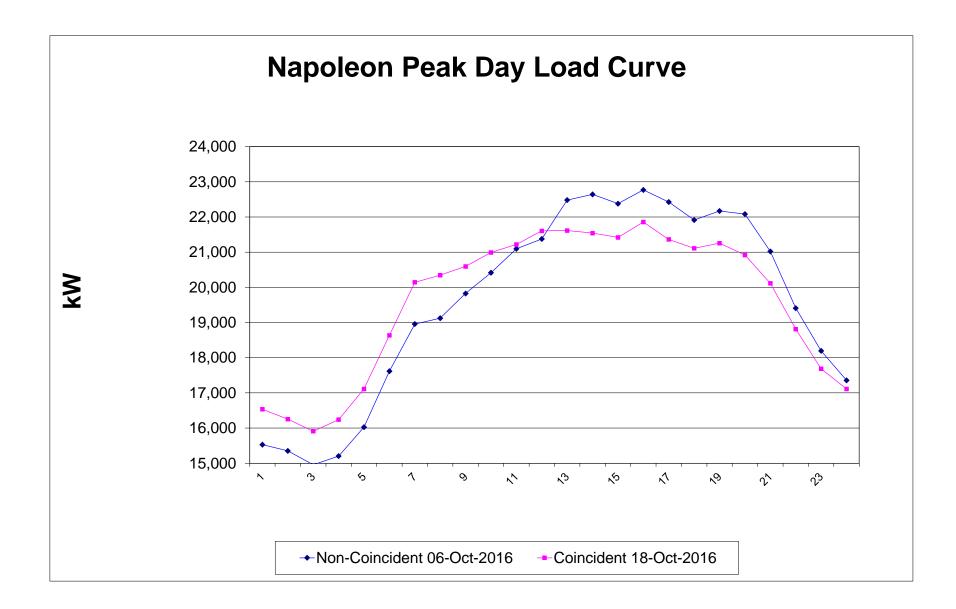
Transmission Credit:	\$2.391085	/ kW *	-12,400 kW =	-\$29,649.45
Capacity Credit:	\$5.033296	/ kW *	-12,400 kW =	-\$62,412.87
Subtotal	#N/A	/ kWh *	0 kWh =	-\$57,226.75
Fremont - sched @ Fremont			-	
Demand Charge:	\$4.691658	/ kW *	8,767 kW =	\$41,131.77
Capacity Credit:	\$3.886743	/ kW *	-8,767 kW =	-\$34,075.08
Debt Service	\$5.050719	/ kW	8,767 kW	\$44,279.65
Subtotal	#N/A	/ kWh *	0 kWh =	\$51,336.34
AMP Hydro CSW - Sched @ PJMC	mya	7 КИ	0 km -	401,000.04
Demand Charge:	\$5.186477	/ kW *	2,220 kW =	\$11,513.38
Energy Charge:	-\$0.000442	/ kWh *	1,049,203 kWh =	-\$463.87
			1,049,203 KW11 =	
Net Congestion, Losses, FTR:	\$0.001463	/ kWh *	0.000 1111	\$1,535.09
Capacity Credit:	\$1.324483	/ kW *	-2,220 kW =	-\$2,940.20
Debt Service	\$62.066321	/ kW	2,220 kW	\$137,780.07
Board Approved Rate Levelization				\$3,359.68
REC Credit (Estimate)				-\$2,098.41
Subtotal	\$0.141713	/ kWh *	1,049,203 kWh =	\$148,685.74
Meldahl Hydro - Sched @ Meldahl Bus				
Demand Charge:	\$8.198948	/ kW *	504 kW =	\$4,132.27
Energy Charge:	-\$0.000106	/ kWh *	213,198 kWh =	-\$22.66
Net Congestion, Losses, FTR:	\$0.001488	/ kWh *		\$317.27
Capacity Credit:	\$3.390357	/ kW *	-504 kW =	-\$1,708.74
Debt Service	\$30.592440	/ kW	504 kW	\$15,418.59
Board Approved Rate Levelization	\$00.002++0	/	004 101	-\$590.93
REC Credit (Estimate)				-\$426.40
Subtotal	¢0,000000	/ 1.///	242 400 1-10/1	
	\$0.080298	/ kWh *	213,198 kWh =	\$17,119.40
JV6 - Sched @ ATSI			000 1111	
Demand Charge:			300 kW	
Energy Charge:			29,152 kWh	
Transmission Credit:	\$0.392233	/ kW *	-300 kW =	-\$117.67
Capacity Credit:	\$0.355700	/ kW *	-300 kW =	-\$106.71
Subtotal	-\$0.007697	/ kWh *	29,152 kWh =	-\$224.38
Greenup Hydro - Sched @ Greenup Bus				
Demand Charge:	\$4.018000	/ kW *	330 kW =	\$1,325.94
Energy Charge:	\$0.000947	/ kWh *	138,827 kWh =	\$131.47
Net Congestion, Losses, FTR:	\$0.000380	/ kWh *		\$52.76
Capacity Credit:	\$2.673364	/ kW *	-330 kW =	-\$882.21
Debt Service	\$13.810000	/ kW	330 kW	\$4,557.30
Board Approved Rate Levelization	\$10.010000	/	000 111	\$3,001.37
REC Credit (Estimate)				-\$277.65
Subtotal	Ê0 056070	/ kWh *	138,827 kWh =	
Prairie State - Sched @ PJMC	\$0.056970	/ KVVII	130,027 KVVII =	\$7,908.98
	A 44 000000		1.070 1.11	A=0.0=4.00
Demand Charge:	\$11.826988	/ kW *	4,976 kW =	\$58,851.09
Energy Charge:	\$0.009404	/ kWh *	3,753,368 kWh =	\$35,295.66
Net Congestion, Losses, FTR:	\$0.001700	/ kWh *		\$6,382.55
Capacity Credit:	\$3.019512	/ kW *	-4,976 kW =	-\$15,025.09
Debt Service	\$19.994180	/ kW	4,976 kW	\$99,491.04
Transmission from PSEC to PJM/MISO, including non-Prairie State				
variable charges/credits	\$0.014477	/ kWh	3,753,368 kWh	\$54,337.21
Board Approved Rate Levelization				\$6,991.65
Subtotal	\$0.065627	/ kWh *	3,753,368 kWh =	\$246,324.11
NYPA - Sched @ NYIS				· ·
Demand Charge:	\$6.795684	/ kW *	943 kW =	\$6,408.33
Energy Charge:	\$0.011379	/ kWh *	517,187 kWh =	\$5,884.92
Net Congestion, Losses, FTR:	\$0.007853	/ kWh *		\$4,061.35
Capacity Credit:	\$4.664493	/ kW *	-946 kW =	-\$4,412.61
Adjustment for prior month:	φ 4 .004495	/	-540 KW =	
· · ·	\$0.04E4.17	/ 1.34/1- +	547.407 LMU	-\$4,108.18
Subtotal	\$0.015147	/ kWh *	517,187 kWh =	\$7,833.81
JV5 - 7X24 @ ATSI			0.005.111	
Demand Charge:			3,088 kW	
Energy Charge:			2,297,472 kWh	
Transmission Credit:	\$3.752332	/ kW *	-3,088 kW =	-\$11,587.20
Capacity Credit:	\$4.700194	/ kW *	-3,088 kW =	-\$14,514.20
Subtotal	-\$0.011361	/ kWh *	2,297,472 kWh =	-\$26,101.40
JV5 Losses - Sched @ ATSI				
Energy Charge:			33,559 kWh	
Subtotal	#N/A	/ kWh *	33,559 kWh =	\$0.00
JV2 - Sched @ ATSI				+-100
Demand Charge:			264 kW	
Energy Charge:	\$0.044042	/ kWh *	37 kWh =	\$1.63
Energy onarge.	φ0.04404 <u>2</u>	/ NVVII	57 KVVII -	\$1.03

DETAIL INFORMATION OF POWER CHARGES October , 2016

Napoleor	ı		
\$2.054735	/ kW *	-264 kW =	-\$542.4
	/ kW *		-\$1,487.38
			-\$2,028.20
		1,040 kW	
\$0.085000	/ kWh *	125,284 kWh =	\$10,649.18
\$0.085000	/ kWh *	125,284 kWh =	\$10,649.18
		3,800 kW	
\$0.062950	/ kWh *	2,827,200 kWh =	\$177,972.24
-\$0.000484	/ kWh *		-\$1,368.4
\$0.062466	/ kWh *	2,827,200 kWh =	\$176,603.83
			\$17,863.18
#N/A	/ kWh *	0 kWh =	\$17,863.18
		7 7	\$60,678.56
		/ -	\$9,633.65
			-\$5,960.03
\$0.045385	/ KWN "	1,417,918 KWN =	\$64,352.18
			\$280,263.14 \$382,832.88
		12 402 405 KWb	\$382,832.83 \$663,096.02
		12,402,405 KWII	\$003,090.02
\$3,752331	/ kW *	30.302 kW =	\$113,703.13
	/ kWh *		\$3,924.40
			\$146,513.82
\$0.026140	/ kWh *	10,104,933 kWh =	\$264,141.3
\$0.000229	/ kWh *	155,609,698 kWh 1/12 =	\$2,969.55
\$0.000580	/kWh *	12,434,925 kWh =	\$7,212.26
			\$10,181.8 ⁻
			-\$130,000.00
			-\$130,000.00
			-\$130,000.00
			\$807,419.18
			₹0V/,419.10
	\$2.054735 \$5.634015 -\$54.800700 \$0.085000 \$0.085000 \$0.062950 -\$0.000484 \$0.062466 #N/A \$0.062466 #N/A \$0.043880 \$0.031552 \$0.022056 \$0.045385 \$0.045385 \$0.045385	\$5.634015 / kW * -\$54.800700 / kWh * \$0.085000 / kWh * \$0.062950 / kWh * \$0.062950 / kWh * \$0.062466 / kWh * \$0.02466 / kWh * \$0.031552 / kWh * \$0.022056 / kWh * \$0.022056 / kWh * \$0.022056 / kWh * \$0.045385 / kWh * \$0.020388 / kWh * \$0.000388 / kWh * \$4.931000 / kW * \$0.000229 / kWh *	\$2.054735 / kW * -264 kW = \$5.634015 / kW * -264 kW = -\$54.800700 / kWh * 37 kWh = 1,040 kW \$0.085000 / kWh * 125,284 kWh = \$0.085000 / kWh * 125,284 kWh = \$0.062950 / kWh * 2,827,200 kWh = -\$0.00484 / kWh * \$0.062466 / kWh * 2,827,200 kWh = #N/A / kWh * 0 kWh = \$0.043880 / kWh * 1,382,823 kWh = \$0.043880 / kWh * 1,382,823 kWh = \$0.043880 / kWh * 1,382,823 kWh = \$0.043585 / kWh * 305,322 kWh = \$0.022056 / kWh * 1,417,918 kWh = \$0.045385 / kWh * 10,104,933 kWh = \$0.000388 / kWh * 10,104,933 kWh = \$0.000388 / kWh * 10,104,933 kWh = \$0.000229 / kWh * 155,609,698 kWh 1/12 =

Napoleon	Capacity Plan - Actual										
Oct 2016	ACTI	JAL DEMAND =	22.771	MW							
Days 31		JAL ENERGY =		MWH							
			12,100]	DEMAND	ENERGY				EFFECTIVE	%
		DEMAND	ENERGY	LOAD	RATE	RATE	DEMAND	ENERGY	TOTAL	RATE	OF
	SOURCE	MW	MWH	FACTOR	\$/KW	\$/MWH	CHARGE	CHARGE	CHARGES	\$/MWH	DOLLARS
	(1)	(2)	(4)	(5)	(6)	(7)	(9)	(10)	(11)	(12)	(13)
1	NPP Pool Purchases	0.00	1,688	0%	\$0.00	\$41.65	\$0	\$70,312	\$70,312	\$41.65	6.5%
2	NPP Pool Sales	0.00	-270	0%	\$0.00	\$22.06	\$0	-\$5,960	-\$5,960	\$22.06	-0.6%
3	AFEC	8.77	0	0%	\$5.86	\$0.00	\$51,336	\$0	\$51,336	\$0.00	4.7%
4	Prairie State	4.98	3,753	101%	\$30.21	\$25.58	\$150,309	\$96,015	\$246,324	\$65.63	22.7%
5	NYPA - Ohio	0.94	517	74%	-\$2.24	\$19.23	-\$2,112	\$9,946	\$7,834	\$15.15	0.7%
6	JV5	3.09	2,297	100%	\$20.92	\$24.03	\$64,613	\$55,211	\$119,824	\$52.15	11.1%
7	JV5 Losses	0.00	34	0% 64%	\$0.00	\$0.00 \$1.02	\$0 ©1 47 015	\$0	\$0	\$0.00 \$141.71	0.0%
8 9	AMP-Hydro Meldahl	2.22 0.50	1,049 213	64% 57%	\$66.50 \$33.38	\$1.02 \$1.38	\$147,615 \$16,825	\$1,071 \$295	\$148,686 \$17,119	\$141.71 \$80.30	13.7% 1.6%
9 10	Greenup	0.33	139	57% 57%	\$33.30 \$23.41	\$1.30 \$1.33	\$7,725	\$295 \$184	\$7,909	\$60.30 \$56.97	0.7%
11	JV6	0.30	29	13%	\$23.41 \$4.51	\$1.33 \$0.00	\$1,352	\$184 \$0	\$7,909 \$1,352	\$46.38	0.1%
12	AMP Solar Phase I	1.04	125	16%	\$0.00	\$85.00	\$0	\$10,649	\$10,649	\$85.00	1.0%
13	Morgan Stanley 2015-2020 7x24	3.80	2,827	100%	\$0.00	\$62.47	\$0	\$176,604	\$176,604	\$62.47	16.3%
14	AMPCT	12.40	0	0%	-\$4.62	\$0.00	-\$57,227	\$0	-\$57,227	\$0.00	-5.3%
15	JV2	0.26	0	0%	-\$4.50	\$44.04	-\$1,189	\$2	-\$1,187	-\$32,085.38	-0.1%
	POWER TOTAL	38.63	12,402	43%			\$379,246	\$414,329	\$793,575	\$63.99	73.3%
16	Energy Efficiency		0		\$0.00	\$0.00	\$0	\$17,863	\$17,863	\$0.00	1.6%
17	Installed Capacity	29.71			\$4.93		\$146,514	\$0	\$146,514	\$11.78	13.5%
18	TRANSMISSION	30.30	10,105		\$3.75	\$0.39	\$113,703	\$3,924	\$117,628	\$9.46	10.9%
19	Distribution Charge	22.77			\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%
20	Service Fee B		12,435			\$0.58		\$7,212	\$7,212	\$0.58	0.7%
21	Dispatch Charge		12,435			\$0.00		\$0	\$0	\$0.00	0.0%
	OTHER TOTAL		-				\$260,217	\$29,000	\$289,217	\$23.26	26.7%
GRAND TOTAL PURCHASED			12,402				\$639,463	\$443,329	\$1,082,792		
Delivered to members		22.771	12,435	73%			\$639,463	\$443,329	\$1,082,792	\$87.08	100.0%
		DEMAND	ENERGY	L.F.					TOTAL \$	\$/MWh	Avg Temp
	2016 Forecast	21.50	13,259	83%					\$1,199,606	\$90.48	52.3
	2015 Actual	22.89	13,525	79%					\$949,998	\$70.24	53.4
	2014 Actual	21.15	13,041	83%					\$904,445	\$69.36	51.5 59.2
									Actual Temp		59.Z

ate 10/1/2016 10/2/2016 10/2/2016 10/2/2016 10/2/2016 10/1	Deter 10/12/016 10		N	0		T	M/	T 1	- · · · ·	0	0		T		T 1	E . (1)	0	
10 13.127 12.151 13.320 14.264 15.320	100 13,127 12,157 13,800 14,226 13,280 13,282 14,825 15,027 <td>ate</td> <td></td> <td></td> <td>Monday 10/3/2016</td> <td></td> <td></td> <td></td> <td></td> <td>,</td> <td>,</td> <td></td> <td>Tuesday 10/11/2016</td> <td></td> <td></td> <td>,</td> <td>Saturday 10/15/2016</td> <td></td>	ate			Monday 10/3/2016					,	,		Tuesday 10/11/2016			,	Saturday 10/15/2016	
20 12,912 11,806 13,223 14,824 14,728 14,227 15,225 12,808 30 12,071 11,806 13,124 11,224 13,225 14,808 14,026 14,605	200 12,212 11,806 13,223 14,127 13,443 15,353 10,008 13,106 11,268 13,825 14,024 14,288 14,024 14,288 14,024 14,288 14,024 14,288 14,028 16,038 16,038 16,038 16,038 16,038 16,038 16,038 16,038 16,038 16,048 14,028 16,048 14,028 16,048 14,028 16,048 14,028 16,048 14,028 16,048 14,028 16,048 14,028 16,048 14,028 16,048 16,048 16,048 16,048 <td></td> <td>10 107</td> <td>10 151</td> <td>12 260</td> <td>14 065</td> <td>12 790</td> <td>15 520</td> <td>16 522</td> <td>12 526</td> <td>10.006</td> <td>12 920</td> <td>15 027</td> <td>15 092</td> <td>14.064</td> <td>15 070</td> <td>12 901</td> <td></td>		10 107	10 151	12 260	14 065	12 790	15 520	16 522	12 526	10.006	12 920	15 027	15 092	14.064	15 070	12 901	
30 12,072 11,888 15,189 15,244 14,280 15,040 15,240 15,240 15,240 15,240 15,240 15,240 15,240 15,240 15,240 15,200 15,220 15,230 15,260 15,270 15,220 15,270	300 12,572 11,868 11,890 14,592 14,585 14,896 15,783 11,824 11,824 11,824 14,895 14,592 14,585 14,895 15,783 15,160 11,764 15,385 16,395 <th16,395< th=""> <th16,395< th=""></th16,395<></th16,395<>																	
440 12,574 12,081 13,160 13,579 13,160 11,573 13,160 14,382 14,908 14,378 15,102 15,307 15,102 15,307 15,102 15,307 15,102 15,307 <td>400 12,874 12,081 13,161 14,468 15,152 15,202 15,203 15,120 15,203 15,204 15,203 15,203 15,204 15,203 15,203 15,205 15,203 15,203 14,024 14,025 18,207 18,207 18,207 18,207 18,207 18,207 18,207 18,207 18,207 18,207 18,203 19,204 10,016 21,277 21,277 12,287 14,202 18,404 18,208 12,227 12,207 14,202 18,404 18,208 12,227 12,203 14,402 16,403 12,203<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td>	400 12,874 12,081 13,161 14,468 15,152 15,202 15,203 15,120 15,203 15,204 15,203 15,203 15,204 15,203 15,203 15,205 15,203 15,203 14,024 14,025 18,207 18,207 18,207 18,207 18,207 18,207 18,207 18,207 18,207 18,207 18,203 19,204 10,016 21,277 21,277 12,287 14,202 18,404 18,208 12,227 12,207 14,202 18,404 18,208 12,227 12,203 14,402 16,403 12,203 <td></td>																	
550 13.080 12.247 14.552 15.778 15.260 15.786 15.786 15.866 15.860 15.871 15.260 500 13.787 12.782 17.731 15.260 15.260 15.271 15.200 17.386 15.871 13.485 13.382 12.785 15.271 15.280 17.378 15.266 15.571 15.267 15.271 15.285 15.571 15.271 15.281 15.464 17.371 15.587 15.866 15.571 15.271 15.271 15.271 15.281 15.464 15.271 15.281 15.264 15.271 15.281 15.271 15.281	500 13.080 12.297 14.655 15.716 14.022 15.040 13.382 12.033 15.286 15.786 15.770 15.786 15.887 17.797 17.856 13.305 15.286 15.287 15.886 15.287 15.886 15.877 15.886 15.877 15.886 15.877 15.886 15.877 15.886 15.877 15.886 15.877 15.886 15.877 15.886 15.877 15.886 15.877 15.886 15.877 15.886 15.877 17.838 15.897 15.887 15.887 15.887 15.887 17.838 15.897 17.838 15.897 17.838 15.897 17.838 15.897 17.838 15.897 17.838 15.897 17.838 15.897 17.838 15.897 <td></td>																	
bit	600 13,679 12,729 15,734 16,820 15,889 17,817 17,850 13,852 13,852 15,248 15,249 15,200 15,800 17,939 16,865 17,339 16,865 15,330 15,930 17,932 18,270 18,207 18,238 18,238 18,359 18,355 18,348 18,247 18,330 16,360 18,275 18,238 18,237 18,237 18,238 18,237 18,238 18,237 18,238 18,237 18,238 18,237 18,238 18,237 18,238 18,237 18,238 18,237 18,238 18,237 18,238 18,237 18,238 18,237 18,238 18,237 18,238 18,237 18,238 18,237 <td></td>																	
TOD 14,165 13,102 17,280 17,285 18,277 18,287 11,282 18,277 18,278 18,287 18,288 18,288 18,238 <td>TO 14,105 13,102 17,203 17,806 16,870 18,862 14,220 13,303 15,713 15,335 15,336 15,327 13,704 18,875 18,867 18,893 18,867</td> <td></td>	TO 14,105 13,102 17,203 17,806 16,870 18,862 14,220 13,303 15,713 15,335 15,336 15,327 13,704 18,875 18,867 18,893 18,867																	
B00 14.681 13.446 16.376 18.767 18.278 18.948 14.752 D00 15.371 13.446 18.707 15.246 18.377 15.324 18.877 15.281 D00 15.411 14.421 18.776 18.328 12.3761 13.446 19.307 18.847 18.287 18.287 18.287 15.281 1000 15.411 14.212 18.776 18.328 12.777 15.341 14.368 18.807 18.807 18.928 18.484 15.285 1300 14.964 14.022 18.772 18.272 18.272 18.276 15.278 18.276 18.276 18.278 18.244 18.984 18.944 18.991 14.443 1400 14.678 14.437 18.640 17.726 18.247 14.440 17.388 18.656 19.177 17.298 14.452 14.792 17.275 18.247 18.244 18.944 18.944 18.944 18.944 18.944 18.944 18.944 18.944 18.944 18.944 18.945 17.777 18.345 <t< td=""><td>B00 14,681 13,406 18,272 18,153 17,380 19,124 19,153 14,203 13,309 18,060 18,715 18,557 18,238 18,237 1000 15,541 14,212 18,678 18,845 17,578 17,578 17,578 17,578 17,578 17,578 17,577 15,546 13,715 18,845 19,016 18,945 18,947 18,946 18,945 19,143 17,77 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72<td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td></t<>	B00 14,681 13,406 18,272 18,153 17,380 19,124 19,153 14,203 13,309 18,060 18,715 18,557 18,238 18,237 1000 15,541 14,212 18,678 18,845 17,578 17,578 17,578 17,578 17,578 17,578 17,577 15,546 13,715 18,845 19,016 18,945 18,947 18,946 18,945 19,143 17,77 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 17,72 <td></td>																	
B00 15.307 13.304 18.704 18.675 18.685 <td>990 15,307 13,704 18,706 18,854 17,897 19,827 19,831 15,564 13,761 18,346 19,309 18,857 18,894 18,77 1000 15,414 14,047 18,759 19,175 18,171 15,548 14,025 18,907 18,935 18,984 18,221 19,165 18,945 18,222 18,435 18,945 18,222 18,435 18,984 18,221 19,165 18,945 18,222 18,430 18,984 18,555 14,677 14,476 18,461 18,281 18,555 14,677 14,476 18,267 11,773 18,773 18,771 18,773 18,301 19,071 17,73 17,77 17,73 18,301 19,491 19,433 17,72 17,72 18,307 18,307 18,307 18,307 18,307 18,301 18,917 18,737 18,301 18,918 12,326 17,77 17,73 18,307 18,301 18,917 18,737 18,301 18,918 18,927 1</td> <td></td>	990 15,307 13,704 18,706 18,854 17,897 19,827 19,831 15,564 13,761 18,346 19,309 18,857 18,894 18,77 1000 15,414 14,047 18,759 19,175 18,171 15,548 14,025 18,907 18,935 18,984 18,221 19,165 18,945 18,222 18,435 18,945 18,222 18,435 18,984 18,221 19,165 18,945 18,222 18,430 18,984 18,555 14,677 14,476 18,461 18,281 18,555 14,677 14,476 18,267 11,773 18,773 18,771 18,773 18,301 19,071 17,73 17,77 17,73 18,301 19,491 19,433 17,72 17,72 18,307 18,307 18,307 18,307 18,307 18,301 18,917 18,737 18,301 18,918 12,326 17,77 17,73 18,307 18,301 18,917 18,737 18,301 18,918 18,927 1																	
1000 15.411 14.212 18.78 18.984 18.930 20.46 20.500 15.773 13.815 18.807 18.907 18.903 18.984 15.582 1200 15.483 14.472 18.795 15.775 21.977 15.480 14.022 19.335 18.988 18.984 18.823 15.773 1200 15.471 14.771 15.548 14.022 19.335 18.988 18.988 18.582 1400 15.771 15.548 14.622 19.335 18.988 18.560 19.777 17.943 17.745 14.440 19.777 17.943 17.745 14.450 1600 14.747 14.461 14.921 17.64 18.300 18.942 21.967 14.469 17.790 18.907 18.943 17.793 14.578 1700 14.464 14.421 17.64 18.300 18.942 21.942 20.972 14.463 14.692 17.75 17.35 14.581 14.971 18.997 16	1000 15,411 14,212 16,768 16,379 20,450 15,773 13,815 18,689 18,807 18,907 18,929 18,729 1100 15,363 14,442 15,159 15,175 21,069 21,077 15,549 14,226 18,822 19,165 19,335 18,989 18,52 1200 14,474 18,570 19,409 19,242 22,777 25,867 15,189 18,080 19,189 19,344 18,444 18,34 1400 14,714 14,474 18,031 19,016 22,777 22,007 14,4719 14,469 16,079 18,070 18,349 18,040 17,933 17,77 1800 14,677 14,780 17,845 18,980 22,107 14,643 16,643 18,041 19,135 17,72 17,72 1900 15,011 15,490 17,845 18,980 21,102 18,885 14,867 17,770 18,394 18,141 19,135 19,471 17,723																	
1100 15.383 14.047 18.789 19.175 18.715 18.716 15.900 14.062 18.71 19.010 18.944 18.229 18.848 15.726 1200 15.469 14.402 18.159 19.159 19.221 19.410 18.848 19.222 19.440 18.844 18.841 14.417 1200 14.464 14.202 18.411 19.272 12.482 21.727 15.548 14.420 18.845 19.222 19.440 18.844 18.944 18.944 18.941 18.944 18.941 18.944 18.941 18.9	1100 15,363 14,047 18,759 19,270 15,049 21,075 15,548 14,052 18,751 19,010 18,948 18,279 18,989 18,55 1300 14,644 14,025 18,872 19,821 19,272 22,482 21,722 15,548 14,026 18,845 19,222 19,340 15,944 12,644 21,687 14,473 18,474 18,441 18,344 18,344 18,344 18,344 18,344 18,344 18,344 18,344 18,346 14,427 14,471 14,447 18,340 18,346 12,227 22,377 12,466 14,402 17,709 18,708 19,348 19,349 17,775 17,72 17,77 14,746 14,463 16,077 18,708 19,346 19,343 17,77 17,77 17,77 14,767 14,746 14,626 16,771 18,708 19,346 17,77 17,77 17,77 18,378 19,346 14,463 16,077 18,774 14,463 16,077 17,717 17,77 17,717 18,304 16,126 16,774 117,726 117,726																	
1200 15,469 14,120 15,872 19,213 19,213 19,213 19,222 19,165 19,232 19,335 19,968 18,823 11,77 1400 15,522 14,247 18,570 19,408 19,463 12,222 13,305 18,863 19,168 19,243 19,443 11,335 11,444 18,443 11,335 14,471 1400 14,464 14,471 17,476 11,335 11,477 11,335 11,471 11,335 11,471 11,335 11,471 11,335 11,471 11,335 11,471 11,335 11,471 11,335 11,775 11,357 14,579 1000 14,677 14,780 11,816 11,335 11,775 11,357 11,559<	1200 15,469 14,120 19,159 19,159 19,169 19,135 19,936 18,936 18,937 12,273 21,577 15,544 14,026 18,845 19,232 19,443 18,444 18,84 1400 15,122 14,247 18,871 18,470 18,474 18,471 18,444 18,371 12,772 15,504 14,470 19,485 19,473 18,444 18,301 1400 14,770 14,474 18,471 18,441 18,305 12,772 22,087 14,476 14,480 17,786 18,207 19,384 18,004 17,77 17,93 1404 14,221 17,647 18,404 16,896 22,771 20,822 15,368 16,600 18,087 19,374 19,771 17,723 17,73 1404 14,281 15,671 18,614 16,862 12,873 13,486 16,600 18,087 18,026 17,771 17,723 14,39 16,674 17,703 14,416 16,103																	
1400 14.024 14.025 14.026 14.026 14.026 14.026 14.026 19.043 19.044 18.061 14.417 1500 14.678 14.437 18.70 19.051 19.018 19.043 19.044 18.061 14.674 14.678 14.437 18.010 19.118 19.775 17.726 14.774 14.001 14.701 14.746 14.432 17.754 17.755 17.755 17.755 17.755 17.755 15.507 15.508 15.508 15.607 18.267 19.025 15.605 15.502 15.508 15.607 18.267 19.045 17.915 15.502 15.502 15.607 18.667 18.065 15.622 15.605 15.502 15.605 15.626 15.522 15.626 18.661 15.927 13.233 14.463 15.746 17.045 15.627 15.626 16.825 16.935 15.627 15.626 15.827 13.233 14.443 15.746 15.288 15.827 15.	1300 14,964 14,025 18,872 19,842 19,223 22,482 21,728 15,304 14,026 18,845 19,222 19,430 16,994 18,934 1500 14,478 14,437 18,410 19,118 19,274 22,379 21,865 14,672 14,409 17,938 18,550 19,177 17,393 177,715 17,393 17,715 17,393 19,279 17,715 17,393 19,279 17,715 17,393 19,279 17,715 17,393 17,715 17,393 19,279 17,715 17,375 17,715 17,375 17,715 17,375 17,715 17,375 17,715 17,375 17,715 17,375 17,375 17,375 17,375 14,465 11,6474 11,446 19,440 18,445 14,445 11,446 19,440 18,445 14,445 11,446 19,440 18,445 14,445 14,445 11,445 19,476 11,446 19,440 11,446 19,440 11,446 11,446 11,446 11,446 11,446 11,446 11,446 11,446 11,446 11,446																	
1400 15,122 14,247 18,270 19,449 19,449 19,449 19,449 19,449 19,449 19,389 17,78 19,389 17,78 14,778 14,778 1600 14,770 14,474 18,401 19,051 11,051 11,051 11,051 11,051 11,051 11,051 11,051 11,051 11,051 11,051 11,051 11,051 11,051 11,055	1400 15,122 14,247 18,370 19,649 19,643 18,444 18,370 18,474 18,474 18,474 18,474 18,474 18,474 18,474 18,474 18,474 18,474 18,474 18,474 18,77 77,79 14,444 14,420 17,79 18,709 18,705 19,374 18,004 17,77 17,79 1400 14,677 14,780 17,745 18,303 18,991 22,771 22,087 14,476 14,462 17,710 18,305 19,143 17,779 17,729 17,729 17,729 17,729 17,729 17,729 17,729 17,729 17,729 17,729 17,729 17,729 17,729 17,729 17,710 18,724 19,144 19,144 19,144 19,144 19,144 16,110 17,719 18,223 11,042 17,357 14,395 12,633 14,045 17,745 14,244 16,110 14,444 16,110 14,444 16,110 14,444 16,110 14,444 <																	
1600 14,678 14,437 18,410 19,171 17,288 14,629 17,388 18,509 19,374 17,789 14,459 1700 14,464 18,821 17,664 18,308 18,509 19,374 18,004 17,779 14,450 1800 14,677 14,760 18,267 19,289 17,715 17,325 14,459 1800 14,077 14,764 18,409 17,716 18,308 19,314 17,729 14,459 1800 14,077 17,406 18,509 19,771 16,334 16,522 16,189 10,771 18,228 17,715 14,578 14,167 14,146 16,426 16,103 17,918 19,408 17,555 14,483 16,746 17,628 17,808 18,192 17,570 14,483 16,226 16,128 14,574 14,493 16,246 17,016 15,229 13,239 12,667 14,030 15,475 15,586 15,815 15,825 13,829 12,901 10,22,016 10,22,016 10,22,016 10,22,016 10,22,016 10,22,016 <t< td=""><td>1500 14.678 14.437 16.400 19.616 19.671 19.661 19.671 19.661 19.671 19.676 19.671 19.676 19.671 19.676 19.671 19.676 19.671 19.676 19.671 19.676 19.671 17.70 17.71 17.71 17.72 17.72 17.72 17.72 17.72 17.72 17.72 17.72 17.72 17.72 17.72 17.72 17.72 17.71 18.287 19.394 18.494 17.72 17.72 17.72 17.71 18.287 19.394 18.494 17.72 17.72 17.71 18.297 19.44 15.167 17.71 18.273 17.7 18.287 18.987 18.985 18.784 19.146 18.425 17.73 2100 14.57 15.167 17.761 18.002 17.98 14.955 14.428 15.406 18.026 17.3 2100 14.57 14.828 15.000 15.476 15.428 15.428 15.428 15.428 15.428 15.428 15.428 15.428 15.428 15.428 15.428</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	1500 14.678 14.437 16.400 19.616 19.671 19.661 19.671 19.661 19.671 19.676 19.671 19.676 19.671 19.676 19.671 19.676 19.671 19.676 19.671 19.676 19.671 17.70 17.71 17.71 17.72 17.72 17.72 17.72 17.72 17.72 17.72 17.72 17.72 17.72 17.72 17.72 17.72 17.71 18.287 19.394 18.494 17.72 17.72 17.72 17.71 18.287 19.394 18.494 17.72 17.72 17.71 18.297 19.44 15.167 17.71 18.273 17.7 18.287 18.987 18.985 18.784 19.146 18.425 17.73 2100 14.57 15.167 17.761 18.002 17.98 14.955 14.428 15.406 18.026 17.3 2100 14.57 14.828 15.000 15.476 15.428 15.428 15.428 15.428 15.428 15.428 15.428 15.428 15.428 15.428 15.428																	
1000 14,710 14,746 18,031 19,061 19,061 12,277 22,087 14,468 14,637 18,079 19,208 17,715 17,715 17,755 17,557 14,569 1800 14,677 14,760 17,445 18,308 18,991 22,1916 20,470 14,465 14,687 17,710 18,339 19,243 17,729 17,221 14,557 2000 15,412 15,791 18,771 18,072 19,368 15,608 18,086 18,086 18,028 17,026 17,258 15,537 2000 15,412 15,701 18,057 18,026 17,357 14,359 14,426 16,122 17,717 17,357 14,559 2010 14,357 18,057 18,026 17,057 14,369 14,268 16,026 17,026 14,359 14,369 16,027 17,767 14,269 14,026 16,027 17,767 14,269 14,026 14,036 16,026 17,89 14,029 12,076 14,036 16,026 15,046 16,056 16,058 16,076 12,089	1600 14,710 14,746 18,031 19,051 19,616 22,771 22,087 14,463 14,402 17,769 18,267 19,394 18,708 17,77 17,71 17,73 17,00 14,677 17,745 17,73 17,72<																	
$ \begin{array}{c} 1700 & 14,464 \\ 14,821 & 17,864 & 18,480 & 18,986 & 22,426 & 21,367 & 14,480 & 17,709 & 18,267 & 17,268 & 17,715 & 17,327 & 14,569 \\ 1900 & 15,011 & 15,490 & 17,618 & 18,330 & 18,991 & 21,105 & 20,382 & 15,346 & 15,643 & 18,681 & 19,135 & 19,771 & 18,723 & 17,255 & 15,552 \\ 2100 & 14,412 & 15,718 & 15,167 & 17,617 & 18,002 & 18,991 & 21,022 & 18,856 & 14,896 & 15,600 & 18,704 & 19,146 & 19,140 & 19,846 & 17,738 & 15,552 \\ 2100 & 14,425 & 15,167 & 17,617 & 18,002 & 18,999 & 21,022 & 18,856 & 14,182 & 16,600 & 18,704 & 19,146 & 19,140 & 18,846 & 17,398 & 15,387 \\ 2200 & 14,252 & 13,807 & 15,510 & 15,06 & 16,023 & 17,118 & 19,404 & 17,555 & 14,182 & 14,403 & 16,746 & 17,063 & 16,805 & 16,842 & 16,472 & 14,698 \\ 2200 & 12,474 & 13,828 & 15,000 & 14,418 & 16,122 & 17,376 & 14,594 & 12,675 & 14,022 & 15,775 & 15,885 & 10,927 & 10222016 & 102220016 & 102220016 & 10222016 & 102220016 & 102220016 & 10222016 & 10222016 & 102220016 & 10222016 & 10222016 & 102220016 & 102220016 & 10222016 & 102220016 & 10222016 & 10222016 & 10222016 & 102220016 & 102220016 & 10222016 & 102220016 & 102220016 & 10222016 & 102220016 & 102220016 & 10222016 & 102220016 & 102220016 & 10222016 & 10222016 & 10222016 & 102220016 & 10222016 & 102220016 & 102220016 & 102220016 & 102220016 & 102220016 & 10222016 & 102220016 & 10$	1700 14.464 14.821 17.654 18.440 18.996 22.426 21.367 14.465 14.402 17.090 18.267 19.269 17.715 17.729 17.746 17.840 18.845 17.940 18.845 17.940 18.845 17.940 18.845 17.955 14.845 15.060 18.949 17.450 18.845 16.305 14.845 17.357 14.349 16.767 14.349 15.845 <td></td>																	
1600 1677 14780 17745 18735 18930 21.916 20.470 14.687 17.710 18.300 14.33 17.229 17.331 14.572 2000 15.412 15.791 18.793 19.012 19.864 20.062 15.618 16.608 18.964 19.146 19.146 19.445 17.755 15.522 2100 14.353 15.777 17.855 15.889 11.895 15.867 18.025 18.695 16.128 17.365 15.50 16.22 18.881 16.305 16.428 16.438 15.305 16.428 16.448 16.418 16.438 13.803 240 13.828 15.503 14.44 16.22 17.357 14.349 12.675 14.032 15.476 15.588 15.490 14.207 10.22016 10.22016 10.22016 10.22016 10.22.016 10.22.016 10.22.016 10.22.016 10.22.016 10.22.016 10.22.016 10.22.016 10.22.016 10.22.016 10.22.016 1	14677 14.780 17.745 17.745 17.745 17.745 17.740 18.390 19.131 17.729 17.72 2000 15.412 15.791 18.579 19.579 18.579 19.771 18.223 17.29 2000 15.412 15.791 18.579 19.717 18.026 17.3 2200 14.157 14.146 16.426 16.103 17.918 19.408 17.555 14.463 16.746 17.063 17.450 16.649 16.110 16.649 16.101 14.643 16.746 17.063 17.450 15.229 13.263 14.048 15.921 16.255 14.032 15.475 15.568 15.845 15.829 13.22 342.629 30.931 405.34 415.54 400.969 470.340 455.71 346.643 329.36 410.576 422.848 429.189 417.570 14.20 10.762.016 10.772.016 10.92.016 10.92.2016 10.92.2016 10.92.2016 10.92.840 15.8179 <td></td>																	
1900 15,011 15,490 18,194 18,723 19,771 18,723 17,955 15,622 2100 14,412 15,771 18,773 19,072 18,899 15,001 15,601 18,086 18,086 18,086 18,086 18,086 18,086 18,086 18,086 18,086 18,086 18,086 18,086 18,086 18,086 18,086 18,086 18,086 18,087 18,026 16,433 13,033 14,033 16,746 17,063 17,460 16,433 13,033 14,032 15,747 18,086 15,011 14,433 16,746 17,028 15,033 13,303 14,032 15,741 16,128 17,337 14,349 12,675 14,032 16,745 15,686 15,610 10,272,016 10,220,016 10,220,016 10,220,016 10,220,016 10,220,016 10,220,016 10,220,016 10,220,016 10,220,016 10,220,016 10,220,016 10,220,016 10,220,016 10,220,016 10,220,016 10,220,016 10,220,016	1900 15.011 15.490 18.194 18.735 19.580 22.170 20.382 15.308 15.643 18.681 19.135 19.771 18.723 17.72 2100 14.335 15.167 17.617 18.002 18.899 21.002 18.865 14.965 15.060 18.794 18.162 18.697 18.062 17.343 2200 14.157 14.144 16.646 16.103 17.918 11.925 14.438 16.746 17.618 16.449 16.101 14.622 2400 12.547 13.828 15.003 14.418 16.128 17.357 14.349 12.675 14.032 15.475 15.668 15.815 15.829 13.22 10/16/2016 10/17/2016 10/19/2016 10/20/2016 10/22/2016 10/23/2016 10/23/2016 10/22/2016 10/22/2016 10/22/2016 10/22/2016 10/22/2016 10/22/2016 10/22/2016 10/22/2016 10/22/2016 10/22/2016 10/22/2016 10/22/2016 10/22/2016 10/22																	
2000 15,412 15,791 16,797 19,679 19,624 22,084 20,024 15,866 15,600 18,746 19,140 19,446 19,140 18,945 17,915 15,587 2200 14,157 14,146 16,426 16,033 17,316 17,315 14,438 15,606 16,806 17,456 16,805 17,359 14,048 15,725 16,805 15,815 15,829 13,320 13,320 13,320 13,320 13,320 13,320 13,320 13,250 12,665 14,048 15,475 15,586 15,815 15,829 12,675 14,022 15,775 15,586 15,815 15,289 12,960 12,960 10,072,016 10,022,016	2000 15,412 15,791 19,742 19,742 19,746 19,746 19,746 19,740 14,845 17,37 2000 14,157 14,146 16,425 16,103 17,918 19,408 17,555 14,182 14,453 16,746 17,063 17,450 16,605 164,805 2000 13,224 13,807 15,510 15,025 18,195 15,927 13,323 14,048 15,515 15,585 15,815 15,829 13,22 342,629 330,931 405,346 415,454 400,969 470,340 455,714 346,643 329,336 410,576 422,848 429,189 417,570 412,00 10/16/2016 10/17/2016 Tuesday Tuesday Monday Tuesday Monday Tuesday Monday Tuesday Monday Tuesday Monday Tuesday Monday Tuesday																	
12100 14,935 15,167 17,617 18,020 18,089 12,022 18,485 18,080 18,080 18,080 18,085 18,026 17,396 17,386 15,387 2000 13,282 13,007 15,510 15,065 16,225 18,195 15,927 13,263 14,443 15,527 15,688 16,128 14,463 15,475 15,588 16,129 13,202 14,032 15,475 15,588 15,165 15,287 13,203 410,576 422,848 429,189 417,570 14,208 33,203 410,576 422,848 429,189 417,570 112,029 10,292,016 10,223,016 10,242,016 10,256,201 10,242,016 10,228,2016 10,282,016 10,282,016 10,282,016 10,229,016 10,229,016 10,223,016 10,223,016 10,228,016 10,229,016 10,228,016 10,228,016 10,229,016 10,228,016 11,216 11,224 11,812 11,812 11,812 11,812 11,812 11,812 11,812 11,812 1	2100 14,935 15,167 17,17 11,002 18,899 21,022 18,889 14,886 15,060 18,086 18,192 18,697 18,026 17,3 2000 13,282 13,807 15,510 15,065 16,425 18,195 15,927 13,283 14,048 15,921 16,128 16,449 16,110 14,46 2400 12,547 13,828 15,005 164,418 16,128 16,449 16,110 14,46 15,921 16,128 16,449 16,110 14,46 2400 12,547 13,828 16,047 10,42016 10,42,409 470,30 455,714 346,643 329,336 410,576 422,848 429,189 417,57 15,869 16,249 10,29,2016 10,24,2016 10,26,2016 10,26,2016 10,26,2016 10,26,2016 10,26,2016 10,26,2016 10,26,2016 10,26,2016 10,22,2016 10,26,2016 10,26,2016 10,26,2016 10,26,2016 10,26,2016 10,26,2016 10,26,2016 10,26,2016																	
2200 14.157 14.167 14.167 14.167 14.167 14.167 14.167 14.167 14.167 14.168 17.557 14.369 14.042 15.058 16.268 16.805 14.468 14.688 2400 12.647 13.828 15.003 14.545 16.925 14.349 12.657 14.032 15.921 15.858 15.815 15.829 13.288 13.288 13.288 13.288 13.288 13.288 13.288 13.288 13.288 13.288 13.288 13.288 13.288 13.288 13.288 13.288 13.288 13.288 140.57 14.18 14.187 14.688 14.982 15.788 14.127 14.288 14.288 14.288 14.288 14.288 14.288 15.888 15.888 15.888 15.888 15.898 15.898 15.898 14.288 14.982 15.941 16.788 12.486 11.889 10.1600 12.241 14.938 15.838 15.838 15.838 15.838 <	2200 14,157 14,142 14,453 16,746 17,048 17,450 16,805 16,449 11,101 14,642 2400 12,547 13,828 15,003 14,418 16,128 17,357 14,349 12,675 14,032 15,475 15,568 15,815 15,802 13,223 14,048 15,921 15,285 15,815 15,802 13,223 14,048 15,921 15,285 15,815 15,802 13,22 14,048 15,921 15,285 15,815 15,802 13,22 14,032 15,475 15,568 15,819 13,22 16,012 10,024,016 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>																	
2300 13.282 13.807 15.510 15.608 16.925 17.357 14.349 12.2675 14.048 15.221 15.268 16.191 14.468 13.803 342,629 30.931 405.46 415.454 400.969 470.340 455.714 366.643 329.336 410.576 422.848 429.189 417.570 412.078 332.600 10162016 10192016 10192016 10022016 10022016 10024016 10024016 10024016 10024016 10024016 10024016 10024016 10024016 10029016 10029016 10029016 10029016 10029016 11,872 11,872 11,872 11,872 11,872 11,872 11,872 11,872 11,872 11,872 11,872 11,872 11,872 11,872 11,872 11,872 11,873 11,874 14,882 15,874 16,176 15,972 11,874 14,873 15,985 15,984 11,475 11,874 14,873 15,985 15,984 16,975 11,985	2300 13,282 13,807 15,510 15,005 16,925 18,195 15,927 13,283 14,048 15,927 13,283 14,048 15,927 15,568 15,656 15,815 15,815 15,826 15,815 15,826 15,815 15,826 13,22 342,629 330,931 405,346 415,454 400,969 470,340 455,714 346,643 329,336 410,576 422,848 429,189 417,570 412,0 10/016/2016 10/17/2016 10/12/2016 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>																	
2400 12,547 13,828 15,003 14,418 16,128 17,357 14,349 12,675 14,032 15,616 15,615 15,629 13,259 12,267 342,629 330,31 405,346 415,454 400,969 470,340 455,714 346,643 329,336 410,576 422,848 429,189 417,570 412,078 30,42,600 10/16206 10/172/016 10/0202016 10/022/016 10/023/016 10/023/016 10/023/016 10/023/016 10/023/016 10/022/016 10/02/016 10/022/016	2400 12,547 13,828 15,003 14,418 16,128 17,357 14,349 12,675 14,032 15,475 15,568 15,815 15,829 13,22 342,629 330,931 405,346 415,454 400,969 470,340 455,714 346,643 329,336 410,576 422,848 429,189 417,570 412,00 Sunday 10/18/2016 Monday 10/18/2016 Tuesday 10/18/2016 Wednesday 10/18/2016 Fiday 10/28/2016 Saturday 10/22/2016 Sunday 10/22/2016 Monday 10/22/2016 Tuesday 10/28/2016 Wednesday 10/28/2016 Fiday 10/28/2016 Saturday 10/28/2016 100 12,314 14,507 16,536 16,341 15,978 15,819 13,229 11,903 13,148 14,982 15,874 16,176 15,768 12,1 300 11,937 14,609 16,242 15,848 15,510 15,844 11,627 13,536 15,044 16,168 15,900 16,242 15,848 15,801 12,12 300 11,937 14,648			14,146	16,426			19,408		14,182		16,746	17,063	17,450	16,805	16,472		
342,629 330,931 405,346 415,454 400,969 470,340 455,714 346,643 329,336 410,76 422,848 429,189 417,570 412,078 342,680 Sunday Monday Tuesday Wednesday Tursday Fiday Saturday Sunday Wednesday Tursday Fiday Saturday Sunday Monday Tuesday Wednesday Tursday Fiday Saturday Sunday Monday Tuesday Wednesday Tursday Sunday Monday Tuesday Wednesday Tursday Sunday	342,629 30,931 405,346 415,54 400,969 470,340 455,714 346,643 329,336 410,576 422,48 429,189 417,570 412,0 301,0162016 101712016 101712016 10192016 1022/2016 102/20/2016 102/20/20							18,195	15,927			15,921		16,449			13,803	
Sunday Monday Tuesday Tuesday Tuesday Monday Tuesday T	Sunday Monday Tuesday Wednesday Thursday Friday Saturday Nonday Tuesday Nonday Tuesday Nonday Tuesday Nonday Tuesday Nonday Nonday Nonday Nonday Nonday Nonday	2400	12,547	13,828	15,003	14,418	16,128	17,357	14,349	12,675	14,032	15,475	15,568	15,815	15,829	13,259	12,960	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		342,629	330,931	405,346	415,454	400,969	470,340	455,714	346,643	329,336	410,576	422,848	429,189	417,570	412,078	342,680	
10/16/2016 10/17/2016 10/18/2016 10/20/2016 10/22/2	10/16/2016 10/17/2016 10/19/2016 10/21/2016 10/22/2016 10/22/2016 10/23/2016 10/25/2016 10/26/2016 10/27/2016 10/28/2016 10/27/2016 10/27/2016 10/28/2016 10/27/2016 10/27/2016 10/28/2016 10/28/2016 10/28/2016 10/28/2016 10/28/2016 10/27/2016 10/28/2016 10/28/2016 10/28/2016 10/28/2016 10/27/2016 10/28/2		Sundav	Monday	Tuesdav	Wednesdav	Thursday	Fridav	Saturdav	Sunday	Monday	Tuesdav	Wednesdav	Thursday	Friday	Saturday	Sunday	Monday
100 12,314 14,507 16,536 16,341 15,978 15,819 13,329 11,903 13,148 14,982 15,784 16,176 15,768 12,436 11,812 200 12,097 14,330 16,253 15,798 15,842 15,728 13,079 11,588 13,093 14,728 15,924 15,968 15,807 12,154 11,859 300 11,872 14,029 16,242 15,683 15,801 13,144 11,555 15,914 16,186 15,910 16,883 17,784 11,875 500 12,015 15,641 17,112 16,618 16,529 12,733 11,768 14,737 15,938 16,970 18,893 17,287 12,491 11,778 600 12,892 19,181 20,144 18,826 19,629 19,457 15,289 12,781 17,830 19,100 20,376 19,966 20,268 13,975 12,094 800 12,892 19,181 20,346 19	$ \begin{array}{c} 100 & 12,314 & 14,507 & 16,536 & 16,341 & 15,978 & 15,819 & 13,329 & 11,903 & 13,148 & 14,982 & 15,784 & 16,176 & 15,768 & 12,21 \\ 300 & 11,872 & 14,123 & 15,910 & 15,348 & 15,510 & 15,501 & 13,144 & 11,556 & 12,914 & 14,598 & 15,870 & 15,912 & 15,719 & 11,91 \\ 400 & 11,937 & 14,609 & 16,242 & 15,863 & 15,850 & 13,486 & 11,627 & 13,536 & 15,044 & 16,168 & 15,900 & 16,068 & 12,22 \\ 500 & 12,015 & 15,641 & 17,112 & 16,618 & 16,529 & 16,597 & 13,739 & 11,768 & 14,737 & 15,938 & 16,970 & 16,893 & 17,287 & 12,4 \\ 600 & 12,479 & 17,491 & 18,636 & 17,747 & 17,994 & 18,001 & 14,367 & 12,133 & 16,179 & 17,519 & 18,700 & 18,295 & 18,394 \\ 700 & 12,884 & 19,115 & 20,144 & 18,826 & 19,629 & 19,457 & 15,288 & 12,781 & 17,830 & 19,100 & 20,376 & 19,606 & 20,268 & 13,9 \\ 800 & 12,882 & 19,181 & 20,346 & 19,468 & 19,901 & 19,685 & 15,823 & 13,007 & 17,966 & 19,195 & 20,660 & 20,152 & 20,290 & 14,3 \\ 900 & 13,487 & 19,696 & 20,595 & 19,721 & 20,017 & 19,526 & 15,931 & 13,376 & 18,091 & 19,194 & 20,636 & 20,058 & 20,056 & 14,8 \\ 1000 & 14,279 & 20,377 & 20,992 & 20,035 & 20,094 & 19,765 & 16,081 & 13,479 & 18,077 & 19,100 & 20,712 & 20,351 & 19,727 & 15,1 \\ 1200 & 15,291 & 21,215 & 21,605 & 20,716 & 20,276 & 19,082 & 15,479 & 13,289 & 18,314 & 18,891 & 20,722 & 19,856 & 19,403 & 14,6 \\ 1400 & 15,576 & 21,449 & 21,541 & 20,365 & 20,091 & 19,484 & 14,474 & 13,291 & 18,308 & 18,225 & 20,447 & 19,497 & 18,714 & 14,4 \\ 1500 & 15,246 & 21,420 & 21,457 & 20,736 & 19,082 & 15,479 & 13,289 & 18,314 & 18,891 & 20,722 & 19,856 & 19,403 & 14,6 \\ 1400 & 15,576 & 21,449 & 21,541 & 20,365 & 20,091 & 19,488 & 14,470 & 13,281 & 18,308 & 18,225 & 20,447 & 19,497 & 18,714 & 14,4 \\ 1500 & 15,246 & 21,420 & 21,457 & 20,351 & 19,726 & 13,339 & 18,564 & 13,751 & 17,251 & 17,703 & 20,045 & 19,457 & 18,181 & 14,0 \\ 1500 & 15,246 & 21,420 & 21,457 & 20,357 & 20,357 & 19,808 & 14,170 & 13,876 & 17,688 & 17,478 & 20,299 & 19,267 & 17,383 & 13,9 \\ 1600 & 15,348 & 21,227 & 21,857 & 20,507 & 19,992 & 18,494 & 15,479 & 13,276 & 17,748 & 20,029 & 18,276$	•	10/16/2016	10/17/2016	10/18/2016	10/19/2016			10/22/2016	10/23/2016	10/24/2016					10/29/2016		10/3
200 12.097 14.330 16.253 15.788 15.842 15.728 13.079 11.588 13.093 14.728 15.924 15.984 15.910 12.164 11.659 300 11.872 14.123 15.910 15.348 15.501 15.011 13.144 11.585 12.914 14.588 15.924 15.981 15.912 15.719 11.984 11.400 400 11.937 14.609 16.242 15.683 15.853 15.808 13.486 11.927 13.536 15.044 16.168 15.990 16.693 17.237 12.464 11.755 500 12.047 17.491 18.636 17.747 17.994 18.001 14.367 12.13 16.179 17.519 18.700 18.295 18.394 13.014 12.064 000 12.982 19.181 20.346 19.921 19.685 15.821 13.077 19.100 20.376 20.926 14.385 13.036 1000 14.479 20	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	r																
200 12.097 14.330 16.253 15.788 15.824 15.924 15.924 15.924 15.924 15.910 15.464 11.659 300 11.872 14.123 15.910 15.348 15.510 15.511 13.144 11.656 12.014 15.812 15.719 11.984 11.609 400 11.937 14.609 16.242 15.883 15.853 15.808 13.486 11.627 13.536 15.044 16.168 15.990 16.068 12.208 11.575 500 12.015 15.641 17.121 16.618 16.529 16.597 13.739 11.768 14.737 15.938 16.970 16.983 17.287 12.464 100 12.844 19.152 20.144 18.826 19.625 15.289 12.761 17.930 19.100 20.376 19.696 20.280 13.375 12.694 900 13.487 19.696 20.356 19.021 19.712 10.03 20.835 20.	200 12,097 14,330 16,253 15,788 15,728 13,079 11,588 13,093 14,728 15,870 15,868 15,807 12,11 300 11,872 14,123 15,910 15,348 15,510 15,511 13,144 11,556 12,914 14,598 15,870 15,912 15,719 11,9 400 11,937 14,609 16,242 15,683 15,853 15,808 13,486 11,627 13,536 15,044 16,168 15,979 12,07 600 12,479 17,491 18,636 17,747 17,994 18,001 14,367 12,133 16,179 17,519 18,700 18,295 18,394 13,00 700 12,894 19,115 20,144 18,826 19,629 15,873 13,007 17,856 19,195 20,660 20,558 20,268 13,9 900 13,487 19,696 20,556 19,721 20,017 19,685 15,823 13,007 19,195 <td>100</td> <td>12,314</td> <td>14,507</td> <td>16,536</td> <td>16,341</td> <td>15,978</td> <td>15,819</td> <td>13,329</td> <td>11,903</td> <td>13,148</td> <td>14,982</td> <td>15,784</td> <td>16,176</td> <td>15,768</td> <td>12,436</td> <td>11,812</td> <td>1</td>	100	12,314	14,507	16,536	16,341	15,978	15,819	13,329	11,903	13,148	14,982	15,784	16,176	15,768	12,436	11,812	1
300 11,872 14,123 15,910 15,348 15,510 15,104 15,508 13,144 11,556 12,914 14,588 15,970 15,912 15,719 11,924 11,575 500 12,015 15,641 17,112 16,618 16,529 13,739 11,768 14,737 15,938 16,970 16,893 17,287 12,491 11,765 600 12,479 17,491 18,636 17,747 17,994 18,070 14,737 15,938 18,970 16,893 17,287 12,491 11,765 700 12,894 19,115 20,144 18,826 19,691 19,457 15,298 12,781 17,830 19,100 20,376 19,696 20,258 13,975 12,694 800 12,984 19,181 20,344 19,468 19,901 19,556 16,081 13,476 18,091 19,194 20,636 20,058 14,385 13,326 1000 14,279 20,377 20,920 20,035 20,094 19,757 16,016 13,479 18,077 19,100 2	300 11,872 14,123 15,910 15,348 15,510 15,501 13,144 11,566 12,914 14,588 15,870 15,912 15,719 11,937 400 11,937 14,609 16,242 15,683 15,808 13,486 11,627 13,536 15,044 16,186 15,990 16,068 12,27 600 12,479 17,411 18,636 17,747 17,994 18,001 14,367 12,133 16,179 17,519 18,700 18,295 18,394 13,0 700 12,894 19,115 20,144 18,826 19,629 19,457 15,289 12,781 17,830 19,100 20,376 19,696 20,268 13,9 900 13,487 19,696 20,595 19,721 20,017 19,526 15,931 13,376 18,001 19,193 20,636 20,058 20,056 14,49 1000 14,279 20,377 20,992 20,045 19,762 16,681 13,458 18,549 19,003 20,852 20,243 19,962 14,49	200		14,330		15,798		15,728	13,079	11,588		14,728	15,924	15,968	15,807	12,164	11.659	1
400 11.937 14.609 16.242 15.833 15.863 13.486 11.627 13.536 15.044 16.168 15.990 16.068 12.208 11.575 500 12.015 15.641 17.112 16.618 16.529 16.597 13.739 11.768 14,737 15.938 16.970 16.893 17.287 12.491 11.776 600 12.479 17.491 18.636 17.747 17.994 18.001 14.367 15.289 12.781 17.830 19.100 20.376 19.696 20.268 13.975 12.694 900 13.487 19.696 20.595 19.721 20.017 19.526 15.823 13.007 17.956 19.195 20.660 20.058 20.056 14.862 13.755 1000 14.479 20.377 20.992 20.035 20.094 19.752 15.541 13.458 18.649 19.003 20.835 20.294 19.962 14.938 13.828 1100 14.474 14.737 15.616 13.479 18.077 19.100 20.722	400 11,937 14,609 16,242 15,683 15,868 13,486 11,627 13,536 15,044 16,168 15,990 16,068 12,22 500 12,015 15,641 17,112 16,618 16,529 13,739 11,768 14,737 15,938 16,970 16,893 17,287 12,42 600 12,479 17,491 18,865 17,747 17,994 18,001 14,367 12,133 16,179 17,070 18,295 18,394 13,00 700 12,894 19,115 20,144 18,826 19,629 19,457 15,289 12,781 17,830 19,100 20,376 19,696 20,268 13,99 800 12,882 19,811 20,346 19,468 19,901 19,656 15,823 13,077 17,956 19,195 20,660 20,152 20,290 14,3 1000 14,279 20,777 20,992 20,035 20,094 19,765 16,081 13,458 18,549 19,002 20,712 20,351 19,727 15,1 1000	300							13,144									
500 12,015 15,641 17,112 16,618 16,529 16,377 12,379 11,768 14,737 15,938 16,970 16,893 17,287 12,491 11,766 600 12,479 17,491 18,636 17,747 17,994 18,001 14,367 12,133 16,179 17,519 18,000 18,295 18,394 13,014 12,065 700 12,884 19,115 20,144 18,826 19,629 19,457 15,283 13,007 17,956 19,195 20,660 20,152 20,290 14,385 13,036 900 13,487 19,666 20,595 19,721 20,017 19,526 15,931 13,376 18,601 19,495 20,660 20,152 20,290 14,382 13,036 1000 14,279 20,377 20,992 20,035 20,094 19,765 16,616 13,479 18,077 19,100 20,712 20,351 19,727 15,104 14,063 1100 14,467 20,747 21,202 20,465 20,718 20,276 19,947	500 12,015 15,641 17,112 16,618 16,597 13,739 11,788 14,737 15,938 16,970 16,833 17,287 12,4 600 12,479 17,491 18,636 17,747 17,994 18,001 14,367 12,133 16,179 17,519 18,700 18,295 18,394 13,0 700 12,884 19,115 20,144 18,826 19,629 19,457 15,289 12,781 17,850 19,100 20,376 19,696 20,268 20,268 13,93 900 13,487 19,696 20,595 19,721 20,017 19,526 15,931 13,376 18,091 19,194 20,636 20,058 20,056 14,8 1000 14,487 20,747 21,220 20,455 20,056 19,743 15,616 13,479 18,077 19,100 20,712 20,351 19,926 14,99 1100 14,487 20,747 21,220 20,455 20,056 19,733 15,616 13,479 18,077 19,100 20,712 20,351 19,727 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>11.550</td> <td>12.914</td> <td>14.598</td> <td>15.870</td> <td>15.912</td> <td>15.719</td> <td>11.984</td> <td></td> <td></td>									11.550	12.914	14.598	15.870	15.912	15.719	11.984		
60012,47917,49118,63617,74717,99418,00114,36712,13316,17917,51918,70018,29518,39413,01412,06570012,89419,11520,14418,82619,62919,45715,28912,78117,83019,10020,37619,69620,26813,97512,69480012,48719,86620,59519,72120,01719,62615,82313,07618,09119,18420,63620,05820,05614,88213,755100014,27920,37720,99220,03520,09419,76516,08113,45818,54919,00320,83520,29419,96214,93813,828110014,48720,74721,20220,45520,05619,74315,61613,47918,07719,10020,71220,35119,72715,10414,063120015,29121,130721,61420,46720,27619,08215,47913,23018,50418,84720,68820,26319,51814,54114,015130015,21621,40621,42019,89919,65718,18214,47413,29118,30618,22520,04719,23618,38114,02414,103150015,21621,40621,22621,85319,03918,66814,17013,87617,47020,04519,23618,38114,02414,103160015,36821,52721,85720,131 <t< td=""><td>60012,47917,49118,63617,74717,99418,00114,36712,13316,17917,51918,70018,29518,39413,070012,89419,11520,14418,82619,62919,45715,28912,78117,83019,10020,37619,69620,26813,980012,98219,18120,34619,46819,90119,68515,82313,00717,95619,19520,66020,15220,29014,390013,48719,69620,59519,72120,01719,52615,93113,37618,09119,19420,63620,05820,05614,8100014,27920,37720,99220,03520,09419,76516,08113,45818,54919,00320,83520,29419,96214,9110014,48720,74721,22020,45520,05619,74315,61613,47918,07719,10020,71220,35119,72715,14120015,29121,21521,60520,71820,27619,08215,47913,23018,50418,84720,69820,26319,51814,50130015,21621,40621,42019,89919,65718,18214,10813,48317,41717,82520,05119,23618,38114,00160015,36821,52721,85720,13319,60818,34414,17013,87617,76317,77020,04519,457<t< td=""><td></td><td></td><td></td><td>10.242</td><td>15.683</td><td>15.853</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>11,400</td><td></td></t<></td></t<>	60012,47917,49118,63617,74717,99418,00114,36712,13316,17917,51918,70018,29518,39413,070012,89419,11520,14418,82619,62919,45715,28912,78117,83019,10020,37619,69620,26813,980012,98219,18120,34619,46819,90119,68515,82313,00717,95619,19520,66020,15220,29014,390013,48719,69620,59519,72120,01719,52615,93113,37618,09119,19420,63620,05820,05614,8100014,27920,37720,99220,03520,09419,76516,08113,45818,54919,00320,83520,29419,96214,9110014,48720,74721,22020,45520,05619,74315,61613,47918,07719,10020,71220,35119,72715,14120015,29121,21521,60520,71820,27619,08215,47913,23018,50418,84720,69820,26319,51814,50130015,21621,40621,42019,89919,65718,18214,10813,48317,41717,82520,05119,23618,38114,00160015,36821,52721,85720,13319,60818,34414,17013,87617,76317,77020,04519,457 <t< td=""><td></td><td></td><td></td><td>10.242</td><td>15.683</td><td>15.853</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>11,400</td><td></td></t<>				10.242	15.683	15.853										11,400	
700 12,894 19,115 20,144 18,826 19,629 19,457 15,289 12,781 17,830 19,100 20,376 19,696 20,268 13,975 12,694 800 12,882 19,181 20,346 19,468 19,901 19,685 15,823 13,007 17,956 19,195 20,660 20,152 20,029 14,385 13,036 1000 14,279 20,377 20,992 20,035 20,094 19,765 16,081 13,458 18,549 19,003 20,835 20,024 19,962 14,938 13,828 1100 14,477 20,747 21,220 20,455 20,056 19,743 15,616 13,479 18,077 19,100 20,712 20,351 19,727 15,104 14,063 1200 15,211 21,307 21,614 20,467 20,276 19,082 15,479 13,289 18,314 18,847 20,694 19,403 14,620 14,298 1400 15,376 21,406 21,426 21,436 19,457 18,182 14,104 13,483 <t< td=""><td>70012,89419,11520,14418,82619,62919,45715,28912,78117,83019,10020,37619,69620,26813,980012,98219,18120,34619,46819,90119,68515,82313,00717,95619,19520,66020,15220,29014,390013,48719,69620,59519,72120,01719,52615,93113,37618,09119,19420,63620,05620,05614,8100014,27920,37720,99220,03520,09419,76516,08113,45818,64919,00320,83520,29419,96214,9110014,48720,74721,22020,45520,05619,74315,61613,47918,07719,10020,71220,35119,72715,11120015,29121,21521,60520,71820,27619,08215,47913,28918,31418,84720,69820,26319,51814,6130015,51121,30721,61420,46720,27619,08215,47913,28918,31418,84720,69820,26319,51814,6140015,37621,44921,54120,30520,09019,04814,47413,29118,30618,22520,44719,49718,71414,4150015,36821,52721,85720,15719,69819,49314,61813,75117,725117,70320,04519,457<t< td=""><td></td><td></td><td>15.641</td><td></td><td></td><td></td><td>15,808</td><td>13,486</td><td>11,627</td><td>13,536</td><td>15,044</td><td>16,168</td><td>15,990</td><td>16,068</td><td>12,208</td><td>11,400 11,575</td><td></td></t<></td></t<>	70012,89419,11520,14418,82619,62919,45715,28912,78117,83019,10020,37619,69620,26813,980012,98219,18120,34619,46819,90119,68515,82313,00717,95619,19520,66020,15220,29014,390013,48719,69620,59519,72120,01719,52615,93113,37618,09119,19420,63620,05620,05614,8100014,27920,37720,99220,03520,09419,76516,08113,45818,64919,00320,83520,29419,96214,9110014,48720,74721,22020,45520,05619,74315,61613,47918,07719,10020,71220,35119,72715,11120015,29121,21521,60520,71820,27619,08215,47913,28918,31418,84720,69820,26319,51814,6130015,51121,30721,61420,46720,27619,08215,47913,28918,31418,84720,69820,26319,51814,6140015,37621,44921,54120,30520,09019,04814,47413,29118,30618,22520,44719,49718,71414,4150015,36821,52721,85720,15719,69819,49314,61813,75117,725117,70320,04519,457 <t< td=""><td></td><td></td><td>15.641</td><td></td><td></td><td></td><td>15,808</td><td>13,486</td><td>11,627</td><td>13,536</td><td>15,044</td><td>16,168</td><td>15,990</td><td>16,068</td><td>12,208</td><td>11,400 11,575</td><td></td></t<>			15.641				15,808	13,486	11,627	13,536	15,044	16,168	15,990	16,068	12,208	11,400 11,575	
800 12,982 19,181 20,346 19,468 19,901 19,685 15,823 13,007 17,956 19,195 20,660 20,152 20,290 14,385 13,036 900 13,487 19,686 20,555 19,721 20,017 19,526 15,931 13,376 18,091 19,194 20,636 20,058 20,056 14,862 13,755 1100 14,487 20,747 21,220 20,455 20,056 19,743 15,616 13,479 18,077 19,100 20,712 20,351 19,727 15,104 14,063 1200 15,291 21,215 21,605 20,718 20,276 19,082 15,479 13,289 18,304 18,847 20,698 20,263 19,518 14,624 14,015 1300 15,511 21,449 21,541 20,305 20,090 19,048 14,474 13,291 18,308 18,225 20,447 19,497 18,714 14,066 13,584 1400 15,376 21,449 21,547 20,305 20,090 19,048 14,474 <t< td=""><td>80012,98219,18120,34619,46819,90119,68515,82313,00717,95619,19520,66020,15220,29014,3390013,48719,69620,59519,72120,01719,52615,33113,37618,09119,19420,63620,05820,05820,05614,8100014,27920,37720,99220,03520,09419,76516,08113,45818,54919,00320,83520,29419,96214,9110014,48720,74721,22020,45520,05619,74315,61613,47918,07719,10020,71220,35119,72715,1120015,29121,21521,60520,71820,27819,57215,54513,23018,50418,84720,69820,26319,51814,5130015,51121,30721,61420,46720,27619,08215,47913,28918,31418,89120,72219,85619,40314,64140015,37621,44921,54120,30520,09019,04814,47413,29118,30818,22520,44719,49718,71414,4150015,21621,40621,42019,89919,65718,18214,17013,87617,03220,04519,45718,12713,8170015,36821,52721,85720,13319,60818,34414,15413,75117,71717,03220,04519,457<</td><td></td><td>12.479</td><td></td><td>17,112</td><td>16,618</td><td>16,529</td><td>15,808 16,597</td><td>13,486 13,739</td><td>11,627 11,768</td><td>13,536 14,737</td><td>15,044 15,938</td><td>16,168 16,970</td><td>15,990 16,893</td><td>16,068 17,287</td><td>12,208 12,491</td><td>11,400 11,575 11,786</td><td></td></t<>	80012,98219,18120,34619,46819,90119,68515,82313,00717,95619,19520,66020,15220,29014,3390013,48719,69620,59519,72120,01719,52615,33113,37618,09119,19420,63620,05820,05820,05614,8100014,27920,37720,99220,03520,09419,76516,08113,45818,54919,00320,83520,29419,96214,9110014,48720,74721,22020,45520,05619,74315,61613,47918,07719,10020,71220,35119,72715,1120015,29121,21521,60520,71820,27819,57215,54513,23018,50418,84720,69820,26319,51814,5130015,51121,30721,61420,46720,27619,08215,47913,28918,31418,89120,72219,85619,40314,64140015,37621,44921,54120,30520,09019,04814,47413,29118,30818,22520,44719,49718,71414,4150015,21621,40621,42019,89919,65718,18214,17013,87617,03220,04519,45718,12713,8170015,36821,52721,85720,13319,60818,34414,15413,75117,71717,03220,04519,457<		12.479		17,112	16,618	16,529	15,808 16,597	13,486 13,739	11,627 11,768	13,536 14,737	15,044 15,938	16,168 16,970	15,990 16,893	16,068 17,287	12,208 12,491	11,400 11,575 11,786	
90013,48719,69620,59519,72120,01719,52615,93113,37618,09119,19420,63620,05820,05614,86213,755100014,27920,37720,99220,03520,09419,76516,08113,45818,54919,00320,83520,29419,96214,93813,828110014,48720,74721,22020,45520,05619,74315,61613,47918,07719,10020,71220,35119,72715,10414,063120015,29121,21521,60520,71820,27819,57215,54513,23018,50418,84720,69820,26319,51814,54114,015130015,51121,30721,61420,46720,27619,08215,47913,28918,31418,84120,72219,85619,40314,62014,298140015,37621,44921,54120,30520,09019,04814,47413,29118,30818,22520,44719,49718,71414,46613,584150015,26621,40621,42019,89919,65718,18214,10813,48317,41717,82520,045119,45718,12713,81214,383170015,46921,22621,36319,72619,33918,06814,17013,87617,08817,47020,20919,45718,81214,38414,520190016,68321,92521,257	900 13,487 19,696 20,595 19,721 20,017 19,526 15,931 13,376 18,091 19,194 20,636 20,058 20,056 14,8 1000 14,279 20,377 20,992 20,035 20,094 19,765 16,081 13,458 18,649 19,003 20,835 20,294 19,962 14,9 1100 14,487 20,747 21,220 20,455 20,056 19,743 15,616 13,479 18,077 19,100 20,712 20,351 19,727 15,1 1200 15,291 21,215 21,605 20,718 20,276 19,082 15,479 13,289 18,314 18,847 20,698 20,263 19,518 14,5 1300 15,511 21,406 21,449 21,547 20,305 20,090 19,048 14,474 13,291 18,304 18,225 20,447 19,497 18,714 14,44 1400 15,368 21,527 21,667 20,133 19,657	700		17,491	17,112 18,636	16,618 17,747	16,529 17,994	15,808 16,597 18,001	13,486 13,739 14,367	11,627 11,768 12,133	13,536 14,737 16,179	15,044 15,938 17,519	16,168 16,970 18,700	15,990 16,893 18,295	16,068 17,287 18,394	12,208 12,491 13,014	11,400 11,575 11,786 12,065	
1000 14,279 20,377 20,992 20,035 20,094 19,765 16,081 13,458 18,549 19,003 20,835 20,294 19,962 14,938 13,828 1100 14,487 20,747 21,220 20,455 20,056 19,743 15,616 13,479 18,077 19,100 20,712 20,351 19,727 15,104 14,063 1200 15,291 21,215 21,614 20,467 20,276 19,082 15,479 13,230 18,504 18,847 20,698 20,263 19,403 14,620 14,298 1400 15,517 21,449 21,541 20,305 20,090 19,048 14,474 13,291 18,308 18,225 20,447 19,497 18,714 14,660 13,584 1500 15,216 21,406 21,420 19,899 19,657 18,182 14,108 13,483 17,417 17,825 20,051 19,236 18,381 14,024 14,103 1600 15,368 21,227 21,857 20,133 19,608 18,444 13,751	100014.27920,37720,99220,03520,09419,76516,08113,45818,54919,00320,83520,29419,96214,9110014,48720,74721,22020,45520,05619,74315,61613,47918,07719,10020,71220,35119,72715,1120015,29121,21521,60520,71820,27619,08215,54513,23018,50418,84720,69820,26319,51814,5130015,51121,30721,61420,46720,27619,08215,47913,28918,31418,89120,72219,85619,40314,6140015,37621,44921,54120,30520,09019,04814,47413,29118,30818,22520,44719,49718,71414,4150015,21621,40621,42019,89919,65718,18214,10813,48317,41717,82520,04519,43518,12713,88170015,46921,22621,36319,72619,33918,06814,17013,87617,08817,47020,20919,26717,38313,99180016,13721,30321,11119,92019,81418,21814,47014,42917,44518,02920,81919,87918,01214,4200016,68321,62520,61020,17719,93819,53818,25615,25515,23618,12818,74120,478 <td></td> <td>12,894</td> <td>17,491 19,115</td> <td>17,112 18,636 20,144</td> <td>16,618 17,747 18,826</td> <td>16,529 17,994 19,629</td> <td>15,808 16,597 18,001 19,457</td> <td>13,486 13,739 14,367 15,289</td> <td>11,627 11,768 12,133 12,781</td> <td>13,536 14,737 16,179 17,830</td> <td>15,044 15,938 17,519 19,100</td> <td>16,168 16,970 18,700 20,376</td> <td>15,990 16,893 18,295 19,696</td> <td>16,068 17,287 18,394 20,268</td> <td>12,208 12,491 13,014 13,975</td> <td>11,400 11,575 11,786 12,065 12,694</td> <td>· · ·</td>		12,894	17,491 19,115	17,112 18,636 20,144	16,618 17,747 18,826	16,529 17,994 19,629	15,808 16,597 18,001 19,457	13,486 13,739 14,367 15,289	11,627 11,768 12,133 12,781	13,536 14,737 16,179 17,830	15,044 15,938 17,519 19,100	16,168 16,970 18,700 20,376	15,990 16,893 18,295 19,696	16,068 17,287 18,394 20,268	12,208 12,491 13,014 13,975	11,400 11,575 11,786 12,065 12,694	· · ·
110014,48720,74721,22020,45520,05619,74315,61613,47918,07719,10020,71220,35119,72715,10414,063120015,29121,21521,60520,71820,27619,57215,54513,23018,50418,84720,68320,26319,51814,54114,015130015,51121,30721,61420,46720,27619,08215,47913,28918,31418,89120,72219,85619,40314,62014,298140015,37621,44921,54120,30520,09019,04814,47413,29118,30818,22520,44719,49718,71414,46613,584150015,21621,40621,42019,89919,65718,18214,10813,48317,41717,82520,05119,23618,38114,02414,103160015,36821,52721,85720,13319,60818,34414,15413,75117,70320,04519,45718,12713,81214,388180016,13721,30321,11119,20219,86118,21814,47014,42917,44518,02920,81919,87918,01214,43615,220190016,68321,92521,25720,50719,93818,25615,25515,23618,42718,94621,04320,32818,39714,92115,573200016,40321,68520,61020,117	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	800	12,894 12,982	17,491 19,115 19,181	17,112 18,636 20,144 20,346	16,618 17,747 18,826 19,468	16,529 17,994 19,629 19,901	15,808 16,597 18,001 19,457 19,685	13,486 13,739 14,367 15,289 15,823	11,627 11,768 12,133 12,781 13,007	13,536 14,737 16,179 17,830 17,956	15,044 15,938 17,519 19,100 19,195	16,168 16,970 18,700 20,376 20,660	15,990 16,893 18,295 19,696 20,152	16,068 17,287 18,394 20,268 20,290	12,208 12,491 13,014 13,975 14,385	11,400 11,575 11,786 12,065 12,694 13,036	
120015,29121,21521,60520,71820,27819,57215,54513,23018,50418,84720,69820,26319,51814,54114,015130015,51121,30721,61420,46720,27619,08215,47913,28918,31418,89120,72219,85619,40314,62014,298140015,37621,44921,54120,30520,09019,04814,47413,29118,30818,22520,44719,49718,71414,46613,584150015,21621,40621,42019,89919,65718,18214,10813,48317,41717,82520,04519,45718,12713,81214,383160015,36621,52721,85720,13319,60818,34414,15413,75117,25117,70320,04519,45718,12713,81214,383170015,46921,22621,36319,72619,33918,06814,17013,87617,08817,47020,20919,65717,38313,93414,388180016,13721,30321,11119,92019,86118,21814,47013,87617,04518,92920,81919,87918,01214,43615,220190016,68321,92521,25720,50719,99218,49215,42215,45818,42718,94621,04320,32818,39714,92115,573200016,40321,68520,610	120015,29121,21521,60520,71820,27819,57215,54513,23018,50418,84720,69820,26319,51814,51130015,51121,30721,61420,46720,27619,08215,47913,28918,31418,89120,72219,85619,40314,66140015,37621,44921,54120,30520,09019,04814,47413,29118,30818,22520,44719,49718,71414,41150015,21621,40621,42019,89919,65718,18214,10813,48317,41717,82520,05119,23618,38114,0160015,36821,52721,85720,13319,60818,34414,15413,75117,25117,70320,04519,45718,12713,8170015,46921,22621,36319,72619,33918,06814,17013,87617,08817,47020,20919,26717,38313,9180016,13721,30321,11119,92019,86118,21814,47014,42917,44518,02920,81919,87918,01214,4190016,68321,92521,25720,05719,99218,49215,42215,45818,42718,94621,04320,32818,39714,9200016,40321,68520,91920,18319,53818,25615,25515,23618,12818,74120,47820,029 <td>800 900</td> <td>12,894 12,982 13,487</td> <td>17,491 19,115 19,181 19,696</td> <td>17,112 18,636 20,144 20,346 20,595</td> <td>16,618 17,747 18,826 19,468 19,721</td> <td>16,529 17,994 19,629 19,901 20,017</td> <td>15,808 16,597 18,001 19,457 19,685 19,526</td> <td>13,486 13,739 14,367 15,289 15,823 15,931</td> <td>11,627 11,768 12,133 12,781 13,007 13,376</td> <td>13,536 14,737 16,179 17,830 17,956 18,091</td> <td>15,044 15,938 17,519 19,100 19,195 19,194</td> <td>16,168 16,970 18,700 20,376 20,660 20,636</td> <td>15,990 16,893 18,295 19,696 20,152 20,058</td> <td>16,068 17,287 18,394 20,268 20,290 20,056</td> <td>12,208 12,491 13,014 13,975 14,385 14,862</td> <td>11,400 11,575 11,786 12,065 12,694 13,036 13,755</td> <td></td>	800 900	12,894 12,982 13,487	17,491 19,115 19,181 19,696	17,112 18,636 20,144 20,346 20,595	16,618 17,747 18,826 19,468 19,721	16,529 17,994 19,629 19,901 20,017	15,808 16,597 18,001 19,457 19,685 19,526	13,486 13,739 14,367 15,289 15,823 15,931	11,627 11,768 12,133 12,781 13,007 13,376	13,536 14,737 16,179 17,830 17,956 18,091	15,044 15,938 17,519 19,100 19,195 19,194	16,168 16,970 18,700 20,376 20,660 20,636	15,990 16,893 18,295 19,696 20,152 20,058	16,068 17,287 18,394 20,268 20,290 20,056	12,208 12,491 13,014 13,975 14,385 14,862	11,400 11,575 11,786 12,065 12,694 13,036 13,755	
130015,51121,30721,61420,46720,27619,08215,47913,28918,31418,89120,72219,85619,40314,62014,298140015,37621,44921,54120,30520,09019,04814,47413,29118,30818,22520,44719,49718,71414,46613,584150015,21621,40621,42019,89919,65718,18214,10813,48317,41717,82520,05119,26618,38114,02414,103160015,36821,52721,85720,13319,60818,34414,15413,75117,25117,70320,04519,45718,81214,383170015,46921,22621,36319,72619,33918,06814,17013,87617,08817,47020,20919,26717,38313,93414,388180016,13721,30321,11119,92019,86118,21814,47014,42917,44518,02920,81919,87918,01214,43615,220190016,68321,92521,25720,50719,99218,49215,45818,42718,94621,04320,32818,39714,92115,573200016,64321,65520,61020,11719,31118,90217,88714,95914,51117,43718,11919,38419,15317,71914,35614,368200014,61918,93918,81318,217	130015,51121,30721,61420,46720,27619,08215,47913,28918,31418,89120,72219,85619,40314,64140015,37621,44921,54120,30520,09019,04814,47413,29118,30818,22520,44719,49718,71414,4150015,21621,40621,42019,89919,65718,18214,10813,48317,41717,82520,05119,23618,38114,0160015,36821,52721,85720,13319,60818,34414,15413,75117,25117,70320,04519,45718,12713,8170015,46921,22621,36319,72619,33918,06814,17013,87617,08817,47020,20919,26717,38313,9180016,63321,92521,25720,50719,99218,49215,42215,45818,42718,02920,81919,87918,01214,4200016,40321,68520,91920,18319,53818,25615,25515,23618,12818,74120,47820,02918,27614,72210015,68520,61020,11719,31118,92017,88714,95914,51117,43718,11919,38419,15317,71914,33220014,91918,93918,81318,21717,74717,00814,34513,74216,54117,49518,12617,866 <td>800 900 1000</td> <td>12,894 12,982 13,487 14,279</td> <td>17,491 19,115 19,181 19,696 20,377</td> <td>17,112 18,636 20,144 20,346 20,595 20,992</td> <td>16,618 17,747 18,826 19,468 19,721 20,035</td> <td>16,529 17,994 19,629 19,901 20,017 20,094</td> <td>15,808 16,597 18,001 19,457 19,685 19,526 19,765</td> <td>13,486 13,739 14,367 15,289 15,823 15,931 16,081</td> <td>11,627 11,768 12,133 12,781 13,007 13,376 13,458</td> <td>13,536 14,737 16,179 17,830 17,956 18,091 18,549</td> <td>15,044 15,938 17,519 19,100 19,195 19,194 19,003</td> <td>16,168 16,970 18,700 20,376 20,660 20,636 20,835</td> <td>15,990 16,893 18,295 19,696 20,152 20,058 20,294</td> <td>16,068 17,287 18,394 20,268 20,290 20,056 19,962</td> <td>12,208 12,491 13,014 13,975 14,385 14,862 14,938</td> <td>11,400 11,575 11,786 12,065 12,694 13,036 13,755 13,828</td> <td></td>	800 900 1000	12,894 12,982 13,487 14,279	17,491 19,115 19,181 19,696 20,377	17,112 18,636 20,144 20,346 20,595 20,992	16,618 17,747 18,826 19,468 19,721 20,035	16,529 17,994 19,629 19,901 20,017 20,094	15,808 16,597 18,001 19,457 19,685 19,526 19,765	13,486 13,739 14,367 15,289 15,823 15,931 16,081	11,627 11,768 12,133 12,781 13,007 13,376 13,458	13,536 14,737 16,179 17,830 17,956 18,091 18,549	15,044 15,938 17,519 19,100 19,195 19,194 19,003	16,168 16,970 18,700 20,376 20,660 20,636 20,835	15,990 16,893 18,295 19,696 20,152 20,058 20,294	16,068 17,287 18,394 20,268 20,290 20,056 19,962	12,208 12,491 13,014 13,975 14,385 14,862 14,938	11,400 11,575 11,786 12,065 12,694 13,036 13,755 13,828	
1400 $15,376$ $21,449$ $21,541$ $20,305$ $20,090$ $19,048$ $14,474$ $13,291$ $18,308$ $18,225$ $20,447$ $19,497$ $18,714$ $14,466$ $13,584$ 1500 $15,216$ $21,406$ $21,420$ $19,899$ $19,657$ $18,182$ $14,108$ $13,483$ $17,417$ $17,825$ $20,051$ $19,236$ $18,381$ $14,024$ $14,103$ 1600 $15,368$ $21,527$ $21,857$ $20,133$ $19,608$ $18,344$ $14,154$ $13,751$ $17,703$ $20,045$ $19,457$ $18,127$ $13,812$ $14,383$ 1700 $15,469$ $21,226$ $21,363$ $19,726$ $19,339$ $18,068$ $14,170$ $13,876$ $17,088$ $17,470$ $20,209$ $19,267$ $17,383$ $13,934$ $14,388$ 1800 $16,137$ $21,303$ $21,111$ $19,920$ $19,861$ $18,218$ $14,470$ $14,429$ $17,445$ $18,029$ $20,819$ $19,879$ $18,012$ $14,436$ $15,220$ 1900 $16,683$ $21,925$ $21,257$ $20,507$ $19,922$ $15,422$ $15,458$ $18,427$ $18,946$ $21,043$ $20,328$ $18,397$ $14,921$ $15,573$ 2000 $16,643$ $21,685$ $20,919$ $20,117$ $19,314$ $18,902$ $17,887$ $14,959$ $14,511$ $17,437$ $18,119$ $19,384$ $14,365$ $14,765$ $15,255$ $15,236$ $18,128$ $18,741$ $20,702$ $18,276$ $14,951$ $14,365$ <td>140015,37621,44921,54120,30520,09019,04814,47413,29118,30818,22520,44719,49718,71414,44150015,21621,40621,42019,89919,65718,18214,10813,48317,41717,82520,05119,23618,38114,0160015,36821,52721,85720,13319,60818,34414,15413,75117,25117,70320,04519,45718,12713,8170015,46921,22621,36319,72619,33918,06814,17013,87617,08817,47020,20919,26717,38313,9180016,13721,30321,11119,92019,81618,21814,47014,42917,44518,02920,81919,87918,01214,4200016,68321,92521,25720,50719,99218,49215,45215,25618,12818,74120,47820,02918,27614,7200016,64321,68520,01920,118319,53818,25615,25515,23618,12818,74120,47820,02918,27614,7210015,68520,61020,11719,31118,90217,88714,95914,51117,43718,11919,38419,15317,71914,33220014,91918,93918,81318,21717,74717,00814,34513,74216,54117,49518,12617,866<td>800 900 1000 1100</td><td>12,894 12,982 13,487 14,279 14,487</td><td>17,491 19,115 19,181 19,696 20,377 20,747</td><td>17,112 18,636 20,144 20,346 20,595 20,992 21,220</td><td>16,618 17,747 18,826 19,468 19,721 20,035 20,455</td><td>16,529 17,994 19,629 19,901 20,017 20,094 20,056</td><td>15,808 16,597 18,001 19,457 19,685 19,526 19,765 19,743</td><td>13,486 13,739 14,367 15,289 15,823 15,931 16,081 15,616</td><td>11,627 11,768 12,133 12,781 13,007 13,376 13,458 13,479</td><td>13,536 14,737 16,179 17,830 17,956 18,091 18,549 18,077</td><td>15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100</td><td>16,168 16,970 18,700 20,376 20,660 20,636 20,835 20,712</td><td>15,990 16,893 18,295 19,696 20,152 20,058 20,294 20,351</td><td>16,068 17,287 18,394 20,268 20,290 20,056 19,962 19,727</td><td>12,208 12,491 13,014 13,975 14,385 14,862 14,938 15,104</td><td>11,400 11,575 11,786 12,065 12,694 13,036 13,755 13,828 14,063</td><td></td></td>	140015,37621,44921,54120,30520,09019,04814,47413,29118,30818,22520,44719,49718,71414,44150015,21621,40621,42019,89919,65718,18214,10813,48317,41717,82520,05119,23618,38114,0160015,36821,52721,85720,13319,60818,34414,15413,75117,25117,70320,04519,45718,12713,8170015,46921,22621,36319,72619,33918,06814,17013,87617,08817,47020,20919,26717,38313,9180016,13721,30321,11119,92019,81618,21814,47014,42917,44518,02920,81919,87918,01214,4200016,68321,92521,25720,50719,99218,49215,45215,25618,12818,74120,47820,02918,27614,7200016,64321,68520,01920,118319,53818,25615,25515,23618,12818,74120,47820,02918,27614,7210015,68520,61020,11719,31118,90217,88714,95914,51117,43718,11919,38419,15317,71914,33220014,91918,93918,81318,21717,74717,00814,34513,74216,54117,49518,12617,866 <td>800 900 1000 1100</td> <td>12,894 12,982 13,487 14,279 14,487</td> <td>17,491 19,115 19,181 19,696 20,377 20,747</td> <td>17,112 18,636 20,144 20,346 20,595 20,992 21,220</td> <td>16,618 17,747 18,826 19,468 19,721 20,035 20,455</td> <td>16,529 17,994 19,629 19,901 20,017 20,094 20,056</td> <td>15,808 16,597 18,001 19,457 19,685 19,526 19,765 19,743</td> <td>13,486 13,739 14,367 15,289 15,823 15,931 16,081 15,616</td> <td>11,627 11,768 12,133 12,781 13,007 13,376 13,458 13,479</td> <td>13,536 14,737 16,179 17,830 17,956 18,091 18,549 18,077</td> <td>15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100</td> <td>16,168 16,970 18,700 20,376 20,660 20,636 20,835 20,712</td> <td>15,990 16,893 18,295 19,696 20,152 20,058 20,294 20,351</td> <td>16,068 17,287 18,394 20,268 20,290 20,056 19,962 19,727</td> <td>12,208 12,491 13,014 13,975 14,385 14,862 14,938 15,104</td> <td>11,400 11,575 11,786 12,065 12,694 13,036 13,755 13,828 14,063</td> <td></td>	800 900 1000 1100	12,894 12,982 13,487 14,279 14,487	17,491 19,115 19,181 19,696 20,377 20,747	17,112 18,636 20,144 20,346 20,595 20,992 21,220	16,618 17,747 18,826 19,468 19,721 20,035 20,455	16,529 17,994 19,629 19,901 20,017 20,094 20,056	15,808 16,597 18,001 19,457 19,685 19,526 19,765 19,743	13,486 13,739 14,367 15,289 15,823 15,931 16,081 15,616	11,627 11,768 12,133 12,781 13,007 13,376 13,458 13,479	13,536 14,737 16,179 17,830 17,956 18,091 18,549 18,077	15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100	16,168 16,970 18,700 20,376 20,660 20,636 20,835 20,712	15,990 16,893 18,295 19,696 20,152 20,058 20,294 20,351	16,068 17,287 18,394 20,268 20,290 20,056 19,962 19,727	12,208 12,491 13,014 13,975 14,385 14,862 14,938 15,104	11,400 11,575 11,786 12,065 12,694 13,036 13,755 13,828 14,063	
150015,21621,40621,42019,89919,65718,18214,10813,48317,41717,82520,05119,23618,38114,02414,103160015,36821,52721,85720,13319,60818,34414,15413,75117,70320,04519,45718,12713,81214,383170015,46921,22621,35319,72619,33918,06814,17013,87617,08817,47020,02919,26717,38313,93414,383180016,13721,30321,11119,92019,86118,21814,47014,42917,44518,02920,81919,87918,01214,43615,220190016,68321,92521,25720,50719,99218,49215,45215,45818,42718,04621,04320,32818,39714,92115,573200016,60321,68520,61020,11719,31118,90217,88714,95914,51117,43718,11919,38419,15317,71914,35614,368200014,61320,61020,11719,31118,90217,88714,95914,51117,43718,11919,38419,15317,71914,35614,368200014,73317,92717,68617,25316,69115,26213,29913,33015,78616,62817,40516,88814,11812,93013,568240014,77117,33717,112	150015,21621,40621,42019,89919,65718,18214,10813,48317,41717,82520,05119,23618,38114,0160015,36821,52721,85720,13319,60818,34414,15413,75117,25117,70320,04519,45718,12713,8170015,46921,22621,36319,72619,33918,06814,17013,87617,08817,47720,04519,45718,12713,8180016,13721,30321,11119,92019,86118,21814,47014,42917,44518,02920,81919,87918,01214,4190016,68321,92521,25720,50719,99218,49215,42215,45818,42718,94621,04320,32818,39714,99200016,40321,68520,91920,11319,53818,25615,25515,23618,12818,74120,47820,02918,27614,77210015,68520,61020,11719,31118,90217,88714,95914,51117,43718,11919,38419,15317,71914,33220014,91918,93918,81318,21717,74717,00814,34513,74216,54117,49518,12617,86616,43213,6230014,73317,92717,68617,25316,69115,26213,29913,33015,78616,82817,40516,888 <td>800 900 1000 1100 1200</td> <td>12,894 12,982 13,487 14,279 14,487 15,291</td> <td>17,491 19,115 19,181 19,696 20,377 20,747 21,215</td> <td>17,112 18,636 20,144 20,346 20,595 20,992 21,220 21,605</td> <td>16,618 17,747 18,826 19,468 19,721 20,035 20,455 20,718</td> <td>16,529 17,994 19,629 19,901 20,017 20,094 20,056 20,278</td> <td>15,808 16,597 18,001 19,457 19,685 19,526 19,765 19,743 19,572</td> <td>13,486 13,739 14,367 15,289 15,823 15,931 16,081 15,616 15,545</td> <td>11,627 11,768 12,133 12,781 13,007 13,376 13,458 13,479 13,230</td> <td>13,536 14,737 16,179 17,830 17,956 18,091 18,549 18,077 18,504</td> <td>15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100 18,847</td> <td>16,168 16,970 18,700 20,376 20,660 20,636 20,835 20,712 20,698</td> <td>15,990 16,893 18,295 19,696 20,152 20,058 20,294 20,351 20,263</td> <td>16,068 17,287 18,394 20,268 20,290 20,056 19,962 19,727 19,518</td> <td>12,208 12,491 13,014 13,975 14,385 14,862 14,938 15,104 14,541</td> <td>11,400 11,575 11,786 12,065 12,694 13,036 13,755 13,828 14,063 14,015</td> <td>- - - - - - - - - - - - - - - - - - -</td>	800 900 1000 1100 1200	12,894 12,982 13,487 14,279 14,487 15,291	17,491 19,115 19,181 19,696 20,377 20,747 21,215	17,112 18,636 20,144 20,346 20,595 20,992 21,220 21,605	16,618 17,747 18,826 19,468 19,721 20,035 20,455 20,718	16,529 17,994 19,629 19,901 20,017 20,094 20,056 20,278	15,808 16,597 18,001 19,457 19,685 19,526 19,765 19,743 19,572	13,486 13,739 14,367 15,289 15,823 15,931 16,081 15,616 15,545	11,627 11,768 12,133 12,781 13,007 13,376 13,458 13,479 13,230	13,536 14,737 16,179 17,830 17,956 18,091 18,549 18,077 18,504	15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100 18,847	16,168 16,970 18,700 20,376 20,660 20,636 20,835 20,712 20,698	15,990 16,893 18,295 19,696 20,152 20,058 20,294 20,351 20,263	16,068 17,287 18,394 20,268 20,290 20,056 19,962 19,727 19,518	12,208 12,491 13,014 13,975 14,385 14,862 14,938 15,104 14,541	11,400 11,575 11,786 12,065 12,694 13,036 13,755 13,828 14,063 14,015	- - - - - - - - - - - - - - - - - - -
160015,36821,52721,85720,13319,60818,34414,15413,75117,25117,70320,04519,45718,12713,81214,383170015,46921,22621,36319,72619,33918,06814,17013,87617,08817,47020,20919,26717,38313,93414,388180016,13721,30321,11119,92019,86118,21814,47014,42917,44518,02920,81919,87918,01214,43615,220190016,68321,92521,25720,50719,99218,49215,42215,45818,42718,94621,04320,32818,39714,92115,573200016,40321,68520,91920,18319,53818,25615,25515,23618,12818,74120,47820,02918,27614,75515,256210015,68520,61020,11719,31118,90217,88714,95914,51117,43718,11919,38419,15317,71914,35614,368220014,91918,93918,81318,21717,74717,00814,34513,74216,54117,49518,12617,86616,43213,63213,640230014,73317,92717,68617,25316,69115,26213,29913,33015,78616,82817,40516,88814,11812,93013,568240014,77117,33717,112	160015,36821,52721,85720,13319,60818,34414,15413,75117,25117,70320,04519,45718,12713,8170015,46921,22621,36319,72619,33918,06814,17013,87617,08817,47020,20919,26717,38313,9180016,13721,30321,11119,92019,86118,21814,47014,42917,44518,02920,81919,87918,01214,4190016,68321,92521,25720,50719,99218,49215,42215,45818,42718,94621,04320,32818,39714,9200016,40321,68520,91920,18319,53818,25615,25515,23618,12818,74120,47820,02918,27614,7210015,68520,61020,11719,31118,92017,88714,95914,51117,43718,11919,38419,15317,71914,33220014,91918,93918,81318,21717,74717,00814,34513,74216,54117,49518,12617,86616,43213,66230014,73317,92717,68617,25316,69115,26213,29913,33015,76616,82817,40516,88814,11812,99	800 900 1000 1100 1200 1300	12,894 12,982 13,487 14,279 14,487 15,291 15,511	17,491 19,115 19,181 19,696 20,377 20,747 21,215 21,307	17,112 18,636 20,144 20,346 20,595 20,992 21,220 21,220 21,605 21,614	16,618 17,747 18,826 19,468 19,721 20,035 20,455 20,718 20,467	16,529 17,994 19,629 19,901 20,017 20,094 20,056 20,278 20,276	15,808 16,597 18,001 19,457 19,685 19,526 19,765 19,743 19,572 19,082	13,486 13,739 14,367 15,289 15,823 15,931 16,081 15,616 15,545 15,479	11,627 11,768 12,133 12,781 13,007 13,376 13,458 13,479 13,230 13,289	13,536 14,737 16,179 17,830 17,956 18,091 18,549 18,077 18,504 18,314	15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100 18,847 18,891	16,168 16,970 18,700 20,376 20,660 20,636 20,835 20,712 20,698 20,722	15,990 16,893 18,295 19,696 20,152 20,058 20,294 20,351 20,263 19,856	16,068 17,287 18,394 20,268 20,290 20,056 19,962 19,727 19,518 19,403	12,208 12,491 13,014 13,975 14,385 14,862 14,938 15,104 14,541 14,620	11,400 11,575 11,786 12,065 12,694 13,036 13,755 13,828 14,063 14,015 14,298	
170015,46921,22621,36319,72619,33918,06814,17013,87617,08817,47020,20919,26717,38313,93414,388180016,13721,30321,11119,92019,86118,21814,47014,42917,44518,02920,81919,87918,01214,43615,220190016,68321,92521,25720,50719,99218,49215,42215,45818,42718,94621,04320,32818,39714,92115,573200016,64321,92520,19920,18319,53818,25615,25515,23618,12818,74120,47820,02918,27614,75515,256210015,68520,61020,11719,31118,90217,88714,95914,51117,43718,11919,38419,15317,71914,35614,368220014,91918,93918,81318,21717,74717,00814,34513,74216,54117,49518,12617,86616,43213,63213,640230014,73317,92717,68617,25316,69115,26213,29913,33015,78616,82817,40516,88814,11812,93013,568240014,77117,33717,11216,58916,26413,87512,44813,48715,45016,40716,82216,33812,90612,37813,717	170015,46921,22621,36319,72619,33918,06814,17013,87617,08817,47020,20919,26717,38313,9180016,13721,30321,11119,92019,86118,21814,47014,42917,44518,02920,81919,87918,01214,4190016,68321,92521,25720,50719,99218,49215,42215,45818,42718,94621,04320,32818,39714,99200016,40321,68520,91920,18319,53818,25615,25515,23618,12818,74120,47820,02918,27614,7210015,68520,61020,11719,31118,90217,88714,95914,51117,43718,11919,38419,15317,71914,33220014,91918,93918,81318,21717,74717,00814,34513,74216,54117,49518,12617,66616,43213,66230014,73317,92717,68617,25316,69115,26213,29913,30115,76616,82817,40516,88814,11812,99	800 900 1000 1100 1200 1300 1400	12,894 12,982 13,487 14,279 14,487 15,291 15,511 15,376	17,491 19,115 19,181 19,696 20,377 20,747 21,215 21,307 21,449	17,112 18,636 20,144 20,346 20,595 20,992 21,220 21,605 21,614 21,541	16,618 17,747 18,826 19,468 19,721 20,035 20,455 20,718 20,467 20,305	16,529 17,994 19,629 19,901 20,017 20,094 20,056 20,278 20,276 20,090	15,808 16,597 18,001 19,457 19,685 19,526 19,765 19,743 19,572 19,082 19,048	13,486 13,739 14,367 15,289 15,823 15,931 16,081 15,616 15,545 15,545 15,479 14,474	11,627 11,768 12,133 12,781 13,007 13,376 13,458 13,479 13,230 13,289 13,291	13,536 14,737 16,179 17,830 17,956 18,091 18,549 18,077 18,504 18,314 18,314	15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100 18,847 18,891 18,225	16,168 16,970 18,700 20,376 20,660 20,636 20,835 20,712 20,698 20,722 20,447	15,990 16,893 18,295 19,696 20,152 20,058 20,294 20,351 20,263 19,856 19,497	16,068 17,287 18,394 20,268 20,290 20,056 19,962 19,727 19,518 19,403 18,714	12,208 12,491 13,014 13,975 14,385 14,862 14,938 15,104 14,541 14,620 14,466	11,400 11,575 11,786 12,065 12,694 13,036 13,755 13,828 14,063 14,015 14,298 13,584	- - - - - - - - - - - - - - - - - - -
180016,13721,30321,11119,92019,86118,21814,47014,42917,44518,02920,81919,87918,01214,43615,220190016,68321,92521,25720,50719,99218,49215,42215,45818,42718,94621,04320,32818,39714,92115,573200016,60321,68520,01920,11319,53818,25615,25515,23618,12818,74120,47820,02918,27614,75515,256210015,68520,61020,11719,31118,90217,88714,95914,51117,43718,11919,38419,15317,71914,35614,368220014,91918,93918,81318,21717,74717,00814,34513,74216,54117,49518,12617,86616,43213,63213,640230014,73317,92717,68617,25316,69115,26213,29913,33015,78616,82817,40516,88814,11812,93013,568240014,77117,33717,11216,58916,26413,87512,44813,48715,45016,40716,82216,33812,90612,37813,717	1800 16,137 21,303 21,111 19,920 19,861 18,218 14,470 14,429 17,445 18,029 20,819 19,879 18,012 14,4 1900 16,683 21,925 21,257 20,507 19,992 18,492 15,422 15,458 18,427 18,946 21,043 20,328 18,397 14,9 2000 16,403 21,685 20,919 20,183 19,538 18,256 15,255 15,236 18,128 18,741 20,478 20,029 18,276 14,7 2100 15,685 20,610 20,117 19,311 18,902 17,887 14,959 14,511 17,437 18,119 19,384 19,153 17,719 14,32 2200 14,919 18,939 18,813 18,217 17,747 17,008 14,345 13,742 16,541 17,495 18,126 17,866 16,432 13,6 2300 14,733 17,927 17,686 17,253 16,691 15,26	800 900 1000 1100 1200 1300 1400 1500	12,894 12,982 13,487 14,279 14,487 15,291 15,511 15,376 15,216	17,491 19,115 19,181 19,696 20,377 20,747 21,215 21,307 21,449 21,406	17,112 18,636 20,144 20,346 20,595 20,992 21,220 21,605 21,614 21,541 21,541	16,618 17,747 18,826 19,468 19,721 20,035 20,455 20,718 20,467 20,305 19,899	16,529 17,994 19,629 19,901 20,017 20,094 20,056 20,278 20,276 20,090 19,657	15,808 16,597 18,001 19,457 19,685 19,526 19,765 19,743 19,572 19,082 19,048 18,182	13,486 13,739 14,367 15,289 15,823 15,931 16,081 15,616 15,545 15,479 14,474 14,108	11,627 11,768 12,133 12,781 13,007 13,376 13,458 13,479 13,230 13,289 13,291 13,483	13,536 14,737 16,179 17,830 17,956 18,091 18,549 18,077 18,504 18,314 18,308 17,417	15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100 18,847 18,891 18,225 17,825	16,168 16,970 20,376 20,660 20,636 20,835 20,712 20,698 20,722 20,698 20,722 20,047 20,051	15,990 16,893 18,295 19,696 20,152 20,058 20,294 20,351 20,263 19,856 19,497 19,236	16,068 17,287 18,394 20,268 20,290 20,056 19,962 19,727 19,518 19,403 18,714 18,381	12,208 12,491 13,014 13,975 14,385 14,862 14,938 15,104 14,541 14,620 14,466 14,024	11,400 11,575 11,786 12,065 12,694 13,036 13,755 13,828 14,063 14,015 14,298 13,584 14,103	
190016,68321,92521,25720,50719,99218,49215,42215,45818,42718,94621,04320,32818,39714,92115,573200016,40321,68520,91920,18319,53818,25615,25515,23618,12818,74120,47820,02918,27614,75515,256210015,68520,61020,11719,31118,90217,88714,95914,51117,47718,11919,38419,15317,71914,35614,368220014,91918,93918,81318,21717,74717,00814,34513,74216,54117,49518,12617,86616,43213,63213,640230014,73317,92717,68617,25316,69115,26213,29913,33015,76616,82817,40516,88814,11812,93013,568240014,77117,33717,11216,58916,26413,87512,44813,48715,45016,40716,82216,33812,90612,37813,717	190016,68321,92521,25720,50719,99218,49215,42215,45818,42718,94621,04320,32818,39714,9200016,40321,68520,91920,18319,53818,25615,25515,23618,12818,74120,47820,02918,27614,72210015,68520,61020,11719,31118,90217,88714,95914,51117,43718,11919,38419,15317,71914,33220014,91918,93918,81318,21717,74717,00814,34513,74216,54117,49518,12617,86616,43213,62230014,73317,92717,68617,25316,69115,26213,29913,33015,78616,82817,40516,88814,11812,9	800 900 1000 1100 1200 1300 1400 1500 1600	12,894 12,982 13,487 14,279 14,487 15,291 15,511 15,576 15,216 15,368	17,491 19,115 19,181 19,696 20,377 20,747 21,215 21,307 21,449 21,406 21,527	17,112 18,636 20,144 20,346 20,595 20,992 21,220 21,605 21,614 21,541 21,420 21,857	16,618 17,747 18,826 19,468 19,721 20,035 20,455 20,718 20,467 20,305 19,899 20,133	16,529 17,994 19,629 19,901 20,017 20,094 20,056 20,278 20,276 20,090 19,657 19,608	15,808 16,597 18,001 19,457 19,685 19,765 19,743 19,572 19,082 19,048 18,182 18,344	13,486 13,739 14,367 15,289 15,823 15,931 15,616 15,545 15,479 14,474 14,108 14,154	11,627 11,768 12,133 12,781 13,007 13,376 13,458 13,479 13,230 13,289 13,291 13,483 13,751	13,536 14,737 16,179 17,830 17,956 18,091 18,549 18,077 18,504 18,314 18,308 17,417 17,251	15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100 18,847 18,891 18,225 17,825 17,703	16,168 16,970 18,700 20,376 20,636 20,636 20,835 20,712 20,698 20,722 20,447 20,051 20,051	15,990 16,893 18,295 19,696 20,152 20,058 20,294 20,351 20,263 19,856 19,497 19,236 19,457	16,068 17,287 18,394 20,268 20,290 20,056 19,962 19,727 19,518 19,403 18,714 18,381 18,127	12,208 12,491 13,014 13,975 14,385 14,862 14,938 15,104 14,541 14,620 14,466 14,024 13,812	$\begin{array}{c} 11,400\\ 11,575\\ 11,776\\ 12,065\\ 12,065\\ 13,036\\ 13,755\\ 13,828\\ 14,063\\ 14,015\\ 14,298\\ 13,584\\ 14,103\\ 14,383\\ \end{array}$	
200016,40321,68520,91920,18319,53818,25615,25515,23618,12818,74120,47820,02918,27614,75515,256210015,68520,61020,11719,31118,90217,88714,95914,51117,43718,11919,38419,15317,71914,35614,368220014,91918,93918,81318,21717,74717,00814,34513,74216,54117,49518,12617,86616,43213,63213,640230014,73317,92717,68617,25316,69115,26213,29913,33015,78616,82817,40516,88814,11812,93013,568240014,77117,33717,11216,58916,26413,87512,44813,48715,45016,40716,82216,33812,90612,37813,717	2000 16,403 21,685 20,919 20,183 19,538 18,256 15,255 15,236 18,128 18,741 20,478 20,029 18,276 14,77 2100 15,685 20,610 20,117 19,311 18,902 17,887 14,959 14,511 17,437 18,119 19,384 19,153 17,719 14,32 2200 14,919 18,939 18,813 18,217 17,747 17,008 14,345 13,742 16,541 17,495 18,126 17,866 16,432 13,6 2300 14,733 17,927 17,686 17,253 16,691 15,262 13,299 13,330 15,786 16,828 17,405 16,888 14,118 12,9	800 900 1000 1100 1200 1300 1400 1500 1600 1700	12,894 12,982 13,487 14,279 14,487 15,291 15,511 15,376 15,216 15,368 15,469	17,491 19,115 19,181 19,696 20,377 21,215 21,307 21,449 21,409 21,527 21,527 21,527	17,112 18,636 20,144 20,346 20,595 20,992 21,220 21,605 21,614 21,541 21,420 21,857 21,363	16,618 17,747 18,826 19,468 19,721 20,455 20,718 20,467 20,305 19,899 20,133 19,726	16,529 17,994 19,629 19,901 20,017 20,056 20,278 20,276 20,090 19,657 19,608 19,339	15,808 16,597 18,001 19,457 19,685 19,526 19,765 19,743 19,572 19,082 19,048 18,182 18,344 18,368	13,486 13,739 14,367 15,289 15,823 15,931 16,081 15,616 15,545 15,479 14,474 14,108 14,154	11,627 11,768 12,133 12,781 13,376 13,458 13,479 13,230 13,289 13,291 13,483 13,751 13,876	13,536 14,737 16,179 17,830 17,956 18,091 18,54918,549 18,549 18,549 18,54918,549 18,549 18,54918,549 18,549 18,549 18,54918,549 18,549 18,549 18,54918,549 18,549 18,54918,549 18,549 18,54918,549 18,549 18,54918,549 18,549 18,54918,549 18,54918,549 18,54918,549 18,54918,549 18,549 18,54918,549 18,54918,549 18,54918,549 18,54918,549 18,549 18,54918,549 18,54918,549 18,549 18,54918,549 18,549 18,54918,549 18,549 18,54918,549 18,549 18,54918,549 18,549 18,54918,549 18,549 18,54918,549 18,549 18,54918,549 18,549 18,54918,549 18	15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100 18,847 18,891 18,225 17,825 17,703 17,470	16,168 16,970 18,700 20,376 20,660 20,636 20,835 20,712 20,698 20,722 20,447 20,051 20,045 20,209	15,990 16,893 18,295 20,152 20,058 20,294 20,351 20,263 19,856 19,497 19,236 19,457 19,267	16,068 17,287 18,394 20,268 20,056 19,962 19,727 19,518 19,403 18,714 18,381 18,127 17,383	12,208 12,491 13,014 13,975 14,385 14,862 14,938 15,104 14,541 14,620 14,466 14,024 13,812 13,934	11,400 11,575 11,786 12,065 12,694 13,036 13,755 13,828 14,063 14,015 14,298 13,584 14,103 14,383	
210015,68520,61020,11719,31118,90217,88714,95914,51117,43718,11919,38419,15317,71914,35614,368220014,91918,93918,81318,21717,74717,00814,34513,74216,54117,49518,12617,86616,43213,63213,640230014,73317,92717,68617,25316,69115,26213,29913,33015,78616,82817,40516,88814,11812,93013,568240014,77117,33717,11216,58916,26413,87512,44813,48715,45016,40716,82216,33812,90612,37813,717	2100 15,685 20,610 20,117 19,311 18,902 17,887 14,959 14,511 17,437 18,119 19,384 19,153 17,719 14,3 2200 14,919 18,939 18,813 18,217 17,747 17,008 14,345 13,742 16,541 17,495 18,126 17,866 16,432 13,6 2300 14,733 17,927 17,686 17,253 16,691 15,262 13,299 13,330 15,786 16,828 17,405 16,888 14,118 12,9	800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800	12,894 12,982 13,487 14,279 14,487 15,291 15,511 15,376 15,216 15,368 15,469 16,137	17,491 19,115 19,181 19,696 20,377 20,747 21,215 21,307 21,449 21,406 21,527 21,226 21,303	17,112 18,636 20,144 20,346 20,595 21,220 21,605 21,614 21,614 21,541 21,420 21,857 21,363 21,111	16,618 17,747 18,826 19,468 19,721 20,035 20,455 20,455 20,718 20,305 19,899 20,133 19,726 19,726	16,529 17,994 19,629 19,901 20,017 20,094 20,056 20,278 20,276 20,090 19,657 19,608 19,339 19,861	15,808 16,597 18,001 19,457 19,685 19,765 19,743 19,572 19,082 19,048 18,182 18,344 18,068 18,218	13,486 13,739 14,367 15,289 15,823 15,931 16,081 15,616 15,545 15,479 14,474 14,108 14,154 14,170 14,470	11,627 11,768 12,133 12,781 13,077 13,376 13,458 13,479 13,230 13,289 13,291 13,483 13,751 13,876 14,429	13,536 14,737 16,179 17,830 17,956 18,091 18,549 18,549 18,549 18,549 18,544 18,308 17,417 17,251 17,088 17,445	15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100 18,847 18,891 18,225 17,825 17,825 17,703 17,470 18,029	16,168 16,970 18,700 20,376 20,660 20,636 20,835 20,712 20,698 20,722 20,447 20,051 20,045 20,209 20,819	15,990 16,893 18,295 20,152 20,058 20,294 20,351 20,263 19,856 19,497 19,236 19,457 19,267 19,267	16,068 17,287 18,394 20,268 20,290 20,056 19,962 19,727 19,518 19,403 18,714 18,381 18,127 17,383 18,012	12,208 12,491 13,014 13,975 14,385 14,862 14,938 15,104 14,541 14,620 14,466 14,024 13,812 13,934 14,436	11,400 11,575 11,786 12,065 12,694 13,036 13,755 13,828 14,063 14,015 14,298 13,584 14,103 14,383 14,388 15,220	
2200 14,919 18,939 18,813 18,217 17,747 17,008 14,345 13,742 16,541 17,495 18,126 17,866 16,432 13,632 13,640 2300 14,733 17,927 17,686 17,253 16,691 15,262 13,299 13,330 15,786 16,828 17,405 16,888 14,118 12,930 13,568 2400 14,771 17,337 17,112 16,589 16,264 13,875 12,448 13,487 15,450 16,407 16,822 16,338 12,906 12,378 13,717	2200 14,919 18,939 18,813 18,217 17,747 17,008 14,345 13,742 16,541 17,495 18,126 17,866 16,432 13,6 2300 14,733 17,927 17,686 17,253 16,691 15,262 13,299 13,330 15,786 16,828 17,405 16,888 14,118 12,9	800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900	12,894 12,982 13,487 14,279 14,487 15,511 15,516 15,376 15,216 15,368 15,469 16,137 16,683	17,491 19,115 19,181 19,696 20,377 21,215 21,307 21,406 21,527 21,226 21,203 21,203 21,203 21,925	17,112 18,636 20,144 20,346 20,595 21,220 21,605 21,614 21,541 21,420 21,857 21,363 21,363 21,131	16,618 17,747 18,826 19,468 19,721 20,035 20,455 20,718 20,455 20,718 20,457 20,305 19,899 20,133 19,726 19,920 20,507	16,529 17,994 19,629 19,901 20,017 20,094 20,056 20,278 20,276 20,090 19,657 19,608 19,339 19,861 19,992	15,808 16,597 18,001 19,457 19,685 19,765 19,765 19,743 19,572 19,042 19,048 18,182 18,344 18,068 18,218 18,492	13,486 13,739 14,367 15,289 15,823 15,931 16,081 15,616 15,545 15,479 14,474 14,108 14,154 14,170 14,470 15,422	11,627 11,768 12,133 12,781 13,007 13,376 13,458 13,479 13,230 13,289 13,291 13,483 13,751 13,876 14,429 15,458	13,536 14,737 16,179 17,830 17,956 18,091 18,549 18,077 18,504 18,314 18,308 17,417 17,251 17,088 17,445 18,427	15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100 18,847 18,891 18,225 17,825 17,703 17,470 18,029 18,946	16,168 16,970 20,376 20,630 20,636 20,835 20,712 20,698 20,722 20,447 20,051 20,045 20,209 20,819 21,043	15,990 16,893 18,295 20,152 20,058 20,294 20,351 20,263 19,497 19,236 19,497 19,236 19,457 19,267 19,879 20,328	16,068 17,287 18,394 20,268 20,290 20,056 19,962 19,727 19,518 19,403 18,714 18,381 18,127 17,383 18,012 18,397	12,208 12,491 13,014 13,975 14,385 14,862 14,938 15,104 14,541 14,541 14,620 14,466 14,024 13,812 13,934 14,436	$\begin{array}{c} 11,400\\ 11,575\\ 11,786\\ 12,065\\ 12,694\\ 13,036\\ 13,755\\ 13,828\\ 14,063\\ 14,015\\ 14,298\\ 13,584\\ 13,584\\ 14,103\\ 14,383\\ 14,383\\ 14,388\\ 15,220\\ 15,573\end{array}$	
2300 14,733 17,927 17,686 17,253 16,691 15,262 13,299 13,330 15,786 16,828 17,405 16,888 14,118 12,930 13,568 2400 14,771 17,337 17,112 16,589 16,264 13,875 12,448 13,487 15,450 16,407 16,822 16,338 12,906 12,378 13,717	2300 14,733 17,927 17,686 17,253 16,691 15,262 13,299 13,330 15,786 16,828 17,405 16,888 14,118 12,9	800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000	12,894 12,982 13,487 14,279 14,487 15,291 15,511 15,376 15,368 15,469 16,137 16,683 16,403	17,491 19,115 19,181 19,696 20,377 20,747 21,215 21,307 21,449 21,406 21,527 21,226 21,226 21,303 21,925 21,685	17,112 18,636 20,144 20,346 20,595 21,220 21,605 21,614 21,541 21,420 21,857 21,363 21,111 21,257 20,919	16,618 17,747 18,826 19,468 19,721 20,455 20,718 20,467 19,899 20,133 19,726 19,920 20,507 20,183	16,529 17,994 19,629 19,901 20,017 20,094 20,056 20,278 20,276 20,090 19,657 19,608 19,339 19,861 19,982 19,538	15,808 16,597 18,001 19,457 19,685 19,526 19,765 19,743 19,572 19,082 19,048 18,182 18,344 18,068 18,218 18,492 18,256	13,486 13,739 14,367 15,289 15,823 15,931 16,081 15,616 15,545 15,479 14,474 14,108 14,154 14,170 14,470 15,422 15,255	11,627 11,768 12,133 12,781 13,007 13,376 13,458 13,479 13,230 13,289 13,291 13,483 13,751 13,876 14,429 15,458 15,236	13,536 14,737 16,179 17,830 17,956 18,091 18,549 18,549 18,577 18,504 18,314 18,308 17,417 17,251 17,088 17,445 18,427 18,128	15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100 18,847 18,891 18,225 17,703 17,470 18,029 18,946 18,741	16,168 16,970 18,700 20,376 20,686 20,835 20,712 20,698 20,722 20,447 20,051 20,045 20,209 20,819 21,043 20,478	15,990 16,893 18,295 20,058 20,294 20,351 19,265 19,497 19,236 19,457 19,267 19,879 20,328 20,029	16,068 17,287 18,394 20,268 20,056 19,962 19,727 19,518 19,403 18,714 18,387 17,383 18,012 18,397 18,276	12,208 12,491 13,014 13,975 14,385 14,862 14,938 15,104 14,541 14,620 14,466 14,024 13,812 13,934 14,436 14,921 14,755	$\begin{array}{c} 11,400\\ 11,575\\ 11,786\\ 12,065\\ 12,694\\ 13,036\\ 13,755\\ 13,828\\ 14,063\\ 14,015\\ 14,298\\ 13,584\\ 14,103\\ 14,383\\ 14,383\\ 14,388\\ 15,220\\ 15,573\\ 15,256\end{array}$	
2400 14,771 17,337 17,112 16,589 16,264 13,875 12,448 13,487 15,450 16,407 16,822 16,338 12,906 12,378 13,717		800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100	12,894 12,982 13,487 14,279 14,487 15,511 15,511 15,376 15,216 15,368 15,469 16,137 16,683 16,403 15,685	17,491 19,115 19,181 19,696 20,377 21,215 21,307 21,449 21,409 21,409 21,527 21,226 21,303 21,925 21,685 20,610	17,112 18,636 20,144 20,346 20,992 21,220 21,604 21,614 21,541 21,420 21,857 21,363 21,111 21,257 20,919 20,117	16,618 17,747 18,826 19,468 19,721 20,035 20,455 20,455 20,455 20,467 20,305 19,899 20,133 19,726 19,920 20,507 20,183 19,311	16,529 17,994 19,629 19,901 20,017 20,094 20,056 20,278 20,276 20,090 19,657 19,608 19,339 19,861 19,992 19,538 18,902	15,808 16,597 18,001 19,457 19,685 19,765 19,743 19,572 19,048 18,182 18,344 18,344 18,344 18,348 18,218 18,492 18,226 17,887	13,486 13,739 14,367 15,289 15,823 15,616 15,545 15,479 14,474 14,108 14,154 14,170 14,470 15,255 14,959	11,627 11,768 12,133 12,781 13,077 13,376 13,458 13,479 13,230 13,289 13,291 13,483 13,751 13,876 14,429 15,236 14,511	13,536 14,737 16,179 17,830 17,956 18,091 18,549 18,549 18,549 18,514 18,314 18,308 17,417 17,251 17,088 17,445 18,427 18,128 17,437	15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100 18,847 18,891 18,225 17,825 17,703 17,470 18,029 18,946 18,741 18,119	16,168 16,970 18,700 20,376 20,660 20,636 20,835 20,712 20,688 20,722 20,447 20,051 20,045 20,045 20,049 20,819 21,043 20,478 19,384	15,990 16,893 18,295 20,152 20,058 20,294 20,351 20,263 19,856 19,497 19,236 19,457 19,267 19,879 20,328 20,029 19,153	16,068 17,287 18,394 20,268 20,290 20,056 19,962 19,727 19,518 19,403 18,714 18,381 18,127 17,383 18,012 18,397 18,276 17,719	12,208 12,491 13,014 13,975 14,385 14,862 14,938 15,104 14,541 14,620 14,466 14,024 13,812 13,934 14,436 14,921 14,755 14,356	11,400 11,575 11,786 12,065 12,694 13,036 13,755 13,828 14,063 14,015 14,298 13,584 14,103 14,383 14,383 14,383 14,388 15,220 15,573 15,256 14,368	
	2400 14,771 17,337 17,112 16,589 16,264 13,875 12,448 13,487 15,450 16,407 16,822 16,338 12,906 12,3	800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200	12,894 12,982 13,487 14,279 14,487 15,511 15,516 15,216 15,216 15,469 16,137 16,683 16,403 15,685 14,919	17,491 19,115 19,181 19,696 20,377 21,215 21,307 21,449 21,406 21,527 21,226 21,303 21,925 21,685 20,610 18,939	17,112 18,636 20,144 20,595 20,992 21,220 21,605 21,614 21,541 21,420 21,857 21,363 21,111 21,257 20,919 20,117 18,813	16,618 17,747 18,826 19,468 19,721 20,035 20,455 20,455 20,455 20,718 20,455 19,899 20,133 19,726 19,920 20,507 20,183 19,311 18,217	16,529 17,994 19,629 19,901 20,017 20,094 20,056 20,278 20,276 20,090 19,657 19,608 19,339 19,861 19,992 19,538 18,902 17,747	15,808 16,597 18,001 19,457 19,685 19,765 19,743 19,572 19,082 19,048 18,182 18,344 18,068 18,218 18,492 18,256 17,887 17,008	13,486 13,739 14,367 15,289 15,823 15,931 16,081 15,616 15,545 15,479 14,474 14,108 14,154 14,170 15,422 15,255 14,959 14,345	11,627 11,768 12,133 12,781 13,007 13,376 13,458 13,479 13,230 13,289 13,291 13,483 13,751 13,876 14,429 15,458 15,236 14,511 13,742	13,536 14,737 16,179 17,830 17,956 18,091 18,549 18,549 18,549 18,549 18,544 18,308 17,417 17,251 17,088 17,445 18,427 18,427 18,128 17,437 16,541	15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100 18,847 18,891 18,225 17,825 17,825 17,703 17,470 18,029 18,946 18,741 18,119 17,495	16,168 16,970 18,700 20,376 20,660 20,636 20,835 20,712 20,688 20,722 20,447 20,051 20,045 20,209 20,819 21,043 20,478 19,384 18,126	15,990 16,893 18,295 19,696 20,152 20,054 20,294 20,351 20,263 19,856 19,497 19,236 19,457 19,267 19,267 19,879 20,328 20,029 19,153 17,866	16,068 17,287 18,394 20,268 20,290 20,056 19,962 19,727 19,518 19,403 18,714 18,381 18,127 17,383 18,012 18,397 18,276 17,719 16,432	$\begin{array}{c} 12,208\\ 12,491\\ 13,014\\ 13,975\\ 14,385\\ 14,862\\ 14,938\\ 15,104\\ 14,541\\ 14,620\\ 14,466\\ 14,024\\ 13,812\\ 13,934\\ 14,436\\ 14,921\\ 14,755\\ 14,356\\ 13,632\\ \end{array}$	$\begin{array}{c} 11,400\\ 11,575\\ 11,786\\ 12,065\\ 12,694\\ 13,036\\ 13,755\\ 13,828\\ 14,063\\ 14,015\\ 14,298\\ 13,584\\ 14,015\\ 14,288\\ 13,584\\ 14,103\\ 14,388\\ 15,220\\ 15,573\\ 15,256\\ 14,368\\ 13,640\\ \end{array}$	
342,405 440,336 470,401 449,268 445,646 426,924 348,012 317,789 400,206 421,927 458,884 447,842 426,732 330,366 323,786		800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300	12,894 12,982 13,487 14,279 14,487 15,291 15,511 15,376 15,216 15,368 15,469 16,137 16,683 16,403 15,685 14,919 14,733	17,491 19,115 19,181 19,696 20,377 21,215 21,307 21,409 21,406 21,527 21,226 21,303 21,925 21,685 20,610 18,939 17,927	17,112 18,636 20,144 20,346 20,595 21,220 21,605 21,614 21,541 21,420 21,857 21,363 21,111 21,257 20,919 20,117 18,813 17,686	16,618 17,747 18,826 19,468 19,721 20,035 20,455 20,718 20,455 19,899 20,133 19,726 19,920 20,507 20,183 19,311 18,217 17,253	16,529 17,994 19,629 19,901 20,017 20,094 20,056 20,278 20,276 20,090 19,657 19,608 19,339 19,861 19,932 19,538 18,902 19,538 18,902 17,747 16,691	15,808 16,597 18,001 19,457 19,685 19,526 19,765 19,743 19,572 19,082 19,048 18,182 18,344 18,068 18,218 18,266 17,887 17,008 15,262	13,486 13,739 14,367 15,289 15,823 15,931 16,081 15,616 15,545 15,479 14,474 14,108 14,154 14,170 14,470 15,422 15,255 14,959 14,345 13,299	11,627 11,768 12,133 12,781 13,007 13,376 13,458 13,479 13,289 13,291 13,483 13,751 13,876 14,429 15,458 15,236 14,511 13,742 13,330	13,536 14,737 16,179 17,830 17,956 18,091 18,549 18,549 18,549 18,549 18,549 18,549 18,549 18,549 18,549 18,549 17,415 18,427 18,128 17,437 16,541 15,786	15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100 18,847 18,891 18,225 17,703 17,470 18,029 18,946 18,741 18,119 17,495 16,828	16,168 16,970 18,700 20,376 20,686 20,835 20,712 20,698 20,722 20,447 20,051 20,045 20,209 20,819 21,043 20,478 19,384 18,126 17,405	15,990 16,893 18,295 20,058 20,294 20,351 19,265 19,497 19,236 19,457 19,267 19,879 20,328 20,029 19,153 17,866 16,888	16,068 17,287 18,394 20,268 20,056 19,962 19,727 19,518 19,403 18,714 18,387 17,383 18,012 18,397 18,276 17,719 16,432 14,118	12,208 12,491 13,014 13,975 14,385 14,862 14,938 15,104 14,541 14,620 14,466 14,024 13,812 13,934 14,921 14,755 14,356 14,921 14,755	$\begin{array}{c} 11,400\\ 11,575\\ 11,786\\ 12,065\\ 12,694\\ 13,036\\ 13,755\\ 13,828\\ 14,063\\ 14,015\\ 14,298\\ 13,584\\ 14,103\\ 14,383\\ 14,383\\ 14,383\\ 15,220\\ 15,573\\ 15,256\\ 14,368\\ 13,640\\ 13,568\\ \end{array}$	
Maximum 22,771 Minimum 11,400 Grand Total		800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300	12,894 12,982 13,487 14,279 14,487 15,291 15,511 15,376 15,216 15,368 15,469 16,137 16,683 16,403 15,685 14,919 14,733	17,491 19,115 19,181 19,696 20,377 21,215 21,307 21,409 21,406 21,527 21,226 21,303 21,925 21,685 20,610 18,939 17,927	17,112 18,636 20,144 20,346 20,595 21,220 21,605 21,614 21,541 21,420 21,857 21,363 21,111 21,257 20,919 20,117 18,813 17,686	16,618 17,747 18,826 19,468 19,721 20,035 20,455 20,718 20,455 19,899 20,133 19,726 19,920 20,507 20,183 19,311 18,217 17,253	16,529 17,994 19,629 19,901 20,017 20,094 20,056 20,278 20,276 20,090 19,657 19,608 19,339 19,861 19,932 19,538 18,902 19,538 18,902 17,747 16,691	15,808 16,597 18,001 19,457 19,685 19,526 19,765 19,743 19,572 19,082 19,048 18,182 18,344 18,068 18,218 18,266 17,887 17,008 15,262	13,486 13,739 14,367 15,289 15,823 15,931 16,081 15,616 15,545 15,479 14,474 14,108 14,154 14,170 14,470 15,422 15,255 14,959 14,345 13,299	11,627 11,768 12,133 12,781 13,007 13,376 13,458 13,479 13,289 13,291 13,483 13,751 13,876 14,429 15,458 15,236 14,511 13,742 13,330	13,536 14,737 16,179 17,830 17,956 18,091 18,549 18,549 18,549 18,549 18,549 18,549 18,549 18,549 18,549 18,549 17,415 18,427 18,128 17,437 16,541 15,786	15,044 15,938 17,519 19,100 19,195 19,194 19,003 19,100 18,847 18,891 18,225 17,703 17,470 18,029 18,946 18,741 18,119 17,495 16,828	16,168 16,970 18,700 20,376 20,686 20,835 20,712 20,698 20,722 20,447 20,051 20,045 20,209 20,819 21,043 20,478 19,384 18,126 17,405	15,990 16,893 18,295 20,058 20,294 20,351 19,265 19,497 19,236 19,457 19,267 19,879 20,328 20,029 19,153 17,866 16,888	16,068 17,287 18,394 20,268 20,056 19,962 19,727 19,518 19,403 18,714 18,387 17,383 18,012 18,397 18,276 17,719 16,432 14,118	12,208 12,491 13,014 13,975 14,385 14,862 14,938 15,104 14,541 14,620 14,466 14,024 13,812 13,934 14,921 14,755 14,356 13,632 12,930	$\begin{array}{c} 11,400\\ 11,575\\ 11,786\\ 12,065\\ 12,694\\ 13,036\\ 13,755\\ 13,828\\ 14,063\\ 14,015\\ 14,298\\ 13,584\\ 14,103\\ 14,383\\ 14,383\\ 14,383\\ 15,220\\ 15,573\\ 15,256\\ 14,368\\ 13,640\\ 13,568\\ \end{array}$	





Omega Joint Venture Two	INVOICE NUMBER:	195241
1111 Schrock Rd, Suite 100	INVOICE DATE:	11/2/2016
COLUMBUS, OHIO 43229	DUE DATE:	11/14/2016
PHONE: (614) 540-1111	TOTAL AMOUNT DUE:	\$840.72
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	PLEASE WRITE INVOICE NUMBER ON REMITTANCE AND RETURN YELLOW INVOICE	

COPY. MAKE CHECK PAYABLE TO OMEGA JV 2

FIXED RATE CHARGE:	264 kW *	\$3.17 / kW =
TIALD NATE OFFARGE.	204 KVV	$\varphi_{0.17}$ / KVV =

October, 2016

Napoleon, Ohio 43545-0151

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	n Energy Sales to Market	=	\$3.46

TOTAL CHARGES

OMEGA JV2 POWER INVOICE -

\$837.26

OMEGA JV5	INVOICE NUMBER:	195321
OHIO MUNICIPAL ELECTRIC GENERATING ASSOCIATION	INVOICE DATE:	11/1/2016
1111 Schrock Rd, Suite 100	DUE DATE:	11/11/2016
Columbus, Ohio 43229 Phone: (614) 540-1111 Fax: (614) 540-1078	TOTAL AMOUNT DUE:	\$90,543.49
	CUSTOMER NUMBER:	5020
City of Napoleon Gregory J. Heath, Finance Director	CUSTOMER P.O. NUMBER:	BL980397
255 W. Riverview Ave., P.O. Box 151 Napoleon, Ohio 43545-0151	MAKE CHECKS PAYABLE TO:	OMEGA JV5

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

FOR THE MONTH/YEAR OF: October, 2016

DEMAND CHARGES:

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

Base Operating Expense Demand Charge: Seca Associated with JV5.	\$11.442014 \$0.000000	/ kW * / kW *	3,088 kW = 3,088 kW =	\$35,332.94 \$0.00
TOTAL DEMAND CHARGES:	\$11.442014	/ kW *	3,088 kW =	\$35,332.94
ENERGY CHARGES: JV5 Repl. Pwr. & Variable (Budgeted Rate): JV5 Fuel Cost (Actual Expense):	\$0.024031 \$0.000000	/ kWh * / kWh *	2,297,472 kWh = 2,297,472 kWh =	\$55,210.55 \$0.00
TOTAL ENERGY CHARGES:	\$0.024031	/ kWh *	2,297,472 kWh =	\$55,210.55

SUB-TOTAL

\$90,543.49

Total OMEGA JV5 Invoice:

\$90,543.49

OMEGA JVS	INVOICE NUMBER:	195363
OHIO MUNICIPAL ELECTRIC GENERATING ASSOCIATION	INVOICE DATE:	11/1/2016
1111 Schrock Rd, Suite 100	DUE DATE:	11/11/2016
Columbus, Ohio 43229 Phone: (614) 540-1111 Fax: (614) 540-1078	TOTAL AMOUNT DUE:	\$55,381.81
1 ax. (014) 340-1070	CUSTOMER NUMBER:	5020
City of Napoleon Gregory J. Heath, Finance Director	CUSTOMER P.O. NUMBER:	BL980397
255 W. Riverview Ave., P.O. Box 151 Napoleon, Ohio 43545-0151	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: November, 2016		

Financing CHARGES:				
Debt Service	\$17.934524	/ kW *	3,088 kW =	\$55,381.81



AMERICAN MUNICIPAL POWER, INC.

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

INVOICE NUMBER:	195381
INVOICE DATE:	11/1/2016
DUE DATE:	11/16/2016
TOTAL AMOUNT DUE:	\$1,576.48
CUSTOMER NUMBER:	5020

CUSTOMER P.O. #:

City of Napoleon

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

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

Omega JV6

Project Capacity: 300 kW

Year 2016

Electric Fixed	300 kW * 5.25 per kW-Month		
	November, 2016 -	Electric Fixed	

Total

\$1,576.48

AMOUNT DUE FOR :

TOTAL CHARGES

\$1,576.48

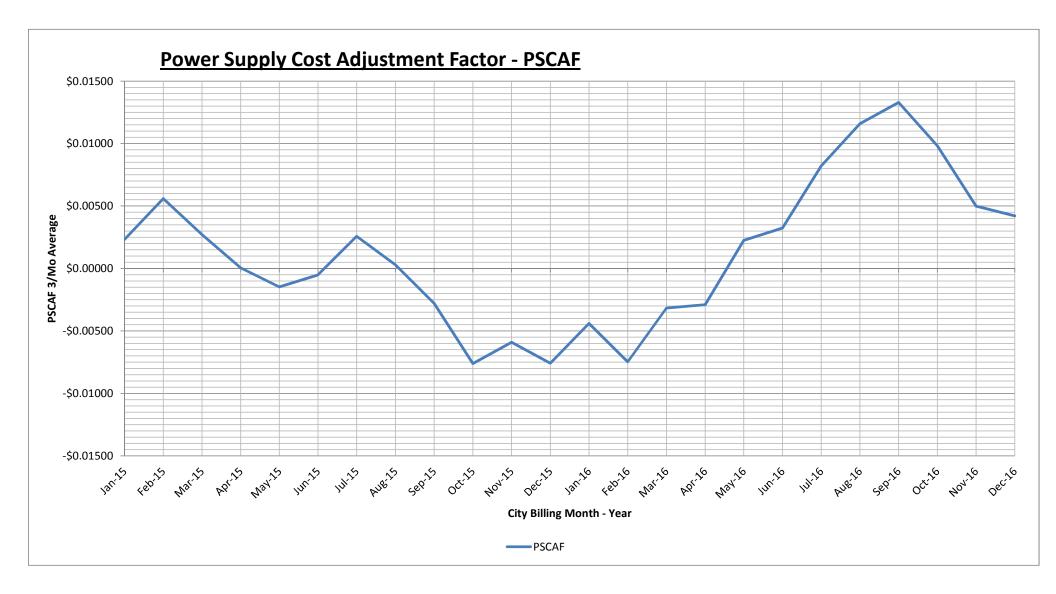
Sinter Sinter Normal	BILLING SUMMARY AN	ID CO	NSUN	IPTION fo	or BILLING	CYCLE	- DECE	MBER, 2	<u>2016</u>							
Image Image <th< th=""><th>DECEMBER, 2016</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></th<>	DECEMBER, 2016															
Disk Disk <thdisk< th=""> Disk Disk <thd< th=""><th>2016 - DECEMBER BILLING WITH NOV</th><th>EMBER 2</th><th>016 DATA</th><th>BILLING UNIT</th><th>S</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></thd<></thdisk<>	2016 - DECEMBER BILLING WITH NOV	EMBER 2	016 DATA	BILLING UNIT	S											
Sinter Sinter Normal			Nov-16					Cost / kWH	Dec-15				Jan-16			
Interset PI 338 21/273 68/285 0	Class and/or	Rate	# of	Nov-16	Nov-16	Billed kVa	Cost / kWH	Prior 12 Mo	# of	Dec-15	Dec-15	Cost / kWH	# of	Jan-16	Jan-16	Cost / kWH
Interset PI 338 21/273 68/285 0	Schedule	Code	Bills	(kWh Usage)	Billed	of Demand	For Month	Average	Bills	(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month
Income in account of the second in the second in the second in the second income in the sec						0	_			-						\$0.1052
Trade-T			9,010			0										\$0.1093
Bits (Der A) EE I EE			610			0										
Image: control in the image: control in the image in the ima			010			0			000							
Total Rescanda (Domental) 2388 250.520 983.989.10 0 98.1132 61.100 270.10 210.70 201.00 10.70 201.00	Hes.(Doin-In - All Elec.) W/Ecosinan	EZE	•			0	φ0.1137	φ0.1110	-			φ0.1010		-		φ0.1009
International flue all of the second flue all							00.4400					00 1000				
Decide line line 20 of line 20 o	Total Residential (Domestic)		3,938	2,503,523	\$283,598.10	U	\$0.1133	\$0.1104	3,975	2,180,742	\$222,888.61	\$0.1022	3,950	2,335,656	\$244,297.41	\$0.1046
Decide line line 20 of line 20 o																
Backets (Ling Qu, A H Ecolog) FEG 39.1 39.24(2) 39.24(2) 39.14(2) 39.14(2) 19.15(2) 10.15(2)<			761			0			758							
Base, Draw Col, All Benerging WEDDRIG C 1.02 1.02 1.02 0.10						0			4							\$0.1130
Paskerial (Har-Q-I) w/Ord PF I I I III (A) SU033 III (A) SU033 III (A) SU033 III (A) SU033 III (A) SU034 III (A) SU034 III (A) SU034 SU034 <thsu044< th=""> SU034 SU03</thsu044<>			381	359,421	\$42,825.95	0	\$0.1192	\$0.1141	387	392,331	\$41,522.79	\$0.1058	383	425,593	\$46,020.44	\$0.1081
Packed Hund Cut. At IE lichity w/D Eff. 4 5 6.268 9999.52 7999 59106 6 10.102 21.270 21.270 21.270	Res. (Rural-Out - All Electric) w/Ecosmar	ER2E	2	1,322	\$163.49	0	\$0.1237	\$0.1149	2	1,653	\$178.64	\$0.1081	2	2,005	\$218.79	\$0.1091
Image of the formation of the second of the secon	Residential (Rural-Out w/Dmd)	ER3	16	17,439	\$2,051.35	153	\$0.1176	\$0.1079	15	54,195	\$5,333.52	\$0.0984	16	98,686	\$9,894.24	\$0.1003
Image of the formation of the second of the secon	Besidential (Bural-Out - All Electric w/Dm	EB4	9	8,288	\$989.52	88	\$0,1194	\$0,1120	9	28,708	\$2,837,96	\$0.0989	9	13,792	\$1,455,82	\$0.1056
Taul Revelation Runal No. 1.171 1.172 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td><i>\$</i>0.1101</td> <td>\$0.11L0</td> <td></td> <td></td> <td></td> <td>\$0.0000</td> <td></td> <td></td> <td></td> <td><i>Q</i></td>							<i>\$</i> 0.1101	\$0.11L0				\$0.0000				<i>Q</i>
Commercial (Phylin - No Dmd) EC2 7 4 64.64 50.172 7 6.724 7.724 6.724 7.724 6.724 7.724 6.724 7.724	Total Residential (Rural)						\$0 1108	\$0 1151				\$0 1064				\$0 1086
Commercial (1P No.L. No.Dmin) ECO 45 7.727 81.427.56 0 90.1965 60.180 41 00.296 61.082.66 91.027 41 91.107 11.029 61.082.66 91.021 91.029 61.082.66 91.021 11.07 91.029 91.029 91.029 <	Total Hesidential (Hural)		1,175	1,043,342	φ125,055.17	241	\$0.1130	φ0.1151	1,175	1,113,204	φ113,1 4 3.01	\$0.100 4	1,170	1,200,020	φ13 4 ,135.00	\$0.1000
Commercial (1P No.L. No.Dmin) ECO 45 7.727 81.427.56 0 90.1965 60.180 41 00.296 61.082.66 91.027 41 91.107 11.029 61.082.66 91.021 91.029 61.082.66 91.021 11.07 91.029 91.029 91.029 <	Operation of the last of Della State	500		10.5	00 F (F		#0.447-	#0.40TT		10.11-	AF 015 5 1	#0.10C-		10.70	AC 000 - 1	#0.105.
Instrumental (PP) No Dord In						14										
Table Commercial (1 Phi N- wCemand) EC1 29.335.21 97.222.45 97.22	Commercial (1 Ph-Out - No Dmd)	EC2O	45	7,372	\$1,437.56	0	\$0.1950	\$0.1860	43	10,729	\$1,686.33	\$0.1572	43	8,154	\$1,432.14	\$0.1756
Commercial (1 Ph-1: wDemand) EC1 28 33.82 97.217.20 200 40.108 90.1377 255 277.27 537.007.6 50.132 24 75.08 538.4010 90.137 Commercial (1 Ph-0.4: wDemand) EC10 28 30.067 \$41.344.42 117 40.101 50.128 28.00.75 50.128 28 30.012 53.385.61 80.128 20.012 53.385.61 80.128 20.012 53.385.61 80.128 20.012 53.000.75 50.128 21.44.000.44 10.121 277 50.000 40.44 50.012 50.138 2 40 50.021 50.138 2 40 50.021 50.138 2 40 50.025 50.138 2 10.000 20.141.000 115.200 50.1108 50.1108 50.138 2 40 50.026 50.1108 50.126 50.1108 50.126 50.1108 50.126 50.1108 50.126 50.1108 50.126 50.1108 50.126 50.1108 50.126 50.1108																
Commercial (1 Ph) d. + w0emand) EO10 283 356,471 \$51,481,42 127 30,1301 50,120 24 29,1122 53,883,53 50,120 Commercial (2 Ph) w1Demand 283 566,77 551,461,42 2,223 50,145 277 305,507 50,0507 51,0020 27 50,0507 51,0020 2 15,040 51,0724 50,130 27 305,507 51,0020 2 15,040 51,7728 50,0507 50,000 2 15,040 51,7728 50,110 51,020 2 15,040 51,7728 50,100 2 15,040 51,7728 50,010 14,14,00 51,7728 50,100 2 15,640 51,7728 50,100 2 15,640 51,7728 50,100 14,64,00 51,7828 50,101 51,850 53,111,750 51,950 51,850,20 51,782 50,100 52,650,77 50,050 51,782 51,782 50,101 51,782 50,101 51,782 50,100 14,450,40 51,782 51,782 51,78	Total Commercial (1 Ph) No Dmd		119	53,935	\$7,983.51	14	\$0.1480	\$0.1441	117	56,871	\$7,601.67	\$0.1337	117	51,948	\$7,232.48	\$0.1392
Commercial (1 Ph) d. + w0emand) EO10 283 356,471 \$51,481,42 127 30,1301 50,120 24 29,1122 53,883,53 50,120 Commercial (2 Ph) w1Demand 283 566,77 551,461,42 2,223 50,145 277 305,507 50,0507 51,0020 27 50,0507 51,0020 2 15,040 51,0724 50,130 27 305,507 51,0020 2 15,040 51,7728 50,0507 50,000 2 15,040 51,7728 50,110 51,020 2 15,040 51,7728 50,100 2 15,040 51,7728 50,010 14,14,00 51,7728 50,100 2 15,640 51,7728 50,100 2 15,640 51,7728 50,100 14,64,00 51,7828 50,101 51,850 53,111,750 51,950 51,850,20 51,782 50,100 52,650,77 50,050 51,782 51,782 50,101 51,782 50,101 51,782 50,100 14,450,40 51,782 51,782 51,78	· · ·						1									
Commercial (1 Ph) d. + w0emand) EO10 283 356,471 \$51,481,42 127 30,1301 50,120 24 29,1122 53,883,53 50,120 Commercial (2 Ph) w1Demand 283 566,77 551,461,42 2,223 50,145 277 305,507 50,0507 51,0020 27 50,0507 51,0020 2 15,040 51,0724 50,130 27 305,507 51,0020 2 15,040 51,7728 50,0507 50,000 2 15,040 51,7728 50,110 51,020 2 15,040 51,7728 50,100 2 15,040 51,7728 50,010 14,14,00 51,7728 50,100 2 15,640 51,7728 50,100 2 15,640 51,7728 50,100 14,64,00 51,7828 50,101 51,850 53,111,750 51,950 51,850,20 51,782 50,100 52,650,77 50,050 51,782 51,782 50,101 51,782 50,101 51,782 50,100 14,450,40 51,782 51,782 51,78	Commercial (1 Ph-In - w/Demand)	EC1	258	335 821	\$47 217 20	2050	\$0.1406	\$0 1337	255	279 725	\$37,007,69	\$0 1323	255	275 088	\$36 491 09	\$0 1327
Instruction Image																
Tail Commercial (P Pb) wDemand Z83 366,477 \$51,461.8 2,223 80,4035 \$91,396 279 306,507 \$44,308.4 90,376.5 \$90,377.5 \$90,376.5 \$9	Commercial (TPT-Out - W/Demand)	EGIO	-		φ 4 ,204.42		\$0.1391	φ0.1323		23,702		φ0.1200		30,192	<i>4</i> 3,003.43	φ0.1207
Commercial (3 Ph-Out - No Dma) ECO 1 4 51.0218 50.1362 1 1 1 50.00 51.779.24 50.1179.24 50.1182 Total Commercial (3 Ph) No Dma 2 40 54.027 51.008 2 15.040 51.779.24 50.1182 2 40 54.027 51.008 2 15.040 51.779.24 50.117 Commercial (3 Ph-1x - WDmard) ECO 200 1651.057 51.987.288 500.118 51.180.05 516.060 51.040 51.779.24 50.119 20 151.180.0 511.60.0 51.440.00 51.420.05 550.00 51.418.05 51.180.0 51.218.0 51.180.0 51.180.0 51.180.0 50.119.0 20 51.220.0 51.218.0 51.1180.0 51.180.0 50.119.0 20 51.220.0 51.218.0 51.1180.0 51.180.0 51.180.0 51.180.0 51.180.0 51.180.0 51.180.0 51.180.0 51.180.0 51.180.0 51.180.0 51.220.0 51.220.0 51.220.0 51.220.0 51.220.0															* ** *** =**	00 1000
Instructure Image Number Image Number </td <td>Total Commercial (1 Ph) w/Demand</td> <td></td> <td>283</td> <td>366,473</td> <td>\$51,481.62</td> <td>2,223</td> <td>\$0.1405</td> <td>\$0.1336</td> <td>279</td> <td>305,507</td> <td>\$40,308.44</td> <td>\$0.1319</td> <td>279</td> <td>305,280</td> <td>\$40,376.52</td> <td>\$0.1323</td>	Total Commercial (1 Ph) w/Demand		283	366,473	\$51,481.62	2,223	\$0.1405	\$0.1336	279	305,507	\$40,308.44	\$0.1319	279	305,280	\$40,376.52	\$0.1323
Instructure Image Number Image Number </td <td></td>																
Total Commercial (3 Ph) No Dmd 2 40 \$40,37 51,226 50,382 2 40,000 \$51,719,24 50,11 Commercial (3 Ph-in -wCemand) EC30 32 1,551,007 \$199,708,20 5904 \$0,1210 50,118 200 1,414,000 \$155,655 \$58,655 \$58,118 \$50,106 30 \$38,860 \$44,848,10 \$50,111 Commercial (3 Ph-uir -wCemand) EC37 33 \$13,720 \$150,009 \$442,355 \$50,051 \$32,741,53 \$0,1070 31 \$32,800 \$44,848,10 \$0,1177 Commercial (3 Ph-uir -wCemand) EC37 1 5,600 \$32,841,65 \$0,1077 \$18,200 \$52,749,24,80 \$0,1077 \$18,200 \$52,749,24,80 \$0,1079 \$248,181,72 \$1,442,99,56 \$12,200,566 \$22,21,424,42 \$0,117 \$1,420,566 \$12,200,566 \$22,21,424,42 \$0,117 \$1,520,775 \$50,775,758,58,47 \$1,000,535,754,758,59 \$10,755,758,58,45 \$1,000,535,754,78,459 \$10,755,758,58,46 \$1,000,535,754,78,459 \$10,755,758,58,47 \$1,000,535,754,78,459 \$	Commercial (3 Ph-Out - No Dmd)	EC4O	2	40	\$40.87	4	\$1.0218	\$0.1362	2	40	\$40.37	\$1.0093	2	15,040	\$1,719.24	\$0.1143
Commercial (3 Ph-in -wDemand) EG3 Sol 1, 651,057 Sol 0, 470 Sol 1, 651,057 Sol 1, 757,057 Sol 0, 753 Sol 0, 754 Sol 0, 757																
Commercial (3 Ph-in -wDemand) EG3 Sol 1, 651,057 Sol 0, 470 Sol 1, 651,057 Sol 1, 757,057 Sol 0, 753 Sol 0, 754 Sol 0, 757	Total Commercial (3 Ph) No Dmd		2	40	\$40.87	4	\$1.0218	\$0,1362	2	40	\$40.37	\$1.0093	2	15.040	\$1,719,24	\$0.1143
Commercial (3Ph:Out - wDemand) between the set of the s						-					+			,	÷-,	
Commercial (3Ph:Out - wDemand) between the set of the s	O	500	000	4 054 057	\$400 700 00	500.4	\$0,4040	#0.1100	000	4 544 000	\$405 000 7 0	#0.4000	005	4 44 4 000	\$450 505 00	\$0,4404
Commercial (3 Phr.Out. + WDmd & Sub. St. ESS0 3 133,720 \$113,720 \$113,720 \$114,239,56 \$30,1107 3 133,200 \$112,741,65 \$30,1016 3 137,440 \$114,239,56 \$30,1017 1 1,8400 \$214,239,56 \$30,1107 1 1,8400 \$214,239,56 \$30,1107 1 1,8400 \$214,239,56 \$30,1107 1 1,8400 \$214,239,56 \$30,1107 1 1,8400 \$214,239,56 \$30,1107 1 1,8400 \$214,239,56 \$30,1107 1 1,8400 \$214,239,56 \$30,1107 2 1,82,200 \$51,237,300,207 \$30,1107 2 1,82,200 \$51,241,829,56 \$30,004 \$216,211,85 \$30,004 \$20,0257,42 \$30,081 21 2,403,64 \$217,272,65 \$30,085 \$30,0857 3 1,069,859 \$82,880,55 \$30,0756 3 1,994,72 \$57,373,57 \$50,0756 350,9076 2 2,403,64 \$217,472,65 \$50,084 \$50,0766 2 7,037,57 \$50,0766 \$50,0766 \$50,0766																
Commercial (2 Phin. wDmenand, No Te EG3T 1 5.680 See8.81 2.23 50.1280 50.1280 1 2.400 S224.455 50.1180 50.1180 1 1.640 S211.56 50.1180 1 1.640 S211.56 50.1180 1 1 1.640 S211.56 50.1180 1 1 1.640 S211.56 50.1180 1 1.640 S211.56 S0.1170 S211.56 S0.1170 S211.56 S0.1170 S211.56 S0.1170 S211.56 S0.0177 S0.0084 S1.0170 S0.0177 S0.0084 S1.0170 S0.0084 S1.0170 S0.0084 S1.0173 S0.0176 S0.0084 S1.0173 S0.0176 S0.0084 S1.0173 S1.0173 S1.0173 S1.0173 S1.0174 S1.0174 S2.0176 S1.000 S1.0183 S0.0076 S1.0000 S1.0125 S1.025 S1.025									39							
Induce Image Number			3						3				3			\$0.1036
Total Commercial (2 Ph) wDemand 245 2.202,644 5264,656.45 7,843 50.1201 20.1 249 2.205,663 5227,902.03 50.0107 246 19.92,070 5221,424.42 50.110 Large Power (n- wDmd A Ret, wShC) EL1 20 2.303,124 5218,711.68 5223 50.0696 50.075 3 90.472 2.403,840 5211,372.66 50.004 Large Power (n- wDmd A Ret, wShC) EL2 1 475,500 544,870.95 1041 50.0496 50.0457 3 90.472 27.93,775.27 50.07 322,400 528,077.6 50.084 1 295.97 55.334.15 50.0804 1 295.97 55.334.15 50.0804 1 1.156,156 \$87.758.35 50.065 50.0815 1 1.126,435 \$83.314.06 50.0809 1 1.126,453 \$87.341.6 50.0809 1 1.126,159 \$87.498.3 50.07 3.748.95 50.07 3.748.95 50.07 3.749.95 50.0801 1 1.126,453 \$83.31.06 50.0809 2 </td <td>Commercial (3 Ph-In - w/Demand, No Ta</td> <td>EC3T</td> <td>1</td> <td>5,680</td> <td>\$686.81</td> <td>23</td> <td>\$0.1209</td> <td>\$0.1229</td> <td>1</td> <td>2,400</td> <td>\$284.95</td> <td>\$0.1187</td> <td>1</td> <td>1,840</td> <td>\$211.56</td> <td>\$0.1150</td>	Commercial (3 Ph-In - w/Demand, No Ta	EC3T	1	5,680	\$686.81	23	\$0.1209	\$0.1229	1	2,400	\$284.95	\$0.1187	1	1,840	\$211.56	\$0.1150
Large Power (in - wDmd & Pet) EL1 20 2.001.14 \$217.71.68 52.0045 2.1.99.89 520.027.74 50.081 21 2.403.460 521.77.27 50.081 521.77.27 50.081 521.77.27 50.081 521.77.27 50.081 521.77.27 50.081 521.77.27 50.081 521.77.27 50.081 521.77.27 50.081 521.77.27 50.081 521.77.27 50.081 520.074 31 994.472 573.37.27 50.09 Large Power (in - wDmd & Rct, wSbC) EL3 2 451.95 \$53.827.729 \$6.093 50.0936 27 4.205.732 \$337.193.90 \$0.0902 27 3,763.919 \$324.506.38 \$0.091 1 11.561.55 \$57.758.34 \$0.091 1 11.961.55 \$57.758.34 \$0.091 1 11.92.579 \$37.758.35 \$0.070 1 11.561.55 \$57.758.34 \$0.092 2 2,759.64 \$0.078 1 11.02.570 \$57.758.34 \$0.079 1 11.92.570 \$57.758.34 \$0.079 1 11.92.575																
Large Power (n. wDmd & Rct, wSbCh) EL2 3 996.087 586 575.44 1922 90.0896 50.0875 3 1.099.839 582.80.55 50.0754 3 994.472 579.375.27 80.07 Large Power (n. wDmd & Rct, wSbC EL2 1 2 45.198 58.09.22 307 \$0.1783 \$0.039 1 332.400 528.057.64 50.0802 2 70.607 \$57.256.09 \$80.0776 \$0.000 Large Power (n. wDmd & Rct, wSbC) EL3 2 45.198 58.09.22 307 \$0.1783 \$0.039 1 32.400 \$28.057.64 \$0.0802 2 7 3,75.27 \$55.941 \$0.074 Total Large Power (n. wDmd & Rct, wSbC) EL3 2 45.198 \$80.992 307 \$0.1783 \$0.039 1 2 77.4205,732 \$337,128.00 \$0.0802 27 \$3,75.29 \$0.075 1 1.125.75 \$0.075 1 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total Commercial (3 Ph) w/Demand		245	2,202,844	\$264,656.45	7,843	\$0.1201	\$0.1180	249	2,205,663	\$237,902.03	\$0.1079	248	1,992,070	\$221,424.42	\$0.1112
Large Power (n. wDmd & Rct, wSbCh) EL2 3 996.087 586 575.44 1922 90.0896 50.0875 3 1.099.839 582.80.55 50.0754 3 994.472 579.375.27 80.07 Large Power (n. wDmd & Rct, wSbC EL2 1 2 45.198 58.09.22 307 \$0.1783 \$0.039 1 332.400 528.057.64 50.0802 2 70.607 \$57.256.09 \$80.0776 \$0.000 Large Power (n. wDmd & Rct, wSbC) EL3 2 45.198 58.09.22 307 \$0.1783 \$0.039 1 32.400 \$28.057.64 \$0.0802 2 7 3,75.27 \$55.941 \$0.074 Total Large Power (n. wDmd & Rct, wSbC) EL3 2 45.198 \$80.992 307 \$0.1783 \$0.039 1 2 77.4205,732 \$337,128.00 \$0.0802 27 \$3,75.29 \$0.075 1 1.125.75 \$0.075 1 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0															-	
Large Power (n. wDmd & Rct, wSbCh) EL2 3 996.087 586 575.44 1922 90.0896 50.0875 3 1.099.839 582.80.55 50.0754 3 994.472 579.375.27 80.07 Large Power (n. wDmd & Rct, wSbC EL2 1 2 45.198 58.09.22 307 \$0.1783 \$0.039 1 332.400 528.057.64 50.0802 2 70.607 \$57.256.09 \$80.0776 \$0.000 Large Power (n. wDmd & Rct, wSbC) EL3 2 45.198 58.09.22 307 \$0.1783 \$0.039 1 32.400 \$28.057.64 \$0.0802 2 7 3,75.27 \$55.941 \$0.074 Total Large Power (n. wDmd & Rct, wSbC) EL3 2 45.198 \$80.992 307 \$0.1783 \$0.039 1 2 77.4205,732 \$337,128.00 \$0.0802 27 \$3,75.29 \$0.075 1 1.125.75 \$0.075 1 0.00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Large Power (In - w/Dmd & Bct)	FI 1	20	2 303 124	\$218 711 68	5223	\$0.0950	\$0.0945	21	2 693 896	\$220 257 42	\$0.0818	21	2 403 640	\$211 797 66	\$0.0881
Large Power (0.1 - w/Dmd & Ret, w/SbC) EL20 1 4775.200 \$44.870.96 1041 \$00.939 1 332.400 \$28.957.86 \$00.944 1 22.950.96 \$00.084 Large Power (n - w/Dmd & Ret, w/SbC) EL3 2 45.195 \$80.952.2 307 \$5.1783 \$27.95.97 \$5.394.15 \$0.076 2 70.807 \$7.256.68 \$0.080 Total Large Power 26 3,789,606 \$358,217.29 \$0.0936 \$27 4.205,732 \$337,129.40 \$0.0802 27 3,763,919 \$324,506.38 \$0.091 1 1.165,158 \$87,758.64 \$0.007 Industrial (n - w/Dmd & Ret, w/SbC) EL2 1 989,425.52 2042 \$0.0884 \$0.0810 1 1.128,579 \$79,886.73 \$0.0700 1 1.1023,505 \$77,58.64 \$0.077 Industrial (n - w/Dmd) ED1 1.986,586 \$168,83.07 \$1.44 \$0.0810 \$2 2,335,012 \$163,204.81 \$0.071 \$1.023,505 \$77,58.54 \$0.071 \$1.023,505 \$77,58.54																
Large Power (in - w/Dmd & Rct, w/SbCr) EL3 2 44,165 \$8,8059.22 307 \$0.1783 \$0.1393 2 79,977 \$5,934.15 90.0746 2 70,787.255.69 \$0.107 Total Large Power 26 3,789,606 \$3358,217.29 8,493 \$0.0945 \$0.0936 27 4,205,732 \$333,12.08 \$0.0601 1 1,156,156 \$37,758,35 \$0.076 1 1,156,156 \$37,758,35 \$0.076 1 1,022,306 \$77,758,35 \$0.076 1 1,022,306 \$77,758,35 \$0.076 1 1,022,306 \$77,758,35 \$0.076 1 1,022,306 \$77,758,35 \$0.076 1 1,022,306 \$77,758,35 \$0.076 1 1,022,306 \$77,758,35 \$0.076 1 1,022,306 \$77,758,35 \$0.076 1 1,022,306 \$77,758,35 \$0.076 1 1,022,306 \$77,758,35 \$0.076 1 1,022,306 \$77,758,35 \$0.076 1 1,022,306 \$77,758,35 \$0.076 1 1,022,306 \$77,758,35<						-										
Total Large Power Cold Cold <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									1							
Total Large Power 26 3,789,606 \$358,217.29 8,493 \$0.0945 \$0.0936 27 4,205,732 \$337,129.80 \$0.0802 27 3,763,919 \$324,506.38 \$0.0936 Industrial (In - wDmd & Rct, wSbCr) EI1 1 1,120,127 \$93,821.52 2042 \$0.0838 \$0.0815 1 1,206,433 \$83,318.08 \$0.0061 1 1,156,158 \$87,758.35 \$0.07 Total Industrial (In - wDmd & Rct, NoSbCr) EI2 1 866,459 \$74,763.35 \$1007 \$0.0863 \$0.0804 1 1,128,79 \$73,986,73 \$0.0768 1 1,023,055 \$77,58.44 \$0.07 Total Industrial 2 1,986,586 \$168,59.07 3,74 \$0.0804 \$2,233,012 \$163,204.81 \$0.0699 2 \$2,776,68 \$5165,344.79 \$0.07 Interdepartmental (In - wDmd) ED02 2 366 \$0.1747 \$2 \$2,785,81 \$0.0806 \$0.110 \$0.0806 \$0.110 \$0.0806 \$0.110 \$0.0806 \$0.111 \$0.122,851,8	Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	45,195	\$8,059.22	307	\$0.1783	\$0.1393	2	79,597	\$5,934.15	\$0.0746	2	70,607	\$7,256.69	\$0.1028
Industrial (In - wDmd & Rct, wiSbC) EI 1 1,120,127 593,821.5 2042 \$0.083 \$0.0815 1 1,206,433 \$0.076 1 1,156,159 \$97,758.35 \$0.070 Industrial (In - wDmd & Rct, NoSCC) EI2 1 1,966,565 \$74,763.55 1707 \$0.0863 \$0.0804 1 1,128,579 \$79,886,73 \$0.0706 1 1,023,505 \$77,58.44 \$0.077 Indredopartmental (In - wDmd) ED1 8 \$22,523 \$3.00.77 146 \$0.0100 \$0.1094 8 34.464 \$3.80.2.9 \$0.0120 \$0.0864 \$0.0120 \$0.1094 8 \$3.80.2.9 \$0.0100 \$0.127 \$0.127 \$3.85.8 \$0.1287 \$0.0766 \$0.1287 \$0.0766 \$0.1287 \$0.0766 \$0.1287 \$0.0766 \$0.127 \$4.447 \$5.868.15 \$0.011 \$0.1287 \$0.0766 \$0.127 \$4.33.60.2 \$0.0182 \$0.025 \$0.0127 \$0.023 \$0.025 \$0.0127 \$0.086 \$0.112 \$0.127 \$5.868.15 \$0.011																
Industrial (n - wDmd & Rct, No/SbCr) EI2 1 866,459 \$77,476.355 1707 \$0.0803 \$0.0804 1 1.128,579 \$79,886.73 \$0.0708 1 1.023,505 \$77,586.44 \$0.077 Total Industrial 2 1.986,586 \$168,585.07 3.749 \$0.0804 \$0.0810 2 2,335,012 \$163,204.81 \$0.0708 1 1.023,505 \$77,586.44 \$0.077 Indredepartmental (n - No Dmd) ED1 8 32,252 \$3,003,77 146 \$0.120 \$0.104 8 34,464 \$3.302.92 \$0.1103 8 63,180 \$6.320.99 \$0.010 Indredepartmental (n - wDmd) ED2 2 2 23.33 \$0.1247 \$0.1467 29 36.70 \$4.33.965 \$0.118 \$27.44 \$5.868.15 \$0.01 Indredepartmental (Street Lights) ED3 11 207.490 \$52.427.02 \$0.0303 \$0.0393 \$0.0393 \$0.0362 \$1.62.371 \$5.068.15 \$0.0393 Indredepartmental (Street Lights) ED3	Total Large Power		26	3,789,606	\$358,217.29	8,493	\$0.0945	\$0.0936	27	4,205,732	\$337,129.80	\$0.0802	27	3,763,919	\$324,506.38	\$0.0862
Industrial (n - wDmd & Rct, No/SbCr) EI2 1 866,459 \$77,476.355 1707 \$0.0803 \$0.0804 1 1.128,579 \$79,886.73 \$0.0708 1 1.023,505 \$77,586.44 \$0.077 Total Industrial 2 1.986,586 \$168,585.07 3.749 \$0.0804 \$0.0810 2 2,335,012 \$163,204.81 \$0.0708 1 1.023,505 \$77,586.44 \$0.077 Indredepartmental (n - No Dmd) ED1 8 32,252 \$3,003,77 146 \$0.120 \$0.104 8 34,464 \$3.302.92 \$0.1103 8 63,180 \$6.320.99 \$0.010 Indredepartmental (n - wDmd) ED2 2 2 23.33 \$0.1247 \$0.1467 29 36.70 \$4.33.965 \$0.118 \$27.44 \$5.868.15 \$0.01 Indredepartmental (Street Lights) ED3 11 207.490 \$52.427.02 \$0.0303 \$0.0393 \$0.0393 \$0.0362 \$1.62.371 \$5.068.15 \$0.0393 Indredepartmental (Street Lights) ED3																
Industrial (n - wDmd & Rct, No/SbCr) EI2 1 866,459 \$77,476.355 1707 \$0.0803 \$0.0804 1 1.128,579 \$79,886.73 \$0.0708 1 1.023,505 \$77,586.44 \$0.077 Total Industrial 2 1.986,586 \$168,585.07 3.749 \$0.0804 \$0.0810 2 2,335,012 \$163,204.81 \$0.0708 1 1.023,505 \$77,586.44 \$0.077 Indredepartmental (n - No Dmd) ED1 8 32,252 \$3,003,77 146 \$0.120 \$0.104 8 34,464 \$3.302.92 \$0.1103 8 63,180 \$6.320.99 \$0.010 Indredepartmental (n - wDmd) ED2 2 2 23.33 \$0.1247 \$0.1467 29 36.70 \$4.33.965 \$0.118 \$27.44 \$5.868.15 \$0.01 Indredepartmental (Street Lights) ED3 11 207.490 \$52.427.02 \$0.0303 \$0.0393 \$0.0393 \$0.0362 \$1.62.371 \$5.068.15 \$0.0393 Indredepartmental (Street Lights) ED3	Industrial (In - w/Dmd & Rct, w/SbCr)	El1	1	1,120,127	\$93.821.52	2042	\$0.0838	\$0.0815	1	1.206.433	\$83,318,08	\$0.0691	1	1.156.158	\$87,758,35	\$0.0759
Total Industrial main main <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>\$0.0758</td>			1						1				1			\$0.0758
Total Industrial 2 1,986,586 \$168,585.07 3,749 \$0.0849 \$0.0810 2 2,335,012 \$163,204.81 \$0.0699 2 2,179,663 \$165,344.79 \$0.07 Interdepartmental (In - No Dmd) ED1 8 32.523 \$3.903.77 146 \$0.1027 \$0.1746 2 327 \$559.61 \$0.1829 2 238 \$50.86 \$0.211 Interdepartmental (In - w/Dmd) ED2 2 21.392 \$2.282.44 0 \$0.1827 \$0.1746 2 327 \$559.61 \$0.1829 2 28.850.86 \$0.211 Interdepartmental (In - w/Dmd) ED2 27 21.392 \$2.282.42.90 731 \$0.1129 \$0.1055 11 21.454.42 \$2.14.14.55 \$0.0932 \$0.0925 \$0.9925 \$0.9925 \$15 1.974 \$8.862.30 \$0.0932 \$7 \$62.879 \$5.860.15 \$0.093 \$0.0932 \$7 \$62.879 \$5.850.15 \$0.093 \$0.0932 \$1 \$1.837 \$169.84 \$0.033 \$0.0332<					÷. 1,7 00.00		20.0000	÷0.0004		.,		÷0.07.00			÷.,,000.44	20.07.00
Interdepartmental (In - No Dmd) ED1 8 32,232 \$\$3,903,77 146 \$\$0,120 \$\$0,120 \$\$0,120 \$\$0,120 \$\$0,120 \$\$0,120 \$\$0,120 \$\$0,120 \$\$0,120 \$\$0,120 \$\$0,120 \$\$0,127 \$\$2,928,44 \$\$0,122 \$\$0,127 \$\$2,928,44 \$\$0,126 \$\$0,127 \$\$2,928,44 \$\$0,1280 \$\$0,126 \$\$0,022 \$\$0,116 \$\$0,227 \$\$0,116 \$\$0,227 \$\$0,116 \$\$0,023 \$\$0,003 \$\$0,003 \$\$0,0030 \$\$0,0030 \$\$0,0030 \$\$0,0025 \$\$1,026,121 \$\$0,0025 \$\$1,026,121 \$\$0,003 \$\$0,0025 \$\$1,026,121 \$\$0,0025 \$\$0,000 \$\$1,026,126 \$\$0,003 \$\$0	Total Industrial				\$169 595 07		\$0.0840	\$0.0810		2 335 012		0030.02			\$165 344 70	\$0.0750
Interdepartmental (Out - w/Dmd) ED20 2 396 \$72.33 0 \$0.1827 \$0.1746 2 32.7 \$59.81 \$0.1829 2 238 \$50.86 \$0.21 Interdepartmental (In - w/Dmd) ED2 27 21,392 \$2,320.90 \$731 \$0.1129 \$0.1807 \$4,336.96 \$0.1186 27 49,447 \$5,686.15 \$0.111 Interdepartmental (Ph-n-w/Dmd) ED3 11 207.490 \$2,342.0.90 731 \$0.1129 \$0.0851 \$11 214.542 \$21,414.53 \$0.0932 7 62,873 \$5,850.15 \$0.09 Interdepartmental (Street Lights) EDSL 7 62,879 \$5,850.15 \$0.092 \$0.0925 \$0.0925 \$1,974 \$182.51 \$0.0925 \$1 \$1,837 \$6,864 \$0.0937 \$1 \$1,919 \$5,850.15 \$0.093 \$0.0936 \$0.0925 \$1 \$1,974 \$182.51 \$0.0925 \$1 \$1,837 \$6,864 \$0.0375 \$1 \$1,837 \$6,864 \$0.0375 \$1 \$1,3204 \$465.04 \$0.033 \$0.030 \$1 \$12,297 \$461.26				1,300,300	φ100,000.07	3,749	40.0049	ψ0.0010	- 4	2,000,012	ψ103,204.01	40.0039	2	2,179,003	ψ100,044.79	40.0739
Interdepartmental (Out - w/Dmd) ED20 2 396 \$72.33 0 \$0.1827 \$0.1746 2 32.7 \$59.81 \$0.1829 2 238 \$50.86 \$0.21 Interdepartmental (In - w/Dmd) ED2 27 21,392 \$2,320.90 \$731 \$0.1129 \$0.1807 \$4,336.96 \$0.1186 27 49,447 \$5,686.15 \$0.111 Interdepartmental (Ph-n-w/Dmd) ED3 11 207.490 \$2,342.0.90 731 \$0.1129 \$0.0851 \$11 214.542 \$21,414.53 \$0.0932 7 62,873 \$5,850.15 \$0.09 Interdepartmental (Street Lights) EDSL 7 62,879 \$5,850.15 \$0.092 \$0.0925 \$0.0925 \$1,974 \$182.51 \$0.0925 \$1 \$1,837 \$6,864 \$0.0937 \$1 \$1,919 \$5,850.15 \$0.093 \$0.0936 \$0.0925 \$1 \$1,974 \$182.51 \$0.0925 \$1 \$1,837 \$6,864 \$0.0375 \$1 \$1,837 \$6,864 \$0.0375 \$1 \$1,3204 \$465.04 \$0.033 \$0.030 \$1 \$12,297 \$461.26																
Interdepartmental (In - w/Dmd) ED2 27 21,392 \$2,928,44 0 \$0.1369 \$0.1247 29 36,570 \$4,336.96 \$0.1186 27 49,447 \$5,868.15 \$0.11 Interdepartmental (Br-In- w/Dmd) ED3 11 207,490 \$23,400.90 731 \$0.1129 \$0.1085 11 214,542 \$21,414.53 \$0.0998 11 205,612 \$21,129.50 \$0.019 Interdepartmental (Street Lights) EDSL 7 62,879 \$5,849.08 0 \$0.0930 7 62,879 \$5,862.30 \$0.0932 7 62,879 \$5,862.31 \$0.0932 1 1,807 \$168.84 \$0.09 Interdepartmental (Traffic Signals) EDTS 9 1,716 \$158.67 0 \$0.0925 \$0.0925 15 1,974 \$188.251 \$0.0925 \$1 1,807 \$168.84 \$0.09 Generators (JVZ Power Cost Only) GJVZ 1 12,279 \$1,240.42 21 \$0.0101 \$0.0000 1 17,671 \$662.84 \$0.0375 1 13,204 \$465.04 \$0.03 Generators (JVZ Po						146			8							\$0.1000
Interdepartmental (3Ph-In - w/Dmd) ED3 11 207,490 \$23,420.90 731 \$0.1129 \$0.1085 11 214,542 \$21,414.53 \$0.0998 11 205,612 \$21,129.50 \$0.10 Interdepartmental (Street Lights) EDSL 7 62,879 \$5,862.30 \$0.0993 7 62,879 \$5,862.30 \$0.0992 15 1.837 \$169.84 \$0.09 Interdepartmental (Taffic Signals) EDTS 9 1.716 \$158.67 0 \$0.0925 \$0.0902 15 1.919 \$676.19 \$0.03 Generators (JVZ Power Cost Only) GJVZ 1 12,279 \$1,240.42 21 \$0.0101 \$0.0000 1 17,671 \$662.84 \$0.0375 1 19,199 \$676.19 \$0.03 Generators (JVZ Power Cost Only) GJV5 1 12,279 \$1,240.42 21 \$0.0101 \$0.0000 1 17,671 \$662.84 \$0.0375 1 13,204 \$465.04 \$0.03 Generators (JVS Power Cost Only) GJV5 1 12,279 \$1,240.42 21 \$0.01019 74 380,724						0			2							\$0.2137
Interdepartmental (Street Lights) EDSL 7 62,879 \$5,849.08 0 \$0.0930 \$0.0930 7 62,879 \$5,860.15 \$0.09 Interdepartmental (Traffic Signals) EDTS 9 1,716 \$158.67 0 \$0.0925 15 1,974 \$182.61 \$0.0925 15 1,837 \$169.84 \$0.09 Generators (JV2 Power Cost Only) GJV2 1 17,504 \$1,768.25 29 \$0.1010 \$0.0000 1 17,671 \$62.84 \$0.0375 1 19,199 \$676.19 \$0.03 Generators (JV2 Power Cost Only) GJV5 1 12,279 \$1,610.297 \$0.0000 1 12,297 \$61.26 \$0.0375 1 13,204 \$40,500.72 \$0.09 Total Interdepartmental 66 356,179 \$39,341.86 927 \$0.1015 \$0.1019 74 380,724 \$36,783.13 \$0.0966 72 445,596 \$40,500.72 \$0.091 SUB-TOTAL CONSUMPTION & DEMAND 5,854 12,303,128 \$1,298,939.94	Interdepartmental (In - w/Dmd)					0					\$4,336.96					\$0.1187
Interdepartmental (Street Lights) EDSL 7 62,879 \$5,849.08 0 \$0.0930 \$0.0930 7 62,879 \$5,860.15 \$0.09 Interdepartmental (Traffic Signals) EDTS 9 1,716 \$158.67 0 \$0.0925 15 1,974 \$182.61 \$0.0925 15 1,837 \$169.84 \$0.09 Generators (JV2 Power Cost Only) GJV2 1 17,504 \$1,768.25 29 \$0.1010 \$0.0000 1 17,671 \$62.84 \$0.0375 1 19,199 \$676.19 \$0.03 Generators (JV2 Power Cost Only) GJV5 1 12,279 \$1,610.297 \$0.0000 1 12,297 \$61.26 \$0.0375 1 13,204 \$40,500.72 \$0.09 Total Interdepartmental 66 356,179 \$39,341.86 927 \$0.1015 \$0.1019 74 380,724 \$36,783.13 \$0.0966 72 445,596 \$40,500.72 \$0.091 SUB-TOTAL CONSUMPTION & DEMAND 5,854 12,303,128 \$1,298,939.94	Interdepartmental (3Ph-In - w/Dmd)	ED3	11	207,490	\$23,420.90	731	\$0.1129	\$0.1085	11	214,542	\$21,414.53	\$0.0998	11	205,612	\$21,129.50	\$0.1028
Interdepartmental (Traffic Signals) EDTS 9 1,716 \$158.67 0 \$0.0925 \$1.0925 15 1,974 \$182.51 \$0.0925 15 1,837 \$169.84 \$0.09 Generators (JV2 Power Cost Only) GJV2 1 17.504 \$1,766.25 29 \$0.0000 1 17.671 \$662.84 \$0.0375 1 19,199 \$676.19 \$0.03 Generators (JV5 Power Cost Only) GJV5 1 12,279 \$1,240.42 21 \$0.0101 \$0.0000 1 12,297 \$461.26 \$0.0375 1 13,204 \$4465.04 \$0.03 Generators (JV5 Power Cost Only) GJV5 1 12,279 \$1,240.42 21 \$0.0101 \$0.0000 1 12,297 \$461.26 \$0.0375 1 13,204 \$465.04 \$0.03 Generators (JV5 Power Cost Only) GJV5 1 12,279 \$1.120.49 \$0.0105 \$0.0119 74 380,724 \$36,783.13 \$0.0966 72 \$415,596 \$41,795,655.65 \$0.091 SUB-TOTAL CONSUMPTION & DEMAND 5,854 12,293,3128 \$1,299,939.44 \$0		EDSL	7	62,879		0	\$0.0930	\$0.0930	7	62,879		\$0.0932	7	62,879	\$5,850.15	\$0.0930
Generators (JV2 Power Cost Only) GJV2 1 17,504 \$1,768.25 29 \$0.101 \$0.0000 1 17,671 \$662.84 \$0.0375 1 19,199 \$676.19 \$0.03 Generators (JV5 Power Cost Only) GUV5 1 12,279 \$1,240.42 21 \$0.010 \$0.0000 1 12,297 \$461.26 \$0.0375 1 13,204 \$466.04 \$0.03 Total Interdepartmental 66 356,179 \$33,341.86 927 \$0.1105 \$0.0109 74 380,724 \$36,783.13 \$0.0966 72 415,596 \$40,530.72 \$0.09 SUB-TOTAL CONSUMPTION & DEMAND 5,854 12,303,128 \$1,298,939.94 23,494 \$0.1057 5,900 12,789,555 \$1,165,004.47 \$0.091 \$1,79,565.65 \$0.090 Street Lights (In) SLO 16 0 \$13.73 0 \$0.0000 \$0.2335 15 0 \$13.59 \$0.000 Street Lights (Out) SLOO 2 0 \$1.000 \$0.0000 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>0</td><td></td><td></td><td>15</td><td></td><td></td><td></td><td></td><td></td><td></td><td>\$0.0925</td></t<>						0			15							\$0.0925
Generators (JVS Power Cost Only) GJV5 1 12,279 \$1,240.42 21 \$0.101 \$0.000 1 12,297 \$461.26 \$0.0375 1 13,204 \$465.04 \$0.037 Total Interdepartmental 66 356,179 \$339,341.86 9277 \$0.1105 \$0.0107 74 338,724 \$336,783.13 \$0.0966 72 445,596 \$40,530.720 \$0.097 SUB-TOTAL CONSUMPTION & DEMAND 5,854 12,303,128 \$1,298,939.94 23,494 \$0.1056 \$0.1027 5,900 12,789,555 \$1,165,004.47 \$0.0911 5,867 12,294,695 \$1,179,565.56 \$0.097 Street Lights (In) SLO 16 0 \$1.3.73 0 \$0.000 \$0.235 15 0 \$13.59 \$0.000 15 0 \$13.59 \$0.000			1			20							1			
Interdepartmental Image: Marcol			-													
Total Interdepartmental 66 356,179 \$39,341.86 927 \$0.105 \$0.019 74 380,724 \$36,783.13 \$0.096 72 415,596 \$40,530.72 \$0.09 SUB-TOTAL CONSUMPTION & DEMAND 5,854 12,303,128 \$1,298,939.94 23,494 \$0.1056 \$0.1027 5,900 12,789,555 \$1,165,004.47 \$0.091 12,294,695 \$1,179,565.56 \$0.091 SUB-TOTAL CONSUMPTION & DEMAND 5,857 12,303,128 \$1,298,939.94 23,494 \$0.1056 \$0.1027 \$9,001 12,789,555 \$1,165,004.47 \$0.091 12,294,695 \$1,179,565.56 \$0.091 Street Lights (In) SLO 16 0 \$13.73 0 \$0.0000 \$0.2335 15 0 \$13.59 \$0.000 \$0.0000<	Generators (JV5 Power Cost Uniy)	G172	1										1			Φ 0.0352
SUB-TOTAL CONSUMPTION & DEMAND 5,854 12,303,128 \$1,298,939.94 23,494 \$0.1056 \$0.1027 5,900 12,789,555 \$1,165,004.47 \$0.0911 5,867 12,294,695 \$1,179,565.56 \$0.09 Street Lights (In) SLO 16 0 \$13.73 0 \$0.0000 \$0.2335 15 0 \$13.59 \$0.000 \$0.77 \$0.0000 2 0 \$0.777 \$0.0000 2 0 \$0.777 \$0.0000 2 0 \$0.777 \$0.0000 2 0 \$0.777 \$0.0000 2 0 \$0.777 \$0.0000 2 0 \$0.777 \$0.0000 2 0 \$0.777 \$0.0000 2 0 \$0.777 \$0.0000 2 0 \$0.777 \$0.0000 2 0 \$0.777 \$0.0000 2 0 \$0.777 \$0.0000 2 0 \$0.777 \$0.0000 2 0 \$0.777 \$0.0000 2 0 \$0.077 \$0.0000 \$0.077 \$0.0000 <	T-t-that-adam-atma											** ***				AC 007-
Street Light Only SLOO 16 0 \$13.73 0 \$0.0000 \$0.2335 15 0 \$13.59 \$0.0000 \$0.2000 \$0.0000 \$0.2335 15 0 \$13.59 \$0.0000 \$0.0000 \$0.2335 15 0 \$13.59 \$0.0000	l otal Interdepartmental		66	356,179	\$39,341.86	927	\$0.1105	\$0.1019	74	380,724	\$36,783.13	\$0.0966	/2	415,596	\$40,530.72	\$0.0975
Street Light Only SLOO 16 0 \$13.73 0 \$0.0000 \$0.2335 15 0 \$13.59 \$0.0000 \$0.2000 \$0.0000 \$0.2335 15 0 \$13.59 \$0.0000 \$0.0000 \$0.2335 15 0 \$13.59 \$0.0000																
Street Lights (In) SLO 16 0 \$13.73 0 \$0.000 \$0.2335 15 0 \$13.59 \$0.000 15 0 \$13.59 \$0.000 \$13.59 \$0.000 15 0 \$13.59 \$0.000 \$0.2335 15 0 \$13.59 \$0.000 15 0 \$13.59 \$0.000 \$0.000 \$0.000 \$0.2335 15 0 \$13.59 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.77 \$0.000	SUB-TOTAL CONSUMPTION & DEMAN	ID	5,854	12,303,128	\$1,298,939.94	23,494	\$0.1056	\$0.1027	5,900	12,789,555	\$1,165,004.47	\$0.0911	5,867	12,294,695	\$1,179,565.56	\$0.0959
Street Lights (In) SLO 16 0 \$13.73 0 \$0.000 \$0.2335 15 0 \$13.59 \$0.000 15 0 \$13.59 \$0.000 \$13.59 \$0.000 15 0 \$13.59 \$0.000 \$0.2335 15 0 \$13.59 \$0.000 15 0 \$13.59 \$0.000 \$0.000 \$0.000 \$0.2335 15 0 \$13.59 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.000 \$0.77 \$0.000			:						=							
Street Lights (Out) SLOO 2 0 \$1.92 0 \$0.0000 \$0.0000 2 0 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000							I									
Street Lights (Out) SLOO 2 0 \$1.92 0 \$0.0000 \$0.0000 2 0 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000 \$0.0000	Street Lights (In)	SLO	16	0	\$13.72	0	\$0.000	\$0 2225	15	0	\$13.50	\$0.000	15	0	\$13.50	\$0.0000
Total Street Light Only 18 0 \$1.5.65 0 \$0.000 \$0.240 17 0 \$14.36 \$0.0001 \$14.36 \$0.0001 \$14.36 \$0.0001 \$14.36 \$0.0001 \$14.36 \$0.0001 \$14.36 \$0.0001 \$14.36 \$0.0001 \$14.36 \$0.0001 \$14.36 \$0.0001 \$14.36 \$0.0001 \$0.0011 <			10			0			13	0						
Total Street Light Only 18 0 \$15.65 0 \$0.0000 \$0.2406 17 0 \$14.36 \$0.0000 17 0 \$14.36 \$0.0000 17 0 \$14.36 \$0.0000 17 0 \$14.36 \$0.0000 17 0 \$14.36 \$0.0000 17 0 \$14.36 \$0.0000 17 0 \$14.36 \$0.0000 10 10 \$14.36 \$0.0000 17 0 \$14.36 \$0.000 \$0		3100	2	0		0	φ0.0000	φ0.0000	- 4	U		φυ.υυυυ	2	U	φU.//	φυ.υυυυ
TOTAL CONSUMPTION & DEMAND 5,872 12,303,128 \$1,298,955.59 23,494 \$0.1056 \$0.1027 5,917 12,789,555 \$1,165,018.83 \$0.0911 5,884 12,294,695 \$1,179,579.92 \$0.09	T . 10			-												
TOTAL CONSUMPTION & DEMAND 5,872 12,303,128 \$1,298,955.59 23,494 \$0.1056 \$0.1027 5,917 12,789,555 \$1,165,018.83 \$0.0911 5,884 12,294,695 \$1,179,579.92 \$0.09	I otal Street Light Only		18	0	\$15.65	0	\$0.0000	\$0.2406	17	0	\$14.36	\$0.0000	17	0	\$14.36	\$0.0000
	TOTAL CONSUMPTION & DEMAND		5,872	12,303,128	\$1,298,955.59	23,494	\$0.1056	\$0.1027	5,917	12,789,555	\$1,165,018.83	\$0.0911	5,884	12,294,695	\$1,179,579.92	\$0.0959
			-	, ,	. , ,	,			======							

BILLING SUMMARY AND CO)															
DECEMBER, 2016	-															
2016 - DECEMBER BILLING WITH NOVEMBER	21															
	Feb-16				Mar-16				Apr-16				May-16			
Class and/or Rate	# of	Feb-16	Feb-16	Cost / kWH	# of	Mar-16	Mar-16	Cost / kWH	# of	Apr-16	Apr-16	Cost / kWH	# of	May-16	May-16	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	2,336,473	\$233,564.23	\$0.1000	3,345	2,347,687	\$244,491.10	\$0.1041	3,345	2,115,617	\$223,079.18	\$0.1054	3,328	1,745,478	\$196,444.14	\$0.1125
Residential (Dom-In) w/Ecosmart E1E	9	4,542	\$469.07	\$0.1033	9	4,327	\$468.00	\$0.1082	9	3,918	\$429.97	\$0.1097	9	3,507	\$408.58	\$0.1165
Residential (Dom-In - All Electric) E2	605	655,616	\$63,527.74	\$0.0969	608		\$76,046.71	\$0.1005	608	638,315	\$64,884.51	\$0.1016	610	457,976	\$49,954.20	\$0.1091
Res.(Dom-In - All Elec.) w/Ecosmart E2E	1	545	\$55.80	\$0.1024	1	597	\$63.13	\$0.1057	1	596	\$63.19	\$0.1060	1	511	\$57.67	\$0.1129
Total Residential (Domestic)	3,958	2,997,176	\$297,616.84	\$0.0993	3,963	3,109,591	\$321,068.94	\$0.1033	3,963	2,758,446	\$288,456.85	\$0.1046	3,948	2,207,472	\$246,864.59	\$0.1118
Residential (Rural-Out) ER1	757	907,174	\$94,694.90	\$0.1044	759	875,454	\$95,412.70	\$0.1090	756	779,953	\$86,047.23	\$0.1103	752	663,486	\$77,716.74	\$0.1171
Residential (Rural-Out) w/Ecosmart ER1E	4	3,834	\$408.52	\$0.1066	4	3,230	\$364.37	\$0.1128	4	2,546	\$296.42	\$0.1164	4	2,328	\$286.46	\$0.1230
Residential (Rural-Out - All Electric) ER2	383	551,963	\$56,838.04	\$0.1030	384	587,960	\$62,814.15	\$0.1068	384	507,976	\$54,947.15	\$0.1082	383	427,039	\$49,004.46	\$0.1148
Res. (Rural-Out - All Electric) w/Ecosmar ER2E	2	2,918	\$300.36	\$0.1029	2	2,960	\$317.12	\$0.1071	2		\$283.32	\$0.1083	2	1,902	\$221.22	\$0.1163
Residential (Rural-Out w/Dmd) ER3	16	25,972	\$2,651.52	\$0.1021	16		\$3,181.29	\$0.1055	16		\$2,948.93	\$0.1063	16		\$2,475.80	\$0.1130
Residential (Rural-Out - All Electric w/Dm ER4	9	10,004	\$1,051.19	\$0.1051	9	11,290	\$1,222.89	\$0.1083	9	9,995	\$1,096.12	\$0.1097	9	7,908	\$926.67	\$0.1172
Total Desidential (Dena)		4 504 005		00 4000	4 474	4 544 054		* 0 4004		4 000 000	****	00.4004	4.400		6400 004 05	00 4400
Total Residential (Rural)	1,171	1,501,865	\$155,944.53	\$0.1038	1,174	1,511,051	\$163,312.52	\$0.1081	1,171	1,330,839	\$145,619.17	\$0.1094	1,166	1,124,573	\$130,631.35	\$0.1162
Commercial (1 Ph-In - No Dmd) EC2	74	52,205	\$6,581.79	\$0.1261	75	53,648	\$6,982.89	\$0.1302	75	52,551	\$6,871.47	\$0.1308	75	45,379	\$6,290.63	\$0.1386
Commercial (1 Ph-In - No Dmd) EC2 Commercial (1 Ph-Out - No Dmd) EC2O	43	52,205 8,018	\$6,581.79 \$1,392.38	\$0.1261	75 43	53,648	\$6,982.89 \$1,468.25	\$0.1302 \$0.1751	75 43	52,551 8,714	\$6,871.47 \$1,508.23	\$0.1308 \$0.1731	75 43		\$6,290.63 \$1,308.66	\$0.1386 \$0.1965
EG20	43	0,018	φ1,392.38	φ0.1737	43	0,303	φ1,400.25	φυ.1/31	43	0,714	φ1,000.23	φυ.1/31	43	660,0	φ1,300.00	φU.1905
Total Commercial (1 Ph) No Dmd	117	60,223	\$7,974.17	\$0.1324	118	62,031	\$8,451.14	\$0.1362	118	61,265	\$8,379.70	\$0.1368	118	52,038	\$7,599.29	\$0.1460
		00,223	φ1,314.17	ψ 0.1 324	110	02,031	40,401.14	ψ0.1302	110	01,205	φ0,319.70	φ0.1300	110	52,030	φ1,099.29	ψυ. 1400
Commercial (1 Ph-In - w/Demand) EC1	256	306,848	\$38,364.05	\$0.1250	255	337,026	\$42,741.72	\$0.1268	255	300,781	\$39,283.01	\$0.1306	256	353,349	\$46,128.85	\$0.1305
Commercial (1 Ph-Out - w/Demand) EC10	230	36,267	\$4,391.42	\$0.1250	233	41,186	\$4,956.90	\$0.1208	233	36,470	\$4,539.18	\$0.1300	230		\$4,386.25	\$0.1305
Commercial (1 FII-Out - W/Demand) ECTO		30,207	\$ 4,331.4 2	φ0.1211	24	41,100	φ4,900.90	\$0.1204	24	30,470	\$4,005.10	φ0.1245	24	33,009	φ 4 ,300.23	φ0.1320
Total Commercial (1 Ph) w/Demand	280	343,115	\$42,755.47	\$0.1246	279	378,212	\$47,698.62	\$0.1261	279	337,251	\$43,822.19	\$0.1299	280		\$50,515.10	\$0.1307
		0.0,0	¢.12,7.00111	\$0.12.10		0.0,2.12	¢,000.02	÷0201			÷.0,022110	÷0.1.200		000,100	\$00,010110	+0001
Commercial (3 Ph-Out - No Dmd) EC40	2	400	\$79.67	\$0.1992	2	1,000	\$149.48	\$0.1495	2	880	\$136.11	\$0.1547	2	400	\$83.56	\$0.2089
			φ/ 5 .07	ψ0.1002			φ1+0.+0	φ0.1400			φ100.11	φ0.1047			φ00.00	φ0.2000
Total Commercial (3 Ph) No Dmd	2	400	\$79.67	\$0.1992	2	1,000	\$149.48	\$0.1495	2	880	\$136.11	\$0.1547	2	400	\$83.56	\$0.2089
					_	.,										
Commercial (3 Ph-In - w/Demand) EC3	205	1,396,306	\$152,228.19	\$0.1090	204	1,492,235	\$165,735.10	\$0.1111	201	1.330.300	\$150,670.14	\$0.1133	204	1,337,448	\$158,129.92	\$0.1182
Commercial (3 Ph-Out - w/Demand) EC3O	39	355,628	\$38,994.81	\$0.1097	39	379,416	\$42,543.57	\$0.1121	39	336,543	\$38,541.02	\$0.1145	39		\$39,624.69	\$0.1188
Commercial (3 Ph-Out - w/Dmd.&Sub-St E3SO	3	137,920	\$14,016.49	\$0.1016	3		\$15,798.47	\$0.1055	3	131,080	\$13,890.07	\$0.1060	3	134,040	\$14,680.26	\$0.1095
Commercial (3 Ph-In - w/Demand, No Ta EC3T	1	1,920	\$212.10	\$0.1105	1	2,160	\$242.85	\$0.1124	1	2,120	\$240.01	\$0.1132	1	2,000	\$238.27	\$0.1191
Total Commercial (3 Ph) w/Demand	248	1,891,774	\$205,451.59	\$0.1086	247	2,023,611	\$224,319.99	\$0.1109	244	1,800,043	\$203,341.24	\$0.1130	247	1,806,911	\$212,673.14	\$0.1177
Large Power (In - w/Dmd & Rct) EL1	21	2,310,925	\$199,175.25	\$0.0862	21	2,561,160	\$221,085.42	\$0.0863	21	2,385,374	\$216,220.16	\$0.0906	21	2,454,545	\$231,732.96	\$0.0944
Large Power (In - w/Dmd & Rct, w/SbCr) EL2	3	1,009,639	\$77,760.04	\$0.0770	3	1,042,283	\$84,501.97	\$0.0811	3	807,206	\$67,444.50	\$0.0836	3	912,431	\$78,956.21	\$0.0865
Large Power (Out - w/Dmd & Rct, w/SbC EL2O	1	246,000	\$21,470.29	\$0.0873	1	322,800	\$28,467.29	\$0.0882	1	338,400	\$30,419.43	\$0.0899	1	370,800	\$33,718.56	\$0.0909
Large Power (In - w/Dmd & Rct, w/SbCr) EL3	2	85,654	\$6,264.07	\$0.0731	2	85,512	\$6,619.24	\$0.0774	2	72,927	\$6,016.76	\$0.0825	2	93,761	\$14,517.81	\$0.1548
Total Large Power	27	3,652,218	\$304,669.65	\$0.0834	27	4,011,755	\$340,673.92	\$0.0849	27	3,603,907	\$320,100.85	\$0.0888	27	3,831,537	\$358,925.54	\$0.0937
Industrial (In - w/Dmd & Rct, w/SbCr) EI1	1	957,122	\$74,102.43	\$0.0774	1	1,194,711	\$89,279.02	\$0.0747	1	1,035,693	\$80,055.22	\$0.0773	1	1,030,712	\$85,857.58	\$0.0833
Industrial (In - w/Dmd & Rct, No/SbCr) EI2	1	896,274	\$67,913.52	\$0.0758	1	1,122,083	\$81,701.62	\$0.0728	1	1,052,644	\$78,469.13	\$0.0745	1	990,465	\$79,362.02	\$0.0801
Total Industrial	2	1,853,396	\$142,015.95	\$0.0766		2,316,794	\$170,980.64	\$0.0738	2	2,088,337	\$158,524.35	\$0.0759	2	2,021,177	\$165,219.60	\$0.0817
	2	1,000,090	\$142,010.95	\$U.U/06	2	2,310,794	φ170,900.64	φ U.U / 38	2	2,000,037	φ100,024.35	φ υ. υ/39	2	2,021,177	¢103,219.60	φ υ.υο Ι/
Interdepartmental (In - No Dmd) ED1	8	79,167	\$7,560.57	\$0.0955	0	65,565	\$6,459.45	\$0.0985	8	51,501	\$5,211.49	\$0.1012	8	42,349	\$4,637.84	\$0.1095
Interdepartmental (In - No Dmd) EDT Interdepartmental (Out - w/Dmd) ED20	2	240	\$7,560.57 \$50.36	\$0.0955	2	192	\$6,459.45	\$0.0985	8	235	\$5,211.49	\$0.1012	8		\$4,637.84 \$67.89	\$0.1095
Interdepartmental (In - w/Dmd) ED2	27	77,462	\$8,762.54	\$0.1131	26		\$8,300.04	\$0.1177	26		\$6,096.14	\$0.1198	26		\$5,247.09	\$0.1263
Interdepartmental (3Ph-In - w/Dmd) ED3	11	257,347	\$25,478.65	\$0.0990	11	306,526	\$30,656.81	\$0.1000	11	251,871	\$26,080.07	\$0.1035	11		\$25,894.91	\$0.1098
Interdepartmental (Street Lights) EDSL	7	62,879	\$5,849.08	\$0.0930	7	62,879	\$5,849.08	\$0.0930	7	62,879	\$5,850.15	\$0.0930	7	62,879	\$5,849.08	\$0.0930
Interdepartmental (Traffic Signals) EDTS	15		\$202.38	\$0.0925	11		\$177.17	\$0.0925	. 9		\$163.74		9		\$153.77	
Generators (JV2 Power Cost Only) GJV2	1	23,269	\$819.53	\$0.0352	1	21,905	\$781.57	\$0.0357	1	18,065	-\$265.01			19,031	\$533.06	
Generators (JV5 Power Cost Only) GJV5	1	15,064	\$530.55	\$0.0352	1	16,067	\$573.27	\$0.0357	1	13,192	-\$193.53	-\$0.0147	1	13,635	\$381.92	\$0.0280
Total Interdepartmental	72	517,617	\$49,253.66	\$0.0952	67	545,590	\$52,843.32	\$0.0969	65	450,418	\$42,993.93	\$0.0955	65	417,360	\$42,765.56	\$0.1025
SUB-TOTAL CONSUMPTION & DEMAND	5,877	12,817,784	\$1,205,761.53	\$0.0941	5,879		\$1,329,498.57	\$0.0952	5,871	12,431,386	\$1,211,374.39	\$0.0974	5,855		\$1,215,277.73	\$0.1026
	-															
													l			
						1 400	\$191.76	\$0.1311	16	0	\$13.74	\$0.0000	16	0	\$13.74	\$0.0000
Street Lights (In) SLO	15	0	\$13.59	\$0.0000	16											
Street Lights (In) SLO Street Lights (Out) SLOC	2		\$0.77	\$0.0000 \$0.0000	2		\$0.77	\$0.0000	2	0		\$0.0000	2	0	\$0.77	\$0.0000
Street Lights (Out) SLOC	2		\$0.77	\$0.0000	2	0	\$0.77	\$0.0000			\$0.76	\$0.0000	2	0	\$0.77	
	2 17	0	\$0.77 \$14.36		2 18	0 1,463	\$0.77 \$192.53	\$0.0000	18		\$0.76 	\$0.0000	2 18	0 0	\$0.77 \$14.51	\$0.0000 \$0.0000
Street Lights (Out) SLOC	2 17 	0	\$0.77 \$14.36	\$0.0000 \$0.0000	2 18	0 1,463 	\$0.77 \$192.53	\$0.0000 \$0.1316	18	0	\$0.76 	\$0.0000 \$0.0000	2 18 	0 0	\$0.77 \$14.51 	\$0.0000
Street Lights (Out) SLOC	2 17 5,894	0	\$0.77 \$14.36	\$0.0000	2 18 5,897	0 1,463	\$0.77 \$192.53	\$0.0000 \$0.1316	 18 5,889		\$0.76 	\$0.0000 \$0.0000	2 18 5,873	0 0	\$0.77 \$14.51	\$0.0000

BILLING DETERMINANTS

Schedule 9 Residential (Dom-In) Residential (Dom-In) w/Ecosmart																			
Class and/or I Schedule Q Residential (Dom-In) w/Ecosmart																			
Schedule (Residential (Dom-In) Residential (Dom-In) w/Ecosmart	Det-																		
Schedule (Residential (Dom-In) Residential (Dom-In) w/Ecosmart	Det-	Jun-16				Jul-16				Aug-16				Sep-16				Oct-16	
Residential (Dom-In) Residential (Dom-In) w/Ecosmart	Rate	# of	Jun-16	Jun-16	Cost / kWH	# of	Jul-16	Jul-16	Cost / kWH	# of	Aug-16	Aug-16	Cost / kWH	# of	Sep-16	Sep-16	Cost / kWH	# of	Oct-16
Residential (Dom-In) w/Ecosmart	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)
	E1	3,339	1,674,098	\$190,965.01	\$0.1141	3,340	2,133,169	\$248,418.37	\$0.1165	3,327	2,832,020	\$332,693.75	\$0.1175	3,339	3,439,128	\$405,561.66	\$0.1179	3,324	3,116,816
	E1E	9	3,414	\$402.55	\$0.1179	9	4,890	\$577.51	\$0.1181	9	7,000	\$827.07	\$0.1182	9	7,961	\$946.73	\$0.1189	9	6,928
Residential (Dom-In - All Electric)	E2	611	379,613	\$42,421.37	\$0.1117	613	381,668	\$44,540.19	\$0.1167	610	458,361	\$54,279.87	\$0.1184	608	519,149	\$61,850.34	\$0.1191	608	469,940
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	1	534	\$60.52	\$0.1133	1	692	\$80.09	\$0.1157	1	796	\$93.91	\$0.1180	1	1,026	\$121.06	\$0.1180	1	844
Total Residential (Domestic)		3,960	2,057,659	\$233,849.45	\$0.1136	3,963	2,520,419	\$293,616.16	\$0.1165	3,947	3,298,177	\$387,894.60	\$0.1176	3,957	3,967,264	\$468,479.79	\$0.1181	3,942	3,594,528
	ER1	755		\$70,250.79	\$0.1197	757	712,526	\$87,201.53	\$0.1224	760	863,493	\$107,008.31	\$0.1239	760	984,416	\$122,587.50	\$0.1245	759	884,230
	ER1E	4	1,833	\$235.87	\$0.1287	4	2,470	\$316.19	\$0.1280	4	3,000	\$385.56	\$0.1285	4	3,422	\$440.00	\$0.1286	4	3,185
	ER2	384		\$41,847.24	\$0.1176	383	380,642	\$46,371.53	\$0.1218	383	443,608	\$54,903.94	\$0.1238	382	509,155	\$63,286.00	\$0.1243	382	
	ER2E	2	1,701	\$201.66	\$0.1186	2	1,606	\$199.48	\$0.1242	2	1,669	\$212.18	\$0.1271	2	2,157	\$272.02	\$0.1261	2	1,724
	ER3	16		\$3,054.38	\$0.1125	16	19,858	\$2,377.56	\$0.1197	16	16,942	\$2,109.31	\$0.1245	16	20,579	\$2,560.83	\$0.1244	16	
Residential (Rural-Out - All Electric w/Dm	ER4	9	7,392	\$879.39	\$0.1190	9	7,401	\$917.12	\$0.1239	9	8,540	\$1,073.07	\$0.1257	9	9,466	\$1,195.61	\$0.1263	9	9,576
					AA 440 7			****					A0 1000						
Total Residential (Rural)		1,170	980,953	\$116,469.33	\$0.1187	1,171	1,124,503	\$137,383.41	\$0.1222	1,174	1,337,252	\$165,692.37	\$0.1239	1,173	1,529,195	\$190,341.96	\$0.1245	1,172	1,384,991
Operation of the back in the Day in	500		10.115	AF 0 (0)	AC 111		17.005	* C 700 CT	AC 115		10.070	AT 005 15	AA 4 4 5 7		10.055	AT 005 15	60 110		
	EC2	75		\$5,948.45	\$0.1412	72	47,338	\$6,768.08	\$0.1430	75	48,276	\$7,085.12	\$0.1468	75	49,252	\$7,295.40	\$0.1481	74	- 1-
Commercial (1 Ph-Out - No Dmd) E	EC2O	43	6,225	\$1,262.95	\$0.2029	46	6,906	\$1,415.05	\$0.2049	46	7,669	\$1,536.40	\$0.2003	47	7,405	\$1,527.13	\$0.2062	45	8,002
Total Commercial (1 Ph) No Ded		110	40.065	¢7 011 40	\$0.1401	110	EA 044	ee 402 40	60 4500	101	EE OAC	¢0 601 50	¢0.15/1	100	EC CF7	¢0 000 50	60 4557		60.000
Total Commercial (1 Ph) No Dmd		118	48,365	\$7,211.40	\$0.1491	118	54,244	\$8,183.13	\$0.1509	121	55,945	\$8,621.52	\$0.1541	122	56,657	\$8,822.53	\$0.1557	119	60,029
																			L
	EC1	257	339,056	\$39,544.56	\$0.1166	257	297,012	\$43,203.06	\$0.1455	258	352,786	\$50,743.54	\$0.1438	258	402,789	\$57,034.99	\$0.1416	258	460,502
Commercial (1 Ph-Out - w/Demand) E	EC10	24	29,990	\$4,043.76	\$0.1348	26	38,595	\$5,289.71	\$0.1371	25	30,982	\$4,512.62	\$0.1457	25	37,237	\$5,295.75	\$0.1422	25	38,742
T 1 1 0 1 1 (1 D1) (D 1					00 1101			A 40 400 77								****			
Total Commercial (1 Ph) w/Demand		281	369,046	\$43,588.32	\$0.1181	283	335,607	\$48,492.77	\$0.1445	283	383,768	\$55,256.16	\$0.1440	283	440,026	\$62,330.74	\$0.1417	283	499,244
																			L
Commercial (3 Ph-Out - No Dmd) E	EC4O	2	160	\$55.18	\$0.3449	2	40	\$41.00	\$1.0250	2	80	\$46.26	\$0.5783	2	40	\$41.20	\$1.0300	2	40
Total Commercial (3 Ph) No Dmd		2	160	\$55.18	\$0.3449	2	40	\$41.00	\$1.0250	2	80	\$46.26	\$0.5783	2	40	\$41.20	\$1.0300	2	40
																			ļ ļ
	EC3	202		\$154,525.82	\$0.1206	201	1,379,117	\$172,587.98	\$0.1251	203	1,595,241	\$203,673.47	\$0.1277	202	1,740,671	\$223,495.26	\$0.1284	202	
	EC3O	39		\$35,062.05	\$0.1225	39	283,681	\$36,648.60	\$0.1292	39	317,778	\$41,164.85	\$0.1295	40	412,439	\$52,282.08	\$0.1268	38	
	E3SO	3	127,640	\$14,187.89	\$0.1112	3	120,080	\$14,126.22	\$0.1176	3	139,680	\$16,763.38	\$0.1200	3	145,680	\$17,795.85	\$0.1222	3	142,840
Commercial (3 Ph-In - w/Demand, No Ta	EC3T	1	2,040	\$245.05	\$0.1201	1	1,880	\$235.92	\$0.1255	1	3,120	\$442.73	\$0.1419	1	4,800	\$637.44	\$0.1328	1	6,240
T 1 10 11 (0 D1) (D 1					AA 4000			****	00 1050				A0 1075			****			
Total Commercial (3 Ph) w/Demand		245	1,696,947	\$204,020.81	\$0.1202	244	1,784,758	\$223,598.72	\$0.1253	246	2,055,819	\$262,044.43	\$0.1275	246	2,303,590	\$294,210.63	\$0.1277	244	2,479,297
Laws Daway (In (Dead & Dat)	EL1	01	0.477.050	\$236,532.65	\$0.0955	04	0.014.040	\$004 004 F0	\$0,1003	04	0.704.000	\$004 700 0F	\$0.1042	01	0.007.004	#011 001 01	\$0.1024	01	0.005.000
	EL1 EL2	21	2,477,658 919,793	\$83,363.79	\$0.0955	21	2,611,643 975,151	\$261,934.52 \$92.615.26	\$0.1003	21	2,731,809 921,926	\$284,732.35 \$91,984.54	\$0.1042	21	3,037,231 1,112,508	\$311,034.61 \$107,637.55	\$0.1024	21	2,685,366
	EL2 EL20	د 1			\$0.0908	3	405,600		\$0.0950	3	398,400		\$0.0998	3	1 1 1 2 2 2			3	1 1
	EL20	2	366,000 58,685	\$34,899.72 \$7,385.30	\$0.0954	2	74,535	\$40,258.99 \$14,994.13	\$0.0993	2	75,019	\$40,709.41 \$15,989.77	\$0.1022	1	451,200 77,094	\$45,502.92 \$18,053.44	\$0.1008 \$0.2342	1	474,000 75,674
Large Power (In - w/Dmd & Rct, w/SbCr)	ELS	2	00,00	\$7,305.30	\$U.1256	2	74,000	\$14,994.13	Φ 0.2012	2	75,019	\$10,969.77	\$U.2131	2	77,094	\$10,055.44	\$U.2342	2	/5,0/4
Total Large Power		27	3,822,136	\$362,181.46	\$0.0948	27	4,066,929	\$409,802.90	\$0.1008	27	4,127,154	\$433,416.07	\$0.1050	27	4,678,033	\$482,228.52	\$0.1031	27	4,241,282
Total Large Power		21	3,022,130	\$302,101.40	\$0.0948	21	4,000,929	\$409,802.90	\$0.1008	21	4,127,134	\$433,410.07	\$0.1050	21	4,070,033	\$402,220. 3 2	\$0.1031	21	4,241,202
Industrial (In - w/Dmd & Rct, w/SbCr)	El1	4	990,474	\$82,403.94	\$0.0832	1	989,828	\$87,858.45	\$0.0888	4	1,050,981	\$94,370.91	\$0.0898	1	1,180,028	\$105,636.89	\$0.0895	1	1,140,292
	EI2	-	942.832	\$77,160.17	\$0.0832		1,001,560	\$85,009.44	\$0.0889	4	989,846	\$88,326.21	\$0.0898	1	1,067,043	\$94,185.61	\$0.0893	1	1,004,383
industrial (in - w/Dind & rict, No/Sbor)			342,032	ψ/7,100.17	ψ0.0010		1,001,000	ψ00,000.44	ψ0.0043		303,040	Ψ00,020.21	ψ0.003Z		1,007,045	φ 3 4 ,105.01	ψ0.0003		1,004,000
Total Industrial		2	1,933,306	\$159,564.11	\$0.0825	2	1,991,388	\$172,867.89	\$0.0868	2	2,040,827	\$182.697.12	\$0.0895	2	2,247,071	\$199,822.50	\$0.0889	2	2,144,675
		-	1,000,000	¢105,504.11	\$0.0020	-	1,001,000	¢112,001.00	<i>\$0.0000</i>	-	2,040,027	\$102,007.12	<i>40.0000</i>	-	2,247,071	\$100,022.00	\$0.0000	-	2,144,070
Interdepartmental (In - No Dmd)	ED1	7	30,257	\$3,583.85	\$0.1184	7	37,530	\$4,545.42	\$0.1211	7	39,363	\$4,882.68	\$0.1240	8	91,948	\$10,692.83	\$0.1163	8	42,268
	ED2O	2		\$68.39	\$0.1853	2		\$102.05	\$0.1635	2	861	\$134.56	\$0.1563	2	924	\$144.21	\$0.1561	2	
	ED2	26		\$3,357.54	\$0.1322	30	23,144	\$3,251.87	\$0.1405	31	24,898	\$3,566.86	\$0.1433	27	26,097	\$3,716.02	\$0.1424	27	
	ED3	11		\$20,851.55	\$0.1114	11	167,921	\$19,556.26	\$0.1165	11	174,247	\$21,123.86	\$0.1212	11	165,579	\$20,410.43	\$0.1233	11	
	EDSL	7	62,879	\$5,849.08	\$0.0930	7	62.879	\$5,850.15	\$0.0930	7	62.879	\$5,849.08	\$0.0930	7	62.879	\$5.849.08	\$0.0930	7	62,879
	EDTS	. 9	1,557	\$143.97	\$0.0925		1,702	\$157.37	\$0.0925	9	1,649	\$152.46	\$0.0925		1,582	\$146.25	\$0.0924	. 9	1,783
	GJV2	1	17,254	\$308.85	\$0.0179	1	16,509	\$227.66	\$0.0138	1	14,549	\$61.40		1	13,740	\$151.14		1	16,181
	GJV5	1	10,693	\$191.40	\$0.0179	1	12,432	\$171.44	\$0.0138	1	11,829	\$49.92	\$0.0042	1	11,827	\$130.10	\$0.0110	1	12,410
	-																		
Total Interdepartmental		64	335,606	\$34,354.63	\$0.1024	68	322,741	\$33,862.22	\$0.1049	69	330,275	\$35,820.82	\$0.1085	66	374,576	\$41,240.06	\$0.1101	66	376,439
SUB-TOTAL CONSUMPTION & DEMAND		5,869	11,244,178	\$1,161,294.69	\$0.1033	5,878	12,200,629	\$1,327,848.20	\$0.1088	5,871	13,629,297	\$1,531,489.35	\$0.1124	5,878	15,596,452	\$1,747,517.93	\$0.1120	5,857	14,780,525
										=				=					
Street Lights (In)	SLO	16	0	\$13.74	\$0.0000	16	0	\$13.73	\$0.0000	16	0	\$13.73	\$0.0000	16	0	\$12.99	\$0.0000	16	0
	SLOO	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000	2	0
Total Street Light Only		18	0	\$14.51	\$0.0000	18	0	\$14.50	\$0.0000	18	0	\$14.50	\$0.0000	18	0	\$13.76	\$0.0000	18	0
TOTAL CONSUMPTION & DEMAND		5,887	11,244,178	\$1,161,309.20	\$0.1033	5,896	12,200,629	\$1,327,862.70	\$0.1088	5,889	13,629,297	\$1,531,503.85	\$0.1124	5,896	15,596,452	\$1,747,531.69	\$0.1120	5,875	14,780,525

BILLING SUMMARY AN	ID CO											
DECEMBER, 2016 2016 - DECEMBER BILLING WITH NOV	EMBER 2	(
	_			Nov-16				TOTAL	TOTAL	Avg.Cost	Avg.Num.	Avg.Per.%
Class and/or	Rate	Oct-16	Cost / kWH	# of	Nov-16	Nov-16	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) Residential (Dom-In) w/Ecosmart	E1	\$358,640.04	\$0.1151	3,318 9	2,147,731	\$242,932.58		27,548,004	\$3,056,887.10		3,337	56.6585%
Residential (Dom-In) w/Ecosman	E1E E2	\$806.87 \$54,713.23	\$0.1165 \$0.1164	9 610	4,777 350,406	\$550.03 \$40,046.25	\$0.1151 \$0.1143	59,427 5,915,375	\$6,764.24 \$638,361.89		9 609	0.1557% 10.3327%
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	\$97.71	\$0.1158	1	609	\$69.24		7,847	\$875.96		1	0.0170%
nes.(Boin in Vir Elec.) w/Ecosinar	LEL					φ00.24	φ0.1107		φ070.00	φ0.1110		0.017070
Total Residential (Domestic)		\$414,257.85	\$0.1152	3,938	2,503,523	\$283,598.10	\$0.1133	33,530,653	\$3,702,889.19	\$0.1104	3,955	67.1638%
Residential (Rural-Out)	ER1	\$107,817.96	\$0.1219	761	655,236	\$78,722.02	\$0.1201	9,245,507	\$1,072,680.24	\$0.1160	758	12.8628%
Residential (Rural-Out) w/Ecosmart	ER1E	\$401.26	\$0.1260	4	2,236	\$282.84		33,366	\$4,013.94		4	0.0679%
Residential (Rural-Out - All Electric)	ER2	\$56,756.10	\$0.1215	381	359,421	\$42,825.95	\$0.1192	5,408,583	\$617,137.79	\$0.1141	383	6.5078%
Res. (Rural-Out - All Electric) w/Ecosmar	ER2E	\$215.45	\$0.1250	2	1,322	\$163.49	\$0.1237	24,233	\$2,783.73	\$0.1149	2	0.0340%
Residential (Rural-Out w/Dmd)	ER3	\$2,341.81	\$0.1216	16	17,439	\$2,051.35	\$0.1176	379,902	\$40,980.54	\$0.1079	16	0.2703%
Residential (Rural-Out - All Electric w/Dm	ER4	\$1,175.26	\$0.1227	9	8,288	\$989.52	\$0.1194	132,360	\$14,820.62	\$0.1120	9	0.1528%
Total Residential (Rural)		\$168,707.84	\$0.1218	1,173	1,043,942	\$125,035.17	\$0.1198	15,223,951	\$1,752,416.86	\$0.1151	1,172	19.8956%
Commercial (1 Ph-In - No Dmd)	EC2	\$7,461.56	\$0.1434	74	46,563	\$6,545.95	\$0.1406	579,315	\$79,547.02	\$0.1373	74	1.2622%
Commercial (1 Ph-Out - No Dmd)	EC2O	\$1,552.94	\$0.1941	45	7,372	\$1,437.56	\$0.1950	94,236	\$17,528.02	\$0.1860	44	0.7500%
Total Commercial (1 Ph) No Dmd		\$9,014.50	\$0.1502	119	53,935	\$7,983.51	\$0.1480	673,551	\$97,075.04	\$0.1441	119	2.0122%
Commercial (1 Ph-In - w/Demand)	EC1	\$62,668.02	\$0.1361	258	335,821	\$47,217.20	\$0.1406	4,040,783	\$540,427.78	\$0.1337	257	4.3555%
Commercial (1 Ph-Out - w/Demand)	EC1O	\$5,266.86	\$0.1359	25	30,652	\$4,264.42	\$0.1391	409,184	\$54,133.05		25	0.4160%
Total Commercial (1 Ph) w/Demand		\$67,934.88	\$0.1361	283	366,473	\$51,481.62	\$0.1405	4,449,967	\$594,560.83	\$0.1336	281	4.7715%
Commercial (3 Ph-Out - No Dmd)	EC4O	\$41.06	\$1.0265	2	40	\$40.87	\$1.0218	18,160	\$2,474.00	\$0.1362	2	0.0340%
Total Commercial (3 Ph) No Dmd		\$41.06	\$1.0265	2	40	\$40.87	\$1.0218	18,160	\$2,474.00	\$0.1362	2	0.0340%
Commercial (3 Ph-In - w/Demand)	EC3	\$238,552.14	\$0.1246	203	1,651,057	\$199,730.82	\$0.1210	18,044,080	\$2,143,527.71	\$0.1188	203	3.4499%
Commercial (3 Ph-Out - w/Demand)	EC3O	\$51,509.04	\$0.1240	38	412,387	\$49,235.84		4,527,807	\$532,256.41		203	0.6608%
Commercial (3 Ph-Out - w/Dmd.&Sub-St.	E3SO	\$16,789.77	\$0.1233	3	133,720	\$15,002.98		1,635,240	\$181,032.59		33	0.0509%
Commercial (3 Ph-In - w/Demand, No Ta		\$771.43	\$0.1236	1	5,680	\$686.81		36,200	\$4,449.12		1	0.0170%
Total Commercial (3 Ph) w/Demand		\$307,622.38	\$0.1241	245	2,202,844	\$264,656.45	\$0.1201	24,243,327	\$2,861,265.83	\$0.1180	246	4.1786%
Large Power (In - w/Dmd & Rct)	EL1	\$284,900.17	\$0.1061	20	2,303,124	\$218,711.68	\$0.0950	30,656,371	\$2,898,114.85	\$0.0945	21	0.3552%
Large Power (In - w/Dmd & Rct, w/SbCr)	EL1 EL2	\$96,026.30	\$0.0954	3	966,087	\$86,575.44		11,767,577	\$1,029,121.42		21	0.0509%
Large Power (Out - w/Dmd & Rct, w/SbCr)		\$45,851.97	\$0.0954	1	475,200	\$44,870.95	\$0.0890	4,476,000	\$420,303.97		3	0.0309%
Large Power (In - w/Dmd & Rct, w/SbCr)	EL20	\$13,439.88	\$0.0907	2	475,200	\$8,059.22		4,478,000	\$124,530.46		2	0.0340%
	LLJ	\$440,218.32		26		\$358,217.29		47,794,208	\$4,472,070.70		27	0.4571%
Total Large Power					3,789,606						21	
Industrial (In - w/Dmd & Rct, w/SbCr)	El1	\$99,897.30	\$0.0876	1	1,120,127	\$93,821.52		13,052,559	\$1,064,359.69		1	0.0170%
Industrial (In - w/Dmd & Rct, No/SbCr)	El2	\$87,514.48	\$0.0871	1	866,459	\$74,763.55	\$0.0863	12,085,673	\$971,878.92		1	0.0170%
Total Industrial		\$187,411.78	\$0.0874	2	1,986,586	\$168,585.07	\$0.0849		\$2,036,238.61		2	0.0340%
Interdepartmental (In No Dord)	ED1	¢E 455 07	¢0 1000		00 500	\$3,903.77	¢0.1000	610.115	¢66 757 00	¢0 1001	8	0 10100/
Interdepartmental (In - No Dmd) Interdepartmental (Out - w/Dmd)	ED1 ED2O	\$5,155.27 \$123.43	\$0.1220 \$0.1572	8	32,523 396	\$3,903.77 \$72.33		610,115 5,559	\$66,757.08 \$970.70		8	0.1316%
Interdepartmental (In - w/Dmd)	ED20	\$3,515.77	\$0.1372	27	21,392	\$72.33		472,607	\$58,947.42		27	0.4656%
Interdepartmental (3Ph-In - w/Dmd)	ED2 ED3	\$25,016.23	\$0.1394	11	21,392	\$23,420.90		2,589,147	\$281,033.70		11	0.4656%
Interdepartmental (Street Lights)	EDSL	\$5,851.14	\$0.0931	7	62,879	\$5,849.08		754,548	\$70,207.45		7	0.1189%
Interdepartmental (Traffic Signals)	EDTS	\$164.85		9	1,716	\$158.67		21,339	\$1,972.98		, 11	0.1811%
Generators (JV2 Power Cost Only)	GJV2	\$1,059.37	\$0.0655	1	17,504	\$1,768.25		214,877	\$6,784.85			0.0170%
Generators (JV5 Power Cost Only)	GJV5	\$812.48	\$0.0655	1	12,279	\$1,240.42		154,929	\$4,814.27		1	0.0170%
Total Interdepartmental		\$41,698.54	\$0.1108	66	356,179	\$39,341.86	\$0.1105	4,823,121	\$491,488.45	\$0.1019		1.1518%
SUB-TOTAL CONSUMPTION & DEMAN	ID	\$1,636,907.15	\$0.1107	5,854	12,303,128	\$1,298,939.94	\$0.1056		\$16,010,479.51	\$0.1027	5,871	99.6986%
Street Lights (In)	SLO	¢10.74	\$0.0000	10	0	¢10.70	\$0,0000	1.400	¢044.07	\$0.2335	16	0.06740/
Street Lights (In) Street Lights (Out)	SLOO	\$13.74 \$0.77	\$0.0000	16	0	\$13.73 \$1.92	\$0.0000 \$0.0000	1,463	\$341.67 \$10.38		16	0.2674%
Oureer Lights (Out)	3100		φ0.0000	2		\$1.92 	φυ.0000		\$10.30	φυ.υυυυ	2	0.0340%
Total Street Light Only		\$14.51	\$0.0000	18	0	\$15.65	\$0.0000	1,463	\$352.05		18	0.3014%
TOTAL CONSUMPTION & DEMAND		\$1,636,921.66	\$0.1107	5,872	12,303,128	\$1,298,955.59	\$0.1056	155,896,633	\$16,010,831.56	\$0.1027	5,889	100.0000%



2016 DECEMBER - ELECTRIC	PSCAF -		REMERARIA	MANSJOSPE	QBnPt5RHQD	on	th and Pri	or Year			
Rate Comparisons to Prior Month a											
			Current	Prior Month	Prior Year				Current	Prior Month	Prior Year
	Service	Service	December	November	December		Service	Service	December	November	December
Customer Type	<u>Usage</u>	<u>Units</u>	2016 Rate	2016 Rate	2015 Rate		<u>Usage</u>	<u>Units</u>	2016 Rate	2016 Rate	2015 Rate
<u> </u>											
<u>Customer Type -></u>		RESID	ENTIAL USE	R - (w/Gas He	eat)			RESID	ENTIAL USE	ER - (All Electi	ric)
Customer Charge			\$6.00	\$6.00	\$6.00				\$6.00	\$6.00	\$6.00
Distribution Energy Charge			\$20.93	\$20.93	\$20.93				\$33.39	\$33.39	\$33.39
Distribution Demand Charge											
Power Supply Energy Charge	978	kWh	\$71.20	\$71.20	\$71.20		1,976	kWh	\$143.85	\$143.85	\$143.85
Power Supply Demand Charge											
PSCAF - Monthly Factor	978	kWh	\$4.12	\$4.88	-\$7.41		1,976	kWh	\$8.32	\$9.86	-\$14.98
kWH Tax- Level 1	978	kWh	\$4.55	\$4.55	\$4.55		1,976	kWh	\$9.19	\$9.19	\$9.19
kWH Tax- Level 2				-	-	11	-				
kWH Tax- Level 3						11					
		-	·			T		-			
Total Electric			\$106.80	\$107.56	\$95.27				\$200.75	\$202.29	\$177.45
				7	7				, <u>,</u> <u>,</u> <u>,</u> <u>,</u>	,	r -
Water	6	CCF	\$42.27	\$41.37	\$39.57		11	CCF	\$68.02	\$66.37	\$63.07
Sewer (w/Stm.Sew. & Lat.)	6	CCF	\$70.89	\$64.63	\$54.58		11	CCF	\$98.89	\$90.08	\$76.78
Storm Water (Rate/ERU)			\$9.50	\$9.50	\$9.50				\$9.50	\$9.50	\$9.50
Refuse (Rate/Service)			\$18.00	\$18.00	\$18.00				\$18.00	\$18.00	\$18.00
		-						-			
Sub-Other Services			\$140.66	\$133.50	\$121.65				\$194.41	\$183.95	\$167.35
		-						-			
Total Billing - All Services			\$247.46	\$241.06	\$216.92				\$395.16	\$386.24	\$344.80
Verification Totals->			\$247.46	\$241.06	\$216.92				\$395.16	\$386.24	\$344.80
				<u>Cr.Mo to Pr.Mo</u>	<u>Cr.Yr to Pr.Yr</u>					Cr.Mo to Pr.Mo	Cr.Yr to Pr.Yr
Dollar Chg.to Prior Periods				\$6.40	\$30.54					\$8.92	\$50.36
% Inc/Dec(-) to Prior Periods				2.65%	14.08%					2.31%	14.61%
						= = T T	=====		======	=========	
Cost/kWH - Electric	978	kWh	\$0.10920	\$0.10998	\$0.09741		1,976	kWh	\$0.10159	\$0.10237	\$0.08980
% Inc/Dec(-) to Prior Periods			, , , , , , , , , ,	-0.71%	12.10%		,			-0.76%	13.13%
						T					
Cost/CCF - Water	6	CCF	\$7.04500	\$6.89500	\$6.59500	Ħ	11	CCF	\$6.18364	\$6.03364	\$5.73364
Cost/GALLONS - Water	4,488	GAL	\$0.00942	\$0.00922	\$0.00882	Ħ	8,229	GAL	\$0.00827	\$0.00807	\$0.00766
% Inc/Dec(-) to Prior Periods	.,		+ 2.000 / E	2.18%	6.82%	Ħ	-,= - -		÷:::000=/	2.49%	7.85%
				2.1070	0.0270	11				2	1.0070
Cost/CCF - Sewer	6	CCF	\$11.81500	\$10.77167	\$9.09667	Ħ	11	CCF	\$8.99000	\$8.18909	\$6.98000
Cost/GALLON - Sewer	4,488	GAL	\$0.01580	\$0.01440	\$0.01216	\mathbf{H}	8,229	GAL	\$0.01202	\$0.01095	\$0.00933
% Inc/Dec(-) to Prior Periods	.,		<i>\$</i> 0.01000	9.69%	29.88%		•,==•		\$0.0120E	9.78%	28.80%
				5.0578	20.00 /0	┦┦				5.7078	20.00 /8
(Listed Accounts Assume SAME USA)	GE for kWF	l and Wate	r (CCE) for All I	Rilling Periods)		+					
(One "1" Unit CCF of Water = "Hundre				Sinning F GHOUS/		++					
		01 = 740	vail0115/								

2016 DECEMBER - ELECTRIC		RATE	E REVIEW CO	MPARISONS - CL	rrent to Prior Mo	onth and Pri	or Year			
Rate Comparisons to Prior Month a										
•			Current	Prior Month	Prior Year			Current	Prior Month	Prior Year
	Service	Service	December	November	December	Service	Service	December	November	December
Customer Type	Usage	Units	2016 Rate	2016 Rate	2015 Rate	Usage	Units	2016 Rate	2016 Rate	2015 Rate
<u></u>	<u>congo</u>	<u></u>								
Customer Type ->	CC	OMMERC	IAL USER -	(3 Phase w/De	emand)	IN	DUSTRI	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	\$2,303.85
Distribution Demand Charge	20.32	kW/Dmd	\$92.86	\$92.86	\$92.86	1510.1	kW/Dmd	\$8,215.30	\$8,215.30	\$8,215.30
Power Supply Energy Charge	7,040		\$623.04	\$623.04	\$623.04	866,108	kWh	\$39,165.42	\$39,165.42	\$39,165.42
Power Supply Demand Charge	,					,		\$15,296.55	\$15,296.55	\$15,296.55
PSCAF - Monthly Factor	7,040	kWh	\$29.64	\$35.13	-\$53.36			\$3,464.00	\$4,105.79	-\$6,236.85
kWH Tax- Level 1	- ,		\$9.66	\$9.66	\$9.66			\$9.66	\$9.66	\$9.66
kWH Tax- Level 2			\$20.80	\$20.80	\$20.80			\$56.24		\$56.24
kWH Tax- Level 3			φ ∠ 0.00	φ=0.00	φ20.00			\$3,087.71	\$3,087.71	\$3,087.71
							_	φ0,007.71	φ0,007.71	φ0,007.71
Total Electric			\$832.02	\$837.51	\$749.02	1		\$71,698.73	\$72,340.52	\$61,997.88
			<i>\$032.02</i>	<i>\$037.31</i>	<i>\$145.02</i>			<i>\$11,090.15</i>	<i>\$12,540.52</i>	\$01,997.00
Water	25	CCF	\$137.32	\$133.57	\$126.07	300	CCF	\$1,555.51	\$1,555.51	\$1,420.51
Sewer (w/Stm.Sew. & Lat.)	25	CCF	\$178.69	\$162.74	\$138.94	300	CCF	\$1,718.69	\$1,562.49	\$1,359.94
Storm Water (Rate/ERU)			\$9.50	\$9.50	\$9.50			\$330.00	\$330.00	\$330.00
Refuse (Rate/Service)			\$5.00	\$5.00	\$5.00			\$5.00	\$5.00	\$5.00
		-					-			
Sub-Other Services			\$330.51	\$310.81	\$279.51			\$3,609.20	\$3,453.00	\$3,115.45
		-					-			
Total Billing - All Services			\$1,162.53	\$1,148.32	\$1,028.53			\$75,307.93	\$75,793.52	\$65,113.33
Verification Totals->			\$1,162.53	\$1,148.32	\$1,028.53			\$75,307.93	\$75,793.52	\$65,113.33
				<u>Cr.Mo to Pr.Mo</u>	Cr.Yr to Pr.Yr				Cr.Mo to Pr.Mo	Cr.Yr to Pr.Yr
Dollar Chg.to Prior Periods				\$14.21	\$134.00				-\$485.59	\$10,194.60
% Inc/Dec(-) to Prior Periods				1.24%	13.03%				-0.64%	15.66%
	=====	=====					=====			
Cost/kWH - Electric	7,040	kWh	\$0.11818	\$0.11896	\$0.10639	866,108	kWh	\$0.08278	\$0.08352	\$0.07158
% Inc/Dec(-) to Prior Periods	.,		\$ 0.11010	-0.66%	11.08%	000,100		\$0.00L/0	-0.89%	15.65%
				0.0070					0.0070	10.00 /0
Cost/CCF - Water	25	CCF	\$5.49280	\$5.34280	\$5.04280	300	CCF	\$5.18503	\$5.18503	\$4.73503
Cost/GALLONS - Water	18,701	GAL	\$0.00734	\$0.00714	\$0.00674	224,415	GAL	\$0.00693	\$0.00693	\$0.00633
% Inc/Dec(-) to Prior Periods			φ0.0070 1	2.81%	8.92%	1,		<i>\\</i> 0.00000	0.00%	9.50%
				2.01/0	0.52 /0				0.00 /0	5.5078
Cost/CCF - Sewer	25	CCF	\$7.14760	\$6.50960	\$5.55760	300	CCF	\$5.72897	\$5.20830	\$4.53313
Cost/GALLON - Sewer	18,701	GAL	\$0.00956	\$0.00870	\$0.00743	224,415	GAL	\$0.00766	\$0.00696	\$0.00606
% Inc/Dec(-) to Prior Periods				9.80%	28.61%	, -			10.00%	26.38%
					/ -					
(Listed Accounts Assume SAME USA										
(One "1" Unit CCF of Water = "Hundre										
						1	1			

Electric Dept. Report November 2016

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

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

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

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

City of Napoleon, Ohio



SUMMARY OF NOVEMBER 2016 OUTAGE/STANDBY CALL-OUTS

November 2, 2016:

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

November 3, 2016:

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

November 3, 2016:

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

November 3, 2016:

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

November 19, 2016:

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

November 19, 2016:

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

November 19, 2016:

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

November 20, 2016:

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

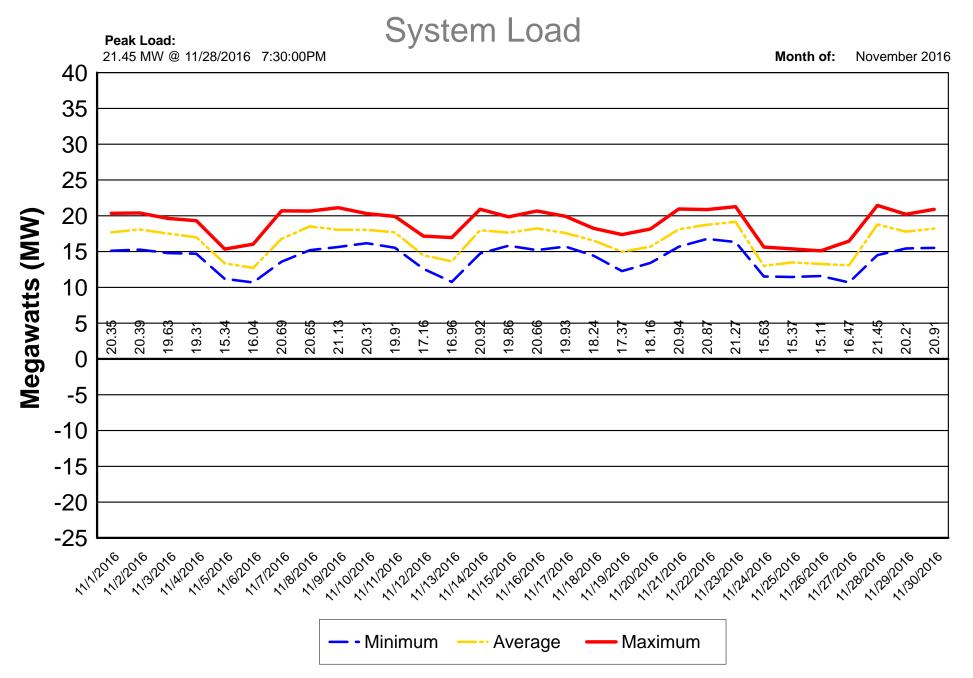
November 22, 2016:

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

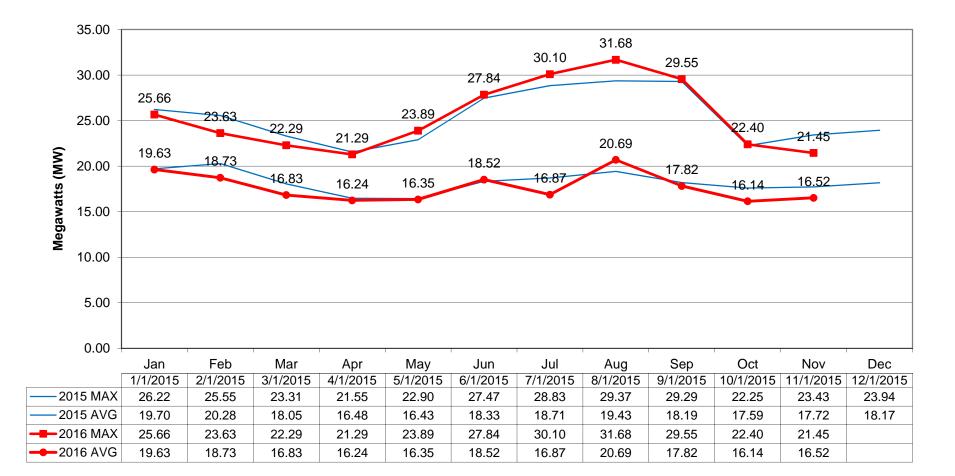
November 23, 2016:

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

Napoleon Power & Light



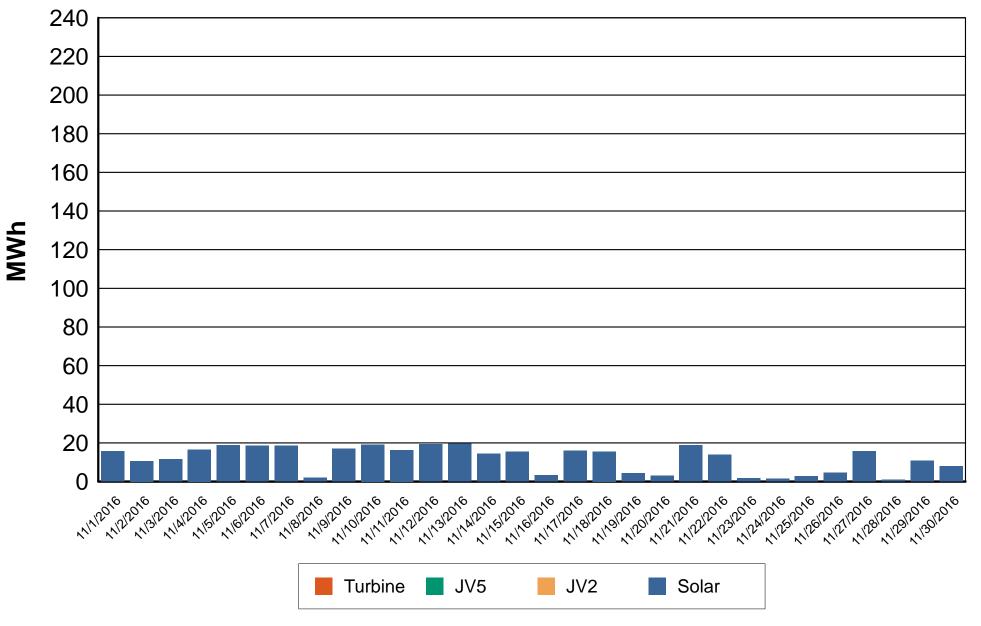
NAPOLEON POWER & LIGHT



Napoleon Power & Light

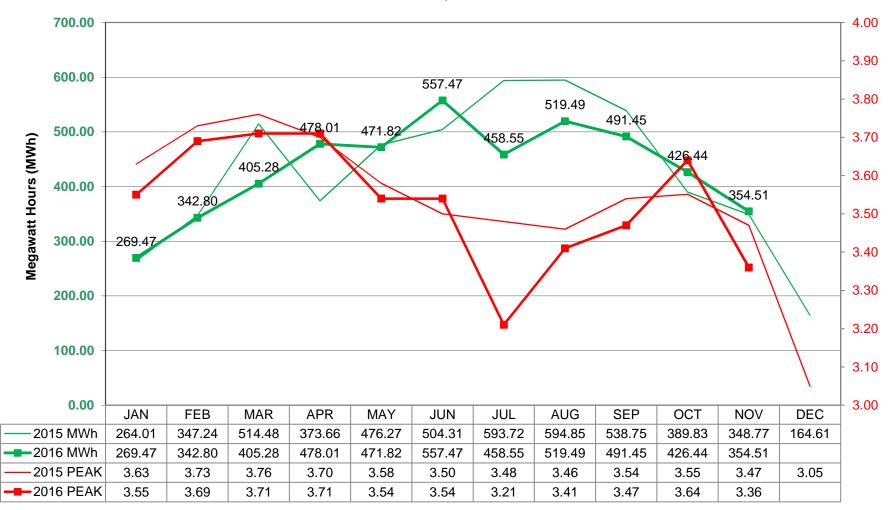
Daily Generation Output

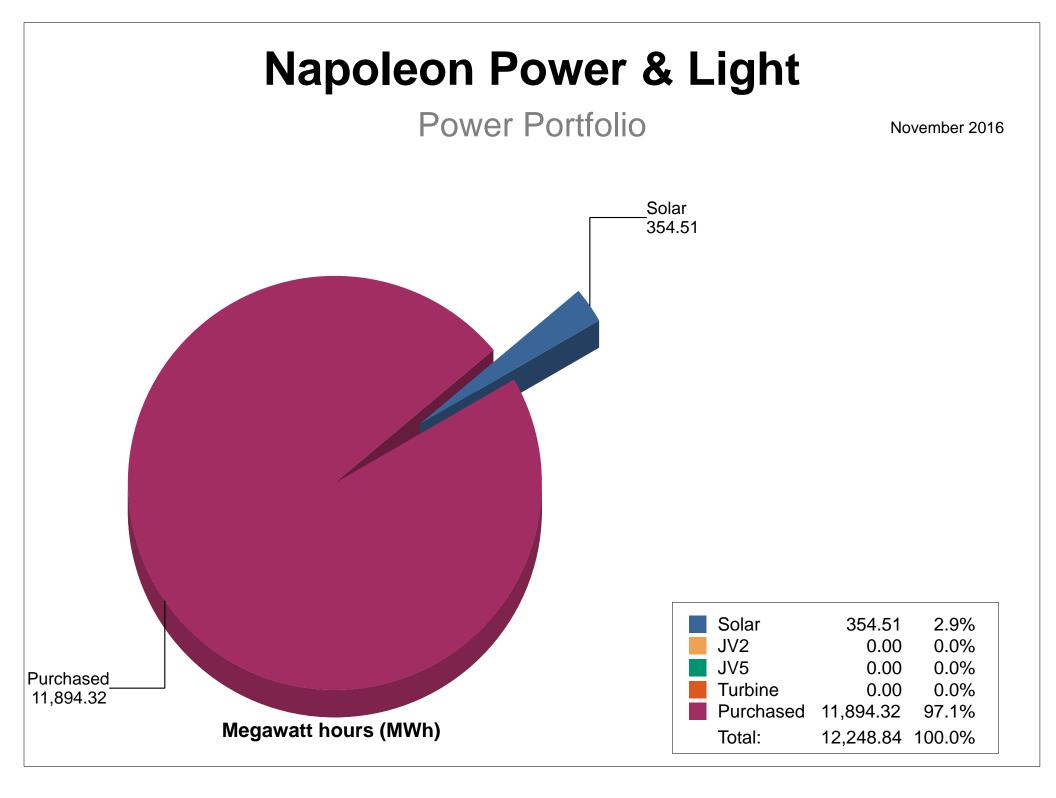
November 2016



NAPOLEON POWER & LIGHT

Solar Field Output Trend



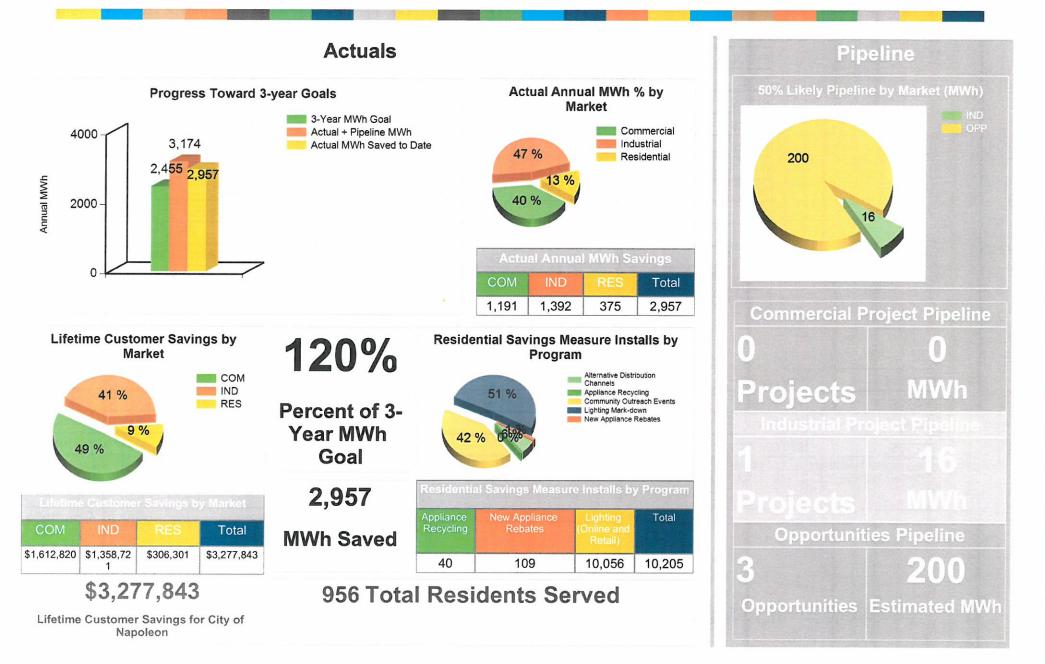




City of Napoleon Program Summary Results Through -

10/31/2016

Month 34 Of 36



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

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

- 1. Approval of the Minutes from November 14, 2016 (In the absence of any objections or corrections, the Minutes shall stand approved)
- Review/Approval of the Power Supply Cost Adjustment Factor for December, 2016: PSCAF three (3) month averaged factor-\$0.00421 JV2: \$0.057840 JV5: \$0.057840
- 3. Electric Department Report.
- 4. Any other matters to come before the Board.
- 5. Adjournment

Gregory J. Heath Finance Director/Clerk of Council

City of Napoleon, Ohio

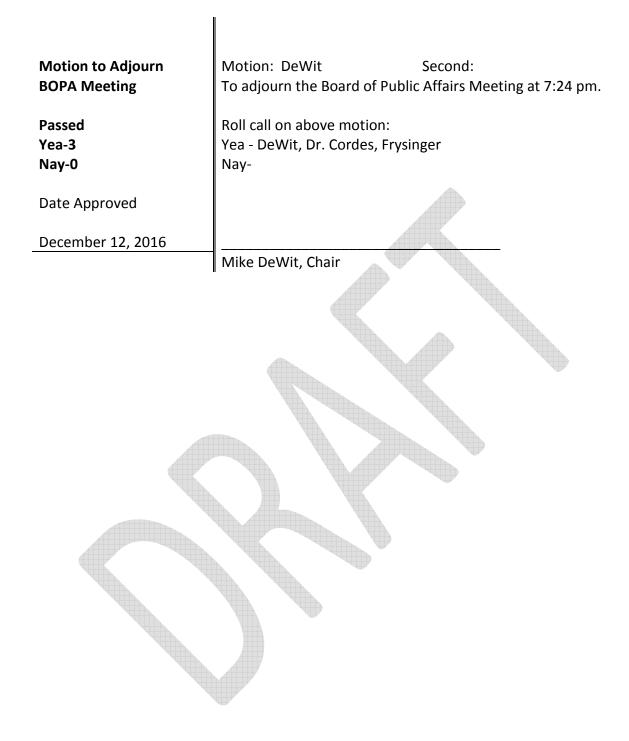
BOARD OF PUBLIC AFFAIRS

Meeting Minutes Monday, November 14, 2016 at 6:30 pm

PRESENT	
Members	Mike DeWit-Chair, Dr. David Cordes, Nick Frysinger
Electric Committee	Travis Sheaffer-Chair Patrick McColley, Dan Baer
City Staff	Greg Heath, Finance Director/Clerk of Council
	Monica Irelan, City Manager
	Dennis Clapp, Electric Distribution Superintendent
Recorder	Roxanne Dietrich
Other	Newsmedia
ABSENT	
Call to Order	Chairman DeWit called the meeting to order at 6:30 pm
Approval of Minutos	Minutes of the October 10, 2016 meeting stand approved as read with
Approval of Minutes from October 10, 2016	no objections or corrections.
110111 October 10, 2010	no objections of corrections.
Review/Approval of the	The Electric Power Supply Cost Adjustment Factor for November, 2016
Power Supply Cost	was presented for review.
Adjustment Factor for	
November, 2016	
Motion to Approve	Motion: Second:
Power Supply Cost	To approve the Power Supply Cost Adjustment Factor for November,
Adjustment Factor	2016 as follows:
-	PSCAF three (3) month averaged factor: \$0.00499
	JV2: \$0.101015
	JV5: \$0.101015
Discussion	None
Passed	Roll call vote on the above motion:
Yea-3	Yea–DeWit, Dr. Cordes, Frysinger
Nay-0	Nay

Electric Department Reports	Dennie Clapp, Electric Distribution Superintendent gave the electric department reports from October 2016, a copy of the detailed reports is attached. Clapp noted that today the line crews finished hooking up the 69 kV loop into the substation. Under the Peak Load paragraph, all the v's in that paragraph are megawatts, not megavolts.
Review of Water Rates Related to Water Plant Upgrade Project	John Courtney from Courtney and Associates reviewed the presentation they put together on the revenue requirements with the analysis being to raise the revenues overall by 34% by the year 2019. It is their recommendation to raise the rates by 10% per year over the next three (3) years compounded annually.
	The Cost of Service Study results indicate that the wholesale class is being subsidized by the other classes. The tail block is substantially lower than the base cost of service and the future rate adjustment should be reflected only in the commodity charge, the capacity charge should stay where it is today. For comparison purposes: <u>on the commodity side for the first 1,000 cu. ft</u> . the current charge is \$5.20, under the proposed rates: in 2017 the cost would be \$5.86, in 2018 it would be \$6.58; and in 2019 the cost would be \$7.38; <u>for the typical residential customer using 500 cu. ft</u> . at the current rate their bill is \$37.07, under the proposed rates: it would increase to \$40.37 in 2017, in 2018 it would be \$43.97 and in 2019 the cost would be \$47.97. In 2019 the typical residential bill ends up at about a 29% increase. Based upon all the increase going into commodity, the sample industrial goes up slightly higher. Those with a 3" meter would see less of an increase and the wholesale bill for a 4" meter would be about a 39% increase. These are based on assumed costs in 2019 for debt service. It is recommended that the water rate cost of service study be updated in 2019 once you have the final cost of the water treatment
	plant improvements to make any adjustments, if needed. Heath asked "to be clear, this rolls in the projected debting of the Water Treatment Plant, these would be the rates by the time we reach 2019".

	Courtney answered it includes the assumed debt service for the wate treatment plant based on the projected numbers.		
	DeWit asked what about the plant, stranded capital, water tower, everything we know of projecting the cost of the water treatment plant.		
	Irelan responded it includes all.		
Motion to Recommend Water Rates be Increased by 10% per Year Compounded Annually for the Next Three (3) Years	Motion: Frysinger Second: Dr. Cordes To recommend that the water rates be increased by 10% per year for the next three (3) years compounded annually.		
Passed Yea-3 Nay-0	Roll call vote on the above motion: Yea- DeWit, Dr. Cordes, Frysinger Nay-		
Review of Sewer Revenue Fund Cost of Service and Rate Review	Heath said a true cost of service study on the sewer side has never been done while I have been here. I asked Courtney and Associates for a proposal to do a full cost of service study on the wastewater side and their proposal is \$20,000.00. I would anticipate we may be able to get this in place by the end of the first quarter in 2017.		
	John Courtney said to do a full cost of service study is a two-step process. First is the revenue requirement analysis, are we getting enough money and second is the cost of service analysis, we take the costs and allocate to each class and compare revenue from each class making sure you are getting the right amount of money from each class. You currently do not have capacity charges in wastewater as you do in water, it would be best to be consistent with the water side.		
Motion to Recommend Hire Courtney and Associates to do a Cost of Service Study on the Sewer Revenue Fund and a Rate Review	Motion: Frysinger Second: Dr. Cordes To recommend to hire Courtney and Associates for professional services to do a Cost of Service Study on the sewer revenue fund and a rate review.		
Passed Yea-3 Nay-0	Roll call vote on the above motion: Yea- DeWit, Dr. Cordes, Frysinger Nay- Page 3 of 4		



Page 4 of 4

City of Napoleon, Ohio

CIVIL SERVICE COMMISSION

SPECIAL MEETING AGENDA

Tuesday, December 13, 2016 at 4:30 pm

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

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

Gregory J. Heath Finance Director/Clerk of Council

City of Napoleon, Ohio

CIVIL SERVICE COMMISSION

Meeting Minutes

Tuesday, November 22, 2016 at 4:30 PM

	Tuesday, November 22, 2016 at 4:30 PM		
PRESENT Members City Staff	Bill Finnegan - Chair, Megan Lytle-Steele Gregory J. Heath, Finance Director		
Recorder	Morgan Druhot, Human Resources Director Roxanne Dietrich		
ABSENT	Dave Creager		
Call To Order	Finnegan called the meeting to order at 4:30 PM.		
Approval Of Minutes	Minutes of the October 25, 2016 meeting stand approved with no objections or corrections.		
Request to Extend Deadline for Applications	Druhot explained she has not received a lot of applications and is asking to extend the deadline for applications until Tuesday, December 13, 2016 at 12 Noon and then have a Civil Service Commission meeting that afternoon to approve the applications.		
	Finnegan asked if that will keep us on schedule. Druhot replied it would. When she puts the ad out this time she will say there are current openings, she did not include that before.		
Motion to Extend Application Deadline to December 13, 2016 at 12 Noon	Motion: Lytle-Steele Second: Finnegan To extend the deadline to receive applications to December 13, 2016 at 12 Noon.		
Passed Yea-2 Nay-0	Roll call on the above motion: Yea-Lytle-Steele, Finnegan Nay-		
Special Meeting to Approve Applications December 13, 2016 at 4:30 pm	Motion: Lytle-Steele Second: Finnegan To set a Special Civil Service Commission meeting for Tuesday, December 13, 2016 at 4:30 pm to approve the applications.		
Passed Yea-2 Nay-0	Roll call on the above motion: Yea-Lytle-Steele, Finnegan Nay-		
Motion to Adjourn	Motion: Lytle-Steele Second: Finnegan To adjourn the meeting at 4:32 pm.		
11/22/2016 Civil Service	Page 1 of 2		

Passed Yea-2 Nay-0	Roll call vote on the above motion: Yea – Lytle-Steele, Finnegan Nay-
Date Approved	
December 13, 2016	Bill Finnegan, Chair





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

MEMORANDUM

TO:	Water/Sewer Committee, City Council, Mayor, City Manager, City Law Director, City Finance Director, Department Supervisors, Newsmedia
FROM:	Gregory J. Heath, Finance Director/Clerk of Council
DATE:	December 9, 2016
RE:	Water/Sewer Committee Meeting Cancellation

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



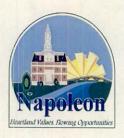


255 West Riverview Avenue • P. O. Box 151 Napoleon, Ohio 43545-0151 Phone (419) 599-1235 Fax (419)-599-8393 www.napoleonohio.com

MEMORANDUM

Municipal Properties/ED Committee, City Council, Mayor, City Manager, City Law Director, City Finance Director, Department Supervisors, Newsmedia
Gregory J. Heath, Finance Director/Clerk of Council
December 9, 2016
Municipal Properties/ED Committee Meeting Cancellation

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



CITY OF NAPOLEON, OHIO

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

December 6, 2016

To All Water Wholesale Customers

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

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

To Whom it May Concern:

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

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

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

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

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

Sincerely,

Abeitt

Gregory J. Heath Finance Director/Clerk of Council

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



HENRY COUNTY LOCAL EMERGENCY PLANNING COMMITTEE (LEPC)

Henry County Office Complex 1853 Oakwood Avenue Napoleon, OH 43545 Nick Nye LEPC Coordinator Phone: 419-599-5827 Fax: 419-592-4016 Lepc@henrycountyohio.com

Chief,

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

Thank You,

Nick Nye Deputy Director Henry County EMA/LEPC



December 2, 2016

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

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

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

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

AVERAGE DAILY RATE COMPARISONS

Energy markets update

By Jerry Willman – assistant vice president of energy marketing

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

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

Board members, staff attend APPA Summit

By David Deal – director of sustainability

Members of the AMP Board of Trustees and AMP staff recently attended the American Public Power Association (APPA) Public Power Forward Summit in Arlington, Virginia. The summit was an event for those in public power to explore the important policy, operational



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

and communications issues defining the future of the industry. AMP's Focus Forward Initiative was developed to assist AMP members in addressing these national trends. Topics at this year's summit included:

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

Gorsuch, Wright scholarship deadline approaches

By Jodi Allalen - member events & programs coordinator

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

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

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

Scholarship information is available on the Member Extranet section of the AMP <u>website</u>. For questions or additional information, please contact me at 614.540.0916 or jallalen@amppartners.org.



AMP presents Cramer with Hard Hat Safety Award

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

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

Week ending Dec. 2				
MON \$28.11	TUE \$29.42	WED \$29.73	THU \$31.55	FRI \$36.09
Week ending Nov. 18				
MON \$29.39	TUE \$30.20	WED \$29.58	THU \$27.41	FRI \$26.5 4
AEP/Dayton 2017 5x16 price as of Dec. 1 — \$37.17				

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

AMP attends APPA summit

continued from Page 1

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

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

IT team welcomes Samuell as systems administrator

By Josh Thompson - manager of cyber security

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



Cory Samuell

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

Please join me in welcoming Cory to AMP.

AMP hydropower projects featured in NHA publication

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



News or Ads?

Call Kerin Scott at 614.540.6406 or email to kscott@amppartners.org if you would like to pass along news or ads.

Classifieds

Lakeview seeks lineworker

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

AMP is in search of candidates for multiple positions

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

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

AMI/MDM Operator - This position will work within AMP's new advanced metering program and provide support to AMP members participating in the program. The ideal candidate will have a working knowledge of municipal utility billing and metering processes. While the successful candidate will be trained on AMP's advanced metering systems, existing knowledge of handheld meter reading, AMI head ends, AMR collection systems, or meter data management systems is desirable. Operator will monitor and ensure the scheduled tasks that make up the AMI processes are run and completed successfully. The operator will support members in the preparation and maintenance of daily, weekly and monthly processing schedules for AMI system operation. Position will work with various vendors' support personnel to track and verify the quality of data from all AMI sources, troubleshooting problems and resolving issues. The AMI/MDM Operator will also assist programmers and technical support in testing and debugging new applications and upgrades for the AMI and MDM systems. Qualifications required are good oral and written communications skills, a results-oriented work ethic, and a working knowledge of Microsoft Office. Two-year technical degree or four-year business degree is preferred, but equivalent experience in utility customer operations will be accepted.

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

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

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

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





Legislative Bulletin

December 2, 2016

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

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

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

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

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

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

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

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

* increases from three to six years the time during which a person would have to serve as a firefighter on hazardous duty before qualifying for a presumption;

* deletes a previous list of cancers; removes language regarding the identification of health conditions in pre-employment screenings;

* establishes a rebuttable presumption if a person's tobacco use could be a cause of their cancer;

* requires firefighters to show that carcinogens to which they have been exposed are linked to cancer;

* allows a presumption to be rebuttable if it can be shown that a person was not exposed to a carcinogen.

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

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

Have a great weekend~

COMMITTEE SCHEDULE FOR THE WEEK OF DECEMBER 4, 2016

Tuesday, December 6, 2016

HOUSE FINANCE

Rep. Smith : 614-466-1366

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

INCREASED VALUE-PROPERTY TAX (BEAGLE B, COLEY W) To exempt from property tax the increased value of property on which industrial or commercial development is

SB235 tax the increased value of property on which industrial of commercial development is planned until construction of new commercial or industrial facilities at the property commences

Fifth Hearing, All Testimony, AMENDMENTS/POSSIBLE VOTE

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

Third Hearing, All Testimony, AMENDMENTS/SUBSTITUTE BILL

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

Third Hearing, All Testimony, AMENDMENTS/POSSIBLE VOTE

SENATE INSURANCE

Sen. Hottinger: 614-466-5838

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

OVI OFFENDERS-IGNITION INTERLOCK (SCHERER G) To authorize a court to grant unlimited driving privileges with an ignition interlock device to first-time OVI offenders, to expand the penalties related to ignition interlock device violations, to modify the law

HB388 expand the penalties related to ignition interlock device violations, to modify the law governing the installation and monitoring of ignition interlock devices, to extend the look back period for OVI and OVI-related offenses from six to ten years, and to modify the penalties for OVI offenses.

Third Hearing, Opponent Testimony, POSSIBLE VOTE

Wednesday, December 7, 2016

HOUSE HEALTH AND AGING

Rep. Gonzales: 614-466-4847

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

CONTRACEPTION COVERAGE-EDUCATION (LEPORE-HAGAN M, BISHOFF

HB132 H) Regarding coverage for prescription contraceptive drugs and devices, the provision of certain hospital and pregnancy prevention services for victims of sexual assault, and comprehensive sexual health and sexually transmitted infection education in schools.
 First Hearing, Sponsor Testimony

HOUSE FINANCE

Rep. Smith: 614-466-1366

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

INCREASED VALUE-PROPERTY TAX (BEAGLE B, COLEY W) To exempt from property
 sB235 tax the increased value of property on which industrial or commercial development is planned until construction of new commercial or industrial facilities at the property commences.
 Sixth Hearing, All Testimony, AMENDMENTS/POSSIBLE VOTE

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

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

Thursday, December 8, 2016

- INCREASED VALUE-PROPERTY TAX (BEAGLE B, COLEY W) To exempt from property
 sB235 tax the increased value of property on which industrial or commercial development is planned until construction of new commercial or industrial facilities at the property commences.
 Seventh Hearing, All Testimony, AMENDMENTS/POSSIBLE VOTE
- SB331DOG SALE-PET RETAILER (PETERSON B) To regulate the sale of dogs from pet stores and
dog retailers and to require the Director of Agriculture to license pet stores.Fourth Hearing, All Testimony, AMENDMENTS/SUBSTITUTE BILL

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

Meeting/ Training

 2017 Mayors Court Training
 January & February
 Registration Form

Ohio Municipal League

Legislative Inquires: <u>Kent Scarrett, Executive Director</u> <u>Edward Albright, Deputy Director</u> <u>Josh Brown, Director of Communications</u>