Memorandum

To: Mayor & Members of Council

From: Jon Bisher/rd

Subject: General Information

Date: August 9, 2013

CALENDAR

AGENDA – Electric Committee

Monday, August 12th @ 6:30 pm / with BOPA

- Approval of Minutes

 a. the July 8th meeting minutes are attached
- Review/Approval of the Electric Billing Determinants for August, 2013
 a. Enclosed are the "Billing Determinants for Billing Cycle August 2013"
- Electric Department Report

 a. the July 2013 reports are attached.
- 4. Rate Levelization Plan

AGENDA – Preservation Commission

Tuesday, August 13th at 3:00 pm

AGENDA – SPECIAL COUNCIL MEETING

Wednesday, August 14th at 7:30 pm

MEETINGS CANCELLED

- 1. Water/Sewer Committee
- 2. Municipal Properties, Buildings, Land Use and Economic Development Committee
- 3. Board of Zoning Appeals
- 4. Planning Commission

INFORMATIONAL ITEMS

- 1. Letter to Henry County Republication Party regarding City Council Vacancy
- 2. *Invite* This Wednesday, August 14th, Automatic Feed will receive the AMBASSADOR OF ENERGY EFFICIENCY AWARD. The award presentation will be at Automatic Feed at 10:00 a.m.
- 3. Tax Reform Committee Information

Monthly Calendar

August 1 - 31, 2013





🕗 Calendar

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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
28	29	30	31	1	2	3
4	5	6	7	8	9	10
	7:00 PM City COUNCIL		6:00 PM - 8:00 pm River City			
	Meeting		6:00 PM - 8:00 pm River City Rodders Cruise-In			
	AV					
11	12	13	14	15	16	17
	6:30 PM Electric Commitee	3:00 PM Preservation	10:00 AM Automatic Feed	BISHER - VACATION	BISHER - VACATION	BISHER - VACATION
	Board of Public Affairs (BOPA)	Commission	Ambassador of Energy			
	AV - Rox		Efficiency Award Presentation			
			BISHER - 12 Noon > Vacation			
1						
18	19	20	21	22	23	24
18 BISHER - VACATION		20				24
18 BISHER - VACATION	6:00 PM City TREE	20	21 AMP - BISHER	22 AMP - BISHER	23 ROX - OFF	24
18 BISHER - VACATION	6:00 PM City TREE Commission Meeting	20				24
18 BISHER - VACATION	6:00 PM City TREE Commission Meeting 7:00 PM City COUNCIL	20				24
18 BISHER - VACATION	6:00 PM City TREE Commission Meeting 7:00 PM City COUNCIL Meeting	20				24
18 BISHER - VACATION	6:00 PM City TREE Commission Meeting 7:00 PM City COUNCIL Meeting 8:00 PM Parks & Rec	20				24
18 BISHER - VACATION	6:00 PM City TREE Commission Meeting 7:00 PM City COUNCIL Meeting 8:00 PM Parks & Rec Committee Mtg.	20				24
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City of Napoleon, Ohio

ELECTRIC COMMITTEE

LOCATION: City Hall Offices, 255 West Riverview Avenue, Napoleon, Ohio

Meeting Agenda Monday, August 12, 2013 at 6:30 PM

- I. Approval of Minutes (In the Absence of any Objections or Corrections, the Minutes Shall Stand Approved)
- II. Review/Approval of the Electric Billing Determinants for August: Generation Charge: Residential @ \$.08713; Commercial @ \$.10544; Large Power @ \$.05623; Industrial @ \$.05623; Demand Charge Large Power @ \$12.35; Industrial @ \$12.92; JV Purchased Cost: JV2 @ \$.00145; JV5 @ \$.00145
- III. Electric Department Report
- IV. Rate Levelization Plan
- V. Any Other Items Currently Assigned to Committee

Gregory J. Heath, Finance Director/Clerk of Council

City of Napoleon, Ohio **ELECTRIC COMMITTEE Meeting Minutes** <u>Monday, July 8, 2013 at 6:30 pm</u>

PRESENT	
Electric Committee Members	Travis Sheaffer – Chair (arrived at 6:33 pm), Patrick McColley, Jason
	Maassel
BOPA Members	Keith Engler – Chair, Dr. David Cordes, Mike DeWit
City Staff	Dr. Jon A. Bisher, City Manager
	Gregory J. Heath, Finance Director/Clerk of Council
	Trevor Hayberger, City Law Director
	Dennie Clapp, Electric Dept. Superintendent
	Chad Lulfs, City Engineer
	Roxanne Dietrich, Administrative Assistant
Acting Recorder	Tammy Fein
Others	Ron Behm, John Helberg, Jim Hershberger, Mike Migliore (AMP), News
	media
ABSENT	
Call To Order	Committee member McColley called the meeting to order at 6:29 pm. Chairperson Engler called the meeting to order at 6:29 pm.
Approval Of Minutes	The Monday, June 10, 2013 meeting minutes stand approved as presented
BOPA And Electric Committee	with no objections or corrections.
Review Of Billing Determinants	The electric billing determinants for July 2013 were presented for review.
Motion To Accept BOPA	Motion: Maassel Second: McColley
Recommendation	To accept the BOPA recommendation for approval of electric billing
	determinants for June 2013 as follows:
	Generation Charge: Residential @ \$0.08182; Commercial @ \$0.10251;
	Large Power @ \$0.05150; Industrial @ \$0.05150; Demand Charge Large
	Power @ \$13.33; Industrial @ \$14.08; JV Purchased Cost: JV2 @
	\$0.02895; JV5 @ \$0.02895.
Passed	Roll call vote on above motion:
Yea- 3	Yea- Maassel, Sheaffer, McColley
Nay- 0	Nay-
Discussion	None
	Electric Dense dense de Dense de familiario 2012 in stracha la d
Electric Department Report	Electric Department Report for June 2013 is attached.
	Clapp reported on June 2013; there were more outages calls than normal due to lightning and with 28 collouts. I call uses to turn on the
	due to lightning and wind with 28 callouts, 1 call was to turn on the
	electric for a customer, 3 callouts were outages due to animals shorting
	distribution circuits, 13 outages were due to lightning, 3 outages were
	caused by broken tree limbs, 5 outages were caused by City owned
	equipment failure, 1 callout was a shutoff for a house fire, and 2 outages
	were due to a customer equipment failure. In the Line Department service
	truck category, the crews finished the upgrade to feeder line poles at
	Glenwood Substation; line crews rebuilt the service for a car wash remodel

at Perry Street, set and removed temporary poles for KidsFest, replaced the pole and built a new three phase service for a microwave at Cloverleaf Cold Storage, crews performed shutoffs for nonpayment of bills, line crews also replaced pole number 7816 on 424 West, the line department replaced the three phase pole on pole number 0219 at Duquesne and Jahns, linemen helped the Operations Department put up signs for construction projects to reroute traffic, and completed moving two feeders across the road East of Tullock's Marina, and set up temporary transformers and poles and services for the pumps that will pump the water around the work area of the State project between Tullock's and Johnson's and also at Ritter Park, crews also set a new 750 KVA transformer and put in primary for the new biogas plant on Road T3, crews set and removed a temporary pole for RibFest ,and the service truck completed work orders and helped service crews as needed. Clapp reported that in the Substation Department Todd Wachtman and Nikk Hogrefe completed the monthly check of the substation and installed oil containment around the main transformers at Glenwood and South Side Substation which was done in-house by running a mini-excavator. Clapp reported that both Wachtman and Hogrefe completed their AVO Substation Certification training and will be receiving their certificate soon to be compliant. Clapp reported that the tree crew worked on Sycamore Drive, 424 West, West Maumee, P3, an allev off Haley, and completed work orders for customers needing tree service in the lines; in the Storeroom department, Shawn Druhot has been reading meters and purchasing, unloading, and cleaning the inventory, along with taking care of bulb recycling and taking care of walkin customers needing meter sockets, and other services such as mowing the service building and substation yards as needed and assisted Wachtman and Hogrefe with installing the oil containment. The peak load for June was 28.34 megawatts occurring on June 25th at 6:00pm, this is a decrease of 3.25 megawatts from June 2012. The average load for June was 17.5 megawatts; that was a decrease of 1.66 megawatts from June 2012, with the solar being on so that must be figured in as well for the decreases; the JV2 and JV5 ran on June 10th and produced 3.6 megawatts each, and AMP changed out the meter at the JV2 site that has not been working, and the gas turbine ran on June 20th and produced 12.7 kilowatts, June 21st at 26.8 kilowatts, June 24th at 39.3 kilowatts, June 25th at 12.4 kilowatts, and June 26th at 12.8 kilowatts. The AMP solar field showed a peak of 3.72 megawatts, and the output for the month was 620,119.25 killowatt hours, this was a decrease of 10,172.50 killowatt hours from May 2013 due to an increase in temperature. Clapp reported that he attended the national conference in Nashville, TN from June 16 – 19th, and attended the Pole Attachment Issues, Preparing Utilities For Upcoming Storms and Diasaster Preparedness, Renewing Public Power Strength, 10 Things That Keep Managers Of Smaller Utilities Up At Night, Looking Beyond The Horizon-The Electricity System Of The Future, What's Ahead For The American Economy, CyberSecurity 101 and 201, and Water Usage sessions. The latest updated Efficiency Smart reports are included in the packets for information only, running from 1/1/2011 through 5/31/2013. Clapp reported that on August 30th there will be an incandescent to fluorescent bulb exchange at Kurtz hardware, and August 14th at 10:00 am Automatic Feed will be receiving an award from Effeciency Smart called the Ambassador of Energy Efficiency Award, and City officials have been invited.

	DeWit asked of Clapp who owns the power line from the transformer to the mast on an aerial B; Clapp replied that the City owns up to the meter; so the line coming from the transformer with the secondary to the masthead is the City's responsibility; DeWit asked if the property owner could request tree removal from the lines; Clapp replied yes.
	Cordes stated that there should be publicity regarding the light bulb exchange program; Clapp replied that the information would be going out with customer bills.
Solar Acquisition Of Additional Solar Power	Bisher stated there is no report; City is waiting on Saint Mary's response. The City is ready to take 1 meg if Saint Mary's is going to build 2 megs behind their meter. Bisher stated there is no action required.
	DeWit asked why on the solar billing rate is there a negative demand charge; Migliore answered that instead of a fixed rate on the solar, the RECs are sold and that money goes into the demand charge rather than the energy charge; Bisher added that additional RECs were sold.
	DeWit asked why the City is only using 66% of the NIPA regarding the load factor; Migliore replied that there is an allocation from the State of NY that dictates the amount of energy and the amount of maximum capacity received; the 67% is compacted to the on peak hours and the extra is added to the off peak hours.
Electric Rate Stabalization From AMP	 AMP powerpoint presentation is attached. Bisher stated that now is a good time for rate stabilization because the cost for power will decrease next year but then will rise after more expensive assets such as hydros come on board. Mike Migliore, Assistant Vice President of Power Supply Planning and Transmission for AMP, went over a presentation that included: Energy Usage and Peak Demand; Capacity Costs; Energy Resources; Forecasted Rates; and Rate Levelization Agreement. Migliore stated that power rates are relatively stable as compared to the last ten (10) years and went over the City's portfolio stating what is still under contract, including Fremont Energy Center, Prairie State Energy Campus, and OMEGA JV5-Belleville. Migliore stated that power usage has increased across the board as recovery from the recession and some was attributed to the hot summers the last two years; Migliore added that PGM, which controls the transmission grid, has added a new requirement called install capacity which involves setting reserve margins. PGM has a market to ensure there is enough installed capacity called the Reliability Pricing Mode (RPM) which runs an auction every three years to acquire capacity from all the generators then the bill gets sent back to the load with credit for the generation that is owned; Migliore stated that Napoleon is in a good position for installed capacity.
	Dewit asked if there is still a requirement to make diesel sulphur

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compliant; Migliore replied the diesel that is burned is ultra-low sulphur and now there are EPA rules that reciprocal engines are limited to a number of hours, so 2013 through next May there is 100 hours total, 50 hours can be for demand response in the installed capacity market, and 50 hours can be for peak shaving for energy markets; after this year the limit will be 60 hours for demand response only through May 2017. Migliore added that any new peaking that will be installed will be natural gas. Dewit asked if generators are currently being made that can process sulphur; Bisher replied that currently the price of natural gas is so low that if this is to be done, it will done using a natural gas powered turbine, not diesel, Bisher added that this may change since the EPA could attack natural gas and drive up the price, as they did coal previously. Bisher stated that the machine in Fremont takes energy and converts it from one form to another, converting natural gas energy to electrical energy; the real price of natural gas in some ways is immaterial, what is material is the difference when the machine is run and the price of gas is converted to the price of electricity, changes there mean a profit. Bisher explained that the spark spread is the margin between converting the natural gas to electricity; Bisher is hoping the spark spread will help level costs when the hydro which is more expensive is added on.

Migliore stated the goal of the rate levelization is to levelize the rates from 2014 through 2016 so there is not a big drop in rates followed by a big increase the next year. This would work by the City depositing funds either through AMP or in an account from January 2014 through March 2015, then adding money to the power supply cost to raise the rates up to the \$73 rate, then from April 2015 through December 2016 that money would be taken back out and supply credits to the power rates to get the rate back down to the \$73 level. Migliore added that the rates used to be higher in the summer and lower the rest of the year, but now the costs are about the same throughout the twelve months, but the rates are lower in the summer because of selling more kilowatt hours.

Migliore stated that if the City were to use AMP's line of credit, the interest rate would be 1.5%, and the account would be trued up in December 2016.

Bisher notes that this is the time to do this if the City is going to; but must be careful in the accounting aspect. Bisher read from an email received from the Finance Dept. stating that Chris Deeter recommend "the City consider utilizing Gadsby 62 accounting, formerly FAS 71, where they would defer the amount collected and deposit it into a fund and then when they collect it from the customers, recognize the expense at the point in that point in time. This would avoid a potential negative effect on your income statement and any possibility of jeopardizing the debt coverage ratios with the JVs." Bisher added that the City does have covenance in some of the debt, so the accounting must recognize the debt equity ratios. Bisher added that Heath reports at the end of every year, and the City must be careful of the accounting issues.

DeWit added that the customers will be paying in more than the actual bill is, so the City is not borrowing money but is putting money aside. DeWit has a concern with guaranteeing \$0.73/kilowatt; right now prices vary 28%

per year, from \$0.09 to \$0.07. DeWit is concerned with the title Rate Stabalization, since the rates can fluctuate over very short periods of time. DeWit stated that in the past the City has been lucky not to guarantee anything, keeping the prices at a flat rate; however if the City is guaranteeing a price, and if the price is not accurate the City will see a fluctuation that the City cannot afford to cover, there also could be inequities for residents in the future who have not paid in during the lower costs. Bisher added that because of the City's portfolio and the costs being contracted to be fixed, the City is in a position to know the costs since the assets are City owned. DeWit added that rates can be stabilized by prediction; the information could be shown to all the business customers and give them the choice to receive the savings back, the information must be made clear to the business customers; this will be the major issue in stabilizing the costs. Bisher stated that the customers will take the savings this year, then come in the following year complaining about the rate increase. DeWit added that if the rate is stabilized at \$73, then the amount of gas decreases, the rates will also be increased. Bisher added this will not happen overnight; DeWit stated the City has seen costs such as this before. DeWit restated that the most important issue is informing the customers of this information; Bisher added that many of the customers expect the public officials to handle this information. Engler added that the projections are legitimate, and the customers have selective hearing to this information; the levels are increasing slightly each year and should be presented that way.

Heath addressed DeWit's concerns by stating that billing determinants are reviewed monthly; from an accounting perspective, the recovery is almost immediate regarding purchased power; this type of accounting protects the known assets, not the unknown assets. Engler stated that this would be harder to explain to the public, that the City was only protecting the known assets, and not the unknown; DeWit agreed that in 2014 the rates aren't as low and the City should not be trying to predict the guaranteed rate but instead should continue to do it the way it's done now and protecting the customers with knowledge and informing the customers of the rate increases. DeWit stated he is nervous about guaranteeing a rate that could fluctuate. Cordes stated that a rate is not being guaranteed, but are putting money back and starting at the beginning of the slope, and the farther out the projection then the less accurate that it is going to be; Cordes added the lower rates in the first year will seem positive to residents but the money will be spent, then when the rates increase in the following year and the residents will be mad. DeWit stated that this should not be called rate stabilization indicating that the rates would remain stable and not fluctuate. Engler added that rate levelization is a more accurate name. DeWit stated that this is not actually a rate but is a cost increase, Heath stated that this would be recovered through the rates just as the \$60,000 Capitalization Charge is being recovered; Heath added the increase would start January 2014 and go through March 2015, which peaks out according to the schedule at \$1,657,000 with the interest then it will drawback. Heath stated that the reserves are saved for self insurance, and are approximately \$4.6 million, meaning that in theory the City could be self funded with this reserve; DeWit added that money will become an issue in 2014, Heath stated that the purchased power money will be set aside with 1.5% interest through AMP; Heath added that if that money would go into a fund that

would be reloaned out then it would cause a credit risk which must be considered. Cordes asked if the 1.5% was a guarantee or if the rate could be higher or lower than that; Migliore stated that it fluctuates on a monthly basis and the 1.5% is just an estimate. Heath questioned whether the 1.5% is feasible for AMP to give on received money; Bisher replied that this joint venture money is being reloaned out. Heath stated that this puts the money at risk; Bisher stated it is due to the amount of \$750,000,000. Heath asked if this line of credit is cash reserves that AMP holds; Bisher replied that it is a true line of credit; Heath stated that involves risk. Migliore added that this agreement is a trust agreement with US Bank.

DeWit asked that the rate levelization would be for all paying customers that purchase electricity, not just customers within City limits; Heath replied yes, all paying customers.

Bisher stated that he was looking at the strawman legislation which was proposed, that states it "authorizes the City Manager to deposit money with AMP for the total prinicipal amount not to exceed \$1.6 million, to be used by the City to levelize power costs from January 2014 through December 31, 2016; such deposit shall be repaid by AMP in full no later than January 31, 2017, interest and carrying charges shall accrue on any remaining balance during the period. An estimated fund schedule using the proposed 1.5% interest rate has been represented to the City and AMP has agreed to notify the City of any changes in the rate of such interest as soon as is practical". Cordes stated that this is about stabilizing the rates for a two year period, not through 2018. DeWit added that this process is not to guarantee a rate, it is levelizing a rate. McColley stated that the rate levelization is a good program and the real question is to have AMP do it or to do it internally. Cordes added it could be called a rate levelization fund instead of a rate stabilization fund. Engler added that stabilization has an implied guarantee of rates staying the same. Bisher stated the title of the suggested Ordinance is 'an Ordinance authorizing the City Manager to enter into a rate levelization arrangement for the benefit of the City of Napoleon, Ohio and for its electric system".

Heath stated that the question is if the City wants to use reserves or if the City should charge it; McColley asked Heath's opinion as the Financial Advisor; Heath stated that either is acceptable as there enough reserves to cover it. Bisher stated he has concerns with obligations the City has with Megs County Plant as the City has set some money aside for the future contract and it seems to be proceeding but there is uncertainty of how that will settle; Bisher said he would prefer to charge it and save the reserves in case Megs County went poorly. DeWit asked Heath, if AMP is paying 1.5% interest if Heath would prefer to let AMP handle the money; Heath replied yes. Sheaffer asked how long before the City would know regarding the court action; Hayberger replied it is in the early stages and may be two to three years.

Motion: McColley Second: Maassel To approve BOPA recommendation to look at rate stabilization from AMP Ohio

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Roll call vote on above motion:

Motion To Approve BOPA

Recommendation

Passed

Yea- 3	Yea- Maassel, Sheaffer, McColley
Nay- 0	Nay-
Discussion	Heath asked DeWit if he would like a Minority Report in the record, DeWit replied no; DeWit also suggested that when the Ordinance is written, the Ordinance should be reviewed at regular intervals to ensure the projections will be accurate. Bisher agreed, stating that the money may or may not be enough to levelize for two years, and the rate may be allowed to go higher to levelize, and the Ordinance will only allow the rate to be levelized for one (1) more year.
Electric Committee Motion To	Motion: Maassel Second: McColley
Adjourn	To adjourn the meeting at 8:03 pm
Passed	Roll call vote on above motion:
Yea- 3	Yea- Maassel, Sheaffer, McColley
Nay- 0	Nay-
Date	Travis Sheaffer, Chair

BILLING DETERMINANTS for B									
PREVIOUS MONTH'S POWER BILLS - PU			COST ALLOCAT			v٠			
DATA PERIOD	MONTH			DAYS IN MONTH		SYSTEM PEAK			
AMP-Ohio Bill Month	JUNE, 2013			30		30,195			
City-System Data Month	JULY, 2013			31		30,195			
City-Monthly Billing Cycle	AUGUST, 2013			31					
	A00001, 2010			51					
(AMPGS	AMPGS	SALE TO			NAPOLEON	PRAIRIE	NORTHERN	FREEMONT
PURCHASED POWER-RESOURCES -> (REPLACEMENT	REPLACEMENT	TEA	AMP CT	NYPA	SOLAR	STATE	POWER	ENERGY
	2013 5x16 @ AD	2013 7x24 @ AD		-	SCHED. @ NYIS		SCHED. @ PJMC	POOL	SCHEDULED
Delivered kWh (On Peak) ->		5,040,000		72,105	438,979	182,144	2,323,321	18,485	3,602,7
Delivered kWh (Off Peak) ->	1,000,000	0,040,000	0	72,100	400,070	102,144	2,020,021	126,305	0,002,7
Delivered kWh (Losses/Offset) ->							817,815	120,000	
Delivered kWh (Credits) ->							017,010	-2,743,526	
								2,7 10,020	
Net Total Delivered kWh as Billed ->	1,600,000	5,040,000	0	72,105	438,979	182,144	3,141,136	-2,598,736	3,602,7
Percent % of Total Power Purchased->	11.6298%	36.6340%	0.0000%	0.5241%	3.1908%	1.3239%	22.8318%	-18.8892%	26.1869
POWER - COSTS OF ENERGY, DEMAND, REACTIVE	TAXES, FEES, CRE	DITS & OTHER AD	JUSTMENTS:						
DEMAND CHARGES (Debits)									
Demand Charges				\$22,940.00	\$5,244.33		\$42,661.27		\$27,528.
Debt Services (Principal & Interest)							\$111,026.32		\$44,251.
Capital Improvements									
Working Capital									
DEMAND CHARGES (Credits)									
Transmission Charges (Demand-Credits)				-\$23,005.92					
Capacity Credit				-\$7,661.41	-\$792.95		-\$1,631.20		-\$7,111.
Out Tatal Daman d Obamaa		****	****	A7 707 00	 <i>\$4,454,00</i>		****		
Sub-Total Demand Charges	\$0.00	\$0.00	\$0.00	-\$7,727.33	\$4,451.38	\$0.00	\$152,056.39	\$0.00	\$64,668.6
ENERGY CHARGES (Debits or Adjustments):									
Energy Charges - On Peak	\$110,736.00	\$301,140.00			\$5,200.43		\$20,246.90	\$60.86	\$117,339.3
Energy Charges - Off Peak	\$110,730.00	\$301,140.00			\$0,200.43		φ20,240.90	\$148.91	φ117,339.
Net Congestion, Losses, FTR	\$2,643.27	\$6,853.58					\$17,933.34	\$140.91	\$11,703.
Transmission Charges (Energy-Debits)	\$2,043.27	\$0,803.08							\$11,703.
ESPP Charges							\$14,609.52		
Bill Adjustments									\$43.
Bill Adjustments									φ43.
ENERGY CHARGES (Credits or Adjustments):									
Energy Charges - On Peak (Sale or Rate Stabilization)						\$15,482.21	\$27,439.63	-\$104,387.47	
Net Congestion, Losses, FTR					-\$1,082.43	φ1J,402.21	\$6,440.30	-\$104,307.47	
Bill Adjustments					\$347.19		\$0,440.30		
Bill Adjustments					\$347.19				
Sub-Total Energy Charges	\$113,379.27	\$307,993.58	\$0.00	\$0.00	\$4,465.19	\$15,482.21	\$86,669.69	-\$104,177.70	\$129,086.
COMBINED DEMAND & ENERGY (Debits & Credits A	llocated by Ratio be	etween Demand & E	Energy) - Service Fees	s, Billing and Rate A	Adjustments:				
RPM Charges Capacity - (Debit)									
RPM 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)									
City Rate Adjustment in Cost of Power (1)									
Sub-Total Service Fees & Other Charges	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	 \$0.
FOTAL - ALL COSTS TO ALLOCATE	\$113,379.27	\$307,993.58		-\$7,727.33	\$8,916.57	\$15,482.21	\$238,726.08	-\$104,177.70	\$193,754.
Purchased Power Resources - Cost per kWH->	\$0.070862	\$0.061110	\$0.000000	-\$0.107168	\$0.020312	\$0.085000	\$0.076000	\$0.040088	\$0.0537
		-		-					

BILLING DETERMINANTS for BI	1							
2013 - AUGUST BILLING WITH JULY 2013 DATA								
PREVIOUS MONTH'S POWER BILLS - PU								
DATA PERIOD								
AMP-Ohio Bill Month								
City-System Data Month								
City-Monthly Billing Cycle								
(EFFICIENCY	JV-2	JV-5	JV-6	TRANSMISSION	SERVICE FEES	CITY RATE	TOTAL -
PURCHASED POWER-RESOURCES -> (SMART	PEAKING	HYDRO	WIND	CHARGES	DISPATCH, A & B		ALL
	POWER PLANT	SCHED. @ ATSI	7x24 @ ATSI	SCHED. @ ATSI	Other Charges	Other Charges	MONTHLY ADDER	RESOURCES
Delivered kWh (On Peak) ->	0	84	2,223,360	23,592	<u>ether enargee</u>	<u>ettier entargee</u>		15,524,7
Delivered kWh (Off Peak) ->			, .,	- ,				126,3
Delivered kWh (Losses/Offset) ->			32,338					850,1
Delivered kWh (Credits) ->								-2,743,5
								7 - 7 -
Net Total Delivered kWh as Billed ->	0	84	2,255,698	23,592	0	0	0	13,757,7
Percent % of Total Power Purchased->	0.0000%	0.0006%	16.3959%	0.1715%	0.0000%	0.0000%		100.0001
							Verification Total - >	100.0001
POWER - COSTS OF ENERGY, DEMAND, REACTIVE,								
DEMAND CHARGES (Debits)		#000 50	¢11.000.00	64 050 10	ØC7 044 57			\$100 OF 1
Demand Charges		\$282.53	\$11,623.99	\$1,352.13	\$57,041.57			\$168,674.
Debt Services (Principal & Interest) Capital Improvements			\$64,474.06	\$3,531.00				\$223,283. \$0.0
Working Capital								\$0.
working Capital								\$U.I
DEMAND CHARGES (Credits)								
Transmission Charges (Demand-Credits)		-\$355.31	-\$5,213.27	-\$132.17				-\$28,706.
Capacity Credit		-\$355.31	-\$3,213.27	-\$132.17				-\$20,008.
		-\$200.90	-92,000.02	-\$10.52				-920,000.
Sub-Total Demand Charges	\$0.00	-\$273.68	\$68,290.86	\$4,734.44	\$57,041.57	\$0.00	\$0.00	\$343,242.2
ENERGY CHARGES (Debits or Adjustments):								
Energy Charges - On Peak		\$0.56	\$55,296.09		\$7,199.58			\$617,219.
Energy Charges - Off Peak								\$148.
Net Congestion, Losses, FTR								\$39,133.
Transmission Charges (Energy-Debits)	¢00,100,40							\$14,609.
ESPP Charges Bill Adjustments	\$38,168.43	¢0.50						\$38,168.
Bill Adjustitients		\$6.50						\$49.
ENERGY CHARGES (Credits or Adjustments):								
Energy Charges - On Peak (Sale or Rate Stabilization)								-\$61,465.0
Net Congestion, Losses, FTR								\$5,357.
Bill Adjustments								\$3,357.
								ψ υ +1.
Sub-Total Energy Charges	\$38,168.43	\$7.06	\$55,296.09	\$0.00	\$7,199.58	\$0.00	\$0.00	\$653,569.4
COMBINED DEMAND & ENERGY (Debits & Credits A	<u> </u>				¢00.000.40			¢00.000
RPM Charges Capacity - (Debit) RPM Charges Capacity - (Credit)					\$39,263.42			\$39,263. \$0.
Service Fees AMP-Dispatch Center - (Debit/Credit)					\$0.00	\$1,460.67		\$0. \$1,460.
Service Fees AMP-Dispatch Center - (Debit/Credit) Service Fees AMP-Part A - (Debit/Credit)						\$1,460.67 \$2,652.47		\$1,460.
Service Fees AMP-Part B - (Debit/Credit)						\$2,652.47 \$6,645.31		\$2,652.
Other Charges & Bill Adjustments - (Debit/Credit)						φ0,043.31		\$0,045. \$0.
City Rate Adjustment in Cost of Power (1)							\$60,000.00	\$60,000.
	\$0.00	\$0.00	\$0.00	\$0.00	\$39,263.42	\$10,758.45	\$60,000.00	\$110,021.
Sub-Total Service Fees & Other Charges								
Sub-Total Service Fees & Other Charges	\$38,168.43	-\$266.62	\$123,586.95	\$4,734.44	\$103,504.57	\$10,758.45		\$1,106,833.6
TOTAL - ALL COSTS TO ALLOCATE	\$38,168.43						Verification Total - >	\$1,106,833.
			\$0.054789	\$0.200680	\$0.000000	\$0.000000	Verification Total - > \$0.000000	\$1,106,833.0 \$0.08045
TOTAL - ALL COSTS TO ALLOCATE	\$38,168.43		\$0.054789 (Northern Pool Po		\$0.000000 ff-Peak) Energy Cha	\$0.000000 rge/kWH) = JV2 Elec	Verification Total - > \$0.000000 ctric Service Rate - >	\$1,106,833.0

BILLING DETERMINANTS for BI			UST 2013						
2013 - AUGUST BILLING WITH JULY 2013 DATA			<u>501, 2015</u>						
PREVIOUS MONTH'S POWER BILLS - PUI		VER KWH AND	COST ALLOCA		AND & ENERG				
DATA PERIOD	MONTH			DAYS IN MONTH		SYSTEM PEAK			
	JUNE, 2013			30		30,195			
	JULY, 2013			31					
City-Monthly Billing Cycle	AUGUST, 2013			31					
(AMPGS	AMPGS	SALE TO			NAPOLEON	PRAIRIE	NORTHERN	FREEMONT
PURCHASED POWER-RESOURCES -> (REPLACEMENT	REPLACEMENT	TEA	AMP CT	NYPA	SOLAR	STATE	POWER	ENERGY
(2013 5x16 @ AD	2013 7x24 @ AD	5x16 - 5x16 @ AD	SCHED. @ ATSI	SCHED. @ NYIS	SCHED. @ ATSI	SCHED. @ PJMC	POOL	SCHEDULED
RATIOS COMPUTATION (By Billed Demand and Energy	<u>an </u>								
DEMAND Ratio	0.0000%	0.0000%		100.0000%	49.9226%	0.0000%	63.6949%	0.0000%	33.3766%
ENERGY Ratio	<u>100.0000%</u>	<u>100.0000%</u>	0.0000%	0.0000%	<u>50.0774%</u>	<u>100.0000%</u>	<u>36.3051%</u>	<u>100.0000%</u>	<u>66.6234%</u>
Verification Total-Ratio's = 100.0000%	100.0000%	100.0000%	0.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%
COST ALLOCATION TO SERVICE FEES & BILLING AN	ND RATE ADJUST	MENTS - By DEMAN	D and ENERGY RA	TIO'S:					
RPM Charges Capacity									
DEMAND - Allocation based on Ratio	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ENERGY - Allocation based on Ratio	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Verification Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Service Fees-AMP Charges (Dispatch, Part A & Part E	<u>3)</u>								
DEMAND - Allocation based on Ratio	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ENERGY - Allocation based on Ratio	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Verification Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Other Charges & Other Bill Adjustments									
DEMAND - Allocation based on Ratio	\$0.00	\$0.00				\$0.00	\$0.00	\$0.00	\$0.00
ENERGY - Allocation based on Ratio	<u>\$0.00</u>	<u>\$0.00</u>				<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>
Verification Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Rate Adjustment in Cost of Power (1)									
DEMAND - Allocation based on Ratio	\$0.00	\$0.00	1	1.1.1	1	\$0.00	\$0.00	\$0.00	\$0.00
ENERGY - Allocation based on Ratio	<u>\$0.00</u>	<u>\$0.00</u>				<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>
Verification Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
Verification Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

BILLING DETERMINANTS for BI								
2013 - AUGUST BILLING WITH JULY 2013 DATA								
PREVIOUS MONTH'S POWER BILLS - PU								
DATA PERIOD								
AMP-Ohio Bill Month								
City-System Data Month								
City-Monthly Billing Cycle								
(EFFICIENCY	JV-2	JV-5	JV-6	TRANSMISSION	SERVICE FEES	CITY RATE	TOTAL -
PURCHASED POWER-RESOURCES -> (SMART	PEAKING	HYDRO	WIND	CHARGES	DISPATCH, A & B	ADJUSTMENT	ALL
	POWER PLANT	SCHED. @ ATSI	7x24 @ ATSI	SCHED. @ ATSI	Other Charges	Other Charges	MONTHLY ADDER	RESOURCES
RATIOS COMPUTATION (By Billed Demand and Ener						A-AMP RATIO	B-CITY RATIO	
DEMAND Ratio	0.0000%	102.6480%	55.2573%	100.0000%	88.7929%	33.6285%	36.4646%	
ENERGY Ratio	100.0000%	<u>-2.6480%</u>	44.7427%	0.0000%	<u>11.2071%</u>	66.3715%	63.5354%	
Verification Total-Ratio's = 100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	100.0000%	
COST ALLOCATION TO SERVICE FEES & BILLING A								TOTALS
RPM Charges Capacity								
DEMAND - Allocation based on Ratio	\$0.00	\$0.00	\$0.00	\$0.00	\$34,863.12	1	1	\$34,863.12
ENERGY - Allocation based on Ratio	<u>\$0.00</u>	<u>\$0.00</u>	\$0.00	<u>\$0.00</u>	<u>\$4,400.30</u>	\$0.00	1	\$4,400.30
Verification Total	\$0.00	\$0.00	\$0.00	\$0.00	\$39,263.42	\$0.00	\$0.00	\$39,263.42
Service Fees-AMP Charges (Dispatch, Part A & Part								
DEMAND - Allocation based on Ratio	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$3,617.91	\$0.00	\$3,617.91
ENERGY - Allocation based on Ratio	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$7,140.54</u>		\$7,140.54
Verification Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$10,758.45	\$0.00	\$10,758.45
Other Charges & Other Bill Adjustments								
DEMAND - Allocation based on Ratio	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00
ENERGY - Allocation based on Ratio	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>			<u>\$0.00</u>
Verification Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
City Rate Adjustment in Cost of Power (1)		** **	** **					
DEMAND - Allocation based on Ratio	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	. ,	\$21,878.76
ENERGY - Allocation based on Ratio	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	<u>\$0.00</u>	\$0.00	\$0.00		\$38,121.24
Verification Total	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$60,000.00	\$60,000.00
Verification Total	\$0.00	\$0.00	\$0.00	\$0.00	\$39.263.42	\$10.758.45	\$60.000.00	\$110.021.87
	φ 0.00	<i>φ0.00</i>	<i>⊅0.00</i>	<i>φ0.00</i>	\$39,203.42	\$10,758.45	<i>φου,υυυ.υυ</i>	φ110,021.87

	BILLIN	NG DETERMINAN	ITS			DET
BILLING DETERMINANTS for BIL	LING CYCLE -	AUGUST.	2013			
		///////				
PREVIOUS MONTH'S POWER BILLS - PUR	CHASED POWER S					
	ONAGED I OWEN S	01121-0001	DAYS IN		SYSTEM	
DATA PERIOD	MONTH		MONTH		PEAK	
MP-Ohio Bill Month	JUNE, 2013		30			
City-System Data Month	JULY, 2013		30		30,195	
City-Monthly Billing Cycle	AUGUST, 2013		31			
	AUGUS1, 2013		51			
PURCHASED POWER SUPPLY - COST AL	LOCATION WORKS	<u>SHEET</u>				
	Billing	Billing	RPM	RPM	Service Fees-AMP	Service Fees-AM
	Charges	Charges	Charges	Charges	Charges	Charges
Purchased Power Provider	DEMAND	ENERGY	DEMAND	ENERGY	DEMAND	ENERGY
AMPGS-REPLACEMENT 5x16 @ AD	\$0.00	\$113,379.27	\$0.00	\$0.00		\$0.0
MPGS-REPLACEMENT 7x24 @ AD	\$0.00	\$307,993.58	\$0.00	\$0.00		\$0.0
ALE TO TEA 5x16 @ AD	\$0.00	\$307,995.38	\$0.00	\$0.00		\$0.0
EFFICIENCY SMART POWER PLANT	\$0.00	\$38,168.43	\$0.00	\$0.00		\$0.0
MP CT SCHEDULED	-\$7,727.33	\$38,108.43	\$0.00	\$0.00		\$0.0
IVPA SCHEDULED	\$4,451.38	\$0.00 \$4.465.19	\$0.00	\$0.00		\$0.0 \$0.0
JAPOLEON SOLAR SCHEDULED	\$4,431.58	\$15,482.21	\$0.00	\$0.00		\$0.0
PRAIRE STATE SCHEDULED	\$152,056.39	\$15,482.21	\$0.00	\$0.00		\$0.0
ORTHERN POWER POOL	\$152,050.59	-\$104,177.70	\$0.00	\$0.00		\$0.0
REEMONT ENERGY SCHEDULED		. ,	1.1.1.1		1	· ·
	\$64,668.66	\$129,086.06	\$0.00	\$0.00		\$0.0
V-2 PEAKING SCHEDULED	-\$273.68	\$7.06	\$0.00	\$0.00		\$0.0
V-5 HYDRO	\$68,290.86	\$55,296.09	\$0.00	\$0.00		\$0.0
V-6 WIND	\$4,734.44	\$0.00	\$0.00	\$0.00		\$0.0
RANSMISSION and Other Charges	\$57,041.57	\$7,199.58	\$34,863.12	\$4,400.30		\$0.0
A - AMP Service Fees- Dispatch, A & B	\$0.00	\$0.00	\$0.00	\$0.00		\$7,140.5
3 - City Rate Adjustment Added to Cost of Power	\$0.00	\$0.00	\$0.00	\$0.00		\$0.0
C - Outdoor Lght.Credit Reconciliation	\$0.00	\$0.00	\$0.00	\$0.00		\$0.0
OTALS - ALL	\$343,242.29	\$653,569.46	\$34,863.12	\$4,400.30	\$3,617.91	\$7,140.5
RATIOS COMPUTATIONS (By Billed Demand and Ener	rgy):					
A - AMP Service Fees - Ratio Allocation (Excluding	g JV2, JV5 & JV6, & Sei	rvice Fees)				
Totals - AMP All Billing Costs by Demand and Energy	(Excludes: JV2, JV5 &	JV6, & AMP Serv	ice Fees)			
Ratios to Allocate AMP Service Fees						
3 - City Rate Adjustment - Ratio Allocation (To Tot	al Cost of Power)					
otals - All Billing Costs both Demand and Energy						
Ratios to Allocate City Rate Adjustment						
C - Outdoor Street Lights and Miscellaneou - Ratio	Allocation (To ALL Co	osts of Power. Inc	luding City Rate A	diustment)		
otals - All Billing Costs both Demand and Energy				<u></u>		
Ratios to Allocate City Rate Adjustment						
Other Cost and Reconciliation Items for Power Su	pply Cost Allocation W	orksheet:				
2 - Outdoor Street Light Reconciliation Credit Cor			Average Cost of P	ower)		
Total Purchased Power Cost (Cost Per kWh, on Pag						
Total Outdoor Street Light kWh by Light Type (on Pa						
	~ /					
let Allocated - Security Street Light Credit						
Iet Allocated - Security Street Light Credit Less: Security Street Light Corrections (If Any)						

	BILL	ING DETERMINAN	15			DE
BILLING DETERMINANTS for BILLIN						
PREVIOUS MONTH'S POWER BILLS - PURCH						
REVIOUS MONTH'S POWER BILLS - PORCH						
DATA PERIOD						
MP-Ohio Bill Month						
City-System Data Month						
City-Monthly Billing Cycle						
PURCHASED POWER SUPPLY - COST ALLO						
	Other Charges	Other Charges	City Rate	City Rate	TOTAL COSTS A	ALLOCATED
	& Bill Adjsmnt.	& Bill Adjsmnt.	Adjustment	Adjustment	TOTAL	TOTAL
Purchased Power Provider	DEMAND	ENERGY	DEMAND	ENERGY	DEMAND	ENERGY
AMPGS-REPLACEMENT 5x16 @ AD	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$113,379.2
AMPGS-REPLACEMENT 7x24 @ AD	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$307,993.
SALE TO TEA 5x16 @ AD	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.0
EFFICIENCY SMART POWER PLANT	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$38,168.4
AMP CT SCHEDULED	\$0.00	\$0.00	\$0.00	\$0.00	-\$7,727.33	\$30,100.
NYPA SCHEDULED	\$0.00	\$0.00	\$0.00	\$0.00	\$4,451.38	\$4,465.
NAPOLEON SOLAR SCHEDULED	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$15.482.2
PRAIRE STATE SCHEDULED	\$0.00	\$0.00	\$0.00	\$0.00	\$152,056.39	\$86,669.0
NORTHERN POWER POOL	\$0.00	\$0.00	\$0.00	\$0.00	\$152,050.59	-\$104,177.
FREEMONT ENERGY SCHEDULED	\$0.00	\$0.00	\$0.00	\$0.00	\$64,668.66	\$129,086.
V-2 PEAKING SCHEDULED	\$0.00	\$0.00	\$0.00	\$0.00	-\$273.68	\$129,080.
V-2 PEAKING SCHEDULED V-5 HYDRO	\$0.00	\$0.00	\$0.00	\$0.00	\$68,290.86	\$55,296.0
V-5 HIDRO V-6 WIND	\$0.00	\$0.00	\$0.00	\$0.00	\$4,734.44	\$35,296.0
TRANSMISSION and Other Charges	\$0.00	\$0.00	\$0.00	\$0.00	\$91,904.69	\$11,599.8
5						
A - AMP Service Fees- Dispatch, A & B	\$0.00	\$0.00	\$0.00	\$0.00	\$3,617.91	\$7,140.3
B - City Rate Adjustment Added to Cost of Power	\$0.00	\$0.00	\$21,878.76	\$38,121.24	\$21,878.76	\$38,121.2
C - Outdoor Lght.Credit Reconciliation	-\$1,836.61	-\$3,200.09	\$0.00	\$0.00	-\$1,836.61	-\$3,200.0
FOTALS - ALL	-\$1,836.61	-\$3,200.09	\$21,878.76	\$38,121.24	\$401,765.47	\$700,031.4
RATIOS COMPUTATIONS (By Billed Demand and Energy):					DEMAND	ENERG
A - AMP Service Fees - Ratio Allocation (Excluding JV:					* ***	<u> </u>
Totals - AMP All Billing Costs by Demand and Energy (Ex					\$305,353.79	\$602,666.6
Ratios to Allocate AMP Service Fees					33.6285%	66.37159
3 - City Rate Adjustment - Ratio Allocation (To Total C						****
Totals - All Billing Costs both Demand and Energy					\$381,723.32	\$665,110.3
Ratios to Allocate City Rate Adjustment					36.4646%	63.53549
C - Outdoor Street Lights and Miscellaneou - Ratio Allo						
Totals - All Billing Costs both Demand and Energy					\$403,602.08	\$703,231.5
Ratios to Allocate City Rate Adjustment					36.4646%	63.53549
Other Cost and Reconciliation Items for Power Supply						
C - Outdoor Street Light Reconciliation Credit Comput Total Purchased Power Cost (Cost Per kWh, on Page 3)						
Total Outdoor Street Light kWh by Light Type (on Page 2)						
Net Allocated - Security Street Light Credit	-\$5,036.70				-\$1,836.61	-\$3,200.0
Less: Security Street Light Corrections (If Any)	\$0.00				\$0.00	φ0,200.0 <u>\$0.0</u>
Net Allocated - Security Street Light Credit	<u>\$0.00</u> -\$5.036.70				<u>-\$1,836.61</u>	<u>-\$3,200.0</u>

LECTRIC		MO	NTHLY BILLING DE	IERMINANIS			DETERMINAN
BILLING DETERMINA	ANTS for BIL	LING CYCLE	- AUGUST.	2013			
BILLING UNITS - ALLOCAT	FIONS OF kWH a	and DEMAND & E	ENERGY COSTS a	and RATE CALCU	JLATION		
BILLING UNITS - ALLOCAT	FION OF KWH &	DEMAND USEAG	GE BY CLASS				
CITY BILLIN	IG UNITS - PRIC	R MONTH'S DAT	ГА				
Days in AMP-Oh Bill Month	30	JUNE, 2013					
Coincidental Peak in Month	30,195	JUNE, 2013					
Days in Data Month	31	JULY, 2013					
(kWh G	1,G2, G3, & G4 ,	- kW D1 & D2)		С	ITY STREET LIGHTS		
	kWh	Metered kW	Billed kVa	Light	Number of	Monthly kWh	Total kWh
Cstmr. Class or Schedule	<u>Sales</u>	<u>Demand</u>	<u>Demand</u>	<u>Type</u>	<u>Lights</u>	<u>Per Light</u>	<u>by Light Type</u>
Residential (Domestic)	2,496,712	0		52W	3	17.16	51
Residential (Rural)	1,045,519	181		70W	87	23.10	2,010
Commercial (1P)	49,745	14		100W	487	33.00	16,07
Commercial (1P)(D)	339,549	2,123		150W 157W	58	49.50	2,871
Commercial (3P) Commercial (3P)(D)	240 1,839,707	<u> </u>		157W 250W	2 335	51.81 82.50	104 27,638
Large Power (D)	3,159,748	8,115		400W	105	132.00	13,860
Industrial (D)	3,145,132	5,480		40000	100	102.00	10,000
Interdepartmental	373,454	1,095	0,100				
Total kWh, kW and kVa	12,449,806	23,992	13,595		1,077		62,605
Verification Totals ->	12,449,806	23,992		Street Lights I	listing - Revised Per	Electric Superinten	dent on 12/19/2012
			ESS DEMAND CA				
	Α	B	C	D	E	F	
		(A / (24 X "Days in		(C - B)	D/"Tot.Excess Dmd	(B + E)	
W/h 9 Demond	Manthha	AMP Bill Month")	Factor")		X ("kW Load" -	System	
kWh & Demand w/Demand (Actual or Cal.)	Monthly kWh	Monthly	Cal. or Actual Maximum	Excess	Mthly.Avg.Dmd") Allocated Excess	kW Load Delivered	
<u>Cstmr. Class or Schedule</u>	Delivered	Average Demand	Demand	Demand	Demand	A & E	
Residential (Dom) (Cal. D)	2,496,712	3,468	6,227	2,759		5,771	
Residential (Rural) (Cal. D)	1,045,519	1,452	2,607	1,155	964	2,416	
Commercial (1P) (Cal. D)	49,745	69	124	55	46	115	
Commercial (1P) (Actual D)	339,549	472	2,123	1,651	1,378	1,850	
Commercial (3P) (Cal. D)	240	0	0	0	0	0	
Commercial (3P) (Actual D)	1,839,707	2,555	6,970	4,415	3,685	6,240	
Large Power (Actual D)	3,159,748	4,389	8,115	3,726	3,110	7,499	
Industrial (Actual D) Interdepartmental (Cal. D)	3,145,132 373,454	4,368 519		1,112 413	928 345	5,296 864	Va
	-						<u>va</u>
Total Billed System Demand	12,449,806	17,292					
Outdoor Lights	62,605		156				
Total System Demand	12,512,411	17,379					
System Load Factor:			(Total Sys.kW Load X	C24 X # Days In Data	Month)	30,195	<-Verification Total
		12512411 / (30195 x	(24 x 31)				

MONTHLY BILLING DETERMINANTS

			NTHLY BILLING DE				DETERMIN
BILLING DETERMIN	<u>IANTS for BIL</u>	<u>.LING CYCLE</u>	<u>- AUGUST,</u>	<u>2013</u>			
BILLING UNITS - ALLOCA	TIONS OF WH	and DEMAND & F	NERGY COSTS	and BATE CALCI			
ALLOCATION OF ENERG		COSTS					
		<u>CU313</u>					
ENERGY COST ALLOCATION							
Total Energy Cost (from Power I	Bills page):	\$700,031	\$700,031	<- Verification Total	- Variations Due To	Rounding	
	1.\\\/\		=========				
	kWh	Deve ent Alle este d	Allocated Dollars \$				
	Billing Units						
Res./Interdept. (G1):	3,915,685		\$220,174				
Commercial (G2):	2,229,241						
Large Power (G3):	3,159,748						
Industrial (G4):	3,145,132	25.2625%	\$176,844				
Fotal:	12,449,806	100.0000%	\$700,031	<- Verification Total	- Variations Due To	Rounding	
Verification Total ->	12,449,806		=========			Ŭ	
	, -,						
DEMAND COST ALLOCATION	:						
Total Demand Cost (from Power		\$401,765	\$401,765	<- Verification Total	- Variations Due To	Rounding	
Ŷ.	1 0 /		========			Ŭ	
	kW/KVA						
	Billing Units	Percent Allocated	Allocated Dollars \$				
Res./Interdept. (G1):	9,051	30.1188%	\$121,007				
Commercial (G2):	8,205	27.3036%	\$109,696				
Large Power (G3):	7,499	24.9542%	\$100,257				
Industrial (G4):	5,296	17.6234%	\$70,805				
Total:	30,051	100.0000%	¢401 765	<- Verification Total	Variationa Duo Ta	Pounding	
Verification Total ->	30,051			<- venincation rotal		nounuing	
vernication rotar->	30,050		========				
APPLIED GENERATION 8							
<u>MONTHLY K</u>	WH & DEMAND I	RATE CALCULAT	ION				
AUGUST, 2013	Allocated	Billing	PWR.RATES				
<u>A00001, 2010</u>	Costs	Units	CHARGED				
JV's Purchased Cost kWH to (<u>ente</u>					
JV2 Joint Venture Rate (JV2 E			\$0.00145				
JV5 Joint Venture Rate (JV5 E			\$0.00145				
X	0, ,,		+				
Generation Charge:							
Res./Interdept. (G1):	\$341,181						
Commercial (G2):	\$235,042						
Large Power (G3):	\$177,667		\$0.05623				
Industrial (G4):	\$176,844	3,145,132	\$0.05623				
Demand Charge:		12,449,806					
Large Power (D1):	\$100,257						
Industrial (D2):	\$70,805						
Total Billing & Unit Check:	<u>\$1,101,796</u>						
Verification of Billings & Units:	\$1,101,796						
Net Average City Cost of P							
Net Average Customer Cost	t of Billing per kWH fo	or Prior Billing Month:	\$0.10447				



AMERICAN MUNICIPAL POWER, INC.	INVOICE NUMBER:	178136
1111 Schrock Rd, Suite 100	INVOICE DATE:	7/16/2013
COLUMBUS, OHIO 43229	DUE DATE:	7/31/2013
PHONE: (614) 540-1111	TOTAL AMOUNT DUE:	\$910,267.32
FAX: (614) 540-1078	CUSTOMER NUMBER:	5020
	CUSTOMER P.O. #:	RG10046

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

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

Do Not Pay

Northern Power Pool Billing - June, 2013	1	Paid by E-Pay American Municipal Pwr, Inc. Ray Merrill
MUNICIPAL PEAK: TOTAL METERED ENERGY:	30,195 kW 13,844,391 kWh	614-540-1111 ext. 0914
Total Power Charges:		\$796,004.30
Total Transmission Charges:		\$103,504.56
Total Other Charges:		\$10,758.45
Total Miscellaneous Charges:		\$0.00

GRAND TOTAL POWER INVOICE:	\$910,267.32
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**The Total Charges on this invoice may include a credit paid to the Municipal for power supply which was invoiced separately and repurchased by AMP for use as a Northern Power Pool Resource.

DETAIL INFORMATION OF POWER CHARGES June , 2013 Napoleon

TIME OF FERTS PEAK: TRANSMISSION FEAK 06/25/2013 @ H.E. 15:00 06/25/2013 @ H.E. 15:00 07/27/2012 HE 16:00 EST COINCIDENT FEAK KW: TRANSMISSION FEAK KW: TRANSMISSIN	FOR THE MONTH OF:	June, 2013		Total Metered Load kWh: Transmission Losses kWh: Distribution Losses kWh:	13,844,391 -86,672 0
TRANSMISSION PEAK: 06/25/0113 (i H.E. 16:00 EST MUNICIPAL PEAK WI: 1 TRANSMISSION PEAK WI: 1 TRANSMISSION PEAK WI: 1 TRANSMISSION PEAK WI: 1 TRANSMISSION PEAK WI: 1 Napoleon Resources N 1 1 1 AMP CT- Sched & ATSI 5 5 5 5 2 Demard Charge: 5 1 5 5 5 2				Total Energy Req. kWh:	13,757,719
AMP C1 School @ ATSI 242 Demard Chargia: \$1,850000 /.WW* 12.400 WV = \$22,22 Energy Chargia: \$3,0000000 /.WW* 72,105 WM = \$23,000 Transmission: Credit: \$3,1850316 /.WW* 12.400 WV = \$23,72 Subboral 40,0107168 /.WW* 12.400 WV = \$23,72 Fremont school @ Fremont \$3,140000 /.WW* \$2,72,105 WM = \$27,72 Demard Chargia: \$3,140000 /.WW* \$3,77,70 \$4,77,700 \$3,77,700 Capacity Credit: \$3,000,717 WM* \$3,77,700 \$4,77,700	TIME OF MUNICIPAL PEAK:	06/25/2013 @ H.E. 16:00		MUNICIPAL PEAK KW: TRANSMISSION PEAK KW:	29,354 30,195 33,431 32,514
AMP C1 School @ ATSI 242 Demard Chargia: \$1,850000 /.WW* 12.400 WV = \$22,22 Energy Chargia: \$3,0000000 /.WW* 72,105 WM = \$23,000 Transmission: Credit: \$3,1850316 /.WW* 12.400 WV = \$23,72 Subboral 40,0107168 /.WW* 12.400 WV = \$23,72 Fremont school @ Fremont \$3,140000 /.WW* \$2,72,105 WM = \$27,72 Demard Chargia: \$3,140000 /.WW* \$3,77,70 \$4,77,700 \$3,77,700 Capacity Credit: \$3,000,717 WM* \$3,77,700 \$4,77,700	Napoleon Resources				
Energy Charge: \$0.000000 / KWn * 72.108 kWh = Transmission Credit: \$3.617855 / KW* *12.400 kW = \$52.32 Capacity Credit: \$3.017855 / KW* *12.400 kW = \$57.3 Fremont * * * \$52.7 Demad Charge: \$3.14000 / KW* *3.602.717 kWh = \$51.7 Demad Charge: \$3.04000 / KW* *3.602.717 kWh = \$51.7 Capacity Credit: \$3.03570 / KW* *3.602.717 kWh = \$51.7 Det Service \$50.75760 / kW* *3.602.717 kWh = \$51.7 Trainis State: Sched Subtroat \$0.055780 / kWh* *3.602.717 kWh = \$51.9 Frainis State: Sched Subtroat \$0.055780 / kWh* 3.602.717 kWh = \$52.0 Frainis State: Sched Subtroat \$0.055780 / kWh* 2.323.31 kWh = \$52.0 Parinis State: Sched Subtroat \$0.007719 / kWh* 2.323.31 kWh = \$52.0 Net Caropeston, Losses, FTR: \$0.007719 / kWh* 2.323.21 kWh = \$52	AMP CT - Sched @ ATSI				
Transmission Credit: \$1.885316 /.KW* -12.400 KW = -827. Capacity (Credit: \$3.140000 /.KW* -12.400 KW = -57. Ternont -sched Bremont Demand Charge: \$3.140000 /.KW* .8,602.717 KWh = . . Transmission Credit: \$0.003249 /.KWh* . <t< td=""><td>Demand Charge:</td><td>\$1.850000</td><td>/ kW *</td><td>12,400 kW =</td><td>\$22,940.00</td></t<>	Demand Charge:	\$1.850000	/ kW *	12,400 kW =	\$22,940.00
Capacity Credit: Statistical 40.017168 / KW* -12.00 KW = -57.7 Fremont - sched @ Fremont KW* 72.105 KWh = 57.7 Demand Charge: \$3.14000 / KW* 8,767 KW = \$27.7 Energy Charge: \$0.033570 / KW* 3.602.717 KWh = \$11.7 Capacity Credit: \$0.047164 / KW* 8,767 KW = \$37.7 Det Servicer \$0.055780 / KW* 8,767 KW = \$47.7 Adjustment for prior month: \$0.055780 / KW* 4,767 KW = \$42.0 Praine State Schward \$0.055780 / KW* 4,767 KW = \$42.0 Praine State Schward \$0.055780 / KW* 4,767 KW = \$42.0 Praine State Schward \$0.057780 / KW* 4,767 KW = \$42.0 Praine State Schward \$0.02719 / KWh* 2,23.321 KWh = \$22.0 Net Congestion, Losses, FTR: \$0.007719 / KWh* 2,33.231 KWh = \$24.4 Det Sarvice \$0.00828 / KWh* 2,33.231 KWh = \$24.4 <td></td> <td></td> <td></td> <td></td> <td>\$0.00</td>					\$0.00
Subotal 40.07188 / kWh 72,105 kWh 97,105 kWh 97,107 kWh 97,117,100 kWh 9					-\$23,005.92
Fremont 53.140000 / kWh * 3.767 kW = \$27.4 Energy Charge: \$0.032570 / kWh * 3.602,717 kWh = \$11.7 Capacity Credit: \$0.032570 / kWh * 3.602,717 kWh = \$11.7 Capacity Credit: \$0.032570 / kWh * 3.602,717 kWh = \$11.7 Dath Service \$0.057700 / kWh * 3.602,717 kWh = \$14.7 Dath Service \$5.057700 / kWh * 3.602,717 kWh = \$152.7 Prairie State - Sched @ PJMC \$4.22 Energy Charge: \$3.0007119 / kWh * 2.323,321 kWh = \$20.22 Demand Charge: \$3.000715 / kWh * 2.323,321 kWh = \$20.42 Dath Service \$22.12363 / kWh * 2.323,321 kWh = \$20.42 Transmission from PScI to PJM/MISO \$0.000628 / kWh * 2.323,321 kWh = \$20.42 Prairie State Replacement from Pool - sched @ PJMC Energy Charge: \$0.0006775 / kWh * \$21.81 Demand Charge: \$0.007775 / kWh * \$23.52 \$24.42		•			-\$7,661.41
Demand Charge: \$3.410000 / KWh 8,767 KW = \$277 Tenegy Charge: \$0.003270 / KWh 3,602.717 KWh = \$117.3 Capacity Credit: \$0.003249 / KWh - \$67.7 Debt Service \$5.047546 / KW - \$67.7 Debt Service \$5.047546 / KW - \$67.7 Adjustment for prior month: - - 51.07 \$67.7 Demand Charge: \$6.037500 / KWh 3,602.717 KWh = \$62.00 Demand Charge: \$6.005750 / KWh - \$2.32.321 KWh = \$52.00 Capacity Credit: \$6.027719 / KWh - \$2.32.321 KWh = \$52.00 Capacity Credit: \$6.027719 / KWh - \$2.32.321 KWh = \$52.00 Transmission from PSet to PJMMIISO \$0.002880 / KWh - \$2.32.321 KWh = \$52.00 Transmission from PSet to PJMMIISO \$0.002875 / KWh - \$2.32.321 KWh = \$52.40 Demand Charge: \$0.002875		-\$0.107168	/ KVVN *	72,105 KWh =	-\$7,727.33
Energy Charge: \$0.032570 / kWh * 3.602.717 kWh = \$11.7 Capapity Credit: \$0.031173 / kWh * 4.767 kW = \$77.1 Dett Service \$5.05746 / kWh * 4.767 kW = \$77.1 Dett Service \$5.05746 / kWh * 3.602.717 kWh = \$193.2 Praine State - Sched @ PJMC \$0.055760 / kWh * 2.4976 kW = \$42.2 Demand Charge: \$3.600719 / kWh * 2.323.21 kWh = \$20.0 Ontarge: \$3.000715 / kWh * 2.323.21 kWh = \$20.4 Dett Service \$2.327315 / kWh * 2.323.321 kWh = \$20.4 Transmission from PSIC to PJMMISO \$0.006288 / kWh * 2.323.321 kWh = \$20.4 Subtoral \$0.006288 / kWh * 2.323.321 kWh = \$20.4 Paile State Replacement from Pool - sched @ PJMC Energy Charge: \$0.007675 / kWh * \$23.321 kWh = \$20.4 Paile State Replacement from Pool - sched @ PJMC \$0.007675 / kWh * \$23.321 kWh = \$23.4 Urot Carge:		\$3,140000	/ k\\\/ *	8 767 kW -	\$27,528.38
Net Congestion, Losses, FTR: \$0 002249 / kWh * * * *	5				\$117,339.21
Capachy Credit: \$0.81173 / kW1 * -8.767 kW = -57. Debt Service \$5.047546 / kW1 * -8.767 kW -54.7 Subtoral \$0.055760 / kW1 * 3.602.777 kWh = 5193.3 Prairie State - Sched @ PJMC - 54.75467 / kW1 * 4.976 kW = 520.2 Demand Charge: \$0.0057760 / kW1 * 4.976 kW = 520.2 520.2 Net Congestion, Losses, FTR: \$0.007719 / kW1 * 2.323.321 kWh = 520.2 Subtoral \$0.008288 / kWh * 2.323.321 kWh = 520.2 Subtoral \$0.0088170 / kWh * 2.323.321 kWh = 520.4 Praine State Replacement from Pool - sched @ PJMC \$0.033552 / kWh * 817.815 kWh = \$53.0 Praine State Replacement from Pool - sched @ PJMC \$0.043576 / kWh * 817.815 kWh = \$53.0 Demand Charge: \$0.040557 / kWh * 817.815 kWh = \$53.0 Demand Charge: \$0.040557 / kW * \$33.0 Trasmission Grouti				-,,-	\$11,703.47
Adjustment for prior month: Subtoral S	-		/ kW *	-8,767 kW =	-\$7,111.56
Subtotal \$0.053780 / kWh * 3,602,717 kWh = \$133,7 Prairie State - Sched @ PJMC \$8,673407 / kWh * 3,602,717 kWh = \$42,0 Energy Charge: \$0.008715 / kWh * 2,323,321 kWh = \$520,0 Net Congestion, Losses, FTR: \$0.008715 / kWh * 4,376 kW \$111,0 Debt Service \$23,321 kWh * 4,376 kW \$111,0 \$151,0 Debt Service \$23,321 kWh * 4,376 kW \$111,1 Transmission from PSE to PJMMISO \$0.008288 / kWh * 2,323,21 kWh * \$111,1 Transmission from PSE to PJMMISO \$0.008288 / kWh * 2,323,21 kWh * \$114,1 Transmission from PSE to PJMMISO \$0.008770 / kWh * 2,323,21 kWh * \$114,1 Transmission from PSE to PJMMISO \$0.008770 / kWh * 2,323,21 kWh * \$214,4 Prairie State Replacement from Pool - sched @ PJMC \$0.003875 / kWh * 2,323,21 kWh * \$314,3 JV6 - Sched @ ATSI \$0.00801427 / kWh * \$17,4 kWh		\$5.047546	/ kW	8,767 kW	\$44,251.84
Praife State - Sched @ PJMC 9.100 Demand Charge: \$8.573407 / kWh * 2,323,321 kWh = \$242, Energy Charge: \$0.008715 / kWh * 2,323,321 kWh = \$200, Net Congestion, Losses, FTR: \$0.007719 / kWh * 4,976 kW = \$17, Capacity Credit: \$22,31263 / kWh * 4,976 kW = \$17, Transmission from PSEC to PJMMISO \$20,007280 / kWh * 4,976 kW = \$14, Transmission from PSEC to PJMMISO \$0.006280 / kWh * 2,323,321 kWh = \$224,7 Traine State Replacement from Pool - sched @ PJMC \$0.006280 / kWh * 2,323,321 kWh = \$224,7 Energy Charge: \$0.00727 / kWh * \$17,815 kWh = \$22,7 Subtotal \$0.0041427 / kWh * \$17,815 kWh = \$23,82 Demand Charge: \$0.007875 / kWh * \$300 kW \$33,81 Demand Charge: \$20,050677 / kW * \$300 kW \$34,42 Capacity Credit: \$0.040455 / kW * \$300 kW \$35,400 kW <t< td=""><td></td><td>. -</td><td></td><td></td><td>\$43.38</td></t<>		. -			\$43.38
Demand Charge: \$8,873407 / KW ⁺ 4,976 kW = 542,020 Energy Charge: \$0,008716 / KWh + 2,323,321 kWh = 520,020 Net Congestion, Losses, FTR: \$0,008716 / KWh + 4,976 kW = \$17,7 Capacity Credit: \$0,327815 / KW + 4,976 kW = \$17,1 Debt Service \$2,217236 / KW + 4,976 kW = \$11,1 Transmission from PSEC to PJMMISO \$0,008208 / KWh + 2,223,221 kWh = \$204,4 Subtotal \$0,008207 / KWh + \$17,815 kWh = \$204,6 Prairie State Replacement from Pool - sched @ PJMC Energy Charge: \$30,007875 / KWh + \$17,815 kWh = \$227,7 Net Congestion, Losses, FTR: \$0,007875 / KWh + \$17,815 kWh = \$33,00 kW Demand Charge: \$0,041427 / kWh + \$17,815 kWh = \$32,532 kWh Transmission Credit: \$0,040502 / kWh + \$30,0 kW = \$35,554,00 kW = \$35,552 kWh = <t< td=""><td></td><td>\$0.053780</td><td>/ kWh *</td><td>3,602,717 kWh =</td><td>\$193,754.73</td></t<>		\$0.053780	/ kWh *	3,602,717 kWh =	\$193,754.73
Energy Charge: \$0.008715 / kWh * 2,323,321 kWh = \$20,32719 Net Congestion, Losses, FTR: \$0.00719 / kWh * 4,976 kW = \$17,5 Capacity Credit: \$22,312363 / kWh * 4,976 kW = \$111,0 Debt Service \$22,312363 / kWh * 2,333,321 kWh * \$114,0 Transmission from PSEC to PJMMISO \$0.068170 / kWh * 2,333,321 kWh = \$204,0 Fairle State Replacement from Pool - sched @ PJMC \$0.033552 / kWh * 2,33,321 kWh = \$204,0 Energy Charge: \$0.003757 / kWh * 817,815 kWh = \$23,0 \$27,4 Net Congestion, Losses, FTR: \$0.003757 / kWh * 817,815 kWh = \$23,50 Demand Charge: \$0.041427 / kWh * 817,815 kWh = \$33,0 Demand Charge: \$0.440655 / kWh * 300 kW = \$32,50 Energy Charge: \$0.440655 / kWh * 23,592 kWh = \$32,50 Transmission Credit: \$0.008302 / kWh * 23,592 kWh = \$32,50 Demand Charge:		¢9 572407	/ 1/// *	4.076 1/1/1	\$42,661.27
Net Congestion, Losses, FTR: \$0.007719 / kWh *	5				\$20,246.90
Capacity Credit: \$0.327815 / KW -4.976 kW = -5.11 Dett Service \$22.31323 / KWh 2.323.321 kWh \$1111 Transmission from PSEC to PJM/MISO \$0.006288 / KWh 2.323.321 kWh \$214 Prairie State Replacement from Pool - sched @ PJMC \$0.03552 / KWh 2.323.321 kWh \$224 Energy Charge: \$0.003552 / KWh 817.815 kWh \$277 \$66 Subtotal \$0.041427 / KWh 817.815 kWh \$277 \$66 Grapacity Credit: \$0.041427 / kWh 817.815 kWh \$277 \$66 Demand Charge: 23.02 kWh \$33.0 \$23.52 kWh \$33.5 \$34.50 Capacity Credit: \$0.041427 / kWh 817.815 kWh \$35.52 \$35.52 kWh \$36.52 kWh \$36.5 kWh \$36	6, 6	-		2,020,021 KWII -	\$17,933.34
Transmission from PSEC to PJMMIISO \$0.006288 / W/h 2.323.321 kWh \$14.6 Subtotal \$0.088170 / kWh 2.323.321 kWh \$244.6 Prairie State Replacement from Pool - sched @ PJMC \$27.7 \$817.815 kWh \$27.7 Energy Charge: \$0.0033552 / kWh \$17.815 kWh \$27.7 Subtotal \$0.0041427 / kWh \$17.815 kWh \$27.7 Subtotal \$0.0041427 / kWh \$17.815 kWh \$27.7 Subtotal \$0.0041427 / kWh \$17.815 kWh \$33.1 Demand Charge: \$30.04152 \$30.04000 \$33.52 kWh \$33.52 kWh Energy Charge: \$2.5555436 / kWh \$35.555436 \$40555 \$400 kW \$35.555436 \$400 kW \$35.555436 <td>-</td> <td>-</td> <td></td> <td>-4,976 kW =</td> <td>-\$1,631.21</td>	-	-		-4,976 kW =	-\$1,631.21
Subtotal \$0.088170 / kWh * 2,323,321 kWh = \$2,024,8 Prairie State Replacement from Pool - sched @ PJMC \$0.033552 / kWh * 817,815 kWh = \$27,4 Net Congestion, Losses, FTR: \$0.007875 / kWh * 817,815 kWh = \$27,4 Subtotal \$0.007875 / kWh * 817,815 kWh = \$27,4 Subtotal \$0.007875 / kWh * 817,815 kWh = \$27,4 Subtotal \$0.007875 / kWh * 817,815 kWh = \$27,4 Demand Charge: 300 kW = \$33,8 \$33,8 Capacity Credit: \$0.440555 / kW * 300 kW = -\$3 Demand Charge: \$0.041427 / kWh * 23,592 kWh = -\$4 Demand Charge: \$0.005007 / kW * 944 kW = \$5,55543 Demand Charge: \$0.001847 / kWh * 438,979 kWh = \$52,55543 Demand Charge: \$0.0020312 / kWh * 30,88 kW \$53,55436 Demand Charge: \$0.020312 / kWh * \$22,23,800 kWh \$52,555436	Debt Service	\$22.312363	/ kW	4,976 kW	\$111,026.32
Prairie State Replacement from Pool - sched @ PJMC Substantial Subst	Transmission from PSEC to PJM/MISO	-			\$14,609.52
Energy Charge: \$0.033552 / kWh * 817,815 kWh = \$27,815 kWh = \$66,733,933,952 JV6 - Sched @ ATSI 0.007875 / kWh * 817,815 kWh = \$33,6 JV6 - Sched @ ATSI 0.001427 / kWh * 817,815 kWh = \$33,6 Demand Charge: 23,592 kWh 23,592 kWh 53,6 Transmission Credit: \$0.440555 / kW * 300 kW = \$5,5 Capacity Credit: \$0.055067 / kW * 300 kW = \$5,5 Demand Charge: \$5,55546 944 kW = \$5,5 Demand Charge: \$5,055466 / kWh * 944 kW = \$5,5 NYPA - Sched @ NYIS 0.002466 / kWh * \$43,879 kWh = \$5,5 Demand Charge: \$0.002466 / kWh * \$43,879 kWh = \$5,5 Net Congestion, Losses, FTR: \$0.002466 / kWh * \$2,308 kW \$5,5 Net Congestion, Losses, FTR: \$0.020312 / kWh * \$3,088 kW \$5,5 JV5 - 7X24 @ ATSI 223,308 kWh \$2,23,308 kWh \$5,5		-	/ kWh *	2,323,321 kWh =	\$204,846.15
Net Congestion, Lesses, FTR: \$0.007875 / Wh * \$62. Subtoral \$0.041427 / kWh * 817,815 kWh = \$33,6 JV6 - Sched @ ATSI 300 kW 23,582 kWh 23,582 kWh 533,6 Demand Charge: 23,592 kWh 23,582 kWh -300 kW = -35 Capacity Credit: \$0.0440555 / kWh * -300 kW = -35 NYPA - Sched @ NYIS -300 kW = -35 -300 kW = -35 Demand Charge: \$5,555436 / kWh * 2,592 kWh = -55 NYPA - Sched @ NYIS - - - -55 Demand Charge: \$5,555436 / kWh * 438,979 kWh = \$5,5 Net Congestion, Losses, FTR: -\$0.002466 / kWh * -944 kW = -51,6 Capacity Credit: \$0.80000 / kWh * 438,979 kWh = \$8,5 JV5 - 7X24 @ ATSI \$0.020312 / kWh * 436,979 kWh = \$8,5 JV5 - Tx24 @ ATSI \$0.003511 / kWh * -3,088 kW = -52,2 Subtotal \$0.					*
Subtotal \$0.041427 / kWh * 817,815 kWh = \$33,4 JV6 - Sched @ ATSI 300 kW Energy Charge: 300 kW 23,552 kWh 733,62 Transmission Credit: \$0.440555 / kW * -300 kW = -53 -53 Capacity Credit: \$0.440555 / kW * -300 kW = -53 -53 MYPA - Sched @ NYIS		-		817,815 KWN =	\$27,439.63 \$6,440.30
JV6 - Sched @ ATSI 300 kW Demand Charge: 300 kW Transmission Credit: \$0.440555 / kW * -300 kW = -5; Capacity Credit: \$0.055067 / kW * -300 kW = -5; Subtotal -\$0.006502 / kWh * -300 kW = -5; Demand Charge: \$5.555436 / kWh * 23,552 kWh = -5; Demand Charge: \$0.011847 / kWh * 438,979 kWh = -5; Energy Charge: \$0.020466 / kWh * -944 kW = -5; Adjustment for prior month: \$0.840000 / kWh * -944 kW = -5; JV5 - 7X24 @ ATSI \$0.020312 / kWh * 438,979 kWh = \$8,5 JV5 - TX24 @ ATSI \$0.03011 \$0.03011 / kWh * -3,088 kW = -5; 2, Capacity Credit: \$1.688235 / kWh * 2,233,80 kWh = -5; 7, JV5 Losses - Sched @ ATSI \$2,338 kWh = -5; 7, JV5 Losses - Sched @ ATSI \$2,338 kWh = -5; 7, 5; 3,34870 / kWh * 2,338 kWh = Demand Charge: \$0.006580 / kWh * 2,238 kWh = <td></td> <td></td> <td></td> <td>817 815 kWb -</td> <td>\$33,879.93</td>				817 815 kWb -	\$33,879.93
Demand Charge: 300 kW Energy Charge: 23,592 kWh Transmission Credit: \$0.440555 / kW * -300 kW = -53 Capacity Credit: \$0.065002 / kW * -300 kW = -53 Subtotal -\$0.006302 / kW * -300 kW = -53 NYPA - Sched @ NYIS - - - - -53 Demand Charge: \$5.555436 / kW * 944 kW = -55,2 Net Congestion, Losses, FTR: -50.002466 / kWh * -343,879 kWh = -54,2 Adjustment for prior month: - - - - - - Subtotal \$0.020312 / kWh * 438,979 kWh = - <td></td> <td>\$0.041427</td> <td>7 KM</td> <td>017,010 km =</td> <td>400,010.00</td>		\$0.041427	7 KM	017,010 km =	400,010.00
Transmission Credit: \$0.440555 / kW * -300 kW = -50 Capacity Credit: \$0.065067 / kW * -300 kW = -50 NYPA - Sched @ NYIS 23,592 kWh = -51 Demand Charge: \$5,555436 / kW * 944 kW = \$5,55 Interpret Charge: \$0.011847 / kWh * 944 kW = \$5,55 Net Congestion, Losses, FTR: -\$0.002466 / kWh * -\$11,002466 -\$11,002466 Capacity Credit: \$0.80000 / kW * -944 kW = -\$51,002466 -\$11,002466				300 kW	
Capacity Credit: \$0.055067 / kW * -300 kW = -30 Subtotal -\$0.06502 / kWh * 23,592 kWh = -\$1 Part A Sched @ NVIS Statum -300 kW = -\$1 Demand Charge: \$5,55436 / kWh * 944 kW = \$5,5 Energy Charge: \$0.011847 / kWh * 438,979 kWh = \$5,5 Net Congestion, Losses, FTR: -\$0.002466 / kWh * -344 kW = -\$1,1 Capacity Credit: \$0.020312 / kWh * -944 kW = -\$3,0 Adjustment for prior month: \$0.020312 / kWh * -30,088 kW = -\$2,2 JV5 - 7X24 @ ATSI Subtotal \$0.020312 / kWh * -3,088 kW = -\$5,2 Demand Charge: \$1.688235 / kW * -3,088 kW = -\$2,2 JV5 Losses - Sched @ ATSI \$2,338 kWh = -\$2,2 -\$2,350 kWh = -\$2,2 JV2 - Sched @ ATSI \$2,338 kWh = 2,23,350 kWh = -\$2,2 Demand Charge: \$2,000580 / kWh * 32,338 kWh = -\$2,2 <td>Energy Charge:</td> <td></td> <td></td> <td>23,592 kWh</td> <td></td>	Energy Charge:			23,592 kWh	
Subtotal -\$0.006302 / kWh * 23,592 kWh = -\$1 NYPA - Sched @ NYIS Demand Charge: \$5.555436 / kW * 944 kW = \$5.7 Demand Charge: \$0.011847 / kWh * 438,979 kWh = \$5.7 Capacity Credit: \$0.02466 / kWh * -944 kW = -\$1.7 Capacity Credit: \$0.840000 / kW * -944 kW = -\$5.7 Adjustment for prior month: \$0.840000 / kW * -944 kW = -\$5.7 Adjustment for prior month: \$0.20312 / kWh * 438,979 kWh = \$5.7 Demand Charge: \$0.20312 / kWh * 438,979 kWh = \$5.7 Demand Charge: \$0.20312 / kWh * 438,979 kWh = \$5.7 Demand Charge: \$0.20312 / kWh * 438,979 kWh = \$5.7 Capacity Credit: \$0.20312 / kWh * 438,979 kWh = \$5.7 Capacity Credit: \$0.840000 / kW * -\$0.88 kW = \$5.7 Capacity Credit: \$0.840000 / kW * 2.223,360 k		-			-\$132.17
NYPA - Sched @ NYIS 944 kW = \$5,5 Demand Charge: \$0,011847 / kW * 944 kW = \$5,7 Energy Charge: \$0,011847 / kW * 944 kW = \$5,7 Net Congestion, Losses, FTR: \$0,001846 / kW * 438,979 kW = \$5,7 Adjustment for prior month: \$0,840000 / kW * -944 kW = -\$1,7 Adjustment for prior month: \$0,840000 / kW * -944 kW = -\$5,7 JV5 - 7X24 @ ATSI \$0,020312 / kW * -944 kW = -\$5,7 Demand Charge: 3,088 kW \$2,223,360 kWh \$2,233,60 kWh Transmission Credit: \$1,688235 / kW * -3,088 kW = -\$2,2,5 Capacity Credit: \$1,688235 / kW * -3,088 kW = -\$2,2,5 Capacity Credit: \$1,688235 / kW * -3,088 kW = -\$2,2,5 JV5 Losses - Sched @ ATSI \$2,23,360 kWh = -\$2,2,5 \$2,338 kWh \$32,338 kWh JV2 - Sched @ ATSI \$2,338 kWh \$2,338 kWh \$32,338 kWh \$32,338 kWh \$32,338 kWh					-\$16.52
Demand Charge: \$5.555436 / kW* 944 kW = \$5,5 Energy Charge: \$0.011847 / kWh* 438,979 kWh = \$5,5 Net Congestion, Losses, FTR: \$0.840000 / kW* -944 kW = -\$1,0 Capacity Credit: \$0.840000 / kW* -944 kW = -\$1,0 Adjustment for prior month:		-\$0.006302	/ kWh *	23,592 kWh =	-\$148.69
Energy Charge: \$0.011847 / kWh * 438,979 kWh = \$5,2 Net Congestion, Losses, FTR: -\$0.002466 / kWh * -\$11,0 Capacity Credit: \$0.840000 / kW * -944 kW = -\$11,0 Adjustment for prior month: - - -944 kW = -\$11,0 JV5 - 7X24 @ ATSI - - - - Demand Charge: 2,223,360 kWh - - - Capacity Credit: \$1.688235 / kW * -3,088 kW - -\$5,2 Capacity Credit: \$1.688235 / kW * -3,088 kW = -\$5,2 Capacity Credit: \$1.688235 / kW * -3,088 kW = -\$5,2 Capacity Credit: \$1.688235 / kW * -3,088 kW = -\$5,2 JV5 Losses - Sched @ ATSI - - -\$1,003511 / kWh * 2,23360 kWh = -\$2,73 JV2 - Sched @ ATSI - - - - -\$1,003511 / kWh * 32,338 kWh = -\$2,73 JV2 - Sched @ ATSI - - - -\$2,64 kW -\$1,040 kW -\$2,64 kW = -\$2,52	· · · · · · · · · · · · · · · · · · ·	\$5 555/36	/ K// *	944 kW -	\$5,244.33
Net Congestion, Losses, FTR: -\$0.002466 / kWh * -\$1,(Capacity Credit: \$0.840000 / kW * -944 kW = -\$1,(Adjustment for prior month: \$0.020312 / kWh * 438,979 kWh = \$8,5 JV5 - 7X24 @ ATSI \$0.020312 / kWh * 438,979 kWh = \$8,5 Demand Charge: 3.088 kW \$0.223,360 kWh \$0.223,360 kWh \$0.223,360 kWh Transmission Credit: \$1.688235 / kW * -3,088 kW = -\$5,2,6 Capacity Credit: \$0.840000 / kW * -3,088 kW = -\$5,2,6 Subtotal \$0.840000 / kW * -3,088 kW = -\$5,2,6 JV5 Losses - Sched @ ATSI \$0.840000 / kW * 2,223,360 kWh = -\$7,7,8 JV2 - Sched @ ATSI \$1000511 / kWh * \$2,338 kWh = JV2 JV2 - Sched @ ATSI \$2,046 kW * \$2,338 kWh = JV2 \$2,338 kWh = \$2,338 kWh = JV2 JV2 - Sched @ ATSI \$2,006580 / kW * \$4 kWh = -\$2,52,52,52,52,52,52,52,52,52,52,52,52,52	5	-			\$5,200.43
Capacity Credit: \$0.840000 / kW * -944 kW = -\$57 Adjustment for prior month: \$		• • • •			-\$1,082.43
Subtotal \$0.020312 / kWh * 438,979 kWh = \$8,5 JV5 - 7X24 @ ATSI 0 3,088 kW 3,088 kW 5 Demand Charge: 2,223,360 kWh 2,223,360 kWh 5 Transmission Credit: \$1.688235 / kW * -3,088 kW = -\$5,2,308 kW = Capacity Credit: \$0.840000 / kW * -3,088 kW = -\$2,2 Subtotal -\$0.003511 / kWh * 2,223,360 kWh = -\$2,2 JV5 Losses - Sched @ ATSI \$0.840000 / kWh * 2,223,360 kWh = -\$2,2 JV5 Losses - Sched @ ATSI \$2,338 kWh \$2,338 kWh \$2,338 kWh \$2,338 kWh JV2 - Sched @ ATSI \$2,338 kWh = \$2,338 kWh = \$2,338 kWh = \$2,338 kWh = JV2 - Sched @ ATSI \$0.006580 / kWh * 32,338 kWh = \$2,64 kW \$2,64 kW = \$2,64 kW = \$3,0760973 \$2,64 kW = \$3,0760973 \$2,64 kW = \$3,0760973 \$2,64 kW = \$3,0760973 \$2,64 kW = \$3,04000 \$4,040 kW \$4,040 kW = \$3,04000 \$2,040 kW = \$3,04000 \$2,44 kWh =<	u	\$0.840000	/ kW *	-944 kW =	-\$792.96
JV5 - 7X24 @ ATSI 3,088 kW Demand Charge: 3,088 kW Energy Charge: 2,223,360 kWh Transmission Credit: \$1.688235 / kW * -3,088 kW = Capacity Credit: \$0.840000 / kW * -3,088 kW = Subtotal -\$0.003511 / kWh * 2,223,360 kWh = JV5 Losses - Sched @ ATSI -\$0.003511 / kWh * 2,223,360 kWh = Subtotal -\$0.003511 / kWh * 2,223,360 kWh = JV5 Losses - Sched @ ATSI 32,338 kWh = -\$7,5 Energy Charge: 32,338 kWh = -\$264 kW Energy Charge: \$0.006580 / kWh * 84 kWh = Transmission Credit: \$1.345870 / kW * -264 kW = -\$25 Capacity Credit: \$0.760973 / kW * -264 kW = -\$25 Subtotal -\$6.577633 / kWh * 84 kWh = -\$25 Mapoleon Solar - sched @ ATSI -\$0.085000 / kWh * 182,144 kWh = \$15,4 Demand Charge: \$0.085000 / kWh * 182,144 kWh = \$15,4 AMPGS Replacement 2013 5x16 - 5x16 @ AD \$0.085000 / kWh * 182,144 kWh = \$15,4					\$347.19
Demand Charge: 3,088 kW Energy Charge: 2,223,360 kWh Transmission Credit: \$1.688235 / kW * -3,088 kW = -\$5,2 Capacity Credit: \$0.840000 / kW * -3,088 kW = -\$5,2 Capacity Credit: \$0.840000 / kW * -3,088 kW = -\$5,2 Capacity Credit: \$0.003511 / kW * -3,088 kW = -\$2,2 JV5 Losses - Sched @ ATSI -\$0.003511 / kWh * 2,223,360 kWh = -\$7,6 JV2 - Sched @ ATSI		\$0.020312	/ kWh *	438,979 kWh =	\$8,916.57
Energy Charge: 2,223,360 kWh Transmission Credit: \$1.688235 / kW * -3,088 kW = -\$5,2 Capacity Credit: \$0.840000 / kW * -3,088 kW = -\$2,2 Subtotal -\$0.003511 / kWh * 2,223,360 kWh = -\$2,2 JV5 Losses - Sched @ ATSI - - -\$2,23,360 kWh = -\$2,2 JV5 Losses - Sched @ ATSI - - -\$2,338 kWh = -\$2,23,380 kWh = -\$2,250 kWh = -\$				2 088 PM	
Transmission Credit: \$1.688235 / kW * -3,088 kW = -\$5,2,5 Capacity Credit: \$0.840000 / kW * -3,088 kW = -\$2,5 Subtotal -\$0.003511 / kW * -3,088 kW = -\$2,5 Subtotal -\$0.003511 / kW * -3,088 kW = -\$2,5 JV5 Losses - Sched @ ATSI Energy Charge: 32,338 kWh = -\$7,8 JV2 - Sched @ ATSI Demand Charge: 264 kW 264 kW Energy Charge: \$0.006580 / kWh * 84 kWh = -\$3,238 kWh Transmission Credit: \$1.345870 / kW * -264 kW = -\$3,238 kWh Transmission Credit: \$0.006580 / kWh * 84 kWh = -\$3,238 kWh = -\$3,238 kWh = -\$3,238 kWh = -\$3,238 kWh = -\$3,238 kWh = -\$3,238 kWh = -\$3,238 kWh = -\$3,238 kWh = -\$3,238 kWh = -\$3,238 kWh = -\$3,238 kWh = -\$3,238 kWh = -\$3,238 kWh = -\$3,238 kWh = -\$3,238 kWh = <td>5</td> <td></td> <td></td> <td></td> <td></td>	5				
Capacity Credit: \$0.840000 / kW * -3,088 kW = -\$2,5 Subtotal -\$0.003511 / kW h * 2,223,360 kWh = -\$7,6 JV5 Losses - Sched @ ATSI Energy Charge: 32,338 kWh - - Subtotal #N/A / kWh * 32,338 kWh = - JV2 - Sched @ ATSI - - - - Demand Charge: 264 kW - - - - Transmission Credit: \$1.345870 / kW * -264 kW = -\$\$ Capacity Credit: \$0.06580 / kW * -264 kW = -\$\$ Capacity Credit: \$0.065973 / kW * -264 kW = -\$\$ Subtotal -\$6.577633 / kW * -264 kW = -\$\$ Napoleon Solar - sched @ ATSI - - -\$\$ Demand Charge: 1,040 kW - -\$\$ Energy Charge: \$0.085000 / kWh * 182,144 kWh = \$15,4 MPGS Replacement 2013 5x16 - 5x16 @ AD \$0.085000 / kWh * 182,144 kWh = \$15,4		\$1.688235	/ kW *		-\$5,213.27
Subtotal -\$0.003511 / kWh * 2,223,360 kWh = -\$7,5 JV5 Losses - Sched @ ATSI Energy Charge: 32,338 kWh \$2,44 kWh \$2,64 kW \$15,4 \$15,4 Napoleon Solar - sched @ ATSI Subtotal \$0.085000 \$kWh * 182,144 kWh \$15,4 Demand Charge: \$0.085000					-\$2,593.92
Energy Charge: 32,338 kWh Subtotal #N/A / kWh * 32,338 kWh = JV2 - Sched @ ATSI 264 kW Demand Charge: 264 kW Energy Charge: \$0.006580 / kWh * 84 kWh = Transmission Credit: \$1.345870 / kW * -264 kW = -\$52 Capacity Credit: \$0.760973 / kW * -264 kW = -\$52 Subtotal -\$6.577633 / kWh * 84 kWh = -\$52 Napoleon Solar - sched @ ATSI Demand Charge: 1,040 kW = \$15,4 Demand Charge: \$0.085000 / kWh * 182,144 kWh = \$15,4 AMPGS Replacement 2013 5x16 - 5x16 @ AD \$0.085000 / kWh * 182,144 kWh = \$15,4		-\$0.003511	/ kWh *	2,223,360 kWh =	-\$7,807.19
Subtotal #N/A / kWh * 32,338 kWh = JV2 - Sched @ ATSI Demand Charge: 264 kW Energy Charge: \$0.006580 / kWh * 84 kWh = Transmission Credit: \$1.345870 / kW * -264 kW = Capacity Credit: \$0.760973 / kW * -264 kW = -\$52 Subtotal \$0.760973 / kW * -264 kW = -\$52 Napoleon Solar - sched @ ATSI \$0.760373 / kWh * 84 kWh = -\$52 Napoleon Solar - sched @ ATSI \$0.085000 / kWh * 182,144 kWh = \$15,4 MPGS Replacement 2013 5x16 - 5x16 @ AD \$0.085000 / kWh * 182,144 kWh = \$15,4					
JV2 - Sched @ ATSI 264 kW Demand Charge: \$0.006580 / kWh * 84 kWh = Transmission Credit: \$1.345870 / kW * -264 kW = -\$\$ Capacity Credit: \$0.760973 / kW * -264 kW = -\$\$ Subtotal -\$6.577633 / kWh * 84 kWh = -\$\$ Napoleon Solar - sched @ ATSI Demand Charge: 1,040 kW -\$\$ Demand Charge: \$0.085000 / kWh * 182,144 kWh = \$\$15,4 MPGS Replacement 2013 5x16 - 5x16 @ AD \$ \$ \$\$15,4					
Demand Charge: 264 kW Energy Charge: \$0.006580 / kWh * 84 kWh = Transmission Credit: \$1.345870 / kW * -264 kW = -\$32 Capacity Credit: \$0.760973 / kW * -264 kW = -\$32 Capacity Credit: \$0.760973 / kW * -264 kW = -\$32 Subtotal -\$66.577633 / kWh * 84 kWh = -\$32 Napoleon Solar - sched @ ATSI Energy Charge: 1,040 kW = \$15,4 Demand Charge: \$0.085000 / kWh * 182,144 kWh = \$15,4 AMPGS Replacement 2013 5x16 - 5x16 @ AD \$0.085000 / kWh * 182,144 kWh = \$15,4		#N/A	/ kWh *	32,338 kWh =	\$0.00
Energy Charge: \$0.006580 / kWh * 84 kWh = Transmission Credit: \$1.345870 / kW * -264 kW = -\$0 Capacity Credit: \$0.760973 / kW * -264 kW = -\$0 Subtotal -\$6.577633 / kW * -264 kW = -\$2 Napoleon Solar - sched @ ATSI				264 kW	
Transmission Credit: \$1.345870 / kW * -264 kW = -\$52 Capacity Credit: \$0.760973 / kW * -264 kW = -\$52 Subtotal -\$6.577633 / kW * -264 kW = -\$52 Napoleon Solar - sched @ ATSI Demand Charge: 1,040 kW -\$52 Energy Charge: \$0.085000 / kWh * 182,144 kWh = \$15,4 Subtotal \$0.085000 / kWh * 182,144 kWh = \$15,4 AMPGS Replacement 2013 5x16 - 5x16 @ AD \$ \$ \$ \$	0	\$0.006580	/ kWh *		\$0.56
Capacity Credit: \$0.760973 / kW * -264 kW = -52 Subtotal -\$6.577633 / kWh * 84 kWh = -52 Napoleon Solar - sched @ ATSI Demand Charge: 1,040 kW 182,144 kWh = \$15,4 Subtotal \$0.085000 / kWh * 182,144 kWh = \$15,4 AMPGS Replacement 2013 5x16 - 5x16 @ AD \$15,4 \$15,4					-\$355.31
Napoleon Solar - sched @ ATSI 1,040 kW Demand Charge: 1,040 kW Energy Charge: \$0.085000 / kWh * 182,144 kWh = \$15,4 Subtotal \$0.085000 / kWh * 182,144 kWh = \$15,4 AMPGS Replacement 2013 5x16 - 5x16 @ AD \$15,4 \$15,4 \$15,4					-\$200.90
Demand Charge: 1,040 kW Energy Charge: \$0.085000 / kWh * 182,144 kWh = \$15,4 Subtotal \$0.085000 / kWh * 182,144 kWh = \$15,4 AMPGS Replacement 2013 5x16 - 5x16 @ AD \$10,000 / kWh * 182,144 kWh = \$15,4		-\$6.577633	/ kWh *	84 kWh =	-\$555.65
Energy Charge: \$0.085000 / kWh * 182,144 kWh = \$15,4 Subtotal \$0.085000 / kWh * 182,144 kWh = \$15,4 AMPGS Replacement 2013 5x16 - 5x16 @ AD \$15,4 \$15,4 \$15,4	•				
Subtotal \$0.085000 / kWh * 182,144 kWh = \$15,4 AMPGS Replacement 2013 5x16 - 5x16 @ AD \$15,4 \$15,4 \$15,4 \$15,4	0	A A AA F AAA	(134/1 *		M45 400 54
AMPGS Replacement 2013 5x16 - 5x16 @ AD					\$15,482.21
•		\$0.0690.06	/ KVV() "	102,144 KWN =	\$15,482.21
	Demand Charge:			5,000 kW	

DETAIL INFORMATION OF POWER CHARGES June , 2013 Napoleon

Energy Charge:	\$0.069210	/ kWh *	1,600,000 kWh =	\$110,736.00
Net Congestion, Losses, FTR:	\$0.001652	/ kWh *		\$2,643.2
Subtotal	\$0.070862	/ kWh *	1,600,000 kWh =	\$113,379.2
AMPGS Replacement 2013 7x24 - 7x24 @ AD				
Demand Charge:			7,000 kW	
Energy Charge:	\$0.059750	/ kWh *	5,040,000 kWh =	\$301,140.0
Net Congestion, Losses, FTR:	\$0.001360	/ kWh *		\$6,853.5
Subtotal	\$0.061110	/ kWh *	5,040,000 kWh =	\$307,993.5
EFFICIENCY SMART POWER PLANT				
ESPP charges @ \$3.095 /MWh x 147,987.5 MWh / 12				\$38,168.4
Subtotal				\$38,168.43
Northern Power Pool:				
On Peak Energy Charge: (M-F HE 08-23 EDT)	\$0.003292	/ kWh *	18,485 kWh =	\$60.8
Off Peak Energy Charge:	\$0.001179	/ kWh *	126,305 kWh =	\$148.9
Sale of Excess Non-Pool Resources to Pool	\$0.038049	/ kWh *	-2,743,527 kWh =	-\$104,387.4
Subtotal	\$0.040088	/ kWh *	-2,598,737 kWh =	-\$104,177.7
Fotal Demand Charges:				\$204,937.0
Total Energy Charges:				\$591,067.2
Total Power Charges:			13,757,719 kWh	\$796,004.3
TRANSMISSION CHARGES:				
Demand Charge:	\$1,706248	/ kW *	33.431 kW =	\$57.041.5
Energy Charge:	\$0.000624	/ kWh *	11,534,359 kWh =	\$7,199.5
RPM (Capacity) Charges:	\$1.207600	/ kW *	32,514 kW =	\$39,263.42
TOTAL TRANSMISSION CHARGES:	\$0.008974	/ kWh *	11,534,359 kWh =	\$103,504.50
Dispatch Center Charges:	\$0.000106	/ kWh *	13,844,391 kWh =	\$1,460.67
Service Fee Part A,	\$0.000100	,		ψ1,100.0
Based on Annual Municipal Sales	\$0.000204	/ kWh *	156,027,853 kWh 1/12 =	\$2,652.4
Service Fee Part B.	\$01000 <u>2</u> 01	,		\$2,002.1
Energy Purchases	\$0.000480	/kWh *	13,844,391 kWh =	\$6,645.3
TOTAL OTHER CHARGES:				\$10,758.4

GRAND TOTAL POWER INVOICE:

\$910,267.32

	Saturday 6/1/2013				Vednesday				Sunday i	Monday	Tuesday '	Nednesday	Thursdav I	Enday 5	Saturday	
	0/1/2013	6/2/2013	6/3/2013	6/4/2013	6/5/2013	6/6/2013	6/7/2013	6/8/2013	6/9/2013	6/10/2013	6/11/2013	6/12/2013	6/13/2013	6/14/2013	6/15/2013	
100	15,362	13,598	15,168	15,582	15,638	15,573	15,495	13,350	12,579	16.367	17,098	18,242	10 457	17 400		
200	14,509	13,052	14,756	15,219	15,254	15,080	15,063	12,893	12,107	16,162	16,716	17.816	18,457 17,968	17,139	14,004	
300	14,090	12,805	14,469	14,926	14,644	14,793	14,830	12,708	11,825	15,730	16,220	17,407		16,667	13,518	
400	14,028	12,364	15,062	15,112	14,825	15,003	15,103	12,632	11,764	16,088	16,525	17,433	17,238	16,314	13,135	
500	14,288	12,204	15,633	15,770	15,540	15,736	15,736	12,914	11,850	16,999	17,325		17,164	16,218	13,141	
600	14,405	11,952	15,787	16,232	15,890	16,335	16,038	12,708	11,684	17,783	17,803	17.956	17,938	17,093	13,259	
700	15,010	12,602	17,262	17 717	17,433	17,438	17,285	13,659	12,328	19,182	19,272	18,703	18,894	17,386	12,757	
800	15,930	13.302	18,440	18,767	18,652	18,597	18,397	14,629	13,006	20,473	20,596	20,119	20,304	18,743	13,480	
900	17,072	14,234	19,218	18,986	19,565	18,920	18,948	15,290	13,709	21,205	21,689	21,363	21,144	20,320	14,625	
1000	17,682	14,733	20,092	19,590	20,080	19,107	19,377	15,560	14,414	21,806		22,205	21,426	21,319	15,474	
1100	18,168	14,933	20,229	20.048	20,152	19,041	19,522	15,564	14,980	22,183	22,618	22,829	21,865	22,054	16,304	
1200	18,615	15,398	20,420	20,462	20,447	19,024	19,632	15,710	15,466		23,124	23,175	22,188	21,956	16,906	
1300	18,848	15,110	20,374	20,622	21,138	19,160	19,342	15,719		22,298	23,669	24,203	22,763	21,981	17,392	
1400	18,598	14,933	20,172	20,370	20,955	19,288	19,019	15,719	15,872	22,017	24,597	24,889	22,941	22,126	18,006	
1500	18,403	15,050	19,726	20,313	20,749	19,363	18,588	15,630	15,900	20,163	24,872	25,113	23,247	22,474	17,643	
1600	18,005	15,354	19,305	20,075	20,690	19,353	18,366		16,654	21,701	24,762	25,327	23,083	22,400	17,093	
1700	17,850	15,764	18,807	19,498	19,976	19,205	17,480	15,931	17,432	21,715	24,888	25,542	22,979	22,039	16.562	
1800	17,626	15,569	18,605	18 970	19,184	18,741		15,796	17,426	21,365	24,480	25,861	22,317	21,264	16,472	
1900	17,087	15,127	18,433	18,575	18,517	18,741	17,042	15,613	17 249	20,817	23,837	25,501	21,836	20,763	16,307	
2000	17,086	14,930	18,091	18,418	18,372	18,049	16,505	15,495	17.154	20,223	23,418	24,911	20,773	20,108	16,229	
2100	17,604	15,610	18,651	19,056	18,798		16,557	15,105	17,469	19,924	23,014	24,735	20,208	19,704	16,106	
2200	16,916	15,724	18,278	18,350	18,364	18,621	17,299	15,852	18,070	19,864	23,248	23,113	20,308	19,947	16,535	
2300	15,576	15,607	17,117	17,128		18,255	16,685	15,653	17,456	19,226	22,192	21,990	20,121	18,952	16,240	
2400	14,625	15,678	16,296	16,340	17,025	17,194	15,080	14,315	17,214	18,313	20,651	20,373	19,040	16,970	15,048	
00	14,02.0	10,010	10,230	10,340	16,142	16,300	13,936	13,248	16,864	17,461	19,050	19,176	17,997	15,141	14,127	
ał	397,383	345,633	430,391	436,126	421,888	426,186	411,220	351,607	360,472	469.065	511 664	527 982	492 199	469.078	370 363	
al							,			469,065	511,664	527,982	492, 199	469,078	370,363	
5	Sunday i	Monday T	uesday	Wednesday T	hursday F	-riday .	, Saturday	Sunday I	Vionday -	l'uesday	Wednesday		Fnday :			Monday
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e 17	6/16/2013	Monday T 6/17/2013	uesday 6/18/2013	Wednesday T 6/19/2013	hursday F 6/20/2013	Friday 6/21/2013	, Saturday 5 6/22/2013	Sunday 1 6/23/2013	Vonday 6/24/2013	Tuesday 6/25/2013	Wednesday 6/26/2013	hursday 6/27/2013	Fnday :	Saturday S	Sunday	
е л 100	unday i 6/16/2013 13,492	Monday T 6/17/2013 17,089	uesday 6/18/2013 18,616	Wednesday T 6/19/2013 16,525	hursday F 6/20/2013 16,514	Friday 5/21/2013 17,523	, Saturday 5 6/22/2013 16,593	Sunday 1 6/23/2013 15,293	Monday	Tuesday 6/25/2013 19,795	Wednesday 6/26/2013 19,333	hursday 6/27/2013 18,966	Fnday :	Saturday S	Sunday	
э т 100 200	Gunday i 6/16/2013 13,492 13,150	Monday T 6/17/2013 17,089 16,581	uesday 7 6/18/2013 18,616 18,014	Wednesday T 6/19/2013 16,525 15,922	hursday F 6/20/2013 16,514 16,065	Friday 5/21/2013 6/21/2013 17,523 17,194	Saturday 6/22/2013 16,593 16,367	Sunday 1 6/23/2013 15,293 14,536	Monday 6/24/2013 18,758 18,136	Tuesday 6/25/2013 19,795 19,150	Wednesday 6/26/2013 19,333 18,850	hursday 6/27/2013	Friday 5/28/2013	Saturday 5 6/29/2013	Sunday 6/30/2013	
e r 100 200 300	Sunday 1 6/16/2013 13,492 13,150 12,938	Monday T 6/17/2013 17,089 16,581 16,114	uesday 6/18/2013 18,616 18,014 17,583	Wednesday T 6/19/2013 16,525 15,922 15,645	hursday f 6/20/2013 16,514 16,065 15,924	Friday 5/21/2013 6/21/2013 17,523 17,194 16,876	Saturday 6/22/2013 16,593 16,367 15,852	Sunday / 6/23/2013 15,293 14,536 14,188	Monday 6/24/2013 18,758 18,136 18,047	Tuesday 6/25/2013 19,795 19,150 18,579	Wednesday 6/26/2013 19,333 18,850 18,356	hursday 6/27/2013 18,966	Fnday (6/28/2013 19,592	Saturday 5 6/29/2013 14,331	Sunday 5 6/30/2013 13,307	
e 1100 200 300 400	Sunday 1 6/16/2013 13,492 13,150 12,938 12,755	Monday T 6/17/2013 17,089 16,581 16,114 16,336	uesday 5 6/18/2013 18,616 18,014 17,583 17,383	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023	hursday f 6/20/2013 16,514 16,065 15,924 16,005	Friday 6/21/2013 17,523 17,194 16,876 16,831	5aturday 6/22/2013 16,593 16,367 15,852 15,389	Sunday / 6/23/2013 15,293 14,536 14,188 13,672	Monday 6/24/2013 18,758 18,136 18,047 17,987	Tuesday 6/25/2013 19,795 19,150	Wednesday 6/26/2013 19,333 18,850	"hursday 6/27/2013 18,966 18,573	Fnday 5/28/2013 6/28/2013 19,592 18,638	Saturday 5 6/29/2013 14,331 13,790	Sunday 6/30/2013 13,307 12,915	
5 7 100 200 300 400 500	Sunday 6/16/2013 13,492 13,150 12,938 12,755 12,911	Monday T 6/17/2013 16,581 16,511 16,114 16,336 17,175	uesday 5 6/18/2013 18,616 18,014 17,583 17,383 17,733	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735	hursday f 6/20/2013 16,514 16,065 15,924 16,005 16,740	Friday 6/21/2013 17,523 17,194 16,876 16,831 17,359	Saturday 6/22/2013 16,593 16,367 15,852 16,389 15,401	Sunday / 6/23/2013 15,293 14,536 14,188 13,672 13,745	Monday 6/24/2013 18,758 18,136 18,047 17,987 18,416	Tuesday 6/25/2013 19,795 19,150 18,579	Wednesday 6/26/2013 19,333 18,850 18,356	Thursday 6/27/2013 18,966 18,573 18,161	Fnday 5/28/2013 6/28/2013 19,592 18,638 18,097	Saturday 5 6/29/2013 14,331 13,790 13,713	Sunday 6/30/2013 13,307 12,915 12,555	
100 200 300 400 500 600	Sunday 6/16/2013 13,492 13,150 12,938 12,755 12,911 12,891	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931	uesday 7 6/18/2013 18,616 18,014 17,583 17,383 17,733 18,392	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159	hursday f 6/20/2013 16,514 16,065 15,924 16,005 16,740 17,349	Friday 6/21/2013 17,523 17,194 16,876 16,831 17,359 17,719	Saturday 6/22/2013 16,593 16,367 15,852 15,389 15,401 15,248	Sunday / 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693	Monday 6/24/2013 18,758 18,136 18,047 17,987	Tuesday 6/25/2013 19,795 19,150 18,579 18,622	Wednesday 6/26/2013 19,333 18,850 18,356 18,268	Thursday 6/27/2013 18,966 18,573 18,161 18,129	Fnday 5/28/2013 6/28/2013 19,592 18,638 18,097 18,222	Saturday 5 6/29/2013 14,331 13,790 13,713 13,660	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364	
9 100 200 300 400 500 600 700	5unday 6/16/2013 13,492 13,150 12,938 12,755 12,911 12,891 13,292	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827	uesday 7 6/18/2013 18,616 18,014 17,583 17,583 17,783 18,392 19,888	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159 18,509	hursday F 6/20/2013 16,514 16,065 15,924 16,005 16,740 17,349 18,716	Friday 6/21/2013 17,523 17,194 16,876 16,831 17,359 17,719 19,132	Saturday 6/22/2013 16,593 16,367 15,852 16,389 15,401 15,248 16,452	Sunday 1 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168	Monday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216	Tuesday 6/25/2013 19,795 19,150 18,579 18,622 19,321 19,857 21,374	Wednesday 6/26/2013 19,333 18,850 18,356 18,268 19,057	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833	Fnday 6/28/2013 19,592 18,638 18,097 18,222 18,912	Saturday 5 6/29/2013 14,331 13,790 13,713 13,660 13,757	Sunday 6/30/2013 13,307 12,915 12,555 12,418	
100 200 300 400 500 600 700 800	Sunday 6/16/2013 13,492 13,150 12,938 12,755 12,911 12,891 13,292 13,997	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827 21,308	uesday 6/18/2013 18,616 18,014 17,583 17,383 17,733 18,392 19,888 20,840	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159 18,509 19,424	hursday F 6/20/2013 16,514 16,065 15,924 16,005 16,740 16,740 18,716 20,135	Fiday 6/21/2013 17,523 17,194 16,876 16,831 17,359 17,719 19,132 20,676	Saturday 6/22/2013 16,593 16,367 15,852 16,389 15,401 15,248 16,452 18,076	Sunday 1 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158	Monday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937	Tuesday 6/25/2013 19,795 18,579 18,579 18,622 19,321 19,857	Wednesday 6/26/2013 19,333 18,850 18,356 18,268 19,057 19,808	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941	Fnday 6/28/2013 19,592 18,638 18,097 18,222 18,912 19,304	Saturday 5 6/29/2013 13,790 13,713 13,663 13,757 13,463 14,116	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,686	
5 100 200 300 400 500 600 700 800 900	5unday 6/16/2013 13,492 13,150 12,938 12,755 12,911 12,891 13,292 13,997 14,755	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827 21,308 23,080	uesday 6/18/2013 18,616 18,014 17,583 17,583 17,733 18,392 19,888 20,840 20,941	Wednesday T 6/19/2013 16,525 15,625 15,645 16,023 16,735 17,159 18,509 18,509 19,424 20,123	hursday f 6/20/2013 16,514 16,065 15,924 18,005 16,740 17,349 18,716 20,135 20,531	Friday 6/21/2013 17,523 17,194 16,876 16,831 17,359 17,719 19,132 20,676 21,989	Saturday 6/22/2013 16,593 16,857 16,852 15,389 15,401 15,248 16,452 18,076 19,529	Sunday 1 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158 16,963	Monday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216	Tuesday 6/25/2013 19,795 19,150 18,579 18,622 19,321 19,857 21,374	Wednesday 6/26/2013 19,333 18,850 18,356 18,268 19,057 19,808 21,354	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941 21,236	Fnday 6/28/2013 19,592 18,638 18,097 18,222 18,912 19,304 20,700	Saturday 5 6/29/2013 14,331 13,790 13,713 13,660 13,757 13,463 14,116 15,363	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,686 13,164	
100 200 300 400 500 600 700 800 900 1000	5unday 6/16/2013 6/16/2013 13,492 13,150 12,938 12,755 12,911 12,891 13,292 13,997 14,755 15,689	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827 21,308 23,080 24,208	uesday 6/18/2013 18,616 18,014 17,583 17,733 18,392 19,888 20,840 20,941 21,654	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159 18,509 19,424 20,123 20,958	Thursday F 6/20/2013 16,514 16,065 15,924 16,005 16,740 17,349 18,716 20,135 20,531 21,385	Friday 6/21/2013 17,523 17,194 16,876 16,831 17,359 17,719 19,132 20,676 21,989 23,056	Saturday 6/22/2013 16,593 16,367 15,852 15,389 15,401 15,248 16,452 18,076 19,529 21,161	Sunday 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 16,158 16,983 18,503	Monday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216 22,827 24,258 25,413	Tuesday 6/25/2013 19,795 19,150 18,579 18,622 19,321 19,857 21,374 22,866	Wednesday 6/26/2013 19,333 18,850 18,356 18,268 19,057 19,808 21,354 22,539	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941 21,236 22,711	Fnday 5/28/2013 6/28/2013 19,592 18,638 18,097 18,222 18,912 19,304 20,700 22,250	Saturday 5 6/29/2013 13,790 13,713 13,663 13,757 13,463 14,116	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,686 13,164 14,123	
100 200 300 400 500 700 800 900 1000 1100	Sunday 6/16/2013 13,492 13,150 12,938 12,755 12,911 13,292 13,997 14,755 15,689 16,636	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827 21,308 23,080 24,208 25,167	6/18/2013 18,616 18,014 17,583 17,383 17,733 18,392 19,888 20,840 20,941 21,654 22,370	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159 18,509 19,424 20,123 20,959 21,374	Thursday F 6/20/2013 16,514 16,065 15,924 16,005 16,740 17,349 18,716 20,135 20,531 21,385 21,375	Friday 6/21/2013 17, 523 17, 194 16, 876 16, 831 17, 359 17, 719 19, 132 20, 676 21, 989 23, 056 24, 254	Saturday 6/22/2013 16,553 16,367 15,852 16,389 15,401 16,248 16,452 18,076 19,529 21,161 22,415	Sunday 1 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158 16,963	Vionday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216 22,827 24,258	Tuesday 6/25/2013 19,795 19,150 18,579 18,622 19,321 19,857 21,374 22,866 24,538	Wednesday 6/26/2013 19,333 18,850 18,356 18,268 19,057 19,808 21,354 22,539 23,610	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941 21,236 22,711 24,349	Fnday 6/28/2013 19,592 18,638 18,097 18,222 18,912 19,304 20,700 22,250 23,424 24,548	Saturday 5 6/29/2013 14,331 13,790 13,713 13,660 13,757 13,463 14,116 15,363 16,443 17,306	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,686 13,164 14,123 14,911	
100 200 300 400 500 700 800 700 800 1000 1100 1200	5unday 6/16/2013 13,492 13,150 12,938 12,755 12,911 13,292 13,997 14,755 15,689 16,636 17,095	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827 21,308 23,080 24,208 25,167 25,906	uesday 6/18/2013 18,616 18,014 17,583 17,583 17,733 18,392 19,888 20,840 20,941 21,654 22,370 22,978	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159 18,509 19,424 20,123 20,958 21,374 21,997	Thursday F 6/20/2013 16,514 16,065 15,924 16,005 16,740 17,349 18,716 20,135 20,531 21,385 21,975 22,597	Friday 6/21/2013 17,523 17,194 16,876 16,831 17,359 17,719 19,132 20,676 21,889 23,056 24,254 24,254	Saturday 6/22/2013 16,593 16,367 15,852 15,389 15,401 15,248 16,452 18,076 19,529 21,161 22,415 23,194	Sunday 1 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158 16,963 18,503 18,503 18,503 18,503 20,008 21,093	Monday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216 22,827 24,258 25,413	Tuesday 6/25/2013 19,795 19,150 18,579 18,622 19,321 19,857 21,374 22,866 24,538 25,825	Wednesday 6/26/2013 19,333 18,850 18,356 18,268 19,057 19,808 21,354 22,539 23,610 24,330	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941 21,236 22,711 24,349 25,567	Fnday 6/28/2013 19,592 18,638 18,097 18,222 18,912 19,304 20,700 22,250 23,424 24,548 24,899	Saturday 5 6/29/2013 14,331 13,790 13,713 13,660 13,757 13,463 14,116 15,363 16,443 17,306 17,749	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,686 13,164 14,123 14,911 15,453	
9 7 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300	Sunday 6/16/2013 13,492 13,150 12,938 12,755 12,911 12,891 13,292 13,997 14,755 15,689 16,636 17,095 17,520	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827 21,308 23,080 24,208 25,167 25,906 26,865	4/18/2013 6/18/2013 18,616 18,014 17,583 17,733 18,392 19,888 20,840 20,941 21,654 22,370 22,978 23,512	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159 18,509 19,424 20,123 20,958 21,374 21,997 22,346	Thursday 6/20/2013 16,514 16,065 15,924 18,005 16,740 17,349 18,716 20,135 20,531 21,385 21,975 22,597 23,188	Friday 6/21/2013 17,523 17,194 16,876 16,831 17,359 17,719 19,132 20,676 21,989 23,056 24,254 25,316 26,105	Saturday 6/22/2013 16,553 16,367 15,852 16,389 15,401 16,248 16,452 18,076 19,529 21,161 22,415	Sunday 1 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158 16,963 18,503 20,008	Vionday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216 22,827 24,258 25,413 26,770	Tuesday 6/25/2013 19,765 19,150 18,679 18,622 19,321 19,857 21,374 22,866 24,538 25,825 27,059	Wednesday 6/26/2013 19,333 18,850 18,268 19,057 19,808 21,354 22,539 23,610 24,330 24,870	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941 21,236 22,711 24,349 25,567 26,407 27,207	Fnday 6/28/2013 19,592 18,638 18,097 18,222 18,912 19,304 20,700 22,250 23,424 24,548 24,548 24,899 25,728	Saturday 5 6/29/2013 14,331 13,790 13,713 13,660 13,757 13,463 14,116 15,363 16,443 17,306 17,749 17,919	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,686 13,164 14,123 14,911 15,453 15,660	
100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400	Sunday 6/16/2013 13,492 13,150 12,938 12,755 12,911 13,292 13,997 14,755 15,689 16,636 17,095 17,520 18,027	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827 21,308 23,080 24,208 24,208 25,167 25,906 26,865 27,094	6/18/2013 18,616 18,014 17,583 17,383 17,383 17,383 17,383 17,383 17,383 17,383 17,383 17,383 17,383 17,383 17,383 17,583 16,592 20,941 21,654 22,978 23,512 24,512 24,	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159 18,509 19,424 20,123 20,959 21,374 21,997 22,346 22,352	Thursday F 6/20/2013 16,514 16,065 15,924 16,005 16,740 17,349 18,716 20,135 20,531 21,385 21,975 22,597 23,188 23,284	Friday 6/21/2013 17,523 17,194 16,876 16,831 17,359 17,719 19,132 20,676 21,989 23,056 24,254 25,316 26,105 26,219	Saturday 6/22/2013 16,593 16,367 15,852 15,389 15,401 15,248 16,452 18,076 19,529 21,161 22,415 23,194	Sunday 1 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158 16,963 18,503 18,503 18,503 18,503 20,008 21,093	Vionday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216 22,827 24,258 25,413 26,770 28,087	Tuesday 6/25/2013 19,795 19,150 18,579 18,622 19,321 19,857 21,374 22,866 24,538 25,825 27,059 27,930	Wednesday 6/26/2013 19,333 18,850 18,356 18,268 19,057 19,808 21,354 22,539 23,610 24,330 24,870 24,928 24,928 24,948	Thursday 6/27/2013 18,966 18,573 18,161 18,833 19,941 21,236 22,711 24,349 25,567 26,407 27,207 27,302	Fnday 6/28/2013 19,592 18,638 18,097 18,222 18,912 19,304 20,700 22,250 23,424 24,548 24,899 25,728 26,638	Saturday 6/29/2013 14,331 13,790 13,713 13,660 13,757 13,463 14,116 15,363 16,443 17,306 17,749 17,919 18,041	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,686 13,164 14,123 14,911 15,453 15,660 15,782	
100 200 300 400 500 600 700 800 1000 1000 1100 1200 1300 1400 1500	Sunday 6/16/2013 13,492 13,150 12,938 12,755 12,911 13,292 13,997 14,755 15,689 16,636 17,095 17,520 18,027 18,278	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827 21,308 23,080 24,208 25,167 25,906 26,885 27,094 27,102	6/18/2013 18,616 18,014 17,583 17,383 17,733 18,392 19,888 20,840 20,941 21,654 22,370 22,978 23,512 23,336 23,309	Wednesday T 6/19/2013 16,525 15,922 15,645 18,735 18,509 19,424 20,123 20,958 21,374 21,997 22,346 22,346 22,352 22,042	Thursday F 6/20/2013 16,514 16,065 15,924 16,005 16,740 17,349 18,716 20,135 20,531 21,385 21,385 21,375 22,597 23,188 23,284 23,637	Friday 6/21/2013 17, 523 17, 194 16, 876 16, 831 17, 359 17, 719 19, 132 20, 676 21, 989 23, 056 24, 25, 316 26, 055 26, 219 26, 363	Saturday 6/22/2013 16,593 16,857 16,852 15,389 15,401 15,248 16,452 18,076 19,529 21,161 22,415 23,194 23,748	Sunday 1 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158 16,963 18,503 20,008 21,093 21,820	Vionday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216 22,827 24,258 25,413 26,770 28,087 28,295	Tuesday 6/25/2013 19,795 19,150 18,579 18,622 19,321 19,857 21,374 22,866 24,538 25,825 27,059 27,930 28,432	Wednesday 6/26/2013 19,333 18,850 18,356 18,268 19,057 19,808 21,354 22,539 23,610 24,330 24,870 24,928	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941 21,236 22,711 24,349 25,567 26,407 27,207 27,302 27,759	Fnday 6/28/2013 19,592 18,638 18,097 18,222 19,304 20,700 22,250 23,424 24,548 24,899 25,728 26,638 26,638 26,704	Saturday 6/29/2013 14,331 13,790 13,713 13,660 13,757 13,463 14,116 15,363 16,443 17,306 17,749 17,919 18,041 18,000	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,686 13,164 14,123 14,911 15,453 14,911 15,453 15,680 15,782 15,818	
100 200 300 400 500 700 800 700 800 1000 1100 1200 1300 1400 1500 1600	Sunday 6/16/2013 13,492 13,150 12,938 12,755 12,911 13,292 13,997 14,755 15,689 16,636 17,095 17,520 18,027 18,027 18,027 18,027 18,028	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827 21,308 23,080 24,208 24,208 24,208 25,167 25,906 26,865 27,094 27,102 26,895	uesday 6/18/2013 18,616 18,014 17,583 17,583 17,733 18,392 19,888 20,840 20,941 21,654 22,370 22,978 23,512 23,336 23,309 22,872	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159 18,509 19,424 20,123 20,958 21,374 21,997 22,362 22,042 22,042 22,098	Thursday F 6/20/2013 16,514 16,065 15,924 16,005 16,740 17,349 18,716 20,135 20,531 21,385 21,975 22,597 23,188 23,284	Friday 6/21/2013 17,523 17,194 16,876 16,831 17,359 17,719 19,132 20,676 21,989 23,056 24,254 25,316 26,105 26,219	Saturday 6/22/2013 16,593 16,687 15,852 15,389 15,401 15,248 16,452 18,076 19,529 21,161 22,415 23,194 23,748 23,748 24,127	Sunday 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158 16,963 18,503 20,008 21,093 21,820 22,609	Monday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216 22,827 24,258 25,413 26,770 28,087 28,087 28,087 28,087 28,087	Tuesday 6/25/2013 19,795 19,150 18,679 18,622 19,321 19,857 21,374 22,866 24,538 25,825 27,059 27,930 28,432 29,054	Wednesday 6/26/2013 19,333 18,850 18,356 18,268 19,057 19,808 21,354 22,539 23,610 24,330 24,330 24,870 24,928 24,948 25,343 26,121	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941 21,236 22,711 24,349 25,567 26,407 27,207 27,302 27,759 28,322	Friday 6/28/2013 19,592 18,638 18,097 18,222 18,912 19,304 20,700 22,250 23,424 24,548 24,548 24,548 24,548 24,548 26,638 26,728 26,638 26,704 26,315	Saturday 5 6/29/2013 14,331 13,790 13,713 13,660 13,757 13,463 14,116 15,363 16,443 17,306 17,749 17,919 18,041 18,040 18,192	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,686 13,164 14,123 14,911 15,453 15,660 15,782 15,818 16,314	
100 200 300 400 500 600 700 800 1000 1000 1200 1300 1400 1300 1400 1600 1700	Sunday 6/16/2013 13,492 13,150 12,938 12,755 12,911 13,292 13,997 14,755 15,689 16,636 17,095 17,520 18,027 18,027 18,027 19,384 19,803	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827 21,308 23,080 24,208 25,167 25,906 26,855 27,094 27,102 26,895 26,9518	6/18/2013 18,616 18,014 17,583 17,383 17,383 17,383 17,383 17,383 17,383 17,383 17,383 17,383 17,383 17,383 17,654 20,840 20,941 21,654 22,370 22,978 23,336 23,339 22,872 21,991	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159 18,509 18,424 20,123 20,958 21,374 21,997 22,346 22,352 22,042 22,048 22,048 22,048 22,048	Thursday F 6/20/2013 16,514 16,065 15,924 16,005 16,740 17,349 18,716 20,135 20,531 21,975 22,597 23,188 23,284 23,637 23,916 23,694	Friday 6/21/2013 17, 523 17, 194 16, 876 16, 831 17, 359 17, 719 19, 132 20, 676 21, 989 23, 056 24, 25, 316 26, 105 26, 219 26, 363	Saturday 6/22/2013 16,593 16,367 15,852 15,389 15,401 15,248 16,452 18,076 19,529 21,161 22,415 23,748 24,127 24,818	Sunday 1 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158 16,963 14,168 15,158 16,963 14,088 15,158 16,963 20,008 21,093 21,820 22,609 23,692	Vionday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216 22,827 24,258 25,413 26,770 28,087 28,087 28,987 28,673 28,847	Tuesday 6/25/2013 19,795 19,150 18,579 18,622 19,321 19,857 21,374 22,866 24,538 25,825 27,059 27,930 28,432 29,054 29,054 29,054 30,195	Wednesday 6/26/2013 19,333 18,850 18,356 18,268 19,057 19,808 21,354 22,539 23,610 24,330 24,870 24,928 24,948 25,343 26,121 27,212	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941 21,236 22,711 24,349 25,567 26,407 27,207 27,302 27,759 28,322 28,989	Fnday 6/28/2013 19,592 18,638 18,097 18,222 18,912 19,304 20,700 22,250 23,424 24,548 24,899 25,728 26,638 26,704 26,315 26,382	Saturday 5 6/29/2013 14,331 13,790 13,713 13,660 13,757 13,463 14,116 15,363 16,443 17,306 17,749 17,919 18,041 18,000 18,192 18,326	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,686 13,164 14,123 14,911 15,453 15,660 16,782 15,818 16,314 16,847	
r 100 200 300 400 500 600 700 800 1000 1000 1100 1200 1300 1400 1500 1400 1500 1300 1400 1500 1400	Sunday 6/16/2013 13,492 13,150 12,938 12,755 12,911 13,292 13,997 14,755 15,689 16,636 17,095 17,520 18,027 18,278 19,384 19,803 19,946	Monday T 6/17/2013 17,089 16,581 16,114 16,114 16,336 17,175 17,931 19,827 21,308 23,080 24,208 24,208 24,208 25,167 25,906 26,865 27,094 27,102 26,895 26,518 26,518 26,031	6/18/2013 18,616 18,014 17,583 17,383 17,733 18,392 19,888 20,840 20,941 21,654 22,370 22,978 23,512 23,336 23,309 22,872 21,991 20,983	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159 18,509 19,424 20,123 20,958 21,374 21,997 22,362 22,042 22,042 22,098	Thursday F 6/20/2013 16,514 16,065 15,924 16,005 16,740 17,349 18,716 20,135 20,531 21,975 22,597 23,188 23,284 23,284 23,284 23,284	Friday 6/21/2013 17,523 17,194 16,876 16,831 17,359 17,719 19,132 20,676 21,989 23,056 24,254 24,254 25,316 26,105	Saturday 6/22/2013 16,593 16,367 15,852 15,389 15,401 15,248 16,452 18,076 19,529 21,161 22,415 23,748 24,127 24,127 24,818 25,226	Sunday 1 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158 16,963 18,503 18,503 18,503 20,008 21,093 21,820 22,609 23,662 24,131	Monday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216 22,827 24,258 25,413 26,770 28,087 28,087 28,087 28,295 28,673 28,847	Tuesday 6/25/2013 19,795 19,150 18,579 18,622 19,321 19,857 21,374 22,866 24,538 25,825 27,059 27,930 28,432 29,054 29,354 29,354 29,364	Wednesday 6/26/2013 19,333 18,850 18,268 19,057 19,808 21,354 22,539 23,610 24,330 24,870 24,928 24,948 25,343 26,121 27,212 27,359	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941 21,236 22,711 24,349 25,567 26,407 27,207 27,302 27,759 28,322 28,929 28,929	Fnday 6/28/2013 19,592 18,638 18,097 18,222 19,304 20,700 22,250 23,424 24,548 24,548 24,899 25,728 26,638 26,704 26,315 26,362 22,947	Saturday 6/29/2013 14,331 13,790 13,713 13,660 13,757 13,463 14,116 15,363 16,443 17,306 17,749 17,919 18,041 18,000 18,192 18,326 16,906	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,686 13,164 14,123 14,911 15,453 15,660 15,782 15,818 16,314 16,847 16,977	
100 200 300 400 500 600 700 800 1000 1100 1200 1300 1400 1400 1400 1400 1400 1400 14	Sunday 6/16/2013 13,492 13,150 12,938 12,755 12,911 13,292 13,997 14,755 15,689 16,636 17,095 17,520 18,027 18,027 18,027 19,384 19,803 19,496 19,479	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827 21,308 23,080 24,208 25,167 25,906 26,885 27,094 27,102 26,895 26,518 26,031 25,140	6/18/2013 18,616 18,014 17,583 17,383 17,383 17,383 17,383 17,383 17,383 17,383 17,383 17,383 17,383 17,383 17,654 20,840 20,941 21,654 22,370 22,978 23,336 23,339 22,872 21,991	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159 18,509 18,424 20,123 20,958 21,374 21,997 22,346 22,352 22,042 22,048 22,048 22,048 22,048	Thursday F 6/20/2013 16,514 16,065 15,924 16,005 16,740 17,349 18,716 20,135 20,531 21,975 22,597 23,188 23,284 23,637 23,916 23,694	Friday 6/21/2013 17,523 17,194 16,876 16,831 17,359 17,719 19,132 20,676 21,989 22,056 24,254 22,5316 26,105 26,219 26,363 26,150 25,619	Saturday 6/22/2013 16,593 16,367 15,852 15,389 15,401 15,248 16,452 18,076 19,529 21,161 22,415 23,194 23,748 23,748 24,127 24,818 25,226 25,360	Sunday 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158 16,963 14,168 15,158 16,963 20,008 21,093 21,820 22,609 23,692 24,131 24,537 24,386	Vionday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216 22,827 24,258 25,413 26,770 28,087 28,295 28,673 28,847 28,799 28,547 28,547 28,995	Tuesday 6/25/2013 19,765 19,150 18,579 18,622 19,321 19,857 21,374 22,866 24,538 25,825 27,059 27,930 28,432 29,054 29,354 30,195 29,866 28,844	Wednesday 6/26/2013 19,333 18,850 18,268 19,057 19,808 21,354 22,539 23,610 24,330 24,870 24,928 24,948 24,948 25,343 26,121 27,212 27,359 26,594	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941 21,236 22,711 24,349 25,567 26,407 27,207 27,302 27,759 28,322 28,988 28,968 28,968 28,968	Fnday 6/28/2013 19,592 18,638 18,097 18,222 18,912 19,304 20,700 22,250 23,424 24,548 24,899 25,728 26,638 26,638 26,704 26,315 25,382 22,947 21,347	Saturday 6/29/2013 14,331 13,790 13,713 13,660 13,757 13,463 14,116 15,363 16,443 17,306 17,749 17,919 18,041 18,000 18,192 18,326 16,906 16,245	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,666 13,164 14,123 14,911 15,453 15,680 15,782 15,818 16,314 16,847 16,847 16,847 16,977 17,415	
100 200 300 400 500 600 700 800 1000 1200 1200 1200 1200 1200 120	Sunday 6/16/2013 13,492 13,150 12,938 12,755 12,911 13,292 13,997 14,755 15,689 16,636 17,095 17,520 18,027 18,277 18,277 18,278 19,384 19,803 19,456 19,479 19,386	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827 21,308 23,080 24,208 25,167 25,906 26,885 27,094 27,102 26,895 26,518 26,031 25,140 24,014	6/18/2013 18,616 18,014 17,583 17,383 17,383 17,733 18,392 19,888 20,840 20,941 21,654 22,370 22,978 23,316 23,309 22,872 21,991 20,983 20,288 19,834	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159 18,509 19,424 20,123 20,958 21,374 21,997 22,346 22,352 22,042 22,098 21,497 20,949	Thursday F 6/20/2013 16,514 16,065 15,924 16,005 16,740 17,349 18,716 20,135 20,531 21,385 21,975 22,597 23,188 23,284 23,637 23,916 23,694 23,694 23,694	Friday 6/21/2013 17, 523 17, 194 16, 876 16, 831 17, 759 19, 132 20, 676 21, 989 23, 056 24, 254 25, 316 26, 105 26, 219 26, 363 26, 150 25, 619 24, 787	Saturday 6/22/2013 16,593 16,367 15,852 15,389 15,401 15,248 16,452 18,076 19,529 21,161 22,415 23,194 23,748 24,127 24,818 24,127 24,818 25,226 25,380 24,555	Sunday 1 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158 16,963 20,008 21,093 21,820 22,609 22,609 22,609 22,609 22,609 22,609 22,609 22,609 22,609 22,609 22,609 22,609 23,652 24,131 24,537 24,336 23,963	Vionday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216 22,827 24,258 25,413 26,770 28,087 28,087 28,087 28,673 28,673 28,647 28,547 24,558 28,54728,547 28,54728,547 28,547 28,547 28,547 28,54728,547 28,547 28,54728,54	Tuesday 6/25/2013 19,795 19,150 18,579 18,622 19,321 19,857 21,374 22,866 24,538 25,825 27,059 27,930 28,432 29,064 29,054 29,054 30,195 29,686 28,444 28,379	Wednesday 6/26/2013 19,333 18,850 18,366 18,268 19,057 19,808 21,354 22,539 23,610 24,330 24,870 24,928 24,948 25,343 26,121 27,212 27,359 26,594 25,006	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941 21,236 22,711 24,349 25,567 26,407 27,207 27,302 27,759 28,322 28,989 28,322 28,989 28,962 28,102 26,907	Friday 6/28/2013 19,592 18,638 18,097 18,222 19,304 20,700 22,250 23,424 24,548 24,548 24,548 26,728 26,638 26,704 26,315 26,382 22,947 21,347 20,412	Saturday 5 6/29/2013 14,331 13,790 13,713 13,660 13,757 13,463 14,116 15,363 16,443 17,306 17,749 17,919 18,041 18,000 18,192 18,326 16,906 16,245 16,546	Sunday 6/30/2013 13,307 12,915 12,555 12,2418 12,354 12,173 12,666 13,164 14,123 14,911 15,453 15,660 15,782 15,818 16,314 16,847 16,847 16,977 17,415 17,297	
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9 7 100 200 300 400 500 600 700 800 900 1000 1200 1200 1200 1400 1400 1400 1400 1400 1400 1400 1200 1200 2000 2200 200	Sunday 6/16/2013 13,402 13,150 12,938 12,755 12,911 13,292 13,997 14,755 15,689 16,636 17,095 17,520 18,027 18,278 19,384 19,384 19,803 19,496 19,479 19,386 19,779 19,672	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827 21,308 23,080 24,208 25,167 25,906 26,885 27,094 27,102 26,895 26,518 26,518 26,031 25,140 24,014 23,584 22,692	6/18/2013 18,616 18,014 17,583 17,383 17,383 17,733 18,392 19,888 20,840 20,941 21,654 22,370 22,978 23,316 23,309 22,872 21,991 20,983 20,288 19,834	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159 18,509 19,424 20,123 20,958 21,374 21,997 22,346 22,052 22,042 20,521 20,521	 Thursday 6/20/2013 16,514 16,065 15,924 16,0740 17,349 18,716 20,035 21,975 22,597 23,188 23,637 23,916 23,694 23,694 23,400 23,021 22,559 	Friday 6/21/2013 17,523 17,194 16,876 16,831 17,359 17,719 19,132 20,676 21,989 23,056 24,254 25,316 26,105 26,219 26,363 26,150 26,363 26,150 25,619 24,036 22,880	Saturday 6/22/2013 16,593 16,387 15,852 15,389 15,401 15,248 16,452 18,076 19,529 21,161 22,415 23,194 23,748 24,127 24,818 23,748 24,127 24,818 25,226 25,360 24,555 22,990 21,773	Sunday 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158 16,963 18,503 20,008 21,093 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 22,609 23,692 24,131 24,537 24,386 23,963 22,263	Monday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216 22,827 24,258 25,413 26,770 28,087 28,087 28,095 28,673 28,847 28,799 28,547 28,096 27,614 26,685 26,213	Tuesday 6/25/2013 19,795 19,150 18,579 18,622 19,321 19,857 21,374 22,866 24,538 25,825 27,059 27,930 28,432 29,054 29,059 29,054 29,054 29,054 29,059 29,054 29,054 29,054 29,054 29,054 29,056 20,056 20,00	Wednesday 6/26/2013 19,333 18,850 18,366 18,268 19,057 19,808 21,354 22,539 23,610 24,870 24,928 24,948 25,343 26,121 27,359 26,594 25,006 24,183 23,778	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941 21,236 22,711 24,349 25,567 26,407 27,207 27,302 27,759 28,322 28,989 28,966 28,966 28,102 26,907 25,548 24,615	Fnday 6/28/2013 19,592 18,638 18,097 18,222 18,912 19,304 20,700 22,250 23,424 24,548 24,899 25,728 26,638 26,638 26,704 26,315 26,382 22,947 21,347 20,412 19,533 19,775	Saturday 6/29/2013 14,331 13,790 13,713 13,660 13,757 13,463 14,116 15,363 16,443 17,306 17,749 17,919 18,041 18,000 18,192 18,326 16,905 16,245 16,546 16,054 16,054	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,686 13,164 14,123 14,911 15,453 15,680 15,782 15,818 16,314 16,847 16,977 17,415 17,297 17,252 18,180	
100 200 300 400 500 600 700 800 1000 1100 1200 1300 1300 1300 1300 13	Sunday 6/16/2013 13,482 13,150 12,938 12,755 12,911 12,281 13,292 13,997 14,755 15,689 16,636 17,520 18,027 18,027 18,027 18,027 18,027 18,027 18,027 18,033 19,486 19,479 19,386 19,479 19,386	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827 21,308 23,080 24,208 25,167 25,906 26,885 27,094 27,102 26,895 26,518 26,031 25,140 24,014 23,584 22,692 21,028	6/18/2013 18,616 18,014 17,583 17,383 17,383 17,733 18,392 19,888 20,840 20,941 21,654 22,370 22,978 23,512 23,336 23,309 22,872 21,991 20,983 20,288 19,834 20,052	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159 18,509 19,424 20,123 20,959 21,374 21,997 22,346 22,362 22,042 22,048 21,497 20,949 20,521 20,082 20,015	Thursday F 6/20/2013 16,514 16,065 15,924 16,005 16,740 17,349 18,716 20,135 20,531 21,385 21,975 22,597 23,188 23,284 23,637 23,916 23,694 23,694 23,400 23,021	Friday 6/21/2013 17, 523 17, 194 16, 876 16, 831 17, 759 19, 132 20, 676 21, 989 23, 056 24, 254 26, 105 26, 219 26, 363 26, 150 25, 619 24, 787 24, 036 22, 800 22, 705	Saturday 6/22/2013 16,553 16,367 15,852 15,389 15,401 15,248 16,452 18,076 19,529 21,161 22,415 23,194 23,746 24,127 24,818 25,226 25,360 24,555 22,990 21,773 21,7736 20,459	Sunday 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158 16,963 14,168 15,158 16,963 20,008 21,093 21,693 22,609 23,692 24,131 24,537 24,336 23,963 22,853 22,853 22,853 22,853 22,853	Vionday 6/24/2013 18,758 18,047 17,987 18,416 18,937 21,216 22,827 24,258 25,413 26,770 28,087 28,295 28,673 28,847 28,799 28,547 28,799 28,547 28,095 27,614 26,685 26,213 24,986	Tuesday 6/25/2013 19,795 19,150 18,579 18,622 19,321 19,857 21,374 22,866 24,538 25,825 27,059 27,930 26,432 29,054 29,354 30,195 29,686 28,444 29,354 30,195 29,686 28,444 28,179 27,230 26,682 28,425	Wednesday 6/26/2013 19,333 18,850 18,268 19,057 19,808 21,354 22,539 23,610 24,330 24,870 24,928 24,948 25,343 26,121 27,212 27,359 26,594 25,006 24,183 23,778 22,633	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941 21,236 22,711 24,349 25,567 26,407 27,207 27,302 27,759 28,322 28,968 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,964	Friday 6/28/2013 19,592 18,638 18,097 18,222 18,912 19,304 20,700 22,250 23,424 24,548 24,548 24,548 24,548 26,638 26,728 26,638 26,728 26,638 26,704 26,315 26,382 22,947 21,347 20,412 19,533 19,775 19,086	Saturday 6/29/2013 14,331 13,790 13,713 13,660 13,757 13,463 14,116 15,363 16,443 17,306 17,749 17,919 18,041 18,041 18,000 18,192 18,326 16,906 16,245 16,546 16,054 16,054 16,054 16,054 16,054	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,686 13,164 14,123 14,911 15,453 15,660 15,782 15,818 16,314 16,847 16,847 16,977 17,415 17,297 17,522 18,180 18,064	
9 7 100 200 300 400 500 600 700 800 900 1000 1200 1200 1200 1400 1400 1400 1400 1400 1400 1400 1200 1200 2000 2200 200	Sunday 6/16/2013 13,402 13,150 12,938 12,755 12,911 13,292 13,997 14,755 15,689 16,636 17,095 17,520 18,027 18,278 19,384 19,384 19,803 19,496 19,479 19,386 19,779 19,672	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827 21,308 23,080 24,208 25,167 25,906 26,885 27,094 27,102 26,895 26,518 26,518 26,031 25,140 24,014 23,584 22,692	6/18/2013 18,616 18,014 17,583 17,383 17,383 17,733 18,392 19,888 20,840 20,941 21,654 22,370 22,978 23,512 23,336 23,309 22,872 21,991 20,983 20,288 19,634 20,288 19,634 20,052 19,700	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 18,735 17,159 18,509 19,424 20,123 20,959 21,374 21,997 22,346 22,042 20,052 1,497 20,052 1,628	Thursday F 6/20/2013 16,514 16,065 15,924 16,005 16,740 17,349 18,716 20,135 20,531 21,385 21,975 22,597 23,188 23,284 23,637 23,694 23,694 23,694 23,694	Friday 6/21/2013 17,523 17,194 16,876 16,831 17,359 19,132 20,676 21,889 23,056 24,254 25,316 26,105 26,219 26,363 26,150 25,619 24,787 24,036 22,800 22,705 22,679	Saturday 6/22/2013 16,593 16,667 15,852 15,401 15,248 16,452 18,076 19,529 21,161 22,415 23,194 23,748 24,127 24,818 25,226 25,380 24,555 22,990 21,773 21,736	Sunday 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158 16,963 18,503 20,008 21,093 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 21,693 22,609 23,692 24,131 24,537 24,386 23,963 22,263	Monday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216 22,827 24,258 25,413 26,770 28,087 28,087 28,095 28,673 28,847 28,799 28,547 28,096 27,614 26,685 26,213	Tuesday 6/25/2013 19,795 19,150 18,579 18,622 19,321 19,857 21,374 22,866 24,538 25,825 27,059 27,930 28,432 29,054 29,059 29,054 29,054 29,054 29,059 29,054 29,054 29,054 29,054 29,054 29,056 20,056 20,00	Wednesday 6/26/2013 19,333 18,850 18,356 18,268 19,057 19,808 21,354 22,539 23,610 24,330 24,928 24,948 25,343 26,121 27,212 27,359 26,594 25,006 24,183 23,778 22,633 21,070	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941 21,236 22,711 24,349 25,567 26,407 27,207 27,302 27,759 28,322 28,989 28,966 28,907 25,548 24,615 23,544 21,663	Fnday 6/28/2013 19,592 18,638 18,097 18,222 18,912 19,304 20,700 22,250 23,424 24,548 24,548 24,548 24,548 26,704 26,638 26,704 26,315 26,382 22,947 21,347 20,412 19,533 19,775 19,086 17,253	Saturday 5 6/29/2013 14,331 13,790 13,713 13,660 13,757 13,463 14,116 15,363 16,443 17,306 17,749 17,919 18,041 18,000 18,192 18,326 16,245 16,54616,546 16,546 16,546 16,54616,546 16,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,54616,546 16,546 16,54616,546 16,54616,546 16,546 16,54616,546 16,54616,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,686 13,164 14,123 14,911 15,453 15,660 15,782 15,818 16,314 16,847 16,847 16,847 16,847 16,847 16,847 17,415 17,297 17,522 18,180 08,064 17,441	
100 200 300 400 500 600 700 800 900 1000 1200 1200 1200 1400 1400 1400 14	Sunday 6/16/2013 13,492 13,150 12,938 12,755 12,911 13,292 13,997 14,755 15,689 16,636 17,095 17,520 18,027 18,278 19,384 19,380 19,496 19,479 19,386 19,799 19,672 18,804 17,984	Monday T 6/17/2013 17,089 16,581 16,114 16,114 16,336 17,175 17,931 19,827 21,308 23,080 24,208 24,208 24,208 25,167 25,906 26,865 27,094 27,102 26,895 26,518 26,031 25,140 24,014 23,584 22,692 21,028 19,792	6/18/2013 18,616 18,014 17,583 17,383 17,733 18,392 19,888 20,840 20,941 21,654 22,370 22,978 23,512 23,336 23,309 22,872 21,991 20,983 20,288 19,834 20,288 19,834 20,052 19,700 18,522 17,297	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159 18,509 19,424 20,123 20,958 21,374 21,997 22,346 22,346 22,352 22,042 22,098 21,497 20,849 20,521 20,082 20,115 19,628 18,297 17,243	Thursday 6/20/2013 16,514 16,065 15,924 16,005 16,740 17,349 18,716 20,135 20,531 21,385 21,975 22,597 23,188 23,284 23,637 23,916 23,694 23,694 23,000 23,021 22,559 22,635 22,031 20,036 18,527	Friday 6/21/2013 17, 523 17, 194 16, 876 16, 831 17, 759 19, 132 20, 676 21, 989 23, 056 24, 254 25, 316 26, 105 26, 219 26, 363 26, 150 25, 619 24, 787 24, 036 22, 705 21, 679 18, 936 17, 394	Saturday 6/22/2013 16,593 16,687 15,882 15,401 15,248 16,452 18,076 19,529 21,161 22,415 23,194 23,748 24,127 24,818 25,226 25,380 24,555 22,990 21,773 21,773 21,773 21,773 21,773 21,773	Sunday 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158 16,963 14,168 15,158 16,963 20,008 21,093 21,693 21,693 22,609 23,692 24,131 24,537 24,386 23,963 22,863 23,865 24,86525,865	Monday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216 22,827 24,258 25,413 26,770 28,087 28,295 28,673 28,847 28,799 28,547 28,095 27,614 26,685 26,213 24,986 22,700 20,974	Tuesday 6/25/2013 19,795 19,150 18,579 18,622 19,321 19,857 21,374 22,866 24,538 25,825 27,059 27,930 28,432 29,054 29,354 30,195 29,866 28,444 28,179 27,230 26,882 24,257 22,107 20,418	Wednesday 6/26/2013 19,333 18,850 18,268 19,057 19,808 21,354 22,539 23,610 24,330 24,870 24,928 24,948 25,343 26,121 27,212 27,359 26,594 25,006 24,183 23,778 22,633	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941 21,236 22,711 24,349 25,567 26,407 27,207 27,302 27,759 28,322 28,968 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,969 28,964	Friday 6/28/2013 19,592 18,638 18,097 18,222 18,912 19,304 20,700 22,250 23,424 24,548 24,548 24,548 24,548 26,638 26,728 26,638 26,728 26,638 26,704 26,315 26,382 22,947 21,347 20,412 19,533 19,775 19,086	Saturday 6/29/2013 14,331 13,790 13,713 13,660 13,757 13,463 14,116 15,363 16,443 17,306 17,749 17,919 18,041 18,041 18,000 18,192 18,326 16,906 16,245 16,546 16,054 16,054 16,054 16,054 16,054	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,686 13,164 14,123 14,911 15,453 15,660 15,782 15,818 16,314 16,847 16,847 16,977 17,415 17,297 17,522 18,180 18,064	
100 200 300 400 500 600 700 800 1000 1000 1100 1200 1300 1400 1500 1300 1400 1500 1200 2000 2000 2200	Sunday 6/16/2013 13,482 13,150 12,938 12,755 12,911 12,281 13,292 13,997 14,755 15,689 16,636 17,520 18,027 18,027 18,027 18,027 18,027 18,027 18,027 18,033 19,486 19,479 19,386 19,479 19,386	Monday T 6/17/2013 17,089 16,581 16,114 16,336 17,175 17,931 19,827 21,308 23,080 24,208 25,167 25,906 26,885 27,094 27,102 26,895 26,518 26,031 25,140 24,014 23,584 22,692 21,028	6/18/2013 18,616 18,014 17,583 17,383 17,383 17,383 17,383 18,392 19,888 20,840 20,941 21,654 22,370 22,978 23,336 23,309 22,872 21,991 20,983 19,884 20,288 19,834 20,052 19,700 18,522	Wednesday T 6/19/2013 16,525 15,922 15,645 16,023 16,735 17,159 18,509 19,424 20,123 20,958 21,374 21,997 22,346 22,052 22,042 22,042 22,042 22,042 22,042 22,044 22,044 22,045 21,497 20,521 20,052 1,9628 18,297	Thursday F 6/20/2013 16,514 16,065 15,924 18,005 16,740 17,349 18,716 20,135 20,531 21,385 21,975 22,597 23,188 23,284 23,637 23,634 24,63524,635 24,645 24,645 24,645 24,645 24,64524,645 24,645 24,64524,645 24,645 24,64524,645 24,64524,645 24,64524,645 24	Friday 6/21/2013 17,523 17,194 16,876 16,831 17,359 19,132 20,676 21,989 23,056 24,254 23,056 24,254 23,056 24,254 25,316 26,219 26,363 26,150 26,249 26,363 26,150 25,619 24,787 24,036 22,880 22,705 21,679 18,306	Saturday 6/22/2013 16,593 16,387 15,852 15,389 15,401 15,248 16,452 18,076 19,529 21,161 22,415 23,194 23,748 24,127 24,818 25,226 25,360 24,555 22,990 21,773 21,736 20,459 18,209	Sunday 6/23/2013 15,293 14,536 14,188 13,672 13,745 13,693 14,168 15,158 16,963 20,008 21,093 21,820 22,609 23,669 24,18824,188 24,188 24,188 24,18824,188 24,188 24,18824,188 24,188 24,18824,188 24,188 24,18824,188 24,188 24,18824,188 24,188824,1888 24,188824,1888 24,188824,18885	Vionday 6/24/2013 18,758 18,136 18,047 17,987 18,416 18,937 21,216 22,827 24,258 25,413 26,770 28,087 28,087 28,087 28,673 28,647 28,647 28,54728,547 28,54728,547 28,547 28,54729,547 28,547 28,547 28,547 28,54729,547 28,547 28,54729,547 28,55	Tuesday 6/25/2013 19,795 19,150 18,579 18,622 19,321 19,857 21,374 22,866 24,538 25,825 27,059 27,930 28,432 29,054 29,354 30,195 29,686 28,444 28,179 27,230 26,682 24,257 22,107 20,418 588,954	Wednesday 6/26/2013 19,333 18,850 18,356 18,268 19,057 19,808 21,354 22,539 23,610 24,330 24,928 24,948 25,343 26,121 27,212 27,359 26,594 25,006 24,183 23,778 22,633 21,070	Thursday 6/27/2013 18,966 18,573 18,161 18,129 18,833 19,941 21,236 22,711 24,349 25,567 26,407 27,207 27,302 27,709 28,322 28,968 28,969 28,969 28,969 28,966 28,102 26,907 25,548 24,615 23,544 21,663 20,471	Fnday 6/28/2013 19,592 18,638 18,097 18,222 18,912 19,304 20,700 22,250 23,424 24,548 24,548 24,548 24,548 26,704 26,638 26,704 26,315 26,382 22,947 21,347 20,412 19,533 19,775 19,086 17,253	Saturday 5 6/29/2013 14,331 13,790 13,713 13,660 13,757 13,463 14,116 15,363 16,443 17,306 17,749 17,919 18,041 18,000 18,192 18,326 16,245 16,54616,546 16,546 16,546 16,54616,546 16,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,54616,546 16,546 16,54616,546 16,54616,546 16,546 16,54616,546 16,54616,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16,54616,546 16	Sunday 6/30/2013 13,307 12,915 12,555 12,418 12,364 12,173 12,686 13,164 14,123 14,911 15,453 15,660 15,782 15,818 16,314 16,847 16,847 16,847 16,847 16,847 16,847 17,415 17,297 17,522 18,180 08,064 17,441	



Days 30		AL DEMAND =	30.195	MW						
	ACTU	AL ENERGY =	13,844	MWH						
]	DEMAND	ENERGY				EFFECTIVE
		DEMAND	ENERGY	LOAD	RATE	RATE	DEMAND	ENERGY	TOTAL	BATE
	SOURCE	MW	MWH	FACTOR	\$/KW	\$/MWH	CHARGE	CHARGE	CHARGES	\$/MWH
	(1)	(2)	(4)	(5)	(6)	(7)	(9)	(10)	(11)	(12)
1	NPP Pool Purchases	0.00	145	0%	\$0.00	\$1.45	\$0	\$210	\$210	\$1.45
2	NPP Pool Sales	0.00	-2,744	0%	\$0.00	\$38.05	\$0	-\$104,387	-\$104,387	\$38.05
3	AFEC	8.77	3,603	57%	\$7.38	\$35.82	\$64,712	\$129,043	\$193,755	\$53.78
4	Prairie State	4.98	2,323	65%	\$33.49	\$16.43	\$166,666	\$38,180	\$204,846	\$88.17
5	NYPA - Ohio	0.94	439	65%	\$4.72	\$10.17	\$4,451	\$4,465	\$8,917	\$20.31
6	JV5	3.09	2,223	100%	\$22.11	\$24.87	\$68,291	\$55,296	\$123,587	\$55.59
7	JV6	0.30	24	11%	\$15.78	\$0.00	\$4,734	\$0	\$4,734	\$200.68
8	Napoleon Solar	1.04	182	24%	\$0.00	\$85.00	\$0	\$15,482	\$15,482	\$85.00
9	AMPGS Replace 7x24	7.00	5,040	100%	\$0.00	\$61.11	\$0	\$307,994	\$307,994	\$61.11
10	AMPGS Replace 5x16	5.00	1,600	44%	\$0.00	\$70.86	\$0	\$113,379	\$113,379	\$70.86
11	Prairie State Replacement from Po	0.00	818	0%	\$0.00	\$41.43	\$0	\$33,880	\$33,880	\$41.43
12	AMPCT	12.40	72	1%	-\$0.62	\$0.00	-\$7,727	\$0	-\$7,727	-\$107.17
13	JV2	0.26	0	0%	-\$1.01	\$6.55	-\$267	\$1	-\$267	-\$3,174.19
	POWER TOTAL	43.78	13,725	44%			\$300,860	\$593,542	\$894,402	\$65.16
14	Energy Efficiency		0		\$0.00	\$0.00	\$0	\$38,168	\$38,168	\$0.00
15	Installed Capacity	32.51			\$1.21		\$39,263	\$0	\$39,263	\$2.84
16	TRANSMISSION	33.43	11,534		\$1.71	\$0.62	\$57,042	\$7,200	\$64,241	\$4.64
17	Distribution Charge	30.20			\$0.00	\$0.00	\$0	\$0	\$ 0	\$0.00
18	Service Fee B		13,844			\$0.48		\$6,645	\$6,645	\$0.48
19	Dispatch Charge		13,844			\$0.11		\$1,461	\$1,461	\$0.11
	OTHER TOTAL						\$96,305	\$53,474	\$149,779	\$10.82
GRAND TOTAL PURCHASE	D		13,725				\$397,165	\$647,016	\$1,044,181	T
Delivered to members		30.195	13,844	64%			\$397,165	\$647,016	\$1,044,181	\$75.42
		DEMAND	ENERGY	L.F.					TOTAL \$	\$/MWh
	2013 Forecast	31.62	14,287	63%					\$961,252	\$67.28
	2012 Actual	33.31	14,717	61%					\$982,933	\$66.79
	2011 Actual	31.51	14,235	63%					\$1,038,755	\$72.97



Omega Joint Venture Two	INVOICE NUMBER:	178389
1111 Schrock Rd, Suite 100	INVOICE DATE:	7/9/2013
COLUMBUS, OHIO 43229	DUE DATE:	7/19/2013
PHONE: (614) 540-1111	TOTAL AMOUNT DUE:	\$289.03
FAX: (614) 540-1078	CUSTOMER NUMBER:	5020
	CUSTOMER P.O. #:	
City of Napoleon Gregory J. Heath. Finance Director	PLEASE WRITE INVOICE NUMBER ON	

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

PLEASE WRITE INVOICE NUMBER ON REMITTANCE AND RETURN YELLOW INVOICE COPY. MAKE CHECK PAYABLE TO OMEGA JV 2

<u>OMEGA JV2 POWER INVOICE -</u>	<u>June, 2013</u>				Am	Do Not Pay Paid by E-Pay erican Municipal PWR Inc Ray Merrill 614-540-0914	
FIXED RATE CHARGE:	264	kW	*	\$1.07	/ kW =	=	\$282.53
ENERGY CHARGE: SERVICE FEES: Fuel Costs that were not recovered through Energ	0	kWh kWh <mark>ket</mark>		\$0.000000 \$0.000000			\$0.00 \$0.00 \$6.5 0

TOTAL CHARGES

\$289.03

OMEGA JV5		INVOICE NUMBER:	178318
OHIO MUNICIPAL ELECTRIC GENERATING ASSOCIATION		INVOICE DATE:	7/9/2013
1111 Schrock Rd, Suite 100 Columbus, Ohio 43229 Phone: (614) 540-1111	Do Not Pay Paid by E-Pay American Municipal PWR Inc	DUE DATE:	7/22/2013
Fax: (614) 540-1078	Ray Merrill 614-540-0914	TOTAL AMOUNT DUE:	\$66,920.08
		CUSTOMER NUMBER:	5020
City of Napol Gregory J. Hea	eon th, Finance Director	CUSTOMER P.O. NUMBER:	BL980397
5,	ew Ave., P.O. Box 151	MAKE CHECKS PAYABLE TO:	OMEGA JV5

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

FOR THE MONTH/YEAR OF: June, 2013

DEMAND CHARGES:

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

Base Operating Expense Demand Charge: Seca Associated with JV5.	\$3.764245 \$0.000000	/ kW * / kW *	3,088 kW = 3,088 kW =	\$11,623.99 \$0.00
TOTAL DEMAND CHARGES:	\$3.764245	/ kW *	3,088 kW =	\$11,623.99
ENERGY CHARGES: JV5 Repl. Pwr. & Variable (Budgeted Rate): JV5 Fuel Cost (Actual Expense):	\$0.024871 \$0.000000	/ kWh * / kWh *	2,223,360 kWh = 2,223,360 kWh =	\$55,296.09 \$0.00
TOTAL ENERGY CHARGES:	\$0.024871	/ kWh *	2,223,360 kWh =	\$55,296.09

SUB-TOTAL

\$66,920.08

Total OMEGA JV5 Invoice:

\$66,920.08

CMEGA JV5		INVOICE NUMBER:		178360
OHIO MUNICIPAL ELECTRIC GENERATING ASSOCIATION		INVOICE DATE:		7/9/2013
1111 Schrock Rd, Suite 100 Columbus, Ohio 43229 Dearge (C14) 540 4111		DUE DATE:		7/22/2013
Phone: (614) 540-1111 Fax: (614) 540-1078		TOTAL AMOUNT DUE:		\$64,474.06
		CUSTOMER NUMBER:		5020
City of Napoleon		CUSTOMER P.O. NUMBER:		BL980397
Gregory J. Heath, Finance Director 255 W. Riverview Ave., P.O. Box 151 Napoleon, Ohio 43545-0151		MAKE CHECKS PAYABLE TO:		OMEGA JV5
		VOICE NUMBER ON REMITTANCE		
Debt Service - OMEGA JV5	AND RETURN YELL	OW INVOICE COPY.		
FOR THE MONTH/YEAR OF: July. 2013				
Financing CHARGES:	¢40.000445	(1.)	2 000 1/1/	¢44.000.20
Base Financing Principal Payment: Base Financing Interest Payment:	\$13.306145 \$7.572760		3,088 kW = 3,088 kW =	\$41,089.38 \$23,384.68
TOTAL Financing CHARGES:	\$20.878905	/ kW *	3,088 kW =	\$64,474.06
SUB-TOTAL				\$64,474.06

Total OMEGA JV5 Financing Invoice:

\$64,474.06



AMERICAN MUNICIPAL POWER, INC.

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

INVOICE NUMBER:	178284
INVOICE DATE:	7/1/2013
DUE DATE:	7/15/2013
TOTAL AMOUNT DUE:	\$3,531.00
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.

<u>Omega JV6</u> Project Capacity:	300 kW		Do Not Pay Paid by E-Pay American Municipal PWR Inc Ray Merrill 614-540-0914
Year 2013			
Demand Charge 300 Kw * 11	1.77 per kW-Month		<u>Total</u>
AMOUNT DUE FOR : Ju	uly, 2013 -	Principal Interest	\$3,502.37 \$28.63

\$3,531.00



AMERICAN MUNICIPAL POWER, INC.

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

INVOICE NUMBER:	178274
INVOICE DATE:	7/1/2013
DUE DATE:	7/15/2013
TOTAL AMOUNT DUE:	\$1,352.13
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			Do Not Pay Paid by E-Pay American Municipal PWR Inc
Project Capacity:	300 kW		Ray Merrill
Year 2013			614-540-0914
Electric Fixed	300 Kw * 4.51 per kW-Month		Total
	July, 2013 -	Electric Fixed	\$1,352.13

AMOU	NT	DUE	E FO	R :

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\$1,352.13

BILLING DETERMINAN	TS fo	r BILL	ING CYC	LE - AUG	<u>AUST, 20</u>	<u>)13</u>									
AUGUST, 2013															
2013 - AUGUST BILLING WITH JULY 2	013 DAT	1	i UNITS				0								-
		Jul-13					Cost / kWH	-				Sep-12			
Class and/or	Rate	# of	Jul-13	Jul-13	Billed kVa		Prior 12 Mo	# of	Aug-12	Aug-12	Cost / kWH	# of	Sep-12	Sep-12	Cost / kWH
<u>Schedule</u>	Code	Bills	(kWh Usage)	Billed	of Demand	For Month	Average		(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month
Residential (Dom-In)	E1	3,329	2,109,409	\$238,024.02		\$0.1128		3,339	3,411,297	\$366,730.13	\$0.1075	3,344	3,620,747	\$358,312.27	\$0.0990
Residential (Dom-In) w/Ecosmart	E1E	10	5,709	\$650.14	0	\$0.1139		0	0	\$0.00		0	-	\$0.00	\$0.0000
Residential (Dom-In - All Electric)	E2	610	381,054	\$43,044.41	0	\$0.1130		615	545,552	\$59,137.58	\$0.1084	619	563,097	\$56,318.53	
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	1	540	\$61.82	0	\$0.1145	\$0.1062	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000
Total Residential (Domestic)		3,950	2,496,712	\$281,780.39	0	\$0.1129	\$0.1052	3,954	3,956,849	\$425,867.71	\$0.1076	3,963	4,183,844	\$414,630.80	\$0.0991
Residential (Rural-Out)	ER1	740	649,817	\$77,628.41	0	\$0.1195		741	970,184	\$110,563.50	\$0.1140	742		\$99,400.69	\$0.1060
Residential (Rural-Out) w/Ecosmart	ER1E	4	2,379	\$297.24	0	\$0.1249		0	0	\$0.00	\$0.0000	0		\$0.00	\$0.0000
Residential (Rural-Out - All Electric)	ER2	388	369,258	\$43,788.90	0	\$0.1186		390	542,835	\$61,617.72	\$0.1135	392		\$55,985.23	\$0.1055
Res. (Rural-Out - All Electric) w/Ecosmar		2		\$140.92		\$0.1259		0	0	\$0.00		0		\$0.00	
Residential (Rural-Out w/Dmd)	ER3	15	14,299	\$1,694.10	117	\$0.1185	\$0.1100	15	12,915	\$1,522.70	\$0.1179	15	15,755	\$1,694.49	\$0.1076
Residential (Rural-Out - All Electric w/Dm	ER4	9	8,647	\$1,024.44	64	\$0.1185	\$0.1098	10	13,301	\$1,513.58	\$0.1138	10	15,314	\$1,601.77	\$0.1046
Total Residential (Rural)		 1,158	1,045,519	\$124,574.01	181	\$0.1192	\$0.1109	1,156	1,539,235	\$175,217.50	\$0.1138	1,159	1,499,155	\$158,682.18	\$0.1058
· _ · _ ·															
Commercial (1 Ph-In - No Dmd)	EC2	72	38,861	\$5,726.54	14	\$0.1474	\$0.1357	74	38,268	\$5,338.61	\$0.1395	76	41,162	\$5,325.38	\$0.1294
Commercial (1 Ph-Out - No Dmd)	EC2O	40	10,884	\$1,843.98	0	\$0.1694		40	10,737	\$1,730.38	\$0.1612	40		\$1,665.61	
Total Commercial (1 Ph) No Dmd		112	49,745	\$7,570.52	14	\$0.1522	\$0.1399	114	49,005	\$7,068.99	\$0.1443	116	52,204	\$6,990.99	\$0.1339
Commercial (1 Ph-In - w/Demand)	EC1	263	309,023	\$45,194.18	1937	\$0.1462	\$0.1290	265	384,111	\$50,773.99	\$0.1322	267	475,727	\$56,333.24	\$0.1184
Commercial (1 Ph-Out - w/Demand)	EC10	25	30,526	\$4,419.46		\$0.1448		27	39,329	\$5,135.90	\$0.1306	26		\$4,664.29	
Total Commercial (1 Ph) w/Demand		288	339,549	\$49,613.64	2,123	\$0.1461	\$0.1290	292	423,440	\$55,909.89	\$0.1320	293	514,705	\$60,997.53	\$0.1185
Commercial (3 Ph-Out - No Dmd)	EC4O	2	240	\$66.06	14	\$0.2753	\$0.1439	2	0	\$36.00	\$0.0000	2	0	\$36.00	\$0.0000
Total Commercial (2 Dh) No Dred		2	240		14	\$0.2753	¢0 1400		0		¢0,0000	2			¢0,0000
Total Commercial (3 Ph) No Dmd		2	240	\$66.06	14	\$0.2753	\$0.1439	2	U	\$36.00	\$0.0000	2	0	\$36.00	\$0.0000
O a managerial (O Dia la a ma (Da manageria)	500	005	4 500 550	\$100 F00 00	5 400	#0.4054	#0.4404	000	1 710 001	\$107.010.00	00 4454	004	4 007 000	\$100 005 00	#0.4050
Commercial (3 Ph-In - w/Demand)	EC3	205	1,522,550	\$190,539.80	5486	\$0.1251		200	1,712,964	\$197,216.69	\$0.1151	201	1,887,290	\$198,665.03	
Commercial (3 Ph-Out - w/Demand)	EC3O	32	188,637	\$25,562.32	1069	\$0.1355		33	246,714	\$29,088.11	\$0.1179	33		\$27,952.89	\$0.1096
Commercial (3 Ph-Out - w/Dmd.&Sub-St		2	126,840	\$14,799.24	396	\$0.1167	\$0.1052	2	114,120	\$12,626.93	\$0.1106	2	118,160	\$11,863.58	\$0.1004
Commercial (3 Ph-In - w/Demand, No Ta	EC3T	1	1,680	\$276.68	19	\$0.1647	\$0.1146	1	2,240	\$316.75	\$0.1414	1	5,800	\$595.53	\$0.1027
Total Commercial (3 Ph) w/Demand		240	1,839,707	\$231,178.04	6,970	\$0.1257	\$0.1122	236	2,076,038	\$239,248.48	\$0.1152	237	2,266,403	\$239,077.03	\$0.1055
			.,,	<i>v_01,110101</i>	0,010	\$01120 <i>1</i>	0		_,,	+200,210110	\$0.110L		_,,	+200,011100	<i>\\</i>
Large Power (In - w/Dmd & Rct)	EL1	24	2,586,195	\$250,122.74	6085	\$0.0967	\$0.0903	26	3,688,122	\$326,784.57	\$0.0886	26	3,773,782	\$313,758.19	\$0.0831
Large Power (In - w/Dmd & Rct, w/SbCr)		2		\$16,900.07	703	\$0.2395		2	46,080	\$5,325.11	\$0.1156	2		\$5,548.11	
Large Power (Out - w/Dmd & Rct)	EL10	1	73,980	\$8,336.45	226	\$0.1127	\$0.1080	1	110,520	\$11,325.25	\$0.1025	1	105,660	\$10,558.18	\$0.0999
Large Power (Out - w/Dmd & Rct, w/SbC		2			958	\$0.1043		2			\$0.0971				
				\$36,252.97					389,280	\$37,783.24		2		\$39,608.16	\$0.0901
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	2	81,493	\$7,169.32	143	\$0.0880	\$0.1194	2	71,310	\$14,087.70	\$0.1976	2	74,741	\$11,826.64	\$0.1582
Total Large Power		31	3,159,748	\$318,781.55		\$0.1009	\$0.0932	33	4,305,312	\$395,305.87	\$0.0918	33		\$381,299.28	\$0.0858
Industrial (In - w/Dmd & Rct, w/SbCr)	EI1	2	2,096,838	\$167,377.82	3624	\$0.0798	\$0.0786		1,234,535	\$93,694.76	\$0.0759	-	1,192,679	\$86,391.37	\$0.0724
		2										1			
Industrial (In - w/Dmd & Rct, No/SbCr)	El2	1	1,048,294	\$84,061.55	1856	\$0.0802	\$0.0822	1	790,574	\$67,201.22	\$0.0850		759,665	\$60,062.45	\$0.0791
Total Industrial		3	3,145,132	\$251,439.37	5,480	\$0.0799	\$0.0797	2	2,025,109	\$160,895.98	\$0.0795	2	1,952,344	\$146,453.82	\$0.0750
Interdepartmental (In - No Dmd)	ED1	52	88,992	\$9,067.37	19	\$0.1019	\$0.0954	49	86,356	\$8,635.64	\$0.1000	49	85,438	\$7,866.84	\$0.0921
								49							
Interdepartmental (Out - No Dmd)	ED10	1	0	\$0.00		\$0.0000		1	0	\$0.00		1	-	\$0.00	
Interdepartmental (In - w/Dmd)	ED2	20		\$25,781.92		\$0.0992		20	294,918	\$28,861.53				\$25,788.31	
Generators (JV2 Power Cost Only)	GJV2	1	12,330	\$356.95		\$0.0289		1	12,428	\$283.36		1		\$459.90	
Generators (JV5 Power Cost Only)	GJV5	1	12,330	\$356.95	23	\$0.0289	\$0.0000	1	9,101	\$207.50	\$0.0228	1	10,163	\$310.48	\$0.0306
Total Interdepartmental			373,454	\$35,563.19	1,095	\$0.0952	\$0.0892	72	402,803	\$37,988.03	\$0.0943	72	398,062	\$34,425.53	\$0.0865
SUB-TOTAL CONSUMPTION & DEMAN	ND	5,859	12,449,806	\$1,300,566.77		\$0.1045	\$0.0990	5,861	14,777,791	\$1,497,538.45	\$0.1013	5,877		\$1,442,593.16	
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Street Lights (In)	SLO	16		\$14.20		\$0.0000		16	0	\$14.20		16		\$14.20	
Street Lights (Out)	SLOO	2		\$0.77		\$0.0000	\$0.0000	2	0	\$0.77	\$0.0000	2	-	\$0.77	\$0.0000
Total Street Light Only		18	0	\$14.97	0	\$0.0000	\$0.0000	18	0	\$14.97	\$0.0000	18		\$14.97	\$0.0000
TOTAL CONSUMPTION & DEMAND	-		12,449,806	\$1,300,581.74	23,992	\$0.1045	\$0.0990	5,879	14,777,791	\$1,497,553.42	\$0.1013	5,895	15,312,780	\$1,442,608.13	\$0.0942
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BILLING DETERMINANTS

BILLING DETERMINANTS for																	
AUGUST, 2013																	
2013 - AUGUST BILLING WITH JULY 2013 DATA																	
	Oct-12				Nov-12				Dec-12				Jan-13				Feb-13
Class and/or Rate	# of	Oct-12	Oct-12	Cost / kWH	# of	Nov-12	Nov-12	Cost / kWH	# of	Dec-12	Dec-12	Cost / kWH	# of	Jan-13	Jan-13	Cost / kWH	# of
Schedule Code	Bills	(kWh Usage)	Billed	For Month		(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month	Bills
Residential (Dom-In) E1	3,345	2,734,209	\$260,427.08	\$0.0952	3,340	1,712,390	\$175,969.61	\$0.1028	3,356	1,965,727	\$233,374.50	\$0.1187	3,346	2,133,099	\$239,663.29	\$0.1124	3,345
Residential (Dom-In) w/Ecosmart E1E	0	0	\$0.00		0	0	\$0.00		0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0
Residential (Dom-In - All Electric) E2 Res.(Dom-In - All Elec.) w/Ecosmart E2E	615	457,148	\$43,877.60 \$0.00	\$0.0960	616	326,201	\$33,400.85 \$0.00	\$0.1024 \$0.0000	622	475,726	\$55,336.67 \$0.00	\$0.1163 \$0.0000	613	566,345	\$61,973.79	\$0.1094	610
Res.(Dom-In - All Elec.) w/Ecosmart E2E	U	U	φ0.00	\$0.0000	U	U	φ0.00	φ0.0000	0	U	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0
Total Residential (Domestic)	3,960	3,191,357	\$304,304.68	\$0.0954	3,956	2,038,591	\$209,370.46	\$0.1027	3,978	2,441,453	\$288,711.17	\$0.1183	3,959	2,699,444	\$301,637.08	\$0.1117	3,955
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Residential (Rural-Out) ER1	739	764,117	\$78,154.40	\$0.1023	740	535,533	\$58,690.66	\$0,1096	738	687,628	\$85,202.59	\$0.1239	737	750,656	\$88,165.09	\$0.1175	737
Residential (Rural-Out) w/Ecosmart ER1E	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0		\$0.00	\$0.0000	0
Residential (Rural-Out - All Electric) ER2	391	425,422	\$43,300.05	\$0.1018	390	333,451	\$35,806.28	\$0.1074	390	442,218	\$53,949.94	\$0.1220	389	492,368	\$56,884.99	\$0.1155	389
Res. (Rural-Out - All Electric) w/Ecosmar ER2E	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	0
Residential (Rural-Out w/Dmd) ER3	15	14,186	\$1,462.41	\$0.1031	15	16,892	\$1,765.68	\$0.1045	15	88,829	\$10,166.91	\$0.1145	15	112,961	\$12,250.97	\$0.1085	15
Residential (Rural-Out - All Electric w/Dm ER4	10	12,246	\$1,233.89	\$0.1008	10	15,361	\$1,568.48	\$0.1021	10	24,324	\$2,848.41	\$0.1171	10	15,440	\$1,760.32	\$0.1140	10
								* 0.4000				* 2 (22)				* *****	
Total Residential (Rural)	1,155	1,215,971	\$124,150.75	\$0.1021	1,155	901,237	\$97,831.10	\$0.1086	1,153	1,242,999	\$152,167.85	\$0.1224	1,151	1,371,425	\$159,061.37	\$0.1160	1,151
Commercial (1 Ph In No Dmd) EC2	74	40 740	¢4.064.05	¢0 1010	70	21 227	¢4 000 10	¢0 1095	71	25.051	¢E 4E4 44	¢0 1501	70	41 200	¢5 027 20	¢0 1497	76
Commercial (1 Ph-In - No Dmd) EC2 Commercial (1 Ph-Out - No Dmd) EC2O	74 40	40,749 11,306	\$4,964.05 \$1,612.70	\$0.1218 \$0.1426	73 40	31,337 10,055	\$4,028.13 \$1,493.07	\$0.1285 \$0.1485	71 40	35,851 15,970	\$5,454.44 \$2,531.11	\$0.1521 \$0.1585	72 40	41,306 11,373	\$5,937.20 \$1,878.72	\$0.1437 \$0.1652	76 40
	40	11,300	φι,σι2.70	φU.1420	40	10,000	φ1,493.07	φυ. 1483	40	15,970	φ2,001.11	φU.1060	40	11,373	φ1,070.72	φυ.1002	40
Total Commercial (1 Ph) No Dmd	114	52,055	\$6,576.75	\$0.1263	113	41,392	\$5,521.20	\$0.1334	111	51,821	\$7,985.55	\$0.1541	112	52,679	\$7,815.92	\$0.1484	116
		02,000	<i>40,010.10</i>	\$0.1200		41,002	<i>40,021.20</i>	ψ0.1004		01,021	<i><i><i>q</i></i>,,000.00</i>	φ0.10- 1 1		02,073	<i>41,010.3E</i>	Ψ 0.1 -10 1	L
Commercial (1 Ph-In - w/Demand) EC1	265	408,645	\$46,613.93	\$0.1141	263	314,268	\$38,600.36	\$0.1228	263	296,697	\$44,055.55	\$0.1485	264	307,175	\$43,257.37	\$0.1408	265
Commercial (1 Ph-Out - w/Demand) EC10	26	34,073	\$3,988.01	\$0.1170	26	29.657	\$3,658.55	\$0.1234	26	29,713	\$4,457.13	\$0.1500	26	33,681	\$4,729.38	\$0.1404	26
Total Commercial (1 Ph) w/Demand	291	442,718	\$50,601.94	\$0.1143	289	343,925	\$42,258.91	\$0.1229	289	326,410	\$48,512.68	\$0.1486	290	340,856	\$47,986.75	\$0.1408	291
Commercial (3 Ph-Out - No Dmd) EC4O	2	0	\$36.00	\$0.0000	2	0	\$36.00	\$0.0000	2	2,920	\$410.70	\$0.1407	2	13,000	\$1,629.07	\$0.1253	2
Total Commercial (3 Ph) No Dmd	2	0	\$36.00	\$0.0000	2	0	\$36.00	\$0.0000	2	2,920	\$410.70	\$0.1407	2	13,000	\$1,629.07	\$0.1253	2
Commercial (3 Ph-In - w/Demand) EC3	199	1,944,847	\$192,197.43	\$0.0988	201	1,649,795	\$166,153.20	\$0.1007	202	1,433,364	\$186,473.94		203	1,441,090	\$177,112.82	\$0.1229	201
Commercial (3 Ph-Out - w/Demand) EC30	33	246,609	\$25,302.69	\$0.1026	32	320,986	\$33,186.01	\$0.1034	31	467,956	\$56,885.58	\$0.1216	31	316,485	\$39,299.72	\$0.1242	32
Commercial (3 Ph-Out - w/Dmd.&Sub-St E3SO Commercial (3 Ph-In - w/Demand, No Ta EC3T	2	128,440 5,440	\$11,814.46 \$522.80	\$0.0920 \$0.0961	2	132,080 4,040	\$12,068.67 \$415.97	\$0.0914 \$0.1030	2	125,840 1,680	\$14,959.29 \$243.69	\$0.1189 \$0.1451	2	112,640 1,720	\$12,946.77 \$217.00	\$0.1149 \$0.1262	2
Commercial (3 PTI-III - W/Demand, No Ta ECST	1	5,440	φ022.00	φ0.0901	1	4,040	φ410.97	φ0.1030	1	1,000	φ 243.09	\$0.1451	1	1,720	φ217.00 	φ0.1202	
Total Commercial (3 Ph) w/Demand	235	2,325,336	\$229,837.38	\$0.0988	236	2,106,901	\$211,823.85	\$0.1005	236	2,028,840	\$258,562.50	\$0.1274	237	1,871,935	\$229,576.31	\$0.1226	236
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Large Power (In - w/Dmd & Rct) EL1	26	3,858,546	\$305,788.43	\$0.0792	26	3,585,563	\$295,809.50	\$0.0825	24	2,459,872	\$259,171.51	\$0.1054	24	2,336,414	\$234,867.97	\$0.1005	24
Large Power (In - w/Dmd & Rct, w/SbCr) EL2	2	67,080	\$8,021.35	\$0.1196	2	73,560	\$8,298.94	\$0.1128	2	76,560	\$11,468.48	\$0.1498	2	116,280	\$15,769.19	\$0.1356	2
Large Power (Out - w/Dmd & Rct) EL10	1		\$8,129.96	\$0.0957	1	57,780	\$6,358.18	\$0.1100	1	64,260	\$8,346.49	\$0.1299	1	67,860	\$8,145.59	\$0.1200	1
Large Power (Out - w/Dmd & Rct, w/SbC EL2O	2		\$33,918.49	\$0.0857	2	342,720	\$31,080.96	\$0.0907	2	386,880	\$40,465.13	\$0.1046	2		\$34,182.86	\$0.1064	2
Large Power (In - w/Dmd & Rct, w/SbCr) EL3	2	72,978	\$11,884.43	\$0.1628	2	56,780	\$6,162.01	\$0.1085	2	38,400	\$4,273.20	\$0.1113	2	48,010	\$4,564.35	\$0.0951	2
Total Large Power	33	4,479,324	\$367,742.66	\$0.0821	33	4,116,403	\$347,709.59	\$0.0845	31	3,025,972	\$323,724.81	\$0.1070	31	2,889,684	\$297,529.96	\$0.1030	31
	4	1 1 17 100	¢00.001.10	¢0.0705	-	1 100 000	¢00.000.40	¢0.0707	0	0.075.000	¢100.054.70	¢0.0001	0	0.000.000	¢107 770 00	¢0,0000	
Industrial (In - w/Dmd & Rct, w/SbCr) EI1 Industrial (In - w/Dmd & Rct, No/SbCr) EI2	1	1,147,180 722,186	\$80,891.19 \$56,299.68	\$0.0705 \$0.0780	1	1,100,838 412.665	\$80,039.40 \$37,114.15	\$0.0727 \$0.0899	2	2,075,060 802,864	\$182,854.76 \$72,710.19	\$0.0881 \$0.0906	2	2,000,088 675,253	\$167,772.33 \$65,680.44	\$0.0839 \$0.0973	
Industrial (III - W/DIIId & RCI, NO/SDCI) EIZ		722,100	\$30,299.00 	φ0.0760		412,000	\$37,114.15	\$0.0699		002,004	\$72,710.19	\$0.0906		675,255	φ00,000.44 	\$0.0973	
Total Industrial	2	1,869,366	\$137,190.87	\$0.0734	2	1,513,503	\$117,153.55	\$0.0774	3	2,877,924	\$255,564.95	\$0.0888	3	2,675,341	\$233,452.77	\$0.0873	3
	-	1,000,000	<i></i>	\$0.0701		.,0.0,000	<i></i>	<i>\</i>		_,0.1.,0_1	4200,001.00	\$0.0000		_,0.0,0	<i>4</i> 200 , 10 2	\$0.0070	-
Interdepartmental (In - No Dmd) ED1	49	85,346	\$7,372.78	\$0.0864	49	89,813	\$8,046.07	\$0.0896	49	117,123	\$12,512.08	\$0.1068	49	142,015	\$14,340.04	\$0.1010	48
Interdepartmental (Out - No Dmd) ED10	1	0	\$0.00		1	0	\$0.00		1	29	\$3.09		1	0	\$0.00	\$0.0000	1
Interdepartmental (In - w/Dmd) ED2	20	255,936	\$21,542.71	\$0.0842	20	197,249	\$17,159.98	\$0.0870	20	273,670	\$28,493.96	\$0.1041	20	298,536	\$29,457.66	\$0.0987	20
Generators (JV2 Power Cost Only) GJV2	2		\$445.05	\$0.0214	2	21,389	\$451.10		2	24,071	\$507.90	\$0.0211	1	18,361	\$871.96	\$0.0475	1
Generators (JV5 Power Cost Only) GJV5	1	12,583	\$269.78	\$0.0214	1	13,812	\$291.30	\$0.0211	1	15,853	\$334.50	\$0.0211	1	15,652	\$743.31	\$0.0475	
								A									
Total Interdepartmental	73	374,623	\$29,630.32	\$0.0791	73	322,263	\$25,948.45	\$0.0805	73	,	\$41,851.53	\$0.0972	72	474,564	\$45,412.97	\$0.0957	71
		10.050 750	¢1 050 071 05	#0.0000		11 204 015	¢1 057 050 11	#0.0000		10,400,005	¢1 077 404 74	0.1100	E 057	10 000 000	¢1 204 100 00	#0.1000	
SUB-TOTAL CONSUMPTION & DEMAND	5,865		\$1,250,071.35	\$0.0896	5,859	11,384,215		\$0.0929	5,876		\$1,377,491.74	\$0.1108	5,857	12,388,928	\$1,324,102.20	\$0.1069	5,856
	=				==								=				
Street Lights (In) SLO	16	0	\$14.20	\$0.0000	16	0	\$14.20	\$0.0000	16		\$14.20	\$0.0000	16	0	\$14.20	\$0.0000	10
Street Lights (III) SLO	2	0	\$14.20		2	0	-\$1.15		2	0	\$14.20		10	0	\$14.20	\$0.0000	10
			φ0.77					\$0.0000			ψ1.52	<i>\$0.0000</i>			φ0.77	<i>\$0.0000</i>	
Total Street Light Only	18	0	\$14.97	\$0.0000	18	0	\$13.05	\$0.0000	18	0	\$16.12	\$0.0000	18	0	\$14.97	\$0.0000	18
											· · · · · · · · · · · · · · · · · · ·						
TOTAL CONSUMPTION & DEMAND	5,883	13,950,750	\$1,250,086.32	\$0.0896	5,877	11,384,215	\$1,057,666.16	\$0.0929	5,894	12,429,085	\$1,377,507.86	\$0.1108	5,875	12,388,928	\$1,324,117.17	\$0.1069	5,874
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BILLING DETERMINAN	ITS fo	I															
AUGUST, 2013																	
2013 - AUGUST BILLING WITH JULY 2	2013 DAT	7															
					Mar-13				Apr-13				May-13				Jun-1
Class and/or	Rate	Feb-13	Feb-13	Cost / kWH	# of	Mar-13	Mar-13	Cost / kWH	# of	Apr-13	Apr-13	Cost / kWH	# of	May-13	May-13	Cost / kWH	# of
<u>Schedule</u>	Code	(kWh Usage)	Billed	For Month		(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month	Bills
Residential (Dom-In)	E1	2,364,247	\$259,452.84	\$0.1097	3,336	2,423,390	\$260,201.12		3,333	2,090,663	\$197,962.37	\$0.0947	3,337	2,097,825	\$219,312.32		3,3
Residential (Dom-In) w/Ecosmart	E1E	0	\$0.00	\$0.0000	0	0	\$0.00		9	4,389	\$427.66	\$0.0974	11	5,729	\$610.25		
Residential (Dom-In - All Electric)	E2	715,541	\$76,089.63	\$0.1063	617	812,108	\$84,159.34		616	693,037	\$62,664.43	\$0.0904	613	641,136	\$64,572.38		6
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	1	524	\$50.62	\$0.0966	1	530	\$56.35	\$0.1063	
Total Residential (Domestic)		3,079,788	\$335,542.47	\$0.1089	3,953	3,235,498	\$344,360.46	\$0.1064	3,959	2,788,613	\$261,105.08	\$0.0936	3,962	2,745,220	\$284,551.30) \$0.1037	3,9
Residential (Rural-Out)	ER1	890,190	\$101,656.64	\$0.1142	735	885,721	\$99,257.67	\$0.1121	732	765,492	\$76,050.05	\$0.0993	734	719,208	\$79,029.09	\$0.1099	7
Residential (Rural-Out) w/Ecosmart	ER1E	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	4	2,476	\$262.57	\$0.1060	4	2,425	\$281.94	\$0.1163	,
Residential (Rural-Out - All Electric)	ER2	608,114	\$68,290.80	\$0.1123	390	617,440	\$67,957.80	\$0.1101	388	538,258	\$52,196.52	\$0.0970	388	498,799	\$53,592.14	\$0.1074	3
Res. (Rural-Out - All Electric) w/Ecosman	ER2E	0	\$0.00	\$0.0000	0	0	\$0.00	\$0.0000	2	2,769	\$268.75	\$0.0971	2	2,457	\$264.95	\$0.1078	
Residential (Rural-Out w/Dmd)	ER3	19,557	\$2,220.41	\$0.1135	15	17,909	\$2,008.27	\$0.1121	15	20,188	\$1,960.63	\$0.0971	15	17,927	\$1,935.64	\$0.1080)
Residential (Rural-Out - All Electric w/Dm	ER4	11,785	\$1,348.57	\$0.1144	10	14,123	\$1,565.60	\$0.1109	10	11,484	\$1,131.27	\$0.0985	9	10,191	\$1,105.78	\$0.1085	
Total Residential (Rural)		1,529,646	\$173,516.42	\$0.1134	1,150	1,535,193	\$170,789.34	\$0.1112	1,151	1,340,667	\$131,869.79	\$0.0984	1,152	1,251,007	\$136,209.54	- \$0.1089	
Commercial (1 Ph-In - No Dmd)	EC2	45,976	\$6,511.14	¢0 1416	70	45,106	\$6,274.97	\$0.1391	70	38,742	\$4,511.90	¢0 1165	74	39,977	\$5,341.20	¢0 1006	
Commercial (1 Ph-In - No Drid) Commercial (1 Ph-Out - No Drid)	EC2 EC2O	13,986	\$2,185.06	\$0.1416 \$0.1562	73 40	45,106	\$0,274.97		73 40	38,742	\$4,511.90	\$0.1165 \$0.1320	74 40	12,208	\$5,341.20		
Commerciai (1 FII-Out - No Dillu)	E020		\$2,105.00	φ0.156z	40	14,740	φ2,240.99	φ0.1024	40	12,013	\$1,003.47	\$0.1320	40	12,200	φ1,040.5t	φ0.1506	
Total Commercial (1 Ph) No Dmd		59,962	\$8,696.20	\$0.1450	113	59,854	\$8,521.96	\$0.1424	113	51,355	\$6,177.37	\$0.1203	114	52,185	\$7,181.75	\$0.1376	1
Commercial (1 Ph-In - w/Demand)	EC1	335,728	\$45,919.15	\$0.1368	263	360,372	\$47,972.91	\$0.1331	264	329,663	\$36,106.83	\$0.1095	264	336.852	\$42,423.48	\$0.1259	2
Commercial (1 Ph-Out - w/Demand)	EC10	37,944	\$5,136.07	\$0.1354	26	41,784	\$5,425.31		25	36,571	\$3,930.20	4 · · · ·	25	38,246	\$4,721.23		_
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Total Commercial (1 Ph) w/Demand		373,672	\$51,055.22	\$0.1366	289	402,156	\$53,398.22	\$0.1328	289	366,234	\$40,037.03	\$0.1093	289	375,098	\$47,144.71	\$0.1257	2
Commercial (3 Ph-Out - No Dmd)	EC4O	3,680	\$483.82	\$0.1315	2	920	\$146.23	\$0.1589	2	0	\$36.00	\$0.0000	2	0	\$36.00	\$0.0000	
																-	
Total Commercial (3 Ph) No Dmd		3,680	\$483.82	\$0.1315	2	920	\$146.23	\$0.1589	2	0	\$36.00	\$0.0000	2	0	\$36.00	\$0.0000	
Commercial (3 Ph-In - w/Demand)	EC3	1,415,555	\$171,941.74	\$0.1215	202	1,496,700	\$177,083.58	\$0.1183	203	1,523,802	\$140,831.75		203	1,419,100	\$158,157.82		2
Commercial (3 Ph-Out - w/Demand)	EC3O	258,267	\$32,631.27	\$0.1263	32	243,207	\$29,263.52	\$0.1203	32	203,149	\$19,833.07	\$0.0976	32	186,793	\$22,279.26		
Commercial (3 Ph-Out - w/Dmd.&Sub-St	E3SO	99,960	\$11,629.87	\$0.1163	2	126,080	\$14,058.81		2	122,120	\$10,469.14		2	120,320	\$12,405.22		
Commercial (3 Ph-In - w/Demand, No Ta	EC3T	1,680	\$209.25	\$0.1246	1	1,720	\$209.07	\$0.1216	1	1,880	\$181.30	\$0.0964	1	1,720	\$199.71	\$0.1161	
Total Commercial (3 Ph) w/Demand		1 775 460	\$216,412.13	¢0 1010	237	1,867,707	\$220,614.98		238	1,850,951	\$171,315.26	\$0.0926	238	1 707 000	\$193,042.01	- \$0.1117	2
Total Commercial (3 Ph) w/Demand		1,775,462	\$210,412.13	\$0.1219	231	1,867,707	\$220,014.90	\$0.1181	238	1,850,951	\$171,315.20	\$0.0926	238	1,727,933	\$193,042.01	\$0.1117	2
Large Power (In - w/Dmd & Rct)	EL1	2,130,951	\$217,738.62	\$0.1022	24	2,384,166	\$222,962.86	\$0.0935	24	2,177,534	\$182,408.30	\$0.0838	24	2,404,599	\$217,506.43	\$0.0905	5
Large Power (In - w/Dmd & Rct, w/SbCr)	EL1	112,800	\$16,271.65	\$0.1022	24	2,364,100	\$16,341.57		24	131,880	\$13,656.03	\$0.0838	24	132,600	\$16,765.37		
Large Power (Out - w/Dmd & Rct)	EL10	73,980	\$8,268.95	\$0.1443	1	75,600	\$8,125.95	\$0.1075		67,500	\$6,559.22	\$0.0972	2 1	71,460	\$7,531.24		
Large Power (Out - w/Dmd & Rct, w/SbC		247,200	\$29,689.86	\$0.1201	2	365,280	\$34,931.58		2	308,160	\$26,691.09	\$0.0866	2	318,720	\$30,410.72		
Large Power (In - w/Dmd & Rct, w/SbCr)		76,411	\$12,654.57	\$0.1656	2	100,243	\$8,296.98		2	86,908	\$6,367.78	-	2	90,318	\$7,414.58		
			φ12,004.07	\$0.1000			φ0,200.00	\$0.00L0			φ0,007.70	φ0.0700				φ0.0021	
Total Large Power		2,641,342	\$284,623.65	\$0.1078	31	3,070,009	\$290,658.94	\$0.0947	31	2,771,982	\$235,682.42	\$0.0850	31	3,017,697	\$279,628.34	\$0.0927	
	514	1 000 0 10	A 150 000 01	** *** *			A 170 001 00	** • • • • •			A 4 9 9 7 5 9 9	* 0.0700		1 00 1 070	A. 10 570 51	** • • • • •	
Industrial (In - w/Dmd & Rct, w/SbCr)	El1	1,929,342	\$159,002.64	\$0.0824	2	2,148,544	\$170,661.02		2	1,874,085	\$132,752.83	\$0.0708	2	1,831,272	\$143,570.51		
Industrial (In - w/Dmd & Rct, No/SbCr)	El2	622,773	\$57,971.33	\$0.0931		945,406	\$75,862.73	\$0.0802	1	904,991	\$63,892.85	\$0.0706	1	946,167	\$73,216.13	\$0.0774	
Total Industrial		2,552,115	\$216,973.97	\$0.0850	3	3,093,950	\$246,523.75	\$0.0797	3	2,779,076	\$196,645.68	\$0.0708	3	2,777,439	\$216,786.64	\$0.0781	
Interdepartmental (In - No Dmd)	ED1	158,448	\$15,737.81	\$0.0993	48	180,191	\$17,500.60	\$0.0971	49	163,603	\$13,602.92	\$0.0831	49	146.880	\$13,667.99	\$0.0931	
Interdepartmental (Out - No Dmd)	ED10	0	\$0.00	\$0.0000	1	0	\$0.00		1	00,000	\$0.00	-		140,000	\$11.64		t
Interdepartmental (In - w/Dmd)	ED2	339,370	\$32,854.61	\$0.0968	20	385,094	\$36,500.01		20	349,500			20	343,092	\$31,180.79		
Generators (JV2 Power Cost Only)	GJV2	21,029	\$1,176.57	\$0.0559	1	23,895	\$475.27		1	20,402	\$578.80		1	19,246	\$807.18		
Generators (JV5 Power Cost Only)	GJV5	18,257	\$1,021.48	\$0.0560	1	20,530	\$408.34	\$0.0199	1	17,579	\$498.72	\$0.0284	1	16,701	\$700.44	\$0.0419	
																-	
Total Interdepartmental		537,104	\$50,790.47	\$0.0946	71	609,710	\$54,884.22	\$0.0900	72	551,084	\$43,040.74	\$0.0781	72	526,044	\$46,368.04	\$0.0881 -	
SUB-TOTAL CONSUMPTION & DEMA	ND	12,552,771	\$1,338,094.35 ======	\$0.1066	5,849 ==	13,874,997	\$1,389,898.10		5,858 =	12,499,962			5,863	12,472,623	\$1,210,948.33		5,8
Street Lights (In)	SLO	0	\$14.20	\$0.0000	16	0			16	0			16	0	\$14.20		
Street Lights (Out)	SLOO	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000	2	0	\$0.77	\$0.0000	-
Total Street Light Only		0	\$14.97	\$0.0000	18	0	\$14.97	\$0.0000	18	0	\$14.97	\$0.0000	18	0	\$14.97	- \$0.0000	
TOTAL CONSUMPTION & DEMAND		10 550 771				12 974 007				12 400 000				12,472,623			
TO TAL CONSOME HON & DEMAND	I	12,552,771	\$1,338,109.32	φ0.1006	5,867	13,874,997	\$1,308,813.0 <i>1</i>	φ0.1002	5,876	12,499,962	\$1,085,924.34	φυ.υο69	5,881	12,472,023	\$1,210,963.30	φυ.υσ/Τ	5,8

BILLING DETERMINAN	TS fo	<u>t</u>										
AUGUST, 2013 2013 - AUGUST BILLING WITH JULY 2	012 047	/										
2013 - AUGUST BILLING WITH JULT 2	UIS DAT	~		l	Jul-13				Average	TOTAL	TOTAL	Avg.Cost
Class and/or	Rate	Jun-13	Jun-13	Cost / kWH	# of	Jul-13	Jul-13	Cost / kWH	# of	KWH USEAGE	BILLING	Per kWH
Schedule	Code	(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month	Bills	PRIOR 12 MO	PRIOR 12 MO	For Period
Residential (Dom-In)	E1	1,765,993	\$190,084.46	\$0.1076	3,329	2,109,409	\$238,024.02	\$0.1128	3,339	28,428,996	\$2,999,514.01	
Residential (Dom-In) w/Ecosmart	E1E	5,045	\$552.04		10		\$650.14		3	20,872	\$2,240.09	
Residential (Dom-In - All Electric)	E2	413,084	\$43,487.63	\$0.1053	610		\$43,044.41		615	6,590,029	\$684,062.84	
Res.(Dom-In - All Elec.) w/Ecosmart	E2E	553	\$59.28	\$0.1072	1	540	\$61.82		0	2,147	\$228.07	
Total Residential (Domestic)		2,184,675	\$234,183.41	\$0.1072	3,950	2,496,712	\$281,780.39	\$0.1129	3,957	35,042,044	\$3,686,045.01	\$0.1052
Residential (Rural-Out)	ER1	602,361	\$68,227.84		740	649,817	\$77,628.41	\$0.1195	737	9,158,388	\$1,022,026.63	
Residential (Rural-Out) w/Ecosmart	ER1E	2,177	\$260.10		4	2,379	\$297.24		1	9,457	\$1,101.85	
Residential (Rural-Out - All Electric)	ER2	389,087	\$43,185.77		388		\$43,788.90	\$0.1186	389	5,787,855	\$636,556.14	
Res. (Rural-Out - All Electric) w/Ecosmar		1,394	\$160.85		2		\$140.92	\$0.1259	0	7,739	\$835.47	
Residential (Rural-Out w/Dmd)	ER3	20,251	\$2,193.46		15		\$1,694.10	\$0.1185	15	371,669	\$40,875.67	
Residential (Rural-Out - All Electric w/Dm	ER4	8,961 	\$995.26	\$0.1111	9	8,647	\$1,024.44	\$0.1185	9	161,177	\$17,697.37	\$0.1098
Total Residential (Rural)		1,024,231	\$115,023.28	\$0.1123	1,158	1,045,519	\$124,574.01	\$0.1192	1,151	15,496,285	\$1,719,093.13	\$0.1109
Commercial (1 Ph-In - No Dmd)	EC2	38,351	\$5,151.02	\$0.1343	72	38,861	\$5,726.54	\$0.1474	73	475,686	\$64,564.58	\$0.1357
Commercial (1 Ph-Out - No Dmd)	EC2O	11,514	\$1,765.50		40	10,884	\$1,843.98		40	146,436	\$22,459.14	
Total Commercial (1 Ph) No Dmd		49,865	\$6,916.52	\$0.1387	112	49,745	\$7,570.52	\$0.1522		622,122	\$87,023.72	\$0.1399
		49,005	\$0,910.52	φU.1307	112	49,745	\$7,570.52	\$U.1522	113	022,122	\$67,023.72	φU.1399
Commercial (1 Ph-In - w/Demand)	EC1	299,825	\$39,112.08	\$0.1304	263	309,023	\$45,194.18	\$0.1462	264	4,158,086	\$536,363.07	\$0.1290
Commercial (1 Ph-Out - w/Demand)	EC10	32,186	\$4,099.52	\$0.1274	25	30,526	\$4,419.46	\$0.1448	25	422,688	\$54,365.05	\$0.1286
Total Commercial (1 Ph) w/Demand		332,011	\$43,211.60	\$0.1302	288	339,549	\$49,613.64	\$0.1461	289	4,580,774	\$590,728.12	\$0.1290
Commercial (3 Ph-Out - No Dmd)	EC4O	40	\$40.46	\$1.0115	2	240	\$66.06	\$0.2753	2	20,800	\$2,992.34	\$0.1439
	20.0											
Total Commercial (3 Ph) No Dmd		40	\$40.46	\$1.0115	2	240	\$66.06	\$0.2753	2	20,800	\$2,992.34	\$0.1439
Commercial (3 Ph-In - w/Demand)	EC3	1,457,724	\$162,428.10	\$0.1114	205	1,522,550	\$190,539.80	\$0.1251	202	18,904,781	\$2,118,801.90	\$0.1121
Commercial (3 Ph-Out - w/Demand)	EC3O	177,589	\$21,198.29	\$0.1194	32	188,637	\$25,562.32	\$0.1355	32	3,111,545	\$362,482.73	\$0.1165
Commercial (3 Ph-Out - w/Dmd.&Sub-St	E3SO	113,360	\$11,819.71		2		\$14,799.24		2	1,439,960	\$151,461.69	
Commercial (3 Ph-In - w/Demand, No Ta	EC3T	1,680	\$195.58	\$0.1164	1	1,680	\$276.68	\$0.1647	1	31,280	\$3,583.33	\$0.1146
Total Commercial (3 Ph) w/Demand		1,750,353	\$195,641.68	\$0.1118	240	1,839,707	\$231,178.04	\$0.1257	237	23,487,566	\$2,636,329.65	\$0.1122
Large Power (In - w/Dmd & Rct)	EL1	2,366,148	\$220,686.44	\$0.0933	24	2,586,195	\$250,122.74	\$0.0967	24	33,751,892	\$3,047,605.56	\$0.0903
Large Power (In - w/Dmd & Rct, w/SbCr)	EL2	153,120	\$20,722.60	\$0.1353	24		\$16,900.07		24	1,177,680	\$155,088.47	
Large Power (Out - w/Dmd & Rct)	EL10	63,000	\$7,341.06		1	73,980	\$8,336.45		1	916,560	\$99,026.52	
Large Power (Out - w/Dmd & Rct, w/SbC	EL2O	336,240	\$33,310.20	\$0.0991	2		\$36,252.97	\$0.1043	2	4,198,320	\$408,325.26	
Large Power (In - w/Dmd & Rct, w/SbCr)	EL3	82,656	\$10,416.43		2		\$7,169.32	\$0.0880	2	880,248	\$105,117.99	
· /												
Total Large Power		3,001,164	\$292,476.73	\$0.0975	31	3,159,748	\$318,781.55	\$0.1009	31	40,924,700	\$3,815,163.80	\$0.0932
Industrial (In - w/Dmd & Rct, w/SbCr)	El1	1,934,737	\$150,696.77	\$0.0779	2	2,096,838	\$167,377.82	\$0.0798	1	20,565,198	\$1,615,705.40	\$0.0786
Industrial (In - w/Dmd & Rct, No/SbCr)	El2	1,023,891	\$79,602.02	\$0.0777	1	1,048,294	\$84,061.55	\$0.0802	1	9,654,729	\$793,674.74	\$0.0822
					-							
Total Industrial		2,958,628	\$230,298.79	\$0.0778	3	3,145,132	\$251,439.37	\$0.0799	2	30,219,927	\$2,409,380.14	\$0.0797
Interdepartmental (In - No Dmd)	ED1	107,189	\$10,148.70	\$0.0947	52	88,992	\$9,067.37	\$0.1019	49	1,451,394	\$138,498.84	\$0.0954
Interdepartmental (Out - No Dmd)	ED10	0	\$0.00		1	00,002	\$0.00	-	1	154	\$14.73	
Interdepartmental (In - w/Dmd)	ED2	256,556	\$23,611.11		20		\$25,781.92		20	3,541,130	\$329,592.89	
Generators (JV2 Power Cost Only)	GJV2	6,054	\$226.60		1	12,330	\$356.95		1	215,017	\$6,640.64	
Generators (JV5 Power Cost Only)	GJV5	13,337	\$499.20		1	12,330	\$356.95		1	175,898	\$5,642.00	
Total Interdepartmental		383,136	\$34,485.61	\$0.0900	75	373,454	\$35,563.19	\$0.0952	72	5,383,593	\$480,389.10	\$0.0892
SUB-TOTAL CONSUMPTION & DEMAI		11,684,103	\$1,152,278.08		5,859		\$1,300,566.77		5,854		\$15,427,145.01	
		11,084,103	\$1,152,278.08			12,449,606	\$1,300,386.77	ψ0.1043	3,034	===========	\$15,427,145.01	ψ0.0990
Stroot Lights (In)	91.0		¢14.00	\$0.0000	10		00 k F4	¢0.0000	10	~	¢170.40	\$0,0000
Street Lights (In)	SLO SLOO	0	\$14.20		16		\$14.20 \$0.77		16	0	\$170.40 \$8.47	
Street Lights (Out)	5LUU	0	\$0.77	ΦΟ.ΟΟΟΟ	2		\$0.77	\$0.0000	2		\$8.47	\$0.0000
Total Street Light Only		0	\$14.97	\$0.0000	18	0	\$14.97	\$0.0000	18	0	\$178.87	\$0.0000
TOTAL CONSUMPTION & DEMAND		11,684,103	\$1,152,293.05	\$0.0986	5,877	12,449,806	\$1,300,581.74	\$0.1045	5,872	155,777,811	\$15,427,323.88	\$0.0990
· · · · · · · · · · · · · · · · · · ·												





RATE REVIEW COMPARISONS

2013 AUGUST - BILLING Rate Comparisons to Prior Mo				ARISONS TO	PRIOR PERIC									
nale compansons to Phor Mo			or Same Periou											
			Current	Prior Month	Prior Year			Current	Prior Month	Prior Year				
	Service	Service	August	July	August	Service	Service	August	July	August				
Customer Type	Usage	Units	2013 Rate	2013 Rate	2012 Rate	Usage	Units	2013 Rate	2013 Rate	2012 Rate				
	<u></u>													
<u>Customer Type -></u>		RESID	ENTIAL USEI	R - (w/Gas Hea	nt)	RESIDENTIAL USER - (All Electric)								
Electric Customer Charge			\$6.00	\$6.00	\$6.00		\$6.00 \$6.00							
Distribution			\$16.53	\$16.53	\$16.53			\$33.39	\$33.39	\$33.39				
Demand														
Generation	978	kWh	\$85.21	\$80.02	\$78.34	1,976	kWh	\$172.17	\$161.68	\$158.28				
kWH Tax- Level 1			\$4.55	\$4.55	\$4.55			\$9.19	\$9.19	\$9.19				
kWH Tax- Level 2														
kWH Tax- Level 3														
Total Electric			\$112.29	\$107.10	\$105.42		-	\$220.75	\$210.26	\$206.86				
			<i>φ112.23</i>	<i><i><i>φ</i>107.10</i></i>	φ10 3. 42			<i>\$</i> 220.75	φ210.20	φ200.00				
Water	6	CCF	\$39.57	\$39.57	\$37.71	11	CCF	\$63.07	\$63.07	\$59.75				
Sewer	6	CCF	\$54.58	\$54.58	\$54.58	11	CCF	\$76.78	\$76.78	\$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			\$121.65	\$121.65	\$119.79			\$167.35	\$167.35	\$164.03				
Total Billing - All Services			\$233.94	\$228.75	\$225.21		-	\$388.10	\$377.61	\$370.89				
Verification Totals->			\$233.94	\$228.75	\$225.21			\$388.10	\$377.61	\$370.89				
Vernication Totals->			φ200.94	Cr.Mo to Pr.Mo	Cr.Yr to Pr.Yr			φ300.10	Cr.Mo to Pr.Mo	Cr.Yr to Pr.Yr				
Dollar Chg.to Prior Periods				\$5.19	\$8.73				\$10.49	\$17.21				
% Inc/Dec(-) to Prior Periods				2.27%	3.88%				2.78%	4.64%				
				2.2770	0.0070				2.7070	4.0470				
	= = = = =	=====					=====	======						
Cost/kWH - Electric	978	kWh	\$0.11482	\$0.10951	\$0.10779	1,976	kWh	\$0.11172	\$0.10641	\$0.10469				
% Inc/Dec(-) to Prior Periods			ÇIUL	4.85%	6.52%	.,•.•		φοL	4.99%	6.72%				
					0.0270					0.7270				
Cost/CCF - Water	6	CCF	\$6.59500	\$6.59500	\$6.28500	2	CCF	\$31.53500	\$31.53500	\$29.87500				
Cost/GALLONS - Water	4,488	GAL	\$0.00882	\$0.00882	\$0.00840	1,496	GAL	\$0.04216	\$0.04216	\$0.03994				
% Inc/Dec(-) to Prior Periods				0.00%	4.93%				0.00%	5.56%				
Cost/CCF - Sewer	6	CCF	\$9.09667	\$9.09667	\$9.09667	2	CCF	\$38.39000	\$38.39000	\$38.39000				
Cost/GALLON - Sewer	4,488	GAL	\$0.01216	\$0.01216	\$0.01216	1,496	GAL	\$0.05132	\$0.05132	\$0.05132				
% Inc/Dec(-) to Prior Periods				0.00%	0.00%				0.00%	0.00%				
(Listed Accounts Assume SAME	: USAGE fo	or kWH and	Water (CCF) for	All Billing Periods	<u>5)</u>									
2013 AUGUST - BILLING														
-------------------------------	--------------	--------------	-------------------	-----------------	----------------------	--------------	--------------	-------------------	-------------------------	----------------				
Rate Comparisons to Prior Mo														
			Current	Prior Month	Prior Year			Current	Prior Month	Prior Year				
	Service	Service	August	July	August	Service	Service	August	July	August				
Customer Type	<u>Usage</u>	<u>Units</u>	2013 Rate	2013 Rate	2012 Rate	<u>Usage</u>	<u>Units</u>	2013 Rate	2013 Rate	2012 Rate				
	~			12 Dhana w/Da										
<u>Customer Type -></u>		JMMERC		(3 Phase w/De		<u> </u>	VDUSTRI.		<u>3 Phase w/Der</u>					
Electric Customer Charge			\$18.00	\$18.00	\$18.00	00 740	Bernthere	\$100.00	\$100.00	\$100.00				
Distribution	00.01	LIM//David	\$92.86	\$92.86	\$92.86	98,748	Reactive	\$7,279.05	\$7,279.05	\$7,279.05				
Demand	20.31	kW/Dmd	*7 40,000	* 704.07	* 252.40	1510.1	kW/Dmd	\$16,285.55	\$17,577.85	\$12,276.80				
Generation	7,040	kWh	\$742.30	\$721.67	\$659.16	866,108	kWh	\$46,266.21	\$42,374.35	\$45,788.99				
kWH Tax- Level 1			\$9.66	\$9.66	\$9.66			\$9.66	\$9.66	\$9.66				
kWH Tax- Level 2			\$20.80	\$20.80	\$20.80			\$56.24	\$56.24	\$56.24				
kWH Tax- Level 3								\$3,087.71	\$3,087.71	\$3,087.71				
Total Electric			¢002 60	 ¢962.00	\$800.48		-	\$73,084.42	\$70,484.86	¢60 500 45				
			\$883.62	\$862.99	<i>000.40</i>			\$73,004.42	<i>70,404.00</i>	\$68,598.45				
Water	25	CCF	\$126.07	\$126.07	\$119.67	300	CCF	\$1,420.51	\$1,420.51	\$1,344.61				
Sewer	25	CCF	\$138.94	\$138.94	\$138.94	300	CCF	\$1,359.94	\$1,359.94	\$1,359.94				
Storm Water (Rate/ERU)	20	001	\$9.50	\$9.50	\$9.50	000	001	\$330.00	\$330.00	\$330.00				
Refuse (Rate/Service)			\$5.00	\$5.00	\$5.00			\$5.00	\$5.00	\$5.00				
		-					-							
Sub-Other Services			\$279.51	\$279.51	\$273.11			\$3,115.45	\$3,115.45	\$3,039.55				
		-					-							
Total Billing - All Services			\$1,163.13	\$1,142.50	\$1,073.59			\$76,199.87	\$73,600.31	\$71,638.00				
Verification Totals->			\$1,163.13	\$1,142.50	\$1,073.59			\$76,199.87	\$73,600.31	\$71,638.00				
				Cr.Mo to Pr.Mo	Cr.Yr to Pr.Yr				Cr.Mo to Pr.Mo	Cr.Yr to Pr.Yr				
Dollar Chg.to Prior Periods				\$20.63	\$89.54				\$2,599.56	\$4,561.87				
% Inc/Dec(-) to Prior Periods				1.81%	8.34%				3.53%	6.37%				
	====	=====		:		<u> </u>	=====		=========					
Cost/kWH - Electric	7,040	kWh	\$0.12551	\$0.12258	\$0.11370	866,108	kWh	\$0.08438	\$0.08138	\$0.07920				
% Inc/Dec(-) to Prior Periods	.,		<i>\\</i> 0.12001	2.39%	10.39%			<i>\\</i> 0.00100	3.69%	6.54%				
				2.0070	10.0070				0.0070	0.0170				
Cost/CCF - Water	6	CCF	\$21.01167	\$21.01167	\$19.94500	250	CCF	\$5.68204	\$5.68204	\$5.37844				
Cost/GALLONS - Water	4,488	GAL	\$0.02809	\$0.02809	\$0.02666	187,000	GAL	\$0.00760	\$0.00760	\$0.00719				
% Inc/Dec(-) to Prior Periods	,			0.00%	5.35%				0.00%	5.64%				
Cost/CCF - Sewer	6	CCF	\$23.15667	\$23.15667	\$23.15667	250	CCF	\$5.43976	\$5.43976	\$5.43976				
Cost/GALLON - Sewer	4,488	GAL	\$0.03096	\$0.03096	\$0.03096	187,000	GAL	\$0.00727	\$0.00727	\$0.00727				
% Inc/Dec(-) to Prior Periods				0.00%	0.00%				0.00%	0.00%				
(Listed Accounts Assume SAME														

Electric Department Report July 2013

There were 14 outages/callouts during the month of July. Three outages were due to lightning. Three outages were caused by tree limbs broken by high winds and blown into wires. Four outages were caused by City owned equipment failure. One callout was a voltage problem found to be on customer's side of the meter. One callout for low wires that were found to be telephone wires. One outage was due to an off route tractor trailer hitting an electric pole. One callout was a request for a locate needed for a line break for the Water Department.

A violent storm on Wednesday, July 10 tripped out 2 of our 8 distribution feeders at 2:06 and 2:09 PM causing a loss of power to 1,547 customers. Both feeders were prioritized and energized in less than an hour. An additional 95 isolated outages were due to lightning taking out line fuses, limbs ripping down distribution lines and individual services. Residential customers had power restored by approximately 9:30 PM and crews then worked on changing a pole burned off by a lightning hit and late outage call-ins.

Line Department / Service Truck

Crews worked on a line rebuild on Road 16 and completed a directional boring job and circuit upgrade at the 500 block of West Main. Crews also completed the electric service and transformer installation at the bio-gas plant on Twp. Road P-3. 4 linemen performed mutual aid for a downed transmission line in Bowling Green. Crews relocated a pole next to Super Wash for the Scott Street Project. Linemen installed four 480 volt temporary services for the State of Ohio crossover/ culvert projects on 424 and Riverview Ave.. Crews installed a new transformer and relocated the existing primary service during a planned outage at the Napoleon High School's new addition for electrical upgrade.

Substation Department:

Todd Wachtman and Nikk Hogrefe completed monthly checks on substation equipment. They also performed specialized battery testing and installed new temperature controllers on the transformers at Glenwood and Southside Substations. Nikk also mowed the substations and had the fire extinguishers tested.

Forestry Department

Trees were trimmed by Jamie and TJ at Co. Rd U East of Rd. 12, 558 Beckham street, Alleys off Haley Street, Wayne Park Drive, Beckham Street, Anthony Wayne Acres, 1485 Ohio Street, and various places throughout Napoleon from storm damage. They also helped with curbside tree limb pickup to give operations a hand.

Storeroom/Inventory/ Metering Department:

Shawn Druhot has been reading meters along with purchasing, unloading and cleaning inventory. Shawn also took care of the bulb recycling and walk-in customers needing meter sockets and other assistance such as mowing service building yard and substations as needed.

The Peak Load for July, 2013 was 30.06 MW occurring on the 7th at 7:30 P.M. This was a decrease of 2.65 MW from July of 2012. The average load for July, 2013 was 18.03 MW. This value was a decrease of 3.68 MW from July 2012. The JV-2 and JV-5 ran 5 days in July and produced 5.3 to 5.4 MW each on those days. The gas turbine ran on 7/15(39.4KW), 7/16(37.5KW), 7/17(38.9KW), 7/18(38.2KW) and 7/19(38.0KW). In July 2013 the Amp Solar Field showed a peak of 3.63 MW and the output was 553,436.00 KWH. This was a decrease of 66,683.25 KWH from the previous month's reading in June 2013.

08/07/13 DPC

City of Napoleon, Ohio



SUMMARY OF JULY 2013 OUTAGE/STANDBY CALL-OUTS

July 2, 2013:

Electric personnel were dispatched at 8:15 a.m. to M625 County Road 11 due to a power outage. The outage lasted forty five minutes and affected one customer. The outage was due to a faulty fuse that broke. The employees replaced the fuse.

July 11, 2013:

Electric personnel were dispatched at 3:45 p.m. to 610 E. Washington St. for a low hanging wire. Talked to the homeowner and let him know it was a phone line.

July 12, 2013:

Electric personnel were dispatched at 4:00 p.m. to the corner of Lagrange St. & Dodd St. due to an accident. A tractor trailer hit a pole and broke it. The outage lasted four hours and affected fifty seven customers. The personnel replaced the pole and all the hardware.

July 14, 2013:

Electric personnel were dispatched at 1:20 p.m. to T.A. Truck Stop due to a blink. The blink was caused by a faulty capacitor.

July 15, 2013:

Electric personnel were dispatched at 3:45 p.m. to Chelsea Ave., Kenilworth Ave. & Westchester Ave. due to a power outage. The outage lasted one hour and affected sixty seven customers. The outage was due to an equipment overload on a line fuse. The personnel replaced the 30 amp line fuse.

July 16, 2013:

Electric personnel were dispatched at 3:25 p.m. to 610 Jefferson St. due to a power outage. The outage lasted one half hour and affected fourteen customers. The outage was due to the heat on the transformer and the personnel replaced the 8 amp fuse for the transformer.

July 19, 2013:

Electric personnel were dispatched at 11:55 p.m. to 7663 County Road W due to a power outage. The outage lasted thirty five minutes and affected one customer. The outage was due to high winds and a branch that fell across the lines. The personnel removed the branch and replaced the 10 amp fuse.

July 20, 2013:

Electric personnel were dispatched at 4:13 a.m. to T267 County Road 15B due to a power outage. The outage lasted forty five minutes and affected two customers. The outage was due to lightning. The personnel replaced the line fuse.

July 20, 2013:

Electric personnel were dispatched at 5:40 a.m. to S674 County Road 16 due to a power outage. The outage lasted fifty minutes and affected two customers. The outage was due to lightning. The personnel replaced the line fuse at the corner of County Road T & County Road 16.

July 20, 2013:

One employee was dispatched at 8:15 a.m. to T034 County Road 17E due to the customer thought he had half power. The employee told the customer he had full power up to his meter socket and it was his repair.

July 20, 2013:

Electric personnel were dispatched at 11:23 a.m. to 1026 Highland Ave. due to high winds and a tree that fell on the power lines and bent the mast. The personnel re-routed the wire until the rest of the tree is trimmed.

July 20, 2013:

Electric personnel were dispatched at 11:23 a.m. to 15691 State Route 6 due to a power outage. The outage lasted fifty minutes and affected one customer. The outage was due to lightning. The personnel replaced the 6 amp fuse.

July 23, 2013:

One employee was dispatched at 12:00 a.m. to 511 Orwig Ave. to do a line locate for the water department.

July 27, 2013:

Electric personnel were dispatched at 5:45 p.m. to State Route 110 for a power outage. The outage lasted three hours and affected twenty three customers. The outage was due to high winds that caused a tree branch to fall on the primary wire. The personnel spliced the wire back together.



NAPOLEON POWER & LIGHT



	1/1/2013	2/1/2013	3/1/2013	4/1/2013	5/1/2013	6/1/2013	7/1/2013	8/1/2013	9/1/2013	3	3	3
	24.12	23.61	22.61	21.37	28.19	31.59	32.71	31.15	26.43	23.20	23.59	24.33
2012 AVG	19.70	19.61	17.64	16.86	18.51	19.21	21.71	20.19	16.77	17.21	17.98	18.15
	25.58	24.64	23.59	21.80	25.83	28.34	30.06					
	19.26	19.57	18.09	16.93	16.80	17.55	18.03					

** 900-1400 residential homes served / MW average load

** 300-800 residential homes served / MW peak load

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AMPO Generation

Starting: Ending:

July 1, 2013 0:00 August 1, 2013 0:00





System KVAR

Starting: July 1, Ending: August 1,





Substation Transformer Load



Glenwood Feeder Load

Starting: Ending: July 1, 2013 0:00 August 1, 2013 0:00



t.

Industrial Feeder Load

Starting: Ending:

July 1, 2013 0:00 August 1, 2013 0:00



Southside Feeder Load

Starting: Ending: July 1, 2013 0:00 August 1, 2013 0:00



Glenwood Voltage



Industrial Voltage



Southside Voltage



City of Napoleon, Ohio

BOARD OF PUBLIC AFFAIRS (BOPA)

LOCATION: City Hall Offices, 255 West Riverview Avenue, Napoleon, Ohio

Meeting Agenda Monday, August 12, 2013 at 6:30 PM

- I. Approval of Minutes (In the Absence of any Objections or Corrections, the Minutes Shall Stand Approved)
- II. Review/Approval of the Electric Billing Determinants for August: Generation Charge: Residential @ \$.08713; Commercial @ \$.10544; Large Power @ \$.05623; Industrial @ \$.05623; Demand Charge Large Power @ \$12.35; Industrial @ \$12.92; JV Purchased Cost: JV2 @ \$.00145; JV5 @ \$.00145
- III. Electric Department Report
- IV. Rate Levelization Plan
- V. Any Other Items to Come Before the Board

Gregory J. Heath, Finance Director/Clerk of Council

City of Napoleon, Ohio BOARD OF PUBLIC AFFAIRS Meeting Minutes Monday, July 8, 2013 at 6:30 pm

PRESENT **BOPA Members** Keith Engler - Chair, Dr. David Cordes, Mike DeWit **Electric Committee Members** Travis Sheaffer - Chair (arrived at 6:33 pm), Patrick McColley, Jason Maassel WSRRL Committee Members Jeff Lankenau – Chair, Patrick McColley, Chris Ridley Dr. Jon A. Bisher, City Manager City Staff Gregory J. Heath, Finance Director/Clerk of Council Trevor Hayberger, City Law Director Dennie Clapp, Electric Dept. Superintendent Chad Lulfs, City Engineer Roxanne Dietrich, Administrative Assistant **Acting Recorder** Tammy Fein Others Ron Behm, John Helberg, Jim Hershberger, Mike Migliore (AMP), News media ABSENT **Call To Order** Chairperson Engler called the meeting to order at 6:29 pm. Committee member McColley called the meeting to order at 6:29 pm. The Monday, June 10, 2013 meeting minutes stand approved as presented **Approval Of Minutes BOPA And Electric Committee** with no objections or corrections. The electric billing determinants for July 2013 were presented for review. **Review Of Billing Determinants** Motion: DeWit Second: Cordes Motion To Recommend **Approval Of Electric Billing** To recommend approval of electric billing determinants for June 2013 as Determinants follows: Generation Charge: Residential @ \$0.08182; Commercial @ \$0.10251; Large Power @ \$0.05150; Industrial @ \$0.05150; Demand Charge Large Power @ \$13.33; Industrial @ \$14.08; JV Purchased Cost: JV2 @ \$0.02895; JV5 @ \$0.02895. Passed Roll call vote on above motion: Yea-3 Yea-Engler, Cordes, DeWit Nay-0 Nav-**Electric Department Report** Electric Department Report for June 2013 is attached. Clapp reported on June 2013; there were more outages calls than normal due to lightning and wind with 28 callouts, 1 call was to turn on the electric for a customer, 3 callouts were outages due to animals shorting distribution circuits, 13 outages were due to lightning, 3 outages were caused by broken tree limbs, 5 outages were caused by City owned equipment failure, 1 callout was a shutoff for a house fire, and 2 outages were due to a customer equipment failure. In the Line Department service truck category, the crews finished the upgrade to feeder line poles at Glenwood Substation; line crews rebuilt the service for a car wash remodel at Perry Street, set and removed temporary poles for KidsFest, replaced the pole and built a new three phase service for a microwave at Cloverleaf Cold Storage, crews performed shutoffs for nonpayment of bills, line crews also replaced pole number 7816 on 424 West, the line department replaced the three phase pole on pole number 0219 at Duquesne and Jahns, linemen helped the Operations Department put up signs for construction projects to reroute traffic, and completed moving two feeders across the road East of Tullock's Marina, and set up temporary transformers and poles and services for the pumps that will pump the water around the work area of the State project between Tullock's and Johnson's and also at Ritter Park, crews also set a new 750 KVA transformer and put in primary for the new biogas plant on Road T3, crews set and removed a temporary pole for RibFest ,and the service truck completed work orders and helped service crews as needed. Clapp reported that in the Substation Department Todd Wachtman and Nikk Hogrefe completed the monthly check of the substation and installed oil containment around the main transformers at Glenwood and South Side Substation which was done in-house by running a mini-excavator. Clapp reported that both Wachtman and Hogrefe completed their AVO Substation Certification training and will be receiving their certificate soon to be compliant. Clapp reported that the tree crew worked on Sycamore Drive, 424 West, West Maumee, P3, an alley off Haley, and completed work orders for customers needing tree service in the lines; in the Storeroom department, Shawn Druhot has been reading meters and purchasing, unloading, and cleaning the inventory, along with taking care of bulb recycling and taking care of walkin customers needing meter sockets, and other services such as mowing the service building and substation yards as needed and assisted Wachtman and Hogrefe with installing the oil containment. The peak load for June was 28.34 megawatts occurring on June 25th at 6:00pm, this is a decrease of 3.25 megawatts from June 2012. The average load for June was 17.5 megawatts: that was a decrease of 1.66 megawatts from June 2012, with the solar being on so that must be figured in as well for the decreases; the JV2 and JV5 ran on June 10th and produced 3.6 megawatts each, and AMP changed out the meter at the JV2 site that has not been working, and the gas turbine ran on June 20th and produced 12.7 kilowatts, June 21st at 26.8 kilowatts, June 24th at 39.3 kilowatts, June 25th at 12.4 kilowatts, and June 26th at 12.8 kilowatts. The AMP solar field showed a peak of 3.72 megawatts, and the output for the month was 620,119.25 killowatt hours, this was a decrease of 10,172.50 killowatt hours from May 2013 due to an increase in temperature. Clapp reported that he attended the national conference in Nashville, TN from June 16 – 19th, and attended the Pole Attachment Issues, Preparing Utilities For Upcoming Storms and Diasaster Preparedness, Renewing Public Power Strength, 10 Things That Keep Managers Of Smaller Utilities Up At Night, Looking Beyond The Horizon-The Electricity System Of The Future, What's Ahead For The American Economy, CyberSecurity 101 and 201, and Water Usage sessions. The latest updated Efficiency Smart reports are included in the packets for information only, running from 1/1/2011 through 5/31/2013. Clapp reported that on August 30th there will be an incandescent to fluorescent bulb exchange at Kurtz hardware, and August 14th at 10:00 am Automatic Feed will be receiving an award from Effeciency Smart called the Ambassador of Energy Efficiency Award, and City officials have been invited.

	DeWit asked of Clapp who owns the power line from the transformer to the mast on an aerial B; Clapp replied that the City owns up to the meter; so the line coming from the transformer with the secondary to the masthead is the City's responsibility; DeWit asked if the property owner could request tree removal from the lines; Clapp replied yes.
	Cordes stated that there should be publicity regarding the light bulb exchange program; Clapp replied that the information would be going out with customer bills.
Solar Acquisition Of Additional Solar Power	Bisher stated there is no report; City is waiting on Saint Mary's response. The City is ready to take 1 meg if Saint Mary's is going to build 2 megs behind their meter. Bisher stated there is no action required.
	DeWit asked why on the solar billing rate is there a negative demand charge; Migliore answered that instead of a fixed rate on the solar, the RECs are sold and that money goes into the demand charge rather than the energy charge; Bisher added that additional RECs were sold.
	DeWit asked why the City is only using 66% of the NIPA regarding the load factor; Migliore replied that there is an allocation from the State of NY that dictates the amount of energy and the amount of maximum capacity received; the 67% is compacted to the on peak hours and the extra is added to the off peak hours.
Electric Rate Stabalization From AMP	AMP powerpoint presentation is attached. Bisher stated that now is a good time for rate stabilization because the cost for power will decrease next year but then will rise after more expensive assets such as hydros come on board. Mike Migliore, Assistant Vice President of Power Supply Planning and Transmission for AMP, went over a presentation that included: Energy Usage and Peak Demand; Capacity Costs; Energy Resources; Forecasted Rates; and
	Rate Levelization Agreement. Migliore stated that power rates are relatively stable as compared to the last ten (10) years and went over the City's portfolio stating what is still under contract, including Fremont Energy Center, Prairie State Energy Campus, and OMEGA JV5-Belleville. Migliore stated that power usage has increased across the board as recovery from the recession and some was attributed to the hot summers the last two years; Migliore added that PGM, which controls the transmission grid, has added a new requirement called install capacity which involves setting reserve margins. PGM has a market to ensure there is enough installed capacity called the Reliability Pricing Mode (RPM) which runs an auction every three years to acquire capacity from all the generators then the bill gets sent back to the load with credit for the generation that is owned; Migliore stated that Napoleon is in a good position for installed capacity.
	Dewit asked if there is still a requirement to make diesel sulphur compliant; Migliore replied the diesel that is burned is ultra-low sulphur

and now there are EPA rules that reciprocal engines are limited to a number of hours, so 2013 through next May there is 100 hours total, 50 hours can be for demand response in the installed capacity market, and 50 hours can be for peak shaving for energy markets; after this year the limit will be 60 hours for demand response only through May 2017. Migliore added that any new peaking that will be installed will be natural gas. Dewit asked if generators are currently being made that can process sulphur; Bisher replied that currently the price of natural gas is so low that if this is to be done, it will done using a natural gas powered turbine, not diesel, Bisher added that this may change since the EPA could attack natural gas and drive up the price, as they did coal previously. Bisher stated that the machine in Fremont takes energy and converts it from one form to another, converting natural gas energy to electrical energy; the real price of natural gas in some ways is immaterial, what is material is the difference when the machine is run and the price of gas is converted to the price of electricity, changes there mean a profit. Bisher explained that the spark spread is the margin between converting the natural gas to electricity; Bisher is hoping the spark spread will help level costs when the hydro which is more expensive is added on.

Migliore stated the goal of the rate levelization is to levelize the rates from 2014 through 2016 so there is not a big drop in rates followed by a big increase the next year. This would work by the City depositing funds either through AMP or in an account from January 2014 through March 2015, then adding money to the power supply cost to raise the rates up to the \$73 rate, then from April 2015 through December 2016 that money would be taken back out and supply credits to the power rates to get the rate back down to the \$73 level. Migliore added that the rates used to be higher in the summer and lower the rest of the year, but now the costs are about the same throughout the twelve months, but the rates are lower in the summer because of selling more kilowatt hours.

Migliore stated that if the City were to use AMP's line of credit, the interest rate would be 1.5%, and the account would be trued up in December 2016.

Bisher notes that this is the time to do this if the City is going to; but must be careful in the accounting aspect. Bisher read from an email received from the Finance Dept. stating that Chris Deeter recommend "the City consider utilizing Gadsby 62 accounting, formerly FAS 71, where they would defer the amount collected and deposit it into a fund and then when they collect it from the customers, recognize the expense at the point in that point in time. This would avoid a potential negative effect on your income statement and any possibility of jeopardizing the debt coverage ratios with the JVs." Bisher added that the City does have covenance in some of the debt, so the accounting must recognize the debt equity ratios. Bisher added that Heath reports at the end of every year, and the City must be careful of the accounting issues.

DeWit added that the customers will be paying in more than the actual bill is, so the City is not borrowing money but is putting money aside. DeWit has a concern with guaranteeing \$0.73/kilowatt; right now prices vary 28% per year, from \$0.09 to \$0.07. DeWit is concerned with the title Rate

Stabalization, since the rates can fluctuate over very short periods of time. DeWit stated that in the past the City has been lucky not to guarantee anything, keeping the prices at a flat rate; however if the City is guaranteeing a price, and if the price is not accurate the City will see a fluctuation that the City cannot afford to cover, there also could be inequities for residents in the future who have not paid in during the lower costs. Bisher added that because of the City's portfolio and the costs being contracted to be fixed, the City is in a position to know the costs since the assets are City owned. DeWit added that rates can be stabilized by prediction; the information could be shown to all the business customers and give them the choice to receive the savings back, the information must be made clear to the business customers; this will be the major issue in stabilizing the costs. Bisher stated that the customers will take the savings this year, then come in the following year complaining about the rate increase. DeWit added that if the rate is stabilized at \$73, then the amount of gas decreases, the rates will also be increased. Bisher added this will not happen overnight; DeWit stated the City has seen costs such as this before. DeWit restated that the most important issue is informing the customers of this information; Bisher added that many of the customers expect the public officials to handle this information. Engler added that the projections are legitimate, and the customers have selective hearing to this information; the levels are increasing slightly each year and should be presented that way.

Heath addressed DeWit's concerns by stating that billing determinants are reviewed monthly; from an accounting perspective, the recovery is almost immediate regarding purchased power; this type of accounting protects the known assets, not the unknown assets. Engler stated that this would be harder to explain to the public, that the City was only protecting the known assets, and not the unknown; DeWit agreed that in 2014 the rates aren't as low and the City should not be trying to predict the guaranteed rate but instead should continue to do it the way it's done now and protecting the customers with knowledge and informing the customers of the rate increases. DeWit stated he is nervous about guaranteeing a rate that could fluctuate. Cordes stated that a rate is not being guaranteed, but are putting money back and starting at the beginning of the slope, and the farther out the projection then the less accurate that it is going to be; Cordes added the lower rates in the first year will seem positive to residents but the money will be spent, then when the rates increase in the following year and the residents will be mad. DeWit stated that this should not be called rate stabilization indicating that the rates would remain stable and not fluctuate. Engler added that rate levelization is a more accurate name. DeWit stated that this is not actually a rate but is a cost increase, Heath stated that this would be recovered through the rates just as the \$60,000 Capitalization Charge is being recovered; Heath added the increase would start January 2014 and go through March 2015, which peaks out according to the schedule at \$1,657,000 with the interest then it will drawback. Heath stated that the reserves are saved for self insurance, and are approximately \$4.6 million, meaning that in theory the City could be self funded with this reserve; DeWit added that money will become an issue in 2014, Heath stated that the purchased power money will be set aside with 1.5% interest through AMP; Heath added that if that money would go into a fund that would be reloaned out then it would cause a credit risk which must be

considered. Cordes asked if the 1.5% was a guarantee or if the rate could be higher or lower than that; Migliore stated that it fluctuates on a monthly basis and the 1.5% is just an estimate. Heath questioned whether the 1.5% is feasible for AMP to give on received money; Bisher replied that this joint venture money is being reloaned out. Heath stated that this puts the money at risk; Bisher stated it is due to the amount of \$750,000,000. Heath asked if this line of credit is cash reserves that AMP holds; Bisher replied that it is a true line of credit; Heath stated that involves risk. Migliore added that this agreement is a trust agreement with US Bank.

DeWit asked that the rate levelization would be for all paying customers that purchase electricity, not just customers within City limits; Heath replied yes, all paying customers.

Bisher stated that he was looking at the strawman legislation which was proposed, that states it "authorizes the City Manager to deposit money with AMP for the total prinicipal amount not to exceed \$1.6 million, to be used by the City to levelize power costs from January 2014 through December 31, 2016; such deposit shall be repaid by AMP in full no later than January 31, 2017, interest and carrying charges shall accrue on any remaining balance during the period. An estimated fund schedule using the proposed 1.5% interest rate has been represented to the City and AMP has agreed to notify the City of any changes in the rate of such interest as soon as is practical". Cordes stated that this is about stabilizing the rates for a two year period, not through 2018. DeWit added that this process is not to guarantee a rate, it is levelizing a rate. McColley stated that the rate levelization is a good program and the real question is to have AMP do it or to do it internally. Cordes added it could be called a rate levelization fund instead of a rate stabilization fund. Engler added that stabilization has an implied guarantee of rates staying the same. Bisher stated the title of the suggested Ordinance is 'an Ordinance authorizing the City Manager to enter into a rate levelization arrangement for the benefit of the City of Napoleon, Ohio and for its electric system".

Heath stated that the question is if the City wants to use reserves or if the City should charge it; McColley asked Heath's opinion as the Financial Advisor; Heath stated that either is acceptable as there enough reserves to cover it. Bisher stated he has concerns with obligations the City has with Megs County Plant as the City has set some money aside for the future contract and it seems to be proceeding but there is uncertainty of how that will settle; Bisher said he would prefer to charge it and save the reserves in case Megs County went poorly. DeWit asked Heath, if AMP is paying 1.5% interest if Heath would prefer to let AMP handle the money; Heath replied yes. Sheaffer asked how long before the City would know regarding the court action; Hayberger replied it is in the early stages and may be two to three years.

Motion: Cordes Second: DeWit To establish a Rate Levelization Fund as suggested by AMP Ohio, and AMP handling the funds

Roll call vote on above motion:

Motion To Establish A Rate

By AMP Ohio, And AMP

Handling The Funds

Passed

Levelization Fund As Suggested

Yea- 2 Nay- 1	Yea- Engler, Cordes Nay- DeWit
Discussion	Heath asked DeWit if he would like a Minority Report in the record, DeWit replied no; DeWit also suggested that when the Ordinance is written, the Ordinance should be reviewed at regular intervals to ensure the projections will be accurate. Bisher agreed, stating that the money may or may not be enough to levelize for two years, and the rate may be allowed to go higher to levelize, and the Ordinance will only allow the rate to be levelized for one (1) more year.
Sewer Insurance	Bisher stated that sewer insurance will be based on the unequal probability of needing it, Bisher added that sewer insurance could be mandated however that would be considered a rate hike. McColley questioned how well it would work since residents can opt in and opt out at any time. Hayberger reminded the Committee that this issue had been brought up approximately eight (8) months ago by Tom Druhot and the Committee already voted no on it; Lankenau added that it was a self insurance involving a small extra charge. McColley restated that the option to opt in and opt out at any time will cause residents to opt in when something needs to be fixed and opt out after the work is done. DeWit agreed with McColley but is concerned about residents that are stuck paying for a sewer tap that is under the road; DeWit stated the rate should be changed so that the homeowner is responsible to the property line and the City is responsible for sewer under the road. Ridley stated that if the City's ownership is going to be extended under the streets, then there must be discussion as to how to pay for it, whether it be through insurance or rates; McColley added that the insurance method will not work.
BOPA Motion To Not Approve Sewer Insurance	Motion: DeWitSecond: CordesTo not accept sewer insurance
Passed Yea- 3 Nay- 0	Roll call vote on above motion: Yea- Engler, Cordes, DeWit Nay-
Sewer Assessment	Bisher stated that this is a method for paying for any type of infrastructure improvement; the City has done this to pay for the South Side Sewer Project and the Welsted Main Project and the North Point Project, with the last assessment taking place approximately eight (8) years ago. Bisher stated that water assessments are typically based on frontage and sewer assessments are typically based on the area that it serves; assessments have a rigid legal process to establish and there are certain things that cannot be done with assessments; the Committee cannot consider doing assessments after the project is planned and bid, there will not be enough time to do the assessments; it is a policy decision that will direct staff on how to proceed with the timing of the project. Bisher stated that assessments have not taken place through the recent findings and orders, but instead project costs have been socialized through rates instead of portions of direct benefit.

Engler asked if most of these sewer separation projects are due to EPA findings and orders; Bisher replied yes, almost exclusively. Heath added that socialization of projects causes rates to increase so if this Council wants projects in the future to be assessed, now is the time to allow that. McColley stated that by assessing, the rates could be lowered and desocialized; suggesting a yearly percentage or maximum value. DeWit stated that residents will be concerned with why they are being assessed for a sewer tap that is currently working; DeWit restated that the resident should have to pay for his own benefit. McColley stated that there should be an equitable percentage that the resident could pay; Engler restated that since the City is in the middle of the findings and orders and socialization has been the method thus far then socialization should be the continued method of funding. Ridley added that rates need to be kept competitive to have residents and businesses move here and not leave; Ridley believes a rate increase is a better choice than an assessment. Lulfs added that the numbers on assessments are a factor; the Clairmont project was over \$60,000 for one property. McColley added that maximum values would be needed for projects. Mayor Behm stated that there needs to be a standard rate for assessments. Bisher explained that CDBG funds make it difficult to assess because the funds can only be used in low to moderate income areas causing the areas to be surveyed and cannot be assessed. There is normally one project per year and totals approximately \$35,000 per year.

Heath stated that a decision now will be the foundation for future projects; McColley added that an assessment does not have to be 100% or even 50%, and setting maximum values would at least help pay for the projects. DeWit asked what would happen if all projects were assessed; Lulfs replied that it would add a year to every project but would not affect Engineering manpower. Ridley asked Lulfs what the average cost of the sewer leads on previous projects has been; Lulfs replied approximately \$4,000 per tap. Lulfs stated that up to 98% of projects can be assessed and Bisher added that assessments usually have twenty (20) years to be repaid but the homeowner can request to defer the assessment for ten (10) years by showing financial hardship. Heath added there will be an assessment brought before the board regarding the new water plant; Behm stated that the water plant assessment would be a flat fee per connection. Behm stated that assessment levels can fluctuate between projects, a minimum standard rate is needed to make assessments work. Cordes asked if an upper limit could be set for assessments; Bisher added that under law only a certain percentage of the total value of the property; McColley added that parameters could still be set and Heath added that a policy could be set as to what is assessed, in the past the Council's policy was to assess to the maximum, but the policy can be changed. Heath handed out the special assessment process steps (see attached).

McColley stated there is not enough information available to make a decision on not assessing projects, and will vote no to any recommendation that is determined tonight. Ridley asked McColley what further information is needed; McColley replied that information for setting parameters is required including maximum, minimum and total values and the percentage of property values; McColley added that options for parameters must be considered. Ridley stated that assessments would

	cause residents to move to the County to have their own septic system to avoid assessments; the projects are a benefit of living in the City and the costs are covered in the cost of having City water; Ridley added that it is not truly a free marketplace because residents in the City are not given the option to dig their own well or septic system; the residents are forced to take the City water and to pay for it. McColley stated the social programs are benefits to living in the City; these are enterprise funds and should be run as such; rates can be lowered if projects are assessed and the decision will be up to Council.
	Chairperson Lankenau deferred this issue to the BOPA; and would vote no to any assessments.
	Lulfs explained the value of the project is used for assessments, the hearings and discussions use the estimated cost of the project but the final assessments are based on the actual cost. Heath stated the estimated cost is used to notify the assessment; once residents are notified and the Assessement Equalization Board is set then the project can be legally bid and finished; then the actual assessments are applied to the actual cost. Lulfs added that each project will go through this process.
BOPA Motion To Not Approve Sewer Assessments	Motion: DeWit Second: Engler To not approve sewer assessments
Passed Yea- 3 Nay- 0	Roll call vote on above motion: Yea- Engler, Cordes, DeWit Nay-
Sewer Ownership	Heath stated that since assessments have now been voted on and not approved, now future projects will be socialized. Engler asked what the current policy is; Bisher explained that there is a discrepancy between the water projects and sewer projects and will explain them separately; water projects typically have a shutoff valve at the property line and everything beyond that shutoff valve lateral to the house is the responsibility of the homeowner, everything up and including the shutoff valve is the City's responsibility. If the homeowner lives on the side of the street opposite the fire hydrant and a water lateral goes bad under the street that has not reached the shutoff then it is the City's responsibility to repair that lateral; that is not the case with the sewer. The sewer has never had a demarcation line so the policy is where the tap is; from where the sewer main is located in the easement near the property line is the homeowner's responsibility, the homeowner is responsible starting at the sewer main to the residence if the lateral fails, this includes residents who live across the street from the sewer main as well, making the resident responsible for the sewer line under the streets to the sewer main, this means these residents not only have to pay to open up the street to fix the lateral, but it could also be very deep causing it to be a very costly issue. As an example, Heath recently paid \$7,000 for a line sixteen feet deep that was not on the other side of the street but in the middle of the street; Heath noted that the City owns the right-of-way, the City controls the whole mechanism into the right-of-way meaning that Heath was not allowed to rent his own backhoe to dig down to the break to fix the tap, the City controls the process meaning the person doing the construction must be bonded and be a certified contractor.

Heath stated that this issue has been brought before the Board previously as a memo dated August 2012 was entered explaining Heath's view; Lankenau added that this has been decided approximately three times since Lankenau has been on Council not to modify the policy. McColley added that the City should not take this cost over completely as people will opt in to have even minor repairs replaced. Lulfs added there is an assistance program if residents separate their sewers from rain water; the City will pay for 2/3 the cost of the work, not to exceed \$2,500.

DeWit stated concerns with the sewer failing at points that the City, not the homeowner, put in under the road and it's not on the homeowner's property. McColley noted that this issue is similar to the assessment issue to help the homeowner bear the costs. Ridley disagreed; the sewer issue that is not on the homeowner's property and was not put in by the homeowner means that the City should be responsible to repair the issue to the property line. Lulfs noted that regarding the water line, the City is responsible to the valve, not the property line; McColley added if there is a water leak, the valve can be turned off. Lulfs reiterated that the taps are approximately \$4,000 each and if there are 2,000 taps that have not been replaced, the total is \$8,000,000. McColley asked if the sewers fail at the connection point; Lulfs answered during the last few years approximately 25% of the fails have been at the Y connection on the lateral due to the weight of the soil on the ceramic pipes. Lulfs added that the City helps the residents by using their push cameral in the lines as much as possible but if the tap is full of water, the camera cannot be used. Bisher stated that there is new technology that occasionally allows the work to be done remotely underground with no digging involved; but sometimes the clay sewer pipes just collapse. Engler asked if the numbers on how many have failed and are they continuing to fail and approximate costs can be obtained; Lulfs stated that there has been almost no sanitary sewer work done on the South side of the City, there has been storm sewer work, a storm sewer separation project was completed, and on the North side there have been some sewer projects but large portions of the City's sewer lines have not been touched; Lulfs stated that approximately 2/3 of the City's sewer taps are concrete and have not been replaced.

Lankenau stated if the Committee is to consider this, then a five or ten year average of costs is needed. DeWit asked if it is feasible to install the trenchless technology on the sewers that are not busted; Lulfs stated that some of the trenchless technology cannot be used after the sewer fails.

McColley noted this issue is 100% desocialized whereas the other sewer issue was 100% socialized; there should be a median between the issues to create a maximum amount for the homeowner to be responsible for with the City's assistance after the maximum amount is reached. Lulfs noted that the entire Indiana project, 250 feet of sanitary sewer main and replacing the pavement, was completed for \$38,000. Lulfs stated on new lots that the developer includes the cost of the sewer in the cost of building the home and is done before the lot is dedicated to the City.

Lankenau deferred the issue to the BOPA.

BOPA Motion To Obtain

Motion: DeWit

Second:

Additional Information For Placing An Upper Cap On Sewer Cost	To obtain additional information for placing an upper cap on sewer costs
Yea- Nay-	
Motion Dies For Lack Of Second	Motion dies for lack of second
Any Other Items To Come Before The Board	None
BOPA Motion To Adjourn	Motion: DeWit Second: Cordes To adjourn meeting at 9:21 pm
Passed Yea- 3 Nay- 0	Roll call vote on above motion: Yea- Engler, Cordes, DeWit Nay-
Date	Keith Engler, Chair

City of Napoleon, Ohio

PRESERVATION COMMISSION

LOCATION: City Hall Offices, 255 West Riverview Avenue, Napoleon, Ohio

Meeting Agenda

Tuesday, August 13, 2013 at 3:00 PM

- I. Call to Order
- II. Approval of Minutes (In the absence of any corrections or objections, the minutes shall stand approved.)
- III. New Business

NPC 13-05 733 N. Perry St. Tonjes Rentals

An application for a Certificate of Appropriateness has been requested by James Tonjes, owner of Tonjes Rentals building to review the proposed exterior changes to the building at 733 N. Perry St. located within the City's Preservation District.

NPC 13-06 105 W. Main St. Lankenau Law Office

An application for a Certificate of Appropriateness has been requested by Jeffrey Lankenau, owner of Lankenau Law Office building to review the proposed exterior changes to the building at 105 W. Main St. located within the City's Preservation District.

NPC 13-07 713 N. Perry St. Spenglers

An application for a Certificate of Appropriateness has been requested by Chery Weideman, owner of Spengler's building to review the proposed exterior changes to the building at 713 N. Perry St. located within the City's Preservation District.

NPC 13-08 601 N. Perry St.

An application for a Certificate of Appropriateness has been requested by David Jones, owner of the building to be demolished at 601 N. Perry St. located within the City's Preservation District.

- IV. Any Other Items to Come before the Commission
 - V. Adjournment

City of Napoleon, Ohio PRESERVATION COMMISSION

Special Meeting Minutes <u>Tuesday, May 14, 2013 at 3:00 PM</u> NPC 13-02 625/631 N Perry BrickN'Brew Pub

CommissionKelly Wallace - Chair, Ed Peper, Joel MillerCity StaffTom Zimmerman, Building InspectorRecorderBarbara NelsonAlbert Blackwood, Robin Weirauch, Margo BehnfeldtABSENTCommissionMarv Barlow, Glenn MillerMotion To ApproveMotion: J. MillerSeedRoll call vote on above motion: Yea-3 Nay-0PassedRoll call vote on above motion: Yea-3 Nay-0NPC 13-02BACKGROUND An application for a Certificate of Appropriateness has been requested by Albert Blackwood, owner of BrickN' Brew Pub building to review the proposed exterior changes to his building at 625/631 N Perry located within the City's Preservation DistrictHistorical Resource DiscussionChairperson Wallace said BrickN'Brew Pub is located in the old Stimmel building on corner of N. Perry & W. Washington.Swearing In Evidence SubmittedWallace read the list of proposed changes: 1. Outside new business signage – large signs painted on metal, with wood frames. N. Perry side to also include some art work depicting Bricks and Brew the characters in the company logo. In addition, a sidewalk lantern will be painted around the light fixture on the W. Washington side to depict a light new the street lights but will be regited on the side of the	City Staff Recorder	Tom Zimmerman, Building Inspector Barbara Nelson
Recorder OthersBarbara Nelson Albert Blackwood, Robin Weirauch, Margo BehnfeldtABSENT CommissionMarv Barlow, Glenn MillerMotion To Approve MinutesMotion: J. Miller To approve the minutes from the April 9, 2013 meetingPassed Yea-3 	Recorder	Barbara Nelson
Others ABSENT CommissionAlbert Blackwood, Robin Weirauch, Margo BehnfeldtMarv Barlow, Glenn MillerMotion To Approve MinutesMotion: J. Miller Second: Peper To approve the minutes from the April 9, 2013 meetingPassed Yea-3 Nay-0Roll call vote on above motion: Yea – Wallace, J. Miller, Peper Nay-0NPC 13-02 625/631 N. Perry St.BACKGROUND Blackwood, owner of BrickN' Brew Pub building to review the proposed exterior changes to his building at 625/631 N Perry located within the City's Preservation DistrictHistorical Resource DiscussionChairperson Wallace said BrickN' Brew Pub is located in the old Stimmel building on corner of N. Perry & W. Washington.Swearing In Evidence SubmittedWallace submitted pictures of 625/631 N Perry as evidence. Wallace read the list of proposed changes: 1. Outside new business signage – large signs painted on metal, with wood frames. N. Perry side to also include some art work depicting Bricks and Brew the characters in the company logo. In addition, a sidewalk lantern will be painted around the light fixture on the W. Washington side to depict a		
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be painted around the light fixture on the W. Washington side to depict a		
light note similar to the street lights, but will be painted on the side of the		
		light pole similar to the street lights, but will be painted on the side of the
building incorporating the real lamp. A small welcome sign is planned above		
one of the entrance doors on the outside.		one of the entrance doors on the outside.
Testimony Pleakwood said the welcome sign will be above one of the entroped doors on the cost	Testimony	Pleakwood said the welcome sign will be above one of the entropee doors on the east
Testimony Blackwood said the welcome sign will be above one of the entrance doors on the east side of the building. BrickN'Brew signs will be on both sides of the building. He	resumony	-
· · ·		wants to incorporate colors and brighten up the outside with complementary colors.
He also wants to put 631 for the address number above where the eagle is. This will		
	Motion To Approve	Motion: Peper Second: J. Miller
He also wants to put 631 for the address number above where the eagle is. This will be fixed to the building with screws.		*
He also wants to put 631 for the address number above where the eagle is. This will be fixed to the building with screws.		Perry St. with the addition of the address number where the eagle was

Passed Yea-3	Roll call vote on above motion: Yea – Wallace, J. Miller, Peper
Nay-0 Motion To Approve Proposed Lighting	Nay- Motion: J. Miller Second: Peper To approve the proposed lighting for the signage on both sides of the building at 625/631 N Perry St.
Passed Yea-3 Nay-0	Roll call vote on above motion: Yea – Wallace, J. Miller, Peper Nay-
Meeting Continued	Meeting continued with the consideration of NPC 13-03.
DATE:	Kelly Wallace, Chair

City of Napoleon, Ohio PRESERVATION COMMISSION

Meeting Minutes Tuesday, May 14, 2013 at 3:00 PM

NPC 13-03 118 W Washington St. ADOT Appraisal

(Meeting continued after consideration of NPC 13-04)

PRESENT	
Commission	Kelly Wallace - Chair, Ed Peper, Marv Barlow, Glenn Miller, Joel Miller
City Staff	Tom Zimmerman, Building Inspector
Recorder	Barbara Nelson
Others	Margo Behnfeldt, Robin Weirauch
ABSENT	
Commission	None
NPC 13-03 118 W Washington St	Chairperson Wallace said Joel Miller will conduct this hearing.
110 w washington St	BACKGROUND
	An application for a Certificate of Appropriateness has been requested by Josh Behnfeldt, owner of ADOT Appraisal building to review the proposed exterior changes to his building at 118 W. Washington St. located within the City's Preservation District
	Zimmerman said the building next door is a historic resource. Peper said their architectural styles are similar and compatible.
Motion To Declare A	Motion: Peper Second: G. Miller
Historic Resource	To declare that the building at 118 W. Washington St. is a historical resource to the City's Preservation District
Passed	Roll call vote on above motion:
Yea-4	Yea-Barlow, J. Miller, Peper, G. Miller
Nay-0	Nay-
Abstain-1	Abstain-Wallace
Swearing In	Acting Chairperson J. Miller swore in Margo Behnfeldt.
Evidence Submitted	J. Miller submitted pictures of 118 W. Washington St. as evidence.
Testimony	J.Miller said the property owner of 118 W. Washington has been ordered through the Wood County Building Department to repair the front wall of the building. A structural engineer as determined the best and only way to repair the wall is to remove all the bricks on the front wall from the top down to the beams that are failing above the display windows on the first floor. A rebuild plan has been submitted by the owner to this commission for their approval and a request for a Certificate of Appropriateness.
	Zimmerman said the rebuild is the same plan that was used for the building to the west. There was discussion on the brickwork at that time. Behnfeldt said the brick will not be painted. All ornamental detail will stay the same. These two buildings were probably built at the same time. There will be some minor changes in the peaks of the windows, but she spoke to a mason last Friday and he understands that all

Behnfeldt said they want to keep the stucco to put the ADOT sign back on. Zimmerman said it is stucco now. Behnfeldt said there will be brick behind the sign and stucco on that. It will resemble VF. Resc?'s scup. Lighting in the entryway will be removed. As long as there is no damage to the front glass, there is no need to replace it. The windows will be vinyl as they are in the neighboring building with the arm look as next door. The windows require with wood above the top to make the arch. J. Miller said the Commission allowed vinyl windows on the building next door because they were on the upper level. Behnfeld tasked if the Commission would be opposed if the windows remained wood as is instead of brick below the arch. Barlow said maintaining the appearance is what the Commission wants. J. Behnfeldt said the ledge will be in there and it is brick or sandstone. J. Miller said whatever Behnfeld tasked over time. Wood must be maintained. Brick doesn't need to be maintained. Peper suggested keeping the same window height. Barlow said brick would look like the neighborin building. Behnfeldt said the ledge will be in there and it is brick or sandstone. J. Miller saked about signage. Will we be able to see four courses of brick or will the stucco go all the way up to the windows? Behnfeldt said this will be done by Bob Keller to look framed. The intent is to keep the sign looking the same. When the sign was removed, there was nothing behind there. Keller had to completely frame that in. Peper asked about a tan strip on the left edge of the building. Behnfeldt said it is part of the common wall betweer her building and Rese's. It may be filled in after construction. There was some cracking in the common wall that followed through into her building mett followed through into her building the same of the common starway. When her building at 118 w. Washin		ornamental detail must remain similar if not exact. She hasn't looked at the brick, but it won't be white. It will not be the exact same color as the building next door. They want the building to be its own.
about signage. Will we be able to see four courses of brick or will the stucco go all the way up to the windows? Behnfeldt said this will be done by Bob Keller to look framed. The intent is to keep the sign looking the same. When the sign was removed, there was nothing behind there. Keller had to completely frame that in.Peper asked about a tan strip on the left edge of the building. Behnfeldt said it is part of the common wall between her building and Reese's. It may be filled in after construction. There was some cracking in the common wall that followed through into her building. There is a common stairway. When her building gets repaired, the 		Zimmerman said it is stucco now. Behnfeldt said there will be brick behind the sign and stucco on that. It will resemble Mr. Reese's setup. Lighting in the entryway will be removed. As long as there is no damage to the front glass, there is no need to replace it. The windows will be vinyl as they are in the neighboring building with the same look as next door. The windows are square with wood above the top to make the arch. J. Miller said the Commission allowed vinyl windows on the building next door because they were on the upper level. Behnfeldt asked if the Commission would be opposed if the windows remained wood as is instead of brick below the arch. Barlow said maintaining the appearance is what the Commission wants. J. Miller said whatever Behnfeldt thinks could be maintained over time. Wood must be maintained. Brick doesn't need to be maintained. Peper suggested keeping the same
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NPC 13-03To approve proposed exterior changes (NPC 13-03) to the building at 118 W. Washington St.Passed Yea-4 Nay-0 Abstain-1Roll call vote on above motion: Yea-Barlow, J. Miller, Peper, G. Miller Nay- 		of the common wall between her building and Reese's. It may be filled in after construction. There was some cracking in the common wall that followed through into her building. There is a common stairway. When her building gets repaired, the tan strip won't be seen. As the buildings pulled forward, hers pulled with it. If you look at her building west looking east, it protrudes out past the other one due to water, freezing, and expanding causing the bricks to crumble and fail. G. Miller said
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Nay-0 Abstain-1Nay- Abstain-WallaceMotion To AdjournMotion: J. Miller To adjourn the meeting at 3:54 pmPassed Yea-5 Nay-0Roll call vote on above motion: Yea-Wallace, Barlow, J. Miller, Peper, G. Miller Nay-DATE:		
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	·	Kelly Wallace, Chair

City of Napoleon, Ohio PRESERVATION COMMISSION

Meeting Minutes Tuesday, May 14, 2013 at 3:00 PM NPC 13-04 123 E. Washington St. Henry County Sheriff Dept. (Meeting continued after consideration of NPC 13-02) PRESENT Kelly Wallace - Chair, Ed Peper, Marv Barlow (arrived at 3:25), Glenn Miller Commission (arrived at 3:16), Joel Miller Tom Zimmerman, Building Inspector **City Staff** Recorder Barbara Nelson John Rosebrock, Margo Behnfeldt, Robin Weirauch Others ABSENT Commission None BACKGROUND An application for a Certificate of Appropriateness has been requested by Henry NPC 13-04 County Commissioners, owner of Sheriff Department building, to review the 123 E. Washington St proposed exterior changes to this building at 123 E. Washington St. located within the City's Preservation District Chairperson Wallace said this building is located behind the courthouse. It is on the national historic registry. Second: J. Miller **Motion To Declare** Motion: Peper To declare that the building at 123 E. Washington St. is a historical resource to the **Building A Historic** Resource **City's Preservation District** Roll call vote on above motion: Passed Yea-3 Yea – Wallace, J. Miller, Peper Nay-0 Nay-Chairperson Wallace swore in John Rosebrock Swearing In **Evidence Submitted** Wallace submitted pictures of 123 E. Washington St. as evidence. Wallace read the list of proposed changes. A handicap ramp will be added to the side of the building. They will remove the elevator and its enclosure and put the ramp going back and forth starting at ground level. Rosebrock described how the ramp will be built. It is set up with two turns. Zimmerman said the outside front will be the same height as the existing step. It will Testimony stick out 4'. (Glenn Miller arrived.) It will be built against the building with 1" to 1-1/2" thick insulation. Wallace said we must be careful that any additions and modifications don't take away from the historic nature of the building. If it had to be removed, there should be no damage to the building. Will the 1" insulation adhere to the existing structure? Zimmerman said we could put it below the limestone. Rosebrock said if the ramp was removed, there is no reason the barrier couldn't be removed too. The barrier has to be there for expansion/contraction. We eliminated any foundational work against the building due to its age.

Wallace asked if the ramp has to be that close to the structure. Rosebrock said per the

	ADA Code, we have to give 0" clearance plus 1-1/2" grabbing radius around the railing. We would like it to be narrower if we could for parking backup radius. It will stick out no farther than the existing landing. Weirauch asked if they will add to the landing. Rosebrock said they will not add to it. The ramp will butt up to it. Peper asked the size of the landing. Rosebrock said it is 9'9" deep and about 7' wide.
	Weirauch asked about the bumper post. Rosebrock said there will be one on the outside corner of the ramp. Weirauch asked if it will be yellow. Rosebrock said Wood County won't make an issue of yellow. The current ones are brown. They will protect the ramp in case of icy conditions.
	Wallace asked if anything will be drilled into the existing foundation. Rosebrock said no. The isolation material will be 4-6" deep. We typically drill rods and tie in, but can't. We will put a footing in to fight frost. Wallace said the basic recommendation is to do the least amount of construction on to an existing building. J. Miller said there is one area butting up to, but not attaching to the building. (Barlow arrived.)
	Rosebrock said we looked at putting the ramp at the back door, front door, etc. This is the door with secured access. G. Miller said it is a less obtrusive place. It is monitored with a camera, but it is not public access. J. Miller said we want the barrier to be good so moisture isn't trapped behind and affects the wall. This is the best option we could have. Wallace said the ramp will protect the existing building. Rosebrock said some rain will run off the ramp where the landing is, but it will be a minimal amount. Most of the rain will run off the ramp itself.
	Peper said he appreciates the efforts being made to preserve the building and its historical character. One of the reasons it is a historical building is because three individuals were hung there for crimes. The Sheriff printed tickets for people to come in and see the first one. There is a photo of people flooding into the street and into the intersection due to curiosity about the hearing. The sheriff hung him privately in that building. Weirauch asked if there is any reason that concrete would put pressure against the foundation wall. Rosebrock said there are intermediate foundations through there, stairstepping the loads to the outside wall. Most of the load will be on the side of the wall against the asphalt. The dirt load is there already. Peper asked if there will be a catch basin in the parking lot. Rosebrock said no, it is not that far.
Motion To Approve NPC 13-04	Motion: J. Miller Second: Peper To approve proposed exterior changes (NPC 13-04) to the building at 123 E. Washington St.
Passed Yea-3 Nay-0 Abstain-1	Roll call vote on above motion: Yea-Wallace, Barlow, J. Miller, Peper Nay- Abstain-G. Miller
Meeting Continued	Meeting continued with consideration of NPC 13-03.
DATE:	Kelly Wallace, Chair

Kelly Wallace, Chair
City of Napoleon, Ohio

CITY COUNCIL

LOCATION: City Hall Offices, 255 West Riverview Avenue, Napoleon, Ohio

Special Meeting Agenda Wednesday, August 14, 2013 at 7:30 PM

Call to Order Α.

Discussion/Action: General Discussion of Combined Dispatch Services and Other Options Β. (Tabeled)

Adjournment С.

Gregory CHeat Finance Director/Clerk of Council

To: Water, Sewer, Refuse, Recycling & Litter Committee, Council, Mayor, City Manager, City Law Director, City Finance Director, Department Supervisors
From: Gregory J. Heath, Finance Director/Clerk of Council
Date: 8/6/2013
Re: Water, Sewer, Refuse, Recycling & Litter Committee Meeting Cancellation

The Water, Sewer, Refuse, Recycling & Litter Committee, which is regularly scheduled to meet on Monday, August 12 at 7:00 PM, has been <u>CANCELED</u> due to lack of agenda items.

- To: Municipal Properties, Buildings, Land Use & Economic Development Committee, Council, Mayor, City Manager, City Law Director, City Finance Director, Department Supervisors
- From: Gregory J. Heath, Finance Director/Clerk of Council
- Date: August 5, 2013
- **Re:** Municipal Properties, Buildings, Land Use & Economic Development Committee Meeting Cancellation

The Municipal Properties, Buildings, Land Use & Economic Development Committee, which is regularly scheduled to meet on Monday, August 12 at 7:30 PM, has been <u>CANCELED</u> due to lack of agenda items.

To:	Board of Zoning Appeals, Council, Mayor, City Manager, City Law			
	Director, City Finance Director, Department Supervisors, Media			
From:	Gregory J. Heath, Finance Director/Clerk of Council			
Date:	7/30/2013			
Re:	Board of Zoning Appeals Meeting Cancellation			

The Board of Zoning Appeals meeting regularly scheduled for Tuesday,

August 13 at 4:30 PM has been <u>CANCELED</u> due to lack of agenda items.

To: Planning Commission, Council, Mayor, City Manager, City Law Director, City Finance Director, Department Supervisors, Media
From: Gregory J. Heath, Finance Director/Clerk of Council
Date: 7/30/2013
Re: Planning Commission Meeting Cancellation

The Planning Commission meeting regularly scheduled for Tuesday, August 13 at 5:00 PM has been <u>CANCELED</u> due to 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

August 8, 2013

Mailed: Regular Mail

Mr. Stephen Kryder, Chairman Henry County Republican Party 4-862 County Rd P McClure, Ohio 43534-9706

RE: Vacancy on City Council of Napoleon, Ohio

Dear Mr. Kryder:

I am informing you as Chairman of the Henry County Republican Party that Mr. James W. Hershberger, an elected Council Person, recently passed away on August 6, 2013, creating a vacant position on the City of Napoleon, Ohio (City) City's Council. It is my understanding Mr. Hershberger was a registered Republican when he last ran.

Pursuant to City Charter, *Section 2.08 Vacancies*, "If a vacancy occurs on Council and within thirty (30) days thereafter, those Central Committee members living in the City, from the same political party as the vacated member at the time of his or her election or appointment to Council, may recommend to Council a person to fill the vacancy for the unexpired term." (Please See Attached Section 2.08 Vacancies, City Charter) Section 2.02 Qualifications, listed in City Charter, describes the Eligibility for a person to be a Council member. (Please See Attached Section 2.02 Qualifications, City Charter)

If the Central Committee members living in the City chose to provide a recommended person to City Council to fill this position, please provide the Name of the person (Being a Qualified Elector of the City), in writing, by no later than Thursday, September 5, 2013, or any time sooner is acceptable. Should the Central Committee decide to not provide a person's name, please inform me as soon as possible. Please send all responses to my attention as Clerk of Council.

Thank you for your assistance in this matter.

Sincerely,

Gregory J. Heath Finance Director/Clerk of Council

Attachments Cc: Members of City Council Mayor City Manager City Law Director

Fw: Fwd: FW: Tax Reform Study Committee Agenda

From: "Gregory J Heath" <gheath@napoleonohio.com>

To: "Roxanne Dietrich" <rdietrich@napoleonohio.com>

Attachments: Tax Reform Study Committee Release.docx (28.3 kB);

08/08/13 08:28 AM

For Council Packets.

-----Original Message-----From: "Michelle Jordan" <datataxgroup@gmail.com> To: "undisclosed-recipients:"@napoleonohio.com Date: 08/07/2013 05:38 PM Subject: Fwd: FW: Tax Reform Study Committee Agenda

Dear DATA members:

IMPORTANT!!! Mark your calendar for the September 17th meeting outlined below. The Tax Reform Study Committee will be holding a meeting to address MUNICIPAL INCOME TAX ISSUES on September 17th, 1:00 pm, room to be determined.

IT WILL BE VERY IMPORTANT to prepare and provide testimony before this committee. Please read the notice below regarding how to provide written testimony, and the allotted time frame for testimony to be given. It is good to see that the Committee is planning on providing adequate time for Q & A with each witness.

Please plan on attending this meeting, and please distribute to everyone in your administration who has been following the very important issue(s) of municipal income tax uniformity / reform.

Thank you!

Michelle

Note location changes for August 14th and August 21st



For Immediate Release Contact: Alex Goodman August 7, 2013 (614) 644-7928

Scherer Announces Summer Tax Reform Committee Schedule

COLUMBUS-State Representative Gary Scherer (R-Circleville) today announced the schedule of the House Tax Reform Legislative Study Committee.

A total of five hearings will be held through August and September:

• August 14: Ohio University Chillicothe Branch (101 University Drive, Chillicothe, OH 45601);

10 a.m. All taxes except municipal income taxes.

• August 21: University of Cincinnati East Branch (1981 James E. Sauls Sr. Drive, Batavia, OH 45103);

10 a.m. All taxes except municipal income taxes.

- **September 3**: Bowling Green City Council Chambers (304 North Church Street, Bowling Green, OH 43402); 10 a.m. All taxes except municipal income taxes.
- September 12: North Ridgeville City Council Chambers (7307 Avon Belden Road, North Ridgeville, OH 44039); 10 a.m. All taxes except municipal income taxes.
- September 17: Ohio Statehouse (1 Capitol Square, Columbus, OH 43215), room to be determined;

1 p.m. Municipal income taxes only.

The Tax Reform Study Committee is one of three study committees being conducted this summer by the Ohio House of Representatives. The other two are the Higher Education Reform Study Committee chaired by Representative Cliff Rosenberger and the Prescription Drug Addiction and Healthcare Reform Study Committee chaired by Representative Robert Sprague.

"I look forward to getting these committee hearings underway," Scherer said. "It will be very beneficial to the General Assembly to hear citizens bring forth ideas and concerns regarding tax policies in Ohio."

The first four hearings will include discussions on all state and local taxes with the exception of the municipal income tax, which will be the only topic for discussion during the September 17th committee meeting at the Ohio Statehouse.

Anyone wishing to offer testimony should submit a written version of the testimony to Alex Goodman at <u>(614)644-7928</u> or <u>Alex.Goodman@ohiohouse.gov</u> by noon the day before each hearing. Due to the limited time available for testimony, Chairman Scherer asks that it is limited to five minutes per presentation to allow adequate time for questions and conversation.

-30-

Michelle Jordan DATA Dayton Area Tax Administrators

Tax Manager, Dayton Branch Office Central Collection Agency 371 W Second St, Suite 110 Dayton OH 45402 937.227.1359 Office 216.857.7382 Cell www.ccatax.ci.cleveland.oh.us



August 9, 2013

AMP launches Efficiency Smart member mailing for new 2014-2016 contract term

By Jolene Thompson – senior vice president member services & external affairs/OMEA executive director

AMP has officially launched the member subscription effort for the new Efficiency Smart contract term for 2014-2016. VEIC will continue as the third-party administrator. Shelby became the first AMP member to subscribe to this new contract term for Efficiency Smart on Aug. 5. Shelby is a new entrant to the program.

All remaining AMP principal contacts should receive a package including a cover letter, draft schedule, draft ordinance/resolution, copy of the AMP/VEIC contract, and an Efficiency Smart 2012 annual report in the next few days.

The program, which launched in 2011, has provided subscribing AMP members with the lowest-cost, least-risk additional power supply resource available and helped them maintain a competitive balance with programs offered by investor-owned utilities while delivering significant value to member customers. As Marc Gerken, AMP's President/CEO noted, "The program has collectively bested our initial cost/benefit ratios, savings estimates and performance metrics. Efficiency Smart is unique in that it is a comprehensive program featuring a rigorous third-party evaluation, measurement and verification process, individual member performance guarantees, special programs for vendor outreach, and a high level of flexibility to adapt programs to local needs. The first three-year contract will draw to a close at the end of the year and AMP is proud to be starting the subscription process for the next contract."

Gerken further noted, "Efficiency Smart remains a low-cost, least-risk power supply resource, given that its levelized cost continues to decline and remains well below the levelized cost of other new generic resource options..." (as illustrated by the chart below).



*Efficiency Smart cost = Average levelized cost for energy efficiency programs through the country assuming a 10.5 year average measure lifetime and based on 2011 and 2012 ACEEE State Scorecard data. This average levelized cost also reflects the decrease in levelized costs actually experienced by the Efficiency Smart program during its initial contract term

see EFFICIENCY Page 2

Registration for 2013 AMP/OMEA Conference now available online

By Karen Ritchey – manager of communication programs

Registration information for the 2013 AMP/ OMEA Conference is now available online. The registration brochure and a link to register online are located on the home page of the <u>AMP website</u>. Printed copies of



DISCOVER @ LEARN @ CONNECT

the registration brochure will be mailed soon. Conference attendees are strongly encouraged to register online.

This year's event will be held Oct. 28-31 at the Hilton Columbus at Easton, 3900 Chagrin Dr., Columbus OH.

Hotel reservations can also be made online at the AMP's website via the <u>"Hotel Reservations" link</u>, or by calling the Hilton at 614.414.5000 and using the group code "AMP." **Please make reservations early as rooms in this block are limited and are only being held until Oct. 6.**

The conference agenda includes educational sessions, participants meetings, project and finance updates, membership and committee meetings, and panel discussions.

If you have any questions, please contact me at 614.540.0933 or kritchey@amppartners.org.





Call Krista Selvage at 614.540.6407 or email to kbselvage@amppartners.org if you would like to pass along news or ads.

EFFICIENCY continued from Page 1

AMP and VEIC have received a good deal of positive feedback from members and their customers about the program over the past few years, and we're excited about building on those efforts in the next phase of the program. In addition to negotiating a lower rate from the standard rate in the first contract, we've also incorporated member feedback on a number of changes they would like to see made going forward. We're scheduling member meetings and council/board presentations to review the results of the 2011-2013 program and the structure of the program going forward.

Please contact Randy Corbin at 614.540.0844 or rcorbin@amppartners.org if your community doesn't receive its packet in the next week and/or to schedule a meeting or presentation.

AMP hosts investor tours, project updates

By Chris Deeter – assistant vice president finance and member credit compliance

On Tuesday, Aug. 6 and Wednesday, Aug. 7, AMP hosted tours and provided project updates for Hydro Phase 1 at the Cannelton locks and dam, and also for Hydro Phase II at the Meldahl locks and dam hydroelectric project.



Photo courtesy of Frank Tuttle

roject. Investors in the Mike Perry and Pete Crusse lead a tour and project update at AMP's Cannelton project site on Aug. 6.

project's bonds, representatives from Moody's Investors Service and Fitch Ratings, and members of AMP's banking syndicate were in attendance.

At each of the sites, Mike Perry, senior vice president of generation operations, and Pete Crusse, vice president of hydroelectric construction, provided presentations to update the participants on the construction progress as well as providing a primer on hydroelectric generation for attendees unfamiliar with bulb turbine generation. Each of the sessions was followed by a period for questions and answers from the participants. A walking tour at each construction site was then conducted following the presentations.

Hydro photos updated

Updated construction photos of AMP hydro projects are now posted on the AMP website. These images are updated regularly to illustrate the progress of project construction in chronological order. Subscribers of AMP Alerts will receive notifications when these and other online categories are updated. To subscribe, visit <u>www.amppartners.org</u> and choose the "subscribe" link in the top right corner of the home page.

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

Week ending Aug. 9					
MON \$32.75	TUE \$33.00	WED \$37.25	THU \$36.50	FRI \$38.00	
Week end	ing Aug. 2				
MON \$34.20	TUE \$32.51	WED \$35.67	THU \$34.96	FRI \$33.18	

AEP/Dayton 2014 5x16 price as of Aug. 9 — \$38.80 AEP/Dayton 2014 5x16 price as of Aug. 2 — \$39.06

Nominations sought for OMEA board and honorary membership

By Orrville Mayor Dave Handwerk – OMEA nominating committee chair

The Ohio Municipal Electric Association (OMEA) Board of Directors is seeking nomina-



tions for the four expiring seats on the OMEA Board of Directors. The seats up for election this year are currently held by Bryan, St. Clairsville, Tipp City and Westerville.

Three of the four seats must be filled by an elected official and one can be filled by an elected or non-elected official. Nominations should be directed by Sept. 9 to any member of the OMEA Board nominating committee, which is made up of Montpelier Mayor Steve Yagelski (419.485.5543 or <u>steve.yagelski@cktech.biz</u>), Wadsworth Mayor Robin Laubaugh, (330.335.2706 or <u>rlaubaugh@wadsworthcity.org</u>), and me (330.684.5001 or <u>dhandwerk@orrville.com</u>), or to Jolene Thompson, OMEA executive director (614.540.1111 or jthompson@amppartners.org).

The OMEA Board is also seeking nominations for honorary memberships, which are awarded to individuals who have a distinguished public power career with significant accomplishments – with special consideration given to individuals who have retired from service or who have announced they will be retiring in the near future. Honorary Members are encouraged to attend meetings, but can't vote or hold office in the organization. Elections for the board and honorary memberships will take place during the OMEA general membership meeting on Oct. 30 in conjunction with the AMP/OMEA annual conference in Columbus.

If you would like more information or have questions, please contact Jolene Thompson at either <u>jthompson@amppartners.org</u> or 614.540.1111.

www.amppartners.org

AFEC weekly update

By Craig Kleinhenz - manager of power supply planning

The plant operated in the normal pattern of base minimum during the overnight hours and base maximum during the daytime hours last Friday and Saturday, Aug. 2 and 3. On Sunday and into Monday, temperatures were cooler (highs in the mid-70s) which resulted in the plant being dispatched offline on both days. The plant was then dispatched back online Tuesday morning and returned to the normal dispatch pattern through Aug. 8.

For the week, AFEC averaged a 46 percent load factor (based on 675 MW). Duct burners were not used at all this week due to lower market prices. AFEC was approximately \$5.44/MWh cheaper than on-peak market prices for base generation.

Energy markets

By Craig Kleinhenz

For a third week in a row, energy prices closed lower. The Aug. 8 report of the amount of natural gas in storage came in slightly higher than forecast. This combined with mild weather forecast for much of the Midwest and East Coast to help push prices lower.

September natural gas prices closed down \$0.10/MWh this week to end at \$3.29/MMBtu. 2014 on-peak electric prices at AD Hub finished down \$0.26/MWh from last week, closing at \$38.80/MWh. This represents a three-week decrease of \$2.32/MWh in 2014 power prices.

AMP mails Awards packets

By Karen Ritchey

What projects and programs has your community completed in the past year that should be recognized? Now is the time to nominate them for an AMP Award. AMP Awards packets were mailed earlier this week to AMP and OMEA principal contacts.

Included in the packet are nomination forms for the Environmental Stewardship, Hard Hat Safety (individual), Innovation, Public Power Promotion, Safety (system), Seven Hats, and System Improvement awards. Information regarding the Finance Awards is included for reference purposes only – the awards do not require a nomination form.

Electronic versions of the nomination forms are available on the Member Extranet section of the <u>AMP website</u>. To nominate your municipal electric system for one or several of the awards, simply fill out the nomination form for the award categories that apply. Nominations must be received by Sept. 6, 2013. Award recipients will be recognized at the 2013 AMP/OMEA Conference this October.

If you have any questions, please contact me at 614.540.0933 or <u>kritchey@amppartners.org</u>.

AMP seeks members to participate on smart grid advisory committee

By Alice Wolfe – assistant vice president of power supply planning & alternative generation

It's not too late to participate in AMP's smart grid advisory committee. As approved by the Board of Trustees at its June meeting, AMP is seeking participants from both large and small communities, particularly those who desire to pursue shared smart grid systems.

The committee is anticipated to meet for the first time in the next two weeks, and continue for six to eight months, with one- to two-hour meetings every other week. The group's main purpose is to evaluate the potential for AMP to enter a new line of business by determining the costs, benefits and risks of a jointly purchased smart grid solution.

The committee's work builds upon the survey conducted by SDS on AMP's behalf last December, when members were asked about smart grid equipment and plans. In addition to reviewing survey results and investigating systems, it is anticipated that the group will evaluate a business plan that includes equipment pricing. The committee's primary responsibility is to recommend to the Board of Trustees whether or not AMP should pursue a shared smart grid solution.

To sign up for the advisory committee or learn more about the project, please contact me at 614.540.6389 or awolfe@amppartners.org.

Calendar

Aug. 20—AMP Golf Outing & Organization and Project Update Dinner

Aug. 29—AMP finance & accounting subcommittee meeting Holiday Inn-Johnstown, Pennsylvania

Sept. 12—AMP finance & accounting subcommittee meeting Piqua Power System, 201 Hemm Ave., Piqua

Oct. 6-12—Public Power Week activities in member communities

Oct. 7-11—AMP Advanced Lineworker training AMP Headquarters, Columbus

Oct. 28-31—AMP/OMEA Conference *Hilton Columbus at Easton, Columbus*

Dec. 5—AMP finance & accounting subcommittee meeting AMP Headquarters, Columbus By Karen Ritchey

The 2013 recipients of the AMP Richard H. Gorsuch and Lyle B. Wright scholarships were announced in May. This summer, AMP staff members have been traveling to member communities to present scholarship checks to recipients during council meetings. The last 2013 scholarship check presentation was held Aug. 5.

There were 55 students nominated by member communities this year, and four recipients were chosen for both the Gorsuch and Wright Scholarships.

Wright Scholarship recipients are:

- Josephine Benson Bowling Green
- Shelby Eldridge Greenwich
- Haley Moeller New Bremen
- Samuel Prakel Versailles

Gorsuch Scholarship recipients are:

- Victoria Wobser, daughter of Amy Wobser, network systems administrator Clyde
- Michael Knoblauch, son of Jeff Knoblauch, finance director Hudson
- Olivia Myers, daughter of Dawn Myers, assistant general manager New Martinsville Electric New Martinsville
- Corbin Blair, son of Michael Blair, councilman Carey

AMP's two scholarship programs are available to graduating high school seniors. Both are one-time grants of \$2,000 and are presented to as many as four students for each scholarship annually. Winners of both awards are determined by their personal achievement in school and community activities, knowledge of public power based on a written test, and scholastic record.

Since the program's inception in 1988, AMP has awarded 147 scholarships to students in Michigan, Ohio, Pennsylvania, Virginia and West Virginia – totaling \$240,000.

The 2014 scholarship information will be mailed to AMP principal contacts in December.

The Gorsuch scholarship, named in honor of former AMP-Ohio president in 1988, is awarded to graduating high school seniors whose parent or guardian is an employee of either a municipal electric system, AMP, or an elected official with responsibility for the electric system.

The Lyle B. Wright scholarship is presented to graduating high school seniors whose household receives electricity from one of AMP's member communities. Wright was a strong advocate of public power on both state and local levels, and the scholarship was created and named in his honor in 1989.

For more information on AMP's scholarships, please contact me at 614.540.0933 or <u>kritchey@amppartners.org</u>, or visit the scholarship section of the AMP website under the <u>"For Consumers" tab</u>.

Please join me in congratulating this year's scholarship recipients.



AMP's Director of Marketing/Member Relations Harry Phillips presents a Wright Scholarship check to Sam Prakel (left) of Versailles.



Jay Myers (left), AMP member marketing representative, presents a Gorsuch Scholarship check to Michael Knoblauch of Hudson.



Olivia Myers (left), Gorsuch Scholarship recipient from New Martinsville, receives a scholarship check from Harry Phillips.

Update Classifieds

Hubbard seeks lineworkers

The City of Hubbard, Ohio, is seeking a Journeyman Lineworker Power Distribution and Apprentice Lineworker Power Distribution.

Journeyman Lineworker: Minimum of four years apprentice training or the equivalent and two years journeyman experience. Accredited lineman certification preferred. Must possess thorough knowledge of overhead and underground electric distribution systems for new construction and repair/rebuild work. Questions or position details can be directed by email to <u>line1023ep@sbcglobal.net</u>.

Applications must be made on the regular application form obtainable from the Mayor's Secretary at the City of Hubbard Municipal Building, 220 West Liberty Street, Hubbard, Ohio 44425 or by emailing a request to: j.darko@cityofhubbard.com. Deadline to apply is Sept. 6, 2013 at 4 p.m.

Apprentice Lineworker: Minimum of two years apprentice training or the equivalent. Time in an accredited lineman certification program preferred. Must possess live line experience and knowledge of overhead and underground electric distribution systems for new construction and repair/rebuild work. Questions or position details can be directed by email to <u>line1023ep@sbcglobal.net</u>.

Applications must be made on the regular application form obtainable from the Mayor's Secretary at the City of Hubbard Municipal Building, 220 West Liberty Street, Hubbard, Ohio 44425 or by emailing a request to: <u>j.darko@cityofhubbard.com</u>. Deadline to apply is Sept. 6, 2013 at 4 p.m.

Electric distribution superintendent candidates needed in Bryan

Bryan Municipal Utilities, Bryan, Ohio is seeking an individual to direct the operation of the municipal electric distribution system. Essential duties include budgeting, planning, and supervising the construction, operation and maintenance of the electric distribution system. Minimum requirements include five years of experience operating a municipal electric system, completion of two years of college-level coursework in engineering or business or equivalent, and supervisory experience. Valid Ohio driver license required. Salary range: \$40,000-\$85,000/year with excellent benefits.

Bryan (pop. 10,000) is located in the northwest corner of the state and offers a rural setting, affordable housing and broadband access. Bryan is one of the 100 Best Small Towns in America. Job description may be downloaded from www.cityofbryan.net/employment.asp.

Submit cover letter and résumé by Aug. 30, 2013, to Bryan Municipal Utilities, 841 E. Edgerton St., Bryan, OH, 43506; or email to <u>humanresources@cityofbryan.com</u>. EOE.

City of Columbus accepts resumes for Engineer II

The Division of Power, City of Columbus is accepting resumes for an Engineer II position. Salary \$57,408.00 -\$86,091.20. Applicants will have considerable knowledge of the techniques and problems associated with electrical distribution systems. Must have a valid State of Ohio certificate as a registered Professional Engineer and oneyear of professional engineering experience.

Substitutions(s): Possession of a valid State of Ohio certificate as a registered Professional Engineer (P.E.) and five years of practical engineering experience. A valid motor vehicle operator's license is required.

Please send resumes by close of business on August 16, 2013 to: Nikole Pettus, Department of Public Utilities, 910 Dublin Road, Columbus, Ohio 43215.

Email: <u>DPURecruitment@columbus.gov</u> Telephone: 614.645.1494 Fax: 614.645.0500. Pre-employment medical/drug screen, and background investigation required if selected. EOE

Cuyahoga Falls gives notice of examination for Telecommunications Dispatcher

The City of Cuyahoga Falls has given notice that the Cuyahoga Falls Civil Service Commission will administer a written examination for the following position: Telecommunications Dispatcher (Open – Competitive Exam) at 6 p.m. Aug. 15 in the Cuyahoga Falls High School Library, 2300 Fourth Street, Cuyahoga Falls, OH 44221 (Registration will begin at 5 p.m.). A valid driver's license or state issued ID must be presented on the evening of the examination.

Applicant must be 18 years of age, a citizen of the United States or lawfully permitted to work in the United States and possess a high school diploma or GED.

For a full description, visit <u>http://cfo.cityofcf.com/web/</u> <u>departments/human-resources/job-postings</u>.

Visit <u>www.cityofcf.com</u> to print applications. Applications are also available at the City Building, 2310 Second Street, Cuyahoga Falls, OH 44221 from 8 a.m. to 5 p.m. weekdays.

Coldwater seeks public works engineer, engineering technician

The Coldwater Board of Public Utilities is seeking qualified candidates for an electrical public works engineer and/or engineering technician position. The position is responsible for the engineering, design and management of electric substations, transmission and distribution systems; administering, developing and maintaining electric system maps, modeling, GIS and SCADA systems using industry related software and applications; and providing technical support for all public utility systems and assets.

Qualified candidates for the technician position should have an associate's degree in electrical engineering or related field with at least two years of experience.

Qualified candidates for the engineer position should have a bachelor's degree in electrical engineering or related field with at least four years of experience.

Competitive compensation and benefits while offering the opportunity to live in a progressive Michigan community. To apply, submit resume to Sue Rubley, Coldwater Board of Public Utilities, One Grand Street, Coldwater, MI 49036. Preferably email to <u>resume@coldwater.org</u>. Phone: 517.279.9531. Equal opportunity employer.