Memorandum

To: Mayor & Members of Council

From: Jon Bisher/rd

Subject: General Information

Date: June 8, 2012

1. CALENDAR

2. AGENDAS/CANCELLATIONS

- A. Electric Committee Monday, June 11th @ 6:30 p.m.
 - 1. **Approval of Minutes**: (Committee Meeting Minutes from the May 14, 2012 meeting)
 - 2. **Review/Approval of the Electric Billing Determinants for June, 2012** the June billing determinant reports are attached.
 - 3. **Electric Department Report** the May 2012 report is attached.
 - 4. **AMP EcoSmart Choice Program** we have enclosed a Memorandum from Greg Heath on *the Cost to Implement the EcoSmart Program*
- B. Board of Public Affairs Monday, June11th at 6:30 pm
- C. Water, Sewer, Refuse, Recycling & Litter Committee has been Canceled
- D. Municipal Properties/ED Committee Monday, June 11th at 7:00 pm
 - 1. Minutes of May 14, 2012
 - 2. Sidewalk Issue Particularly on Jahns Road
 - 3. Review Updated Information from Staff on Economic Development (as needed)
- E. Records Commission Meeting Tuesday, June 12th at 4:00 pm
- F. Board of Zoning Appeals Canceled
- G. Planning Commission Canceled

3. Informational Items

- A. PRESS RELEASE Issued by the Finance Department regarding mailing of utility bills
- B. OhioEPA NPDES Compliance Issue Report for WWTP
- C. Summary from 2012 Spring Seasonal Cleanup
- D. AMP Update/June 1, 2012
- E. OML BULLETIN/June 4 and 8, 2012

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Calendar

Sunday						
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BISHER - Vacation	HOLIDAY - Memorial Day	BISHER - Vacation	6:30 PM Parks & Rec Board			
	BISHER - Vacation		Meeting			
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	7:00 PM City COUNCIL		6:00 PM River City Rodders	10:00 AM WHDH Kidz Fest	BISHER - Vacation	BISHER - Vacation
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	7:00 PM Municipal					
	Properties/Economic					
	Development Committee Mtg.					
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	7:00 PM City COUNCIL Meeting 8:00 PM Parks & Rec				22	
	7:00 PM City COUNCIL Meeting 8:00 PM Parks & Rec Committee Meeting	BISHER - APPA Conf / Seattle			22	
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City of Napoleon, Ohio

ELECTRIC COMMITTEE

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

Meeting Agenda

Monday, June 11, 2012 at 6:30 PM

- 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 June: Generation Charge: Residential @ \$.08026; Commercial @ \$.09498; Large Power @ \$.05323; Industrial @ \$.05323; Demand Charge Large Power @ \$13.19; Industrial @ \$14.53; JV Purchased Cost: JV2 @ \$.04030; JV5 @ \$.04030
- III. Electric Department Report
- IV. AMP EcoSmart Choice Program (Tabled)
- V. Any Other Matters Currently Assigned to the Committee

Gregory J. Heath, Finance Director/Clerk of Council

City of Napoleon, Ohio

ELECTRIC COMMITTEE

Special Meeting Minutes

Monday, May 14, 2012 at 6:00 PM

PRESENT

Members BOPA

Water, Sewer Committee City Council

City Staff

City Stair

Recorder Others

ABSENT

Call To Order

Approval Of Minutes

Review Of Billing Determinants

Motion To Accept BOPA Recommendation For Approval Of Electric Billing Determinants

Passed Yea-2 Nav-0

Electric Department Report

Travis Sheaffer – Chair (arrived at 6:10), Glenn Miller, Patrick McColley

Keith Engler - Chair, Tom Druhot, Mike DeWit

Jeffrey Lankenau - Chair, Jim Hershberger, Chris Ridley

Glenn Miller – President, John Helberg, Travis Sheaffer, James

Hershberger, Jeffrey Lankenau, Patrick McColley, Christopher Ridley

Ronald A. Behm, Mayor

Dr. Jon A. Bisher, City Manager Dennis Clapp, Electric Superintendent Marty Crossland, Staff Engineer Trevor M. Hayberger, Law Director

Gregory J. Heath, Finance Director/Clerk of Council

Jeff Rathge, Operations Superintendent

Barbara Nelson

Julia Blankenship, Adam Hoff, Amber Bretland, Dale Kocarek, Others

None

Acting Chairperson Miller called the Electric Committee meeting to order

at 6:00 PM.

The April 9, 2012, meeting minutes stand approved as presented with no

objections or corrections.

The electric billing determinants for May were presented for review. Heath said Fremont Energy is on the determinants. The billing determinant

program format was modified to add them in.

Motion: McColley Second: Miller

To accept the BOPA recommendation for approval of electric billing

determinants for May 2012 as follows:

Generation Charge: Residential @ \$.07907; Commercial @ \$.09468; Large Power @ \$.05414; Industrial @ \$.05414; Demand Charge Large Power @ \$12.38; Industrial @ \$13.26; JV Purchased Cost; JV2 @

\$.02826: JV5 @ \$.02826

Roll call vote on above motion:

Yea- Miller, McColley

Nay-

Clapp gave the Electric Department Report (attached). (Sheaffer arrived.) We're working on putting a new primary at the hospital. It's not conduit and if it went out, it could take a couple days to get power back. We will work on this in the next few weeks. We don't know the cost yet. DeWit said we should take pride in fixing something before it breaks, especially for a place like the hospital.

Motion To Untable AMP EcoSmart Choice Program

Passed Yea-3 Nay-0

AMP EcoSmart Choice Program

Motion: Miller Second: McColley

To remove AMP EcoSmart Choice Program from the table

Roll call vote on above motion: Yea- Miller, McColley, Sheaffer

Nay-

Bisher said AMP EcoSmart Choice Program was discussed last month, but the Committees wanted to make sure Heath was up to speed on the office side. Julia Blankenship introduced herself. She has done this program for the last 7+ years. She gave a PowerPoint presentation (attached).

Blankenship said AMP plans to take funds left in the program at the end of the year and refund it to participating communities based on their kWh usage. EcoSmart Choice is an AMP brand program. There is no cost to participate in the program. It will require some more staff time to start and track this program. Successful enrollment is usually 1%-2% participation.

Bisher said the issue initially came as net metering and people said they were interested in green power. It is a fairly inexpensive way to be green. We are still working on the hardware side. Heath said it looks like there will be four rate codes (residential, etc.). CMI will have to include the computation in the program. We will probably have a monthly rate code which will be another line item on the bill. It will take some more time. The question is what happens if someone skips town. Other cities net that off the reporting. This should be written in the contract. There will be costs, but AMP will pick up a lot of it. Heath doesn't know how much. The sign-up is a formal contract. People can go in and out of the program.

Heath asked if any communities are CMI customers. Blankenship said she thinks Cuyahoga Falls and Bowling Green are. Heath said Bowling Green is not. Blankenship will check on this. Heath said it may be a \$2,000 investment. It is just an additional line on the bill. We can recover up to .2 cents per kWh. Other cities are designating a .2 difference to a separate fund for future green programs.

Bisher said we always sold our RECs and don't have to do that. Heath said this is a customer service program and will cost money. DeWit said if it's a one-time cost, it's worthwhile. Heath said he wants to get it in the flow and not treat it as an exception. He would be against it if we needed more employees to do billing, etc. The big issue will be contracts with individuals. There should be a deposit. DeWit said the cost will be about \$30 per year per customer. Bisher said it would be bigger if it was an industrial customer.

Engler requested that staff come up with specific costs if more time is needed. He doesn't want to pass something and then find out it costs more than we anticipated. He would like answers to questions regarding CMI, contracts, etc. Heath said his staff can visit Bowling Green or a city that is with CMI. DeWit said he is in favor of the program, but doesn't want to tie us up administratively.

Motion To Table AMP EcoSmart Choice Program

Motion: McColley Second: Miller

To table AMP EcoSmart Choice Program pending more information

Passed Yea-3 Nay-0

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

Wind Purchase Power Agreement

Bisher said information on the Blue Creek Wind Farm was in the packet. They offered a block of wind to AMP for 20 years. This is not an asset, but a PPA (purchase power agreement). There is a strong reason to do it and a strong reason not to. The offer got shortened to 10 years. There are some additional charges for transmission, but a good price for power overall even in 10 years. The problem is we have to finish up Gorsuch through 2014 and don't need power for the first couple years. Beyond that we will be short of power. The advantage of this power is the sooner you get it, the better. Solar RECs are hundreds of dollars and wind is \$1-\$5. DeWit asked who picks up the gap when it's not windy. We only need power from 8am - 5pm for 5 days a week from a non-interruptible power source. We could compare this rate, but it's an interruptible power source. Bisher said it's wind and that's one reason it's \$35. If this was 2014 and we were short, he would say not a bad deal; however, we are already long for 2 years. We wanted to bring it to the Committee because it was inexpensive. Engler said it may look inexpensive, but may not be inexpensive.

Motion To Accept BOPA Motion Not To Purchase Wind Power At This Time

Motion: McColley Second: Miller

To accept the BOPA recommendation not to purchase wind power at this

Passed Yea-3 Nay-0

Motion To Adjourn

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

Motion: Miller Second: McColley

To adjourn at 7:05 PM

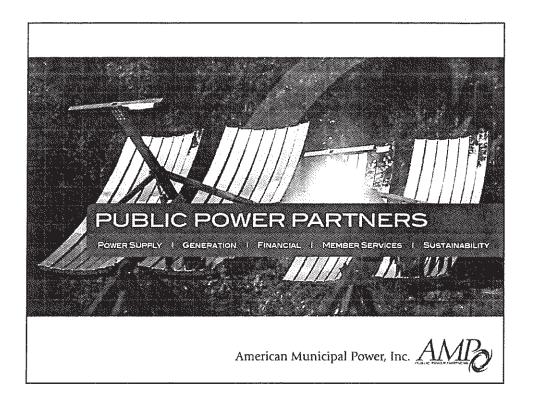
Passed Yea-3 Nav-0

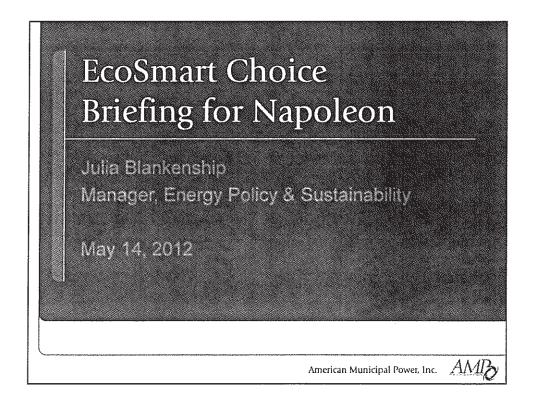
Roll call vote on above motion: Yea- Miller, McColley, Sheaffer

Nay

Date

Travis Sheaffer, Chair





What Is "Green Pricing"?



- "Green pricing" is a term used to describe electricity supply programs that offer an enhanced product to customers, generally in terms of increased renewable energy content
- "Green pricing" is voluntary customers wishing to purchase the enhanced – "greener" – product will pay an additional fee for it, on top of their regular electricity bill
- EcoSmart Choice is AMP's green pricing program

American Municipal Power, Inc. AMP

EcoSmart Choice Participating Communities

- Bowling Green
- Coldwater*
- Cuyahoga Falls
- Ephrata*
- Minster*
- Wyandotte
- Yellow Springs*



* Program implementation in process

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Why Offer Green Pricing?

- · Nationwide, a small but growing percentage of residential customers want the option to purchase renewable energy
- · Some C&I customers have headquarters'imposed renewable requirements:
 - Wal-Mart, many other 'big box' stores
 - U.S. Department of Defense, other agencies
 - Many colleges and universities
- But it's not for everyone

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How It Works



- *EcoSmart Choice* enables participating AMP member communities to extend the benefits of renewable generation to their customers, regardless of the utilities' power supply mix
- · Customers' electricity use is offset with the purchase of an equivalent amount (in MWhs) of renewable energy certificates (RECs) - generally sourced from regional wind, hydro, landfill, or other qualifying projects

American Municipal Power, Inc.

Program Elements





- Allows participating AMP members to offer varying levels of "green" power to their customers
- At the utility's option, residential customers can choose to have 25%, 50%, 75%, or 100% of their monthly electricity usage sourced from "green" resources
- C & I customers can purchase "green" power in blocks of 1 MWh each – currently no limit on number of blocks
- Customers may join or leave program at any time

American Municipal Power, Inc.



Pricing



- Base price is \$0.005 (0.5 cents) / kWh
- For an average residential customer enrolled at 100%, \$3.75 additional would be added to the monthly bill to cover *EcoSmart Choice* participation
- Utilities can choose to charge an additional \$0.002 (0.2 cents) per kWh (for a total of \$0.007 per kWh) – retaining the additional amount for local programs



American Municipal Power, Inc.



Program Administration



- Requires a contract between AMP and participating member community 2 years typically
- AMP provides marketing materials direct mail brochures, bill stuffers (one annually per enrolled community)
- Customers can enroll through postcards, directly with the participating member, or online (<u>www.ecosmartchoice.org</u>)
- Participating members track monthly usage enrolled (in kWh) are report that to AMP
- · AMP invoices participating members based on reported usage
- AMP purchases and retires RECs to cover annual usage by all participating members

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AMPo

Available Marketing Materials – For Customers

- Tri-fold self mailers
 - Can be customized to include member community logo / return address
 - In-stock for member use
 - Member pays postage
- Bill inserts
 - Can be customized to include member community logo / return address / other information
 - AMP will pay for printing once annually per member
 - Member pays postage
- www.ecosmartchoice.org website

American Municipal Power, Inc.

 $AMD_{\mathcal{O}}$

Materials for Participating AMP Members

- Brand Use Guidelines EcoSmart Choice logo, colors, etc.
- CD loaded with approved images for member-generated marketing materials, template for bill stuffer, FAQs, generic press release, reporting form template and instructions, etc.
- Contract

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Proposed Program Modifications

- To be discussed at this week's AMP Board of Trustees meeting:
 - Proposed new "sustainability grants" program
 - Add information to contract regarding annual "true-up" process
 - Determine and clarify source of program RECs (e.g., include CHP?)

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Some Questions



- Is there a cost to AMP members?
- How much enrollment should we expect?
- How long is pricing guaranteed?
- If pricing changes, how is that handled?
- · Will changes be needed to our billing program?
- How does the program handle nonpayment?

American Municipal Power, Inc. AMP

For More Information...

Julia Blankenship Manager, Energy Policy & Sustainability iblankenship@amppartners.org

614/540-0840 - office

614/204-7547 - cell



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Res./Interdept. (G1): 3 Commercial (G2): 2 Large Power (G3): 4 Industrial (G4): 2 Total: 12 Verification Total -> 12 DEMAND COST ALLOCATION: Total Demand Cost (from Power Bills page kW//Billing) Res./Interdept. (G1): Commercial (G2): Large Power (G3): Industrial (G4): Total: Verification Total -> APPLIED GENERATION & DEM JUNE, 2012 Alloc Co DV's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:	Wh q Units 3,763,833 2,104,232 4,051,253 2,208,266 2,127,584 2,127,584 2,127,584 9e): /KVA q Units 5,809 5,017 6,946 3,482 21,254 21,254	\$645,498 Pct. 31.0353% 17.3508% 33.4053% 18.2086% 100.0000% \$372,237 Pct. 27.3313% 23.6050% 32.6809% 16.3828% 100.0000%	\$645,498 ====================================	<- Veri	fication	Total -	Variation Variation	s Due To F	Rounding	
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Large Power (G3): 4 Industrial (G4): 2 Total: 12 Verification Total -> 12 Verification Total -> 12 PEMAND COST ALLOCATION: Total Demand Cost (from Power Bills page kW/ Billing Billing kW/ Billing Billing Billing kW/ Billing Billing Billing Commercial (G2): Large Power (G3): Industrial (G4): Otal: Verification Total -> APPLIED GENERATION & DEN JUNE, 2012 Allog Commercial	4,051,253 2,208,266 2,127,584 2,127,584 2,127,584 ge): /KVA q Units 5,809 5,017 6,946 3,482 21,254 21,253	33.4053% 18.2086% 100.0000% \$372,237 Pct. 27.3313% 23.6050% 32.6809% 16.3828% 100.0000%	\$215,631 \$117,536 \$645,498 ======= \$372,237 ======= Allocated \$ \$101,737 \$87,867 \$121,650 \$60,983	<- Veri	fication	Total -	Variation	s Due To F	Rounding	
Industrial (G4): 2	2,208,266 2,127,584 2,127,584 2,127,584 ge): /KVA g Units 5,809 5,017 6,946 3,482 21,254 21,253	18 2086% 100.0000% \$372,237 Pct. 27.3313% 23.6050% 32.6809% 16.3828% 100.0000%	\$117,536 \$645,498 ======== \$372,237 ======== Allocated \$ \$101,737 \$87,867 \$121,650 \$60,983 \$372,237	<- Veri	fication	Total -	Variation	s Due To F	Rounding	
Total: 12 Verification Total -> 12 Verification Total -> 12 DEMAND COST ALLOCATION: Total Demand Cost (from Power Bills page kW/ Billing Billing kW/ Billing Billi	2,127,584 2,127,584 ge): /KVA g Units 5,809 5,017 6,946 3,482 21,254 21,253	\$372,237 Pct. 27,3313% 23,6050% 32,6809% 16,3828% 100,0000%	\$645,498 ======== \$372,237 ======== Allocated \$ \$101,737 \$87,867 \$121,650 \$60,983 \$372,237	<- Veri	fication	Total -	Variation	s Due To F	Rounding	
Verification Total -> 12 DEMAND COST ALLOCATION: Otal Demand Cost (from Power Bills page kW/ Billing Billing Res./Interdept. (G1): Commercial (G2): Large Power (G3): Industrial (G4): Otal: Verification Total -> APPLIED GENERATION & DEN JUNE, 2012 Alloc Co Co V's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:	2,127,584 ge): /KVA g Units 5,809 5,017 6,946 3,482 21,254 21,253	\$372,237 Pct. 27,3313% 23,6050% 32,6809% 16,3828% 100,0000%	\$372,237 ======= Allocated \$ \$101,737 \$87,867 \$121,650 \$60,983	<- Veri	fication	Total -	Variation	s Due To F	Rounding	
cotal Demand Cost (from Power Bills page kW/Billing) Res./Interdept. (G1): Commercial (G2): Large Power (G3): Industrial (G4): Otal: Verification Total -> APPLIED GENERATION & DEN JUNE, 2012 Alloc Co IV's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On Generation Charge:	ge): /KVA g Units 5,809 5,017 6,946 3,482 21,254 21,253	Pct. 27.3313% 23.6050% 32.6809% 16.3828% 100.0000%	\$372,237 ======= Allocated \$ \$101,737 \$87,867 \$121,650 \$60,983 \$372,237							
kW/Billing Res./Interdept. (G1): Commercial (G2): Large Power (G3): Industrial (G4): otal: Verification Total -> APPLIED GENERATION & DEN JUNE, 2012 Alloc Co V's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:	/KVA g Units 5,809 5,017 6,946 3,482 21,254 21,253	Pct. 27.3313% 23.6050% 32.6809% 16.3828% 100.0000%	Allocated \$ \$101,737 \$87,867 \$121,650 \$60,983							
kW// Billing Res./Interdept. (G1): Commercial (G2): Large Power (G3): Industrial (G4): otal: Verification Total -> APPLIED GENERATION & DEN JUNE, 2012 Allog Co V's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:	/KVA g Units 5,809 5,017 6,946 3,482 21,254 21,253	Pct. 27.3313% 23.6050% 32.6809% 16.3828% 100.0000%	Allocated \$ \$101,737 \$87,867 \$121,650 \$60,983							
Res./Interdept. (G1): Commercial (G2): Large Power (G3): Industrial (G4): otal: Verification Total -> APPLIED GENERATION & DEN JUNE, 2012 Alloc Co V's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:	g Units 5,809 5,017 6,946 3,482 21,254 21,253	27.3313% 23.6050% 32.6809% 16.3828% 100.0000%	Allocated \$ \$101,737 \$87,867 \$121,650 \$60,983	<- Veri	fication	Total				
Res./Interdept. (G1): Commercial (G2): Large Power (G3): Industrial (G4): otal: Verification Total -> APPLIED GENERATION & DEN JUNE, 2012 Alloc Co V's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:	g Units 5,809 5,017 6,946 3,482 21,254 21,253	27.3313% 23.6050% 32.6809% 16.3828% 100.0000%	\$101,737 \$87,867 \$121,650 \$60,983 \$372,237	<- Veri	fication	Total				
Res./Interdept. (G1): Commercial (G2): Large Power (G3): Industrial (G4): otal: Verification Total -> APPLIED GENERATION & DEN JUNE, 2012 Alloc Co V's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:	5,809 5,017 6,946 3,482 21,254 21,253	27.3313% 23.6050% 32.6809% 16.3828% 100.0000%	\$101,737 \$87,867 \$121,650 \$60,983 \$372,237	<- Veri	fication	Total				
Commercial (G2): Large Power (G3): Industrial (G4): Otal: Verification Total -> APPLIED GENERATION & DEN JUNE, 2012 Alloc Co V's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:	5,017 6,946 3,482 21,254 21,253	23.6050% 32.6809% 16.3828% 100.0000%	\$87,867 \$121,650 \$60,983 \$372,237	<- Veri	fication	† ——				
Large Power (G3): Industrial (G4): Otal: Verification Total -> APPLIED GENERATION & DEN JUNE, 2012 Alloc Co IV's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:	6,946 3,482 21,254 21,253	32.6809% 16.3828% 100.0000%	\$121,650 \$60,983 \$372,237	<- Veri	fication	Total				
Industrial (G4): Otal: Verification Total -> APPLIED GENERATION & DEN JUNE, 2012 Alloc Co IV's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:	3,482 21,254 21,253	16.3828% 100.0000%	\$60,983 \$372,237	<- Veri	fication	Total			2 Aundina	
JUNE, 2012 Alloc JUNE, 2012 Alloc Co JV's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:	21,253		ere e e la la comunicação de	<- Veri	fication	Total		- Dua Ta I	Paundina	
APPLIED GENERATION & DEM JUNE, 2012 Alloc Co IV's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:	21,253		ere e e la la comunicação de				- Variation			
JUNE, 2012 Alloc Co IV's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:	MAND RATE	:				T		T		
JUNE, 2012 Alloc Co IV's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:	MAND RATI				,	I		1		
V's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:		ES TO MONTHI	LY BILLING			<u> </u>		ļ	***	
V's Purchased Cost kWH to City JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:	cated	Billing	PWR.RATES			1				
JV2 Joint Venture Rate (JV2 Energy On JV5 Joint Venture Rate (JV5 Energy On Generation Charge:	osts	<u>Units</u>	CHARGED			1		·		
JV5 Joint Venture Rate (JV5 Energy On Seneration Charge:	360		\$0.04030			1	·· .	mx		
Seneration Charge:			\$0.04030			i		÷		
	"?		40.0.00			<u>.</u>		\$: ; ;===:-
	\$302,069	3,763,833	\$0.08026					Kin and		
and the second s	\$199,866	2,104,232	\$0.00020					·		
	\$215,631	4,051,253	\$0.05323						• • •	
The state of the s	\$117,536	2,208,266	\$0.05323			1 .				
And the second s			40.00020							
Demand Charge:	6404.050	0.000	#45.4A							
	\$121,650	9,222	\$13.19 \$14.53			•				
Industrial (D2):	\$60,983	4,198	\$14.53	1						
Total Billing & Unit Check: \$1	1,017,735	12,127,584		1	-			7	•	
	\$1,017,735	12,127,584	Net Costs/kWh		*	•		•	•	
Net Average City Cost of Purchased P			\$0.08389				*	•		
Net Average Customer Cost of Billing p		ior Dilling Months	\$0.10202	1						

BILLING DETERMINA	NTS - JU	INF 2012					
BILLING UNITS RECONCIL	· · · · · · · · · · · · · · · · · · ·		<u> </u>				
· · · · · · · · · · · · · · · · · · ·							
BILLING UNITS - ALLOCAT	ION OF USE B	Y CLASS	-	. v		-	
CITY BILLING	UNITS - PRIO	R MONTH'S DATA	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	e S			
Days in AMP-Oh Bill Month	30	APRIL, 2012		•			
Coincidental Peak in Month	21,349	APRIL, 2012					
Days in Data Month	31	MAY, 2012					
(kWh G1,0	32, G3, & G4 ,-	kW D1 & D2)		CITYS	REET LIGHTS	- kWh ALLOC	ATION
	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>	Per Light	by Light Type
Residential (Domestic)	2,269,224	0		52W	2	17,16	34
Residential (Rural)	1,024,054	218		70W	87	23.10	2,010
Commercial (1P)	46,321	0		100W	484	33.00	15,972
Commercial (1P)(D)	363,524	2,160		150W	58	49.50	2,87
Commercial (3P)	480	17		157 W	2	51.81	104
Commercial (3P)(D)	1,693,907	6,386		250W	328	82.50	27,060
Large Power (D)	4,051,253	9,222	9,222	400W	104	132.00	13,728
Industrial (D)	2,208,266	4,198	4,198				
Interdepartmental	470,555	939					
Total kWh, kW and kVa	12,127,584	23,140	13,420	<u></u>	1,065		61,77
Verification Totals ->	12,127,584	23,140	Street Light list	Revised Per Ele	ectric Superint	endent on 12/2	1/2009.
				1.4-10.1			
	AVERAGE	AND EXCESS DE		LATION			
			Calculated		Allegated	System	
ļ ,	Monthly	Monthly	or Actual		Allocated	kW Load	,
	kWh	Average	Maximum	Excess	Excess	Delivered A & E	
	Delivered	Demand	Demand	Demand	Demand		
Residential (Domestic)	2,269,224	3,152	4,107	955	350		
Residential (Rural)	1,024,054	1,422	1,853	431	158	1,580	
Commercial (1P)	46,321	64	83	19	7	71	
Commercial (1P)(D)	363,524	505	2,160	1,655	607	1,112	
Commercial (3P)	480	1	1	0	0		
Commercial (3P)(D)	1,693,907	2,353	6,386	4,033	1,480		
Large Power	4,051,253	5,627	9,222	3,595	1,319	6,946	
Industrial	2,208,266	3,067	4,198	1,131	415	3,482	
Interdepartmental	470,555	654	852	198	73	727	
Total Billed System	12,127,584	16,845	28,862	12,017	4,409	21,253	
Outdoor Lights	61,779	86	112	26	10	96	
Total System	12,189,363	16,931	28,974	12,043	4,419	21,349	
System Load Factor:	the state of the s	<- Total kWH Del. / (d X 24 X # Days	in Data Month)	۸ .	
		12189363 / (21349 x		ation Total-Coinc		21,349	Page - 2 of 4

ELECTRIC

LLLOTTIO					Dicento Di	C I CIVINIANZIA I	<u> </u>					DETERMINA	ANIS
BILLING DETERMINANT JUNE, 2012	S - JUNE	, 2012											
PREVIOUS MONTH'S POWER E	BILLS - PURCH	ASED POWER	AND POWE	R SUPPLY C	OST ALLOCAT	TIONS:							
	:	DAYS IN	SYSTEM									EXCISE	
DATA PERIOD	MONTH	MONTH	PEAK		•		!					TAX RATE	
AMP-Ohio Bill Month	APRIL, 2012	30	21,349		-			•		** * * * * *		\$0 0498688	
System Data Month	MAY, 2012	31		PRAIRIE ST. 8		:						10.00000	
	GORSUCH &	AMP CT		NWASG	FREEMONT	J-ARON	JV-2		JV-6	TRANSMISSION	Service Fees	** *	
	EFF.SMART	CAP.& TRANS.	NYPA	NORTHERN	ENERGY	PP and	PEAKING	JV-5	WIND		AMP Disp,A&B	*	•
PURCHASED POWER-PROVIDER ->	A CONTRACT OF THE RESIDENCE OF	SCHEDULED	SCHEDULED	POWER POOL	SCHEDULED	SALE	SCHEDULED		SCHEDULED	the state of the s	Other Charges	TOTALS	
Delivered kWh (On Peak) ->	·	8,705	586,809	1 725	2 196,168	288,000	65	2.223.360	59,815	An Charges	Other Charges	12,568,993	
Delivered kWh (Off Peak), or Losses ->	and the second second	0,100	500,005	1,655,354	2,150,100	200,000		32,414	39,013				
CREDITS- Sale Excs & J Aron(Energy) ->	A Company of the Comp			and the second of the second		000.000		32,414				1,792,727	
	The state of the s	9.705	500 000	-1,880,775	2 406 460	288,000		0.055.77				<u>-2,168,775</u>	
Net Total Delivered kWh as Billed ->	the contract of the	8,705	586,809	-223,696	2,196,168	U	65	2,255,774	59,815	0	o.	12,192,945	
Percent % of Total Power Purchased->	59.9470%	0.0714%	4.8127%	-1.8346%	18 0118%	0 0000%	0.0005%	18 5006%	0 4906%	0 0000%	0.0000%	100 0000%	
POWER COSTS OF ENERGY, DEMAND,		, FEES, CREDITS	& ADJUSTMENT	<u>\$:</u>									
Billings Charges - Demand and Energy					444444								
Demand Chgs * DB +	\$189,566 00	\$23,069 04	\$5,645 09	\$50,307.36	\$25,787 25	\$0.00	\$311.51	\$12,132.53	\$1,358 21	\$0.00	\$0.00	\$308,176.99	
Demand Chgs * DB + Debt Srv , Capital (A	The common and the second second for	\$0.00	\$0.00	\$0.00	\$42,687.40	\$0.00	\$0.00	\$64,509.82	\$3,531 00	\$0.00	\$0.00	\$110,728.22	
Demand Chgs * CR - AMP CT, Trans	-\$10,578 63	-\$4,724 07	\$0.00	\$0.00	\$0.00	\$0.00	-\$353 05	-\$1,981.73	-\$172.36	\$19,479.09	\$0.00	\$1,669.25	
Demand Chgs * CR - AMP CT, Capacity	-\$37,418 68	-\$23,489 70	-\$2,331.29	\$0.00	-\$660.45	\$0.00	-\$576.39	-\$7,009.76	-\$34.05	\$0.00	\$0.00	-\$71,520.32	
nergy Chgs * DB + On Peak	\$351,082.19	\$0.00	\$6,264 22	\$84 83	\$69,153 13	\$12,502.37	\$1.96	\$48,670.97	\$0.00	\$3,608 47	\$0.00	\$491,368.14	
nergy Chgs * DB + Off Pk,Eff Sm ,RPM C	\$38,168.43	\$0.00	\$0.00	\$66,693.76	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$90,594.13	\$0.00	\$195,456.32	
nergy Chgs * CR - NP Res ,J.Aron,RPM	C \$0.00	\$0.00	\$0.00	-\$57,194.00	\$0.00	-\$12,502.37	\$0.00	\$0.00	\$0.00	-\$11,513 66	\$0.00	-\$81,210.03	
Billings - Adjustments, Service Fees & i	Billing and Rate Ad	justments:				_						i	
dj -Net Congstn , Loss & FTRs/Capcty. +	\$0.00	\$0.00	\$683.91	\$0.00	\$3,329 54	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$4,013.45	
dj -Net Congstn., Loss & FTRs/Capcty	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00.	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
ervice Fees AMP-Dispatch Center	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	lagran war a samanana a jaga	\$0.00	\$0.00	\$0.00	\$0.00	\$0,00	·
ervice Fees AMP-Part A,(Net of Adj.)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		\$0.00	\$0.00	\$0.00	\$1,597.12	\$1,597.12	
ervice Fees AMP-Part B.(Net of Adj.)	\$0.00		\$0.00	\$0.00		\$0.00		\$0.00	\$0.00	\$0.00	\$4,654 18	\$4,654.18	~~
Service Fees-Charges & Adjustments	\$0.00	A	-\$1,117 28			\$0.00	·	\$0.00	\$0.00	\$0.00	\$0.00	-\$2,015.50	
Other Billing Adjustments "+" or "-"	\$0.00		\$0,00	\$0.00		\$0.00	p	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	
City Rate Adj.in Cost of Power (1)							Ψ0.00	40.00		Φυ.υυ:	\$60,000.00	\$60,000.00	
		· · · · · · · · · · · · · · · · · · ·		process of the state of the sta				· · · · · · · · · · · · · · · · · · ·	***************************************			300,000.00	
TOTAL COSTS TO ALLOCATE	\$530,819.31	-\$5,144.73	\$9,144.65	\$59,891.95	\$139,398.65	\$0.00	-\$615.97	\$116,321.83	\$4,682.80	\$102,168.03	\$66,251.30	\$1,022,917.82	
Purchased Power Cost per kWH-	\$0.072622	-\$0,591009	\$0.015584	-\$0.267738	\$0.063474	\$0.000000	-\$9.476462	\$0.051566	\$0.070000	医电压 医水子 医硫化二甲磺	enfication Total - >	\$1,022,917.82	
Parchased Power Cost per KWA-	\$0.072022	-\$0.557005	\$0.013364	*\$0.207730	30.003474	\$0.00000		The second secon	\$0.078288	\$0.000000	\$0,000000	\$0.083894	
Control of the second of the s	100	1					(NWASG Pool Po			And A for a security and the second		\$0,040299	
NOTE: (1) A Permanent \$60,000 Monthl	ly Cost of Power re	presenting a Five (5%) Increase, as	Approved by Co	ouncil in Ord.# 003	-08, passed 01/				WH) - JV5 Electric	Service Rate - >	\$0.040299	
SATION SOLICITATION IS TON A STATE OF THE SAME OF THE							7				- ,		
RATIOS COMPUTATION (By Billed Dem	26 6698%			I	e e e e e e e e e e e e e e e e e e e		terr armers as a				A-AMP RATIO	B-CITY RATIO	
Demand Ratio							400 0-000	E0 - 50 - 5	400 0000				
Inergy Ratio	and a record of the	e 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	34.5980%	83 9969%	49 5112%	0 0000%	An one conjugace to the second	58 1584%	100.0000%	19.0657%	33 2893%	36.5751%	
e Process e en la processe e de	73.3302%	0.0000%	65.4020%	16,0031%	<u>50.4888%</u>	0.0000%	<u>-0.3182%</u>	41.8416%	0.0000%	80.9343%	<u>66.7107%</u>	63 4249%	
Verification Total-Ratio's = 100 0000%	and a record of the	e 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.		ķ	the second of the second of		An one conjugace to the second	and the second second		the many control of the second	and the second second		
Verification Total-Ratio's = 100.0000% COST ALLOCATION TO SERVICE FEES	73.3302% 100.0000%	<u>0.0000%</u> 100.0000%	65.4020% 100.0000%	16,0031% 100,0000%	50.4888% 100.0000%	0.0000%	<u>-0.3182%</u>	41.8416%	0.0000%	80.9343%	<u>66.7107%</u>	63 4249%	
Verification Total-Ratio's = 100.0000% COST ALLOCATION TO SERVICE FEES AdjNet Congestion, Losses & FTRs	73.3302% 100.0000% & BILLING AND R	0.0000% 100.0000% ATE ADJUSTMEN	65 4020% 100 0000% TS - By DEMAND	16.0031% 100.0000% and ENERGY RA	50.4888% 100.0000% ATIO'S:	<u>0.0000%</u> 0.0000%	-0.3182 <u>%</u> 100.0000%	41.8416% 100.0000%	<u>0.0000%</u> 100.0000%	80 9343% 100 0000%	66.7107% 100.0000%	63 4249% 100 0000% TOTALS	
Verification Total-Ratio's = 100.0000% COST ALL OCATION TO SERVICE FEES AdjNet Congestion, Losses & FTRs Demand Allocation based on Ratio	73.3302% 100.0000% 5.8. BILLING AND R	0.0000% 100.0000% ATE ADJUSTMEN \$0.00	65.4020% 100.0000% TS - By DEMAND \$236.62	16.0031% 100.0000% and ENERGY RA \$0.00	50.4888% 100.0000% ATIO'S: \$1.648.50	<u>0.0000%</u> 0.0000%	-0.3182% 100.0000% \$0.00	41 8416% 100 0000% \$0 00	0.0000% 100.0000% \$0.00	80 9343% 100 0000% \$0 00	66.7107% 100.0000% \$0.00	63 4249% 100 0000% TOTALS \$1,885.12	
Verification Total-Ratio's = 100 0000% COST ALLOCATION TO SERVICE FEES AdjNet Congestion, Losses & FTRS Demand Allocation based on Ratio nergy Allocation based on Ratio	73 3302% 100 0000% 5 & BILLING AND R \$0 00 \$0 00	0 0000% 100 0000% ATE ADJUSTMEN \$0 00 \$0 00	65.4020% 100.0000% FS - By DEMAND \$236.62 \$447.29	16.0031% 100.0000% and ENERGY RA \$0.00	50.4888% 100.0000% ATIO'S: \$1.648.50 \$1.681.04	0.0000% 0.0000% \$0.00 \$0.00	0.3182% 100.0000% \$0.00 \$0.00	41.8416% 100.0000% \$0.00 \$0.00	0 0000% 100 0000% \$0 00 \$0 00	80 9343% 100 0000% \$0 00 \$0 00	66 7107% 100 0000% \$0 00 \$0 00	63 4249% 100 0000% TOTALS \$1,885.12 \$2,128.33	
Verification Total-Ratio's = 100 0000% COST ALLOCATION TO SERVICE FEES AdjNet Congestion, Losses & FTRS Demand Allocation based on Ratio Verification Total	73 3302% 100 0000% 5 & BILLING AND R \$0 00 \$0 00 \$0 00	0 0000% 100 0000% ATE ADJUSTMEN \$0 00 \$0 00	65.4020% 100.0000% TS - By DEMAND \$236.62	16.0031% 100.0000% and ENERGY RA \$0.00	50.4888% 100.0000% ATIO'S: \$1.648.50 \$1.681.04	<u>0.0000%</u> 0.0000%	0.3182% 100.0000% \$0.00 \$0.00	41 8416% 100 0000% \$0 00	0.0000% 100.0000% \$0.00	80 9343% 100 0000% \$0 00	66 7107% 100 0000% \$0 00 \$0 00 \$0 00	63 4249% 100 0000% TOTALS \$1,885.12	
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BILLING DETERMINANTS - JUNE, 2012

JUNE, 2012

PREVIOUS MONTH'S POWER BILLS - PURCHASED POWER AND POWER SUPPLY COST ALLOCATIONS:

Power Supply Cost Allocation Worksheet

	Billing	Billing	Service Fees	Service Fees	Service Fees	Service Fees	City Rate	City Rate	TOTA	LS		eck (Rounded)	
	Charges	Charges	AMP Chrgs.	AMP Chrgs.	Cng./Chs.&Adj.	Cng./Chs.&Adj.	Adjustment	Adjustment	Total	Total	\$1,017,735	\$1,017,735	
Power Source	Demand	Energy	Demand	Energy	Demand	Energy	Demand	Energy	Demand	Energy	\$1,017,735	\$1,017,735	
											Venfication Totals	Verification Totals	
ORSUCH & EFF.SMART SCHEDULED	\$141,568	\$389,251	\$0	\$0	1	\$0	\$0	\$0	\$141,568	\$389,251	\$530,819	\$530,819	
AMP CTCAP.& TRANS SCHEDULED	-\$5,145	\$0	\$0	\$0			\$0	\$0	-\$5,145	\$0	-\$5,145	-\$5,145	
NYPA SCHEDULED	\$3,314	\$6,264	\$0	\$0		-\$283	\$0	\$0	\$3,164	\$5,981	\$9,145	\$9,145	
NWASG NORTHERN POWER POOL	\$50,307	\$9,585	\$0	\$0		\$0	\$0	\$0	\$50,307	\$9,585	\$59,892	\$59,892	
FREEMONT ENERGY SCHEDULED	\$67,814	\$69,153	\$0	\$0		\$1,228	\$0	\$0	\$69,018	\$70,381	\$139,399	\$139,399	,,
J-ARON PP and SALE	\$0	\$0	\$0	. \$0	\$0	S0	S0	\$0	\$0	\$0	\$0	\$0	
JV-2 PEAKING SCHEDULED	-\$618	\$2	\$0	\$0	\$0	\$0	50	\$0	-\$618	\$2	-\$616	-\$616	
JV-5 HYDRO	\$67,651	\$48,671	\$0	\$0	\$0	\$0	\$0	\$0	\$67,651	\$48,671	\$116,322	\$116,322	
JV-6 WIND SCHEDULED	\$4,683	20	\$0	\$0	S0	\$0	\$0	\$0	\$4,683	\$0	\$4,683	\$4,683	, ,
RANSMISSION CHARGES - All Charges	\$19,479	\$82,689	\$0	\$0		\$0	\$0	\$0	\$19,479	\$82,689	\$102,168	\$102,168	
- AMP Service Fees- Dispatch, A & B	\$0	\$0	\$2,081	\$4,170	\$0	\$0	\$0	\$0	\$2,081	\$4,170	\$6,251	\$6,251	
- City Rate Adjstmt + to Cost of Power	\$0	\$0	\$0	\$0		\$0	\$21,945	\$38,055	\$21,945	\$38,055	\$60,000	\$60,000	
- Outdoor Light Credit Reconciliation	\$0	\$0	\$0	\$0	\$0	\$0	-\$1,896	-S3,287	-\$1,896	-\$3,287	-\$5,183	-\$5,183	
OTALS - ALL	\$349,053	\$605,615	\$2,081	\$4,170	\$1,054	\$945	\$20,049	\$34,768	\$372,237	\$645,498	\$1.017.735	\$1,017,735	
atios to Allocate AMP Service Fees					A				33.2893%				
i - City Rate Adjustment - Ratio Alloca	tion (To Total C	ost of Power)			į				TENTRE EN	66.7107%	100.0000% Verification Totals	100.0000%	
otals - All Billing Costs both Demand an		ost of Power)				· · · · · · · · · · · · · · · · · · ·			\$352,188	\$610,730	Verification Totals \$962,918	Verification Totals \$962,918	
otals - All Billing Costs both Demand an		ost of Power)									Verification Totals	Verification Totals \$962,918	
otals - All Billing Costs both Demand an latios to Allocate City Rate Adjustment	d Energy		Costs of Power	er, Including Ci	ty Rate Adjustn				\$352,188	\$610,730	Verification Totals \$962,918	Verification Totals \$962,918	
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otals - All Billing Costs both Demand an Ratios to Allocate City Rate Adjustment - Outdoor Street Lights and Miscella otals - All Billing Costs both Demand an Ratios to Allocate City Rate Adjustment Other Cost and Reconciliation Items for	d Energy neou - Ratio Allo d Energy or Power Supply	ocation (To ALL		er, Including Ci	ty Rate Adjustn	nent)			\$352,188 36.5751% \$374,133	\$610,730 63.4249% \$648,785	Verification Totals \$962,918 100,0000% Verification Totals \$1,022,918	Verification Totals \$962,918 100.0000% Verification Totals \$1,022,918	
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3 - City Rate Adjustment - Ratio Alloca otals - All Billing Costs both Demand an Ratios to Allocate City Rate Adjustment. C - Outdoor Street Lights and Miscella otals - All Billing Costs both Demand an Ratios to Allocate City Rate Adjustment. Other Cost and Reconciliation Items for C - Outdoor Street Light Reconciliation Dutdoor Street Light Cost by Average Cotal Purchased Power Cost (Cost Per Total Outdoor Street Light kWh by Light Net Allocated - Security Street Light Correction Net Allocated - Security Street Light Corrections Net Allocated	neou - Ratio Alle d Energy or Power Supply n Credit Comput sst of Power, kWh, on Page 3) Type (on Page 2) redit	ocation (To ALL r Cost Allocatio tation		\$0.083894 61,779 -\$5,182.89 \$0.00		nent)			\$352,188 36.5751% \$374,133 36.5751%	\$610,730 63.4249% \$648,785 63.4249% -\$3,287 \$0	Verification Totals \$962,918 100,0000% Verification Totals \$1,022,918 100,0000% Verification Totals \$5,102,918	Verification Totals \$962,918 100.0000% Verification Totals \$1,022,918 100.0000% Verification Totals -\$5,183	



AMERICAN MUNICIPAL POWER, INC.

1111 Schrock Rd, Suite 100 COLUMBUS, OHIO 43229 PHONE: (614) 540-1111 FAX: (614) 540-1078 INVOICE NUMBER: 173023

INVOICE DATE: 5/11/2012

DUE DATE: 5/28/2012

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.

TOTAL AMOUNT DUE:

Northern Power Pool Billing - April, 2012

MUNICIPAL PEAK: TOTAL METERED ENERGY: 21,349 kW 12,247,852 kWh



Total Power Charges:

\$711,482.09

Total Transmission Charges:

\$102,168.02

\$819,901.41

Total Other Charges:

\$6,251.30

Total Miscellaneous Charges:

\$0.00

GRAND TOTAL POWER INVOICE:

\$819,901.41

**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.

NOTE: PLEASE SEE ENCLOSED BACKUP FOR MORE DETAILED INFORMATION

*** To avoid a delayed payment charge, payment must be made to provide available funds for use by AMP on or before the due date.

Wire Transfer Information : Huntington National Bank Mailing Address : AMP, Inc.

Columbus, Ohio

Dept. L614

Account 0189-2204055

Columbus, Oh 43260

4BA: #044 000024

BANK LOCK BOX DEPOSIT		AMOUNT
General Fund (010)	10	\$31,639.27
ECC (012)	12	0
RHGS (020)	20	540648.1905
AMPCT (025)	25	23069.04296
ESPP (016)	16	\$38,168.43
IV5 (065)	65	\$0.00
\FEC (004)	4	\$136,069.12
\MPGS (009)	9	\$0.00
PSEC (013)	13	\$50,307.36
Spare (000)	0	\$0.00
OTAL DEPOSIT		\$819,901.41

DETAIL INFORMATION OF POWER CHARGES April , 2012 Napoleon

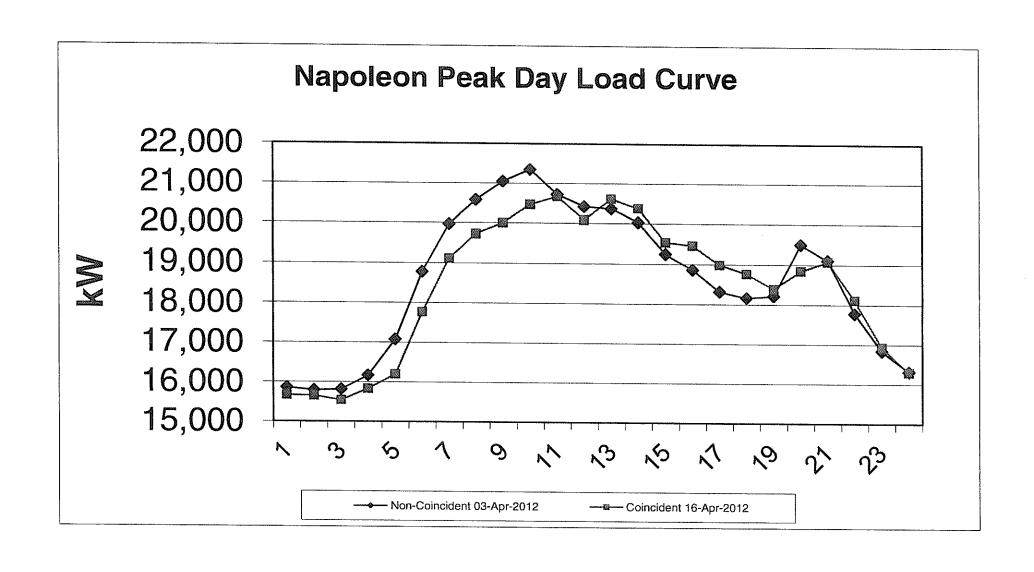
FOR THE MONTH OF:	Apríl, 2012		Total Metered Load kWh: Transmission Losses kWh: Distribution Losses kWh:	12,247,852 -54,907 0	
			Total Energy Req. kWh:	12,192,945	
TIME OF FENTS PEAK: TIME OF MUNICIPAL PEAK: TRANSMISSION PEAK:	04/16/2012 @ H.E. 13:00 04/03/2012 @ H.E. 10:00 7/21/2011 HE 15:00 EST		COINCIDENT PEAK kW: MUNICIPAL PEAK kW: TRANSMISSION PEAK kW: PJM Capacity Requirement kW:	20,61 21,34 30,35 30,69	
Napoleon Resources					
AMP CT - Sched @ ATSI					
Demand Charge:	\$1.860407	/ kW *	12,400 kW =	\$23,069.04	
Energy Charge:	\$0.000000 \$0,380973	/ kWh * / kW *	8,705 kWh = -12,400 kW =	\$0.00 -\$4,724,07	
Transmission Credit: Capacity Credit:	\$0.360973 \$2.270000	/ kW *	-12,460 kW =	-\$23,489.70	
Subtotal	-\$0.591040	/ kWh *	8,705 kWh =	-\$5,144.73	
Fremont - sched @ Fremont					
Demand Charge:	\$2.941400	/ kW *	8,767 kW =	\$25,787.25	
Energy Charge:	\$0.031488	/ kWh *	2,196,168 kWh =	\$69,153.13	
Net Congestion, Losses, FTR:	\$0.001516 \$0.075333	/ kWh * / kW *	-8,767 kW ≃	\$3,329.54 -\$660.45	
Capacity Credit: Debt Service	\$0.075333 \$1,222200	/ kW	8,767 kW	\$10,715.03	
Capital Improvements	\$0,246900	/ kW	8,767 kW	\$2,164.57	
Working Capital	\$3.400000	/ kW	8,767 kW	\$29,807.80	
Adjustment for prior month:				-\$898.22	
Subtotal	\$0.063474	/ kWh *	2,196,168 kWh =	\$139,398.65	
Prairie State - Sched @ Prairie State	****	41344	2.488 kW	SE0 207 26	
Demand Charges Subtotal	\$20.220000 #N/A	/ kWh *	2,488 kW 0 kWh =	\$50,307.36 \$50,307.36	
JV2 - Sched @ ATSI	FSVA	/ 14711	V RIVII -	***************************************	
Demand Charge:			264 kW		
Energy Charge:	\$0.030022	/kWh *	65 kWh ≂	\$1.96	
Transmission Credit:	\$1.337324	/kW·	-264 kW =	-\$353.05	
Capacity Credit:	\$2.270000	/ kW *	-254 kW =	-\$576.39	
Subtotal	-\$14.195428	/ kWh *	65 kWh =	-\$927.48	
Gorsuch Losses - Sched @ ATSI			104,959 kWh		
Energy Charge: Subtotal	#N/A	/ kWh *	104,959 kWh =	\$0.00	
JV6 - Sched @ ATSI					
Demand Charge:			300 kW		
Energy Charge:			59,815 kWh		
Transmission Credit:	\$0.574525	/ kW *	-300 kW =	-\$172.36	
Capacity Credit:	\$2.270000	/ kW * / kWh *	-15 kW = 59,815 kWh =	-\$34.05 - \$206.41	
Subtotal Subtotal	-\$0.003451	/ KWI "	35,813 KWII =	- - - - -	
J Aron (PP) - 7x24 @ AD(nc) Demand Charge:			400 kW		
Energy Charge:			288,000 kWh		
Subtotal	#N/A	/ kWh *	288,000 kWh =	\$0.00	
J Aron (Sale) - 7x24 @ AD(nc)				_	
Demand Charge:			-400 kW		
Energy Charge:	\$0.043411	/ kWh *	-288,000 kWh =	-\$12,502.37 -\$12,502.37	
Subtotal	\$0.043411	/ kWh *	-288,000 kWh =	-\$12,502.51	
NYPA - Sched @ NYIS Demand Charge:	\$5,496681	/ kW *	1,027 kW =	\$5,645.09	
Energy Charge:	\$0,010675	/ kWh *	586,809 kWh =	\$6,264.22	
Net Congestion, Losses, FTR:	\$0.001165	/ kWh *		\$683.91	
Capacity Credit:	\$2.270000	/ kW *	-1,027 kW =	-\$2,331.29	
Adjustment for prior month:				-\$1,117.28	
Subtotal	\$0.015584	/ kWh *	586,809 kWh =	\$9,144.64	
JV5 - 7X24 @ ATSI			3,088 kW		
Demand Charge:			2,223,360 kWh		
Energy Charge: Transmission Credit:	\$0.641752	/ kW *	-3,088 kW =	-\$1,981.73	
Capacity Credit:	\$2,270000	/ kW *	-3,088 kW =	-\$7,009.76	
Subtotal	-\$0.004044	/ kWh *	2,223,360 kWh =	-\$8,991.49	
JV5 Losses - Sched @ ATSI					
Energy Charge;		(1344) ^	32,414 kWh	****	
Subtotal	#N/A	/ kWh *	32,414 kWh =	\$0.00	
Gorsuch - Sched @ ATSI Demand Charge:	\$11.500000	/ kW *	16,484 kW =	\$189,566.00	
Demand Charge.	ψ.γ.1. 000000		- 		

DETAIL INFORMATION OF POWER CHARGES April , 2012 Napoleon

GRAND TOTAL POWER INVOICE:				\$819,901.41
TOTAL OTHER CHARGES:				\$0,£01.00
TOTAL OTHER CHARGES:				\$6,251.30
Energy Purchases	\$0.000380	/kWh *	12,247,852 kWh =	\$4,654,18
Service Fee Part B.				
Based on Annual Municipal Sales	\$0.000125	/ kWh *	153,323,113 kWh 1/12 =	\$1,597.12
Service Fee Part A.				
TOTAL TRANSMISSION CHARGES:	\$0.036947	/ kWh *	2,765,239 kWh =	\$102,168.02
RPM (Capacity) Credits (not listed above):	\$2.270000	/ kW *	-5,072 kW =	-\$11,513.66
RPM (Capacity) Charges:	\$2.951000	/ kW *	30,699 kW =	\$90,594.1
Energy Charge:	\$0.001305	/ kWh *	2,765,239 kWh =	\$3,608.47
Demand Charge:	\$0.641752	/ kW *	30,353 kW =	\$19,479.09
TRANSMISSION CHARGES:				
Total Power Charges:			12,192,945 kWh	\$711,482.0
Total Energy Charges:				\$463,750.1
Total Demand Charges:				\$247,731.9
Subtotal	-\$0.042847	/ kWh *	-223,696 kWh =	\$9,584.6
Sale of Excess Non-Pool Resources to Pool	\$0.030410	/ kWh *	-1,880,775 kWh =	-\$57,194.0
Off Peak Energy Charge:	\$0.040290	/ kWh *	1,655,354 kWħ ≕	\$66,693.7
Northern Power Pool: On Peak Energy Charge: (M-F HE 08-23 EDT)	\$0.049184	/kWh *	1,725 kWh =	\$84.8
Subtotal		1 - 1 - 1 - 1 - 1 - 1 - 1		\$38,168.4
ESPP charges @ \$3.095 /MWh x 147,987.5 MWh / 12				\$38,168.4
EFFICIENCY SMART POWER PLANT		Mar		
Subtotal	\$0,068382	/ kWh *	7,204,346 kWh =	\$492,650.8
Capacity Credit:	\$2,270000	/kW *	-16,484 kW =	-\$37,418.6
Transmission Credit:	\$0.641752	/ kW *	-16,484 kW =	-\$10,578.6
Energy Charge:	\$0.048732	/ kWh *	7,204,346 kWh =	\$351,082.1

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March Marc								Saturday	Sunday	Monday	Tuesday	Wedлesday	Thursday	Friday	Saturday	Sunday	
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Fig. 19,637 19,121 17,766 16,738 10,981 14,162 12,007 10,788 12,207 17,202 17,203 17,203 17,203 17,005 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,008 10,	400	13.129															
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Second S					19,809	19,842	15,963	13,808	11,686	19,631	19.960	20.820					
The color of the			20,026	21,048	19,970	20,219	16,380	14,549	12.192								
1500 15,036 20,239 20,732 19,895 20,509 19,316 14,138 12,370 20,615 21,151 20,694 20,702 20,112 17,060 11,038 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,001 10,	1000	15,028	20,457	21,349	19,953	20,481	16,430										
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16,202 16,304 17,007 16,401 12,906 17,768 18,131 18,514 18,094 17,232 13,564 12,373 18,754 18,839 18,658 16,122 18,2529 13,459 12,661 17,973 19,174 19,175 19,106 19,114 19,303 19,765 19,352 18,381 14,418 12,867 20,244 19,613 19,613 19,407 19,362 13,932 13,193 19,106 19,728 19,906 20,194 19,302 19,451 15,468 13,532 20,887 20,188 19,991 20,990 19,755 14,801 13,700 19,658 1000 20,044 20,121 20,398 20,116 20,071 16,157 13,890 20,899 20,883 20,240 20,481 20,993 15,482 13,977 20,131 1000 20,463 20,381 20,795 20,448 20,680 16,462 14,133 21,188 20,713 20,281 20,773 20,471 16,201 14,036 20,740 1100 20,667 20,288 20,415 20,344 20,633 16,465 14,184 21,249 20,597 20,353 20,547 20,555 16,512 14,031 20,626 20,080 20,230 20,230 20,541 20,272 20,522 16,049 14,400 21,297 20,734 20,354 20,514 19,898 16,054 14,118 20,558 15,000 19,542 19,865 20,538 20,874 20,322 15,268 14,476 20,701 20,425 19,887 19,807 19,076 15,562 13,674 20,506 19,542 19,465 19,949 20,271 19,533 14,771 14,498 19,996 19,663 19,313 19,468 18,324 15,026 13,669 19,944 10,000 19,463 19,005 19,477 20,258 19,120 14,691 14,793 19,151 19,573 19,151 19,223 17,399 14,782 14,212 19,533 18,600 18,766 18,605 19,450 19,450 14,469 14,469 19,675 18,801 19,675 18,801 19,675 18,400 19,475 18,400 19,475 18,400 19,475 19,635 18,400 19,075 19,613 19,607 19,615 18,400 19,075 19,613 19,607 19,615 18,701 19,202 18,801 14,400 19,075 19,613 19,075 18,400 19,075 18,400 19,075 18,400 19,075 18,400 14,400 12,900 19,075 18,400 14,400 12,900 19,075 18,400 14,400 12,900 19,075 18,400 14,400 12,900 14,400 12,900 14,400 12,900 14,400 12,900 14,400	100 200 300	15,656 15,542	15,641 15,550	16,178 16,015 16,021	15,766 15,708 15,508	16,132 15,977 15,574	12,944 12,662 12,358	11,994 11,649 11,691	15,935 16,244 16,090	16,142 16,138 15,973	16,357 16,271 16,000	16,105 15,972 15,731	16,031 15,856 15,870	12,733 12,480 12,253	12,588 12,372 12,148	15,135 15,150	5/1/3
000 17,768 18,731 19,514 19,303 19,765 19,352 18,381 14,418 12,867 20,244 19,613 19,613 19,615 19,362 13,382 13,183 19,106 800 19,728 19,906 20,194 19,902 19,451 15,486 13,532 20,687 20,188 19,991 20,090 19,755 14,801 13,700 19,658 1000 20,004 20,121 20,398 20,116 20,071 16,157 13,890 20,899 20,363 20,240 20,481 20,093 15,482 13,977 20,131 1000 20,463 20,381 20,775 20,448 20,680 16,482 14,133 21,188 20,713 20,281 20,773 20,471 16,201 14,036 20,400 120,008 20,230 20,541 20,272 20,522 16,049 14,400 21,297 20,734 20,353 20,587 20,055 16,512 14,031 20,626 13,000 20,681 20,301 20,699 20,664 20,602 15,665 14,418 20,977 20,734 20,354 20,514 19,698 16,054 14,118 20,588 1300 20,613 20,169 20,769 20,664 20,602 15,665 14,418 20,977 20,734 20,354 20,514 19,698 16,054 14,118 20,588 1400 20,370 19,865 20,538 20,374 20,322 15,268 14,476 20,701 20,425 19,667 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 19,867 14,212 19,539 14,782 14,212 19,539 18,000 18,766 18,605 19,567 18,605 19,567 18,809 19,567 18,809 19,567 18,809 19,467 20,258 19,150 18,591 18,605 19,605 19,567 18,809 19,567 19,667 19,667 19,667 19,675 19,667 18,800 18,766 18,800 19,567 18,800 19,567 18,800 18,766 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 19,667 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 18,800 19,567 1	100 200 300 400	15,656 15,542 15,834	15,641 15,550 15,856	16,178 16,015 16,021 16,416	15,766 15,708 15,508 15,797	16,132 15,977 15,574 15,618	12,944 12,662 12,358 12,535	11,994 11,649 11,691 11,714	15,935 16,244 16,090 16,552	16,142 16,138 15,973 16,258	16,357 16,271 16,000 16,450	16,105 15,972 15,731 16,141	16,031 15,856 15,870 16,379	12,733 12,480 12,253	12,588 12,372 12,148	15,135 15,150 15,086	5/1/3
700 19,114 19,303 19,765 19,352 18,381 14,418 12,867 20,244 19,613 19,613 19,407 19,362 13,932 13,193 19,106 800 19,728 19,906 20,194 19,302 19,451 15,486 13,532 20,687 20,188 19,991 20,090 19,755 14,801 13,700 19,658 900 20,004 20,121 20,398 20,116 20,071 16,157 13,880 20,899 20,363 20,240 20,461 20,093 15,482 13,977 20,658 13,977 10,001 10,002 20,667 20,288 20,415 20,344 20,633 16,405 14,184 21,249 20,587 20,353 20,587 20,055 16,512 14,031 20,666 120 20,0080 20,203 20,541 20,272 20,552 16,049 14,400 21,297 20,734 20,354 20,514 19,693 16,054 14,118 20,578 14,001 20,0670 19,865 20,538 20,640 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,455 20,45	100 200 300 400 500	15,656 15,542 15,834 16,202	15,641 15,550 15,856 16,544	16,178 16,015 16,021 16,416 17,037	15,766 15,708 15,508 15,797 16,490	16,132 15,977 15,574 15,618 16,161	12,944 12,662 12,358 12,535 12,936	11,994 11,649 11,691 11,714 11,984	15,935 16,244 16,090 16,552 17,586	16,142 16,138 15,973 16,258 17,214	16,357 16,271 16,000 16,450	16,105 15,972 15,731 16,141	16,031 15,856 15,870 16,379	12,733 12,480 12,253 12,386	12,588 12,372 12,148 12,332	15,135 15,150 15,086 15,880	5/1/3
800 19,728 19,906 20,194 19,902 19,451 15,486 13,532 20,687 20,188 19,991 20,090 19,755 14,801 13,700 19,658 900 20,004 20,121 20,398 20,116 20,071 16,157 13,890 20,899 20,363 20,240 20,481 20,093 15,482 13,977 20,131 100 20,483 20,381 20,795 20,448 20,680 16,482 14,133 21,188 20,713 20,281 20,773 20,471 16,201 14,036 20,740 1100 20,667 20,288 20,415 20,344 20,633 16,405 14,184 21,249 20,587 20,353 20,587 20,055 16,512 14,031 20,626 1200 20,080 20,230 20,641 20,272 20,522 16,049 14,400 21,297 20,734 20,354 20,514 19,698 16,054 14,118 20,558 14,000 20,613 20,169 20,769 20,664 20,602 15,665 14,418 20,977 20,665 20,311 20,386 19,606 15,876 13,933 20,583 14,000 20,613 20,169 20,769 20,664 20,602 15,665 14,418 20,977 20,665 20,311 20,386 19,606 15,876 13,933 20,583 14,000 20,370 19,885 20,538 20,874 20,322 15,268 14,476 20,701 20,425 19,867 19,897 19,076 15,582 13,674 20,559 15,000 19,462 19,465 19,949 20,271 19,533 14,771 14,498 19,896 19,663 19,313 19,488 18,324 15,026 13,869 19,954 16,000 19,463 19,005 19,477 20,258 19,120 14,691 14,793 19,515 19,573 19,571 19,223 17,939 14,782 14,212 19,539 1700 18,994 18,798 18,906 19,542 18,611 14,592 14,824 19,075 19,114 19,375 18,837 17,635 14,803 14,347 19,528 18,000 18,766 18,605 18,650 19,150 18,510 14,220 15,025 18,791 18,702 19,359 18,542 17,200 14,550 14,489 19,522 19,000 18,840 19,309 19,400 19,575 18,490 11,4751 16,471 19,266 19,121 19,887 17,091 17,965 15,414 19,384 14,523 15,900 17,893 20,000 18,840 19,309 19,400 19,575 18,490 16,475 18,471 19,266 19,121 19,887 17,091 17,965 15,414 15,994 19,289 20,000 18,840 19,309 19,400 19,575 18,490 16,475 18,470 19,266 19,121 19,887 17,091 17,965 15,415 15,994 19,289 20,000 18,304 18,304 19,309 19,400 19,575 18,490 16,475 16,400 18,400 18,400 19,605 17,300 16,887 17,166 14,492 13,326 16,300 17,609 18,400 19,075 14,400 13,663 15,706 16,685 10,600 19,075 19,613 19,601 19,635 18,266 18,000 18,400 19,075 18,400 19,657 18,400 18,400 18,400 18,400 18,400 18,400 18,400 18,400 18,400 18,400 18,400 18,400 18,400 18,400 18,400 18,400 18	100 200 300 400 500 600	15,656 15,542 15,834 16,202 17,768	15,641 15,550 15,856 16,544 18,131	16,178 16,015 16,021 16,416 17,037 18,514	15,766 15,708 15,508 15,797 16,490 18,094	16,132 15,977 15,574 15,618 16,161 17,232	12,944 12,662 12,358 12,535 12,936 13,564	11,994 11,649 11,691 11,714 11,984	15,935 16,244 16,090 16,552 17,586	16,142 16,138 15,973 16,258 17,214	16,357 16,271 16,000 16,450 17,330	16,105 15,972 15,731 16,141 16,608	16,031 15,856 15,870 16,379 17,040	12,733 12,480 12,253 12,386 12,930	12,588 12,372 12,148 12,332 12,523	15,135 15,150 15,086 15,880 16,550	5/1/3
900 20,004 20,121 20,398 20,116 20,071 16,157 13,890 20,899 20,363 20,240 20,481 20,093 15,482 13,977 20,131 1000 20,667 20,288 20,415 20,344 20,633 16,405 14,184 21,249 20,587 20,585 20,055 16,512 14,031 20,626 1200 20,080 20,230 20,541 20,272 20,522 16,049 14,400 21,297 20,734 20,354 20,514 19,698 16,054 14,118 20,558 1300 20,613 20,169 20,769 20,664 20,602 15,665 14,418 20,977 20,656 20,311 20,386 19,606 15,676 13,933 20,583 1400 20,370 19,885 20,538 20,587 20,055 16,512 14,031 20,626 14,000 20,370 19,885 20,538 20,587 20,055 16,512 14,031 20,626 14,000 20,370 19,885 20,538 20,587 20,055 16,512 14,031 20,626 14,000 20,370 19,885 20,538 20,587 20,055 16,512 14,031 20,626 14,000 20,370 19,885 20,538 20,587 20,538 20,588 14,000 20,370 19,885 20,538 20,574 20,322 15,268 14,476 20,701 20,425 19,867 19,897 19,076 15,582 13,674 20,506 15,600 19,543 19,085 19,477 20,258 19,120 14,691 14,793 19,515 19,573 19,571 19,223 17,939 14,782 14,212 19,539 17,000 18,994 18,798 18,906 19,542 18,611 14,592 14,824 19,075 18,137 17,635 14,803 14,782 14,212 19,539 18,396 18,506 18,656 18,650 19,150 18,510 14,220 15,025 18,791 18,702 19,359 18,541 17,200 14,550 14,489 19,522 19,000 18,396 18,542 18,513 18,863 18,027 13,964 15,295 18,791 18,702 19,359 18,542 17,200 14,550 14,489 19,522 19,000 18,396 18,540 19,309 19,490 19,575 18,490 14,751 16,471 19,256 19,114 19,375 18,837 17,635 14,656 15,474 19,384 12,000 18,396 18,540 19,001 19,005 19,613 19,601 19,605 18,400 19,005 19,613 19,601 19,605 18,400 19,005 19,613 19,601 19,605 18,400 19,005 19,613 19,601 19,605 18,400 19,605 18,400 19,005 19,613 19,601 19,605 18,400 19,605 18,400 19,005 19,613 19,601 19,605 18,400 19,005 19,613 19,601 19,605 18,400 19,605 18,400 19,005 19,613 19,601 19,605 18,400 19,605 18,400 19,005 19,613 19,601 19,605 18,400 19,605 18,400 19,605 19,400 19,605 18,400 19,605 19,400 19,605 19,400 19,605 19,400 19,605 19,400 19,605 19,400 19,605 19,400 19,605 19,400 19,605 19,400 19,605 19,400 19,605 19,400 19,605 19,400 19,605 19,400 19,605 19,400 19,605 19,400 19,605	100 200 300 400 500 600 700	15,656 15,542 15,834 16,202 17,768 19,114	15,641 15,550 15,856 16,544 18,131 19,303	16,178 16,015 16,021 16,416 17,037 18,514 19,765	15,766 15,708 15,508 15,797 16,490 18,094 19,352	16,132 15,977 15,574 15,618 16,161 17,232	12,944 12,662 12,358 12,535 12,936 13,564	11,994 11,649 11,691 11,714 11,984 12,373	15,935 16,244 16,090 16,552 17,586 18,754	16,142 16,138 15,973 16,258 17,214 18,839	16,357 16,271 16,000 16,450 17,330 18,558	16,105 15,972 15,731 16,141 16,608 18,122	16,031 15,856 15,870 16,379 17,040 18,529	12,733 12,480 12,253 12,386 12,930 13,459	12,588 12,372 12,148 12,332 12,523 12,661	15,135 15,150 15,086 15,880 16,550 17,973	5/1/
1000 20,463 20,381 20,795 20,448 20,680 15,482 14,133 21,188 20,713 20,281 20,471 20,093 15,482 13,977 20,131 1100 20,667 20,288 20,415 20,344 20,633 16,405 14,184 21,249 20,587 20,353 20,587 20,055 16,512 14,031 20,626 1200 20,080 20,230 20,541 20,272 20,522 16,049 14,400 21,297 20,734 20,354 20,514 19,698 16,054 14,118 20,558 1300 20,613 20,169 20,769 20,664 20,602 15,5665 14,418 20,977 20,666 20,311 20,386 19,606 15,876 13,933 20,583 1400 20,370 19,885 20,538 20,874 20,322 15,268 14,476 20,701 20,425 19,887 19,897 19,076 15,582 13,674 20,556 1500 19,463 19,085 19,477 20,258 19,120 14,691 14,793 19,515 19,573 19,571 19,223 17,939 14,782 14,212 19,539 18,004 18,798 18,906 19,542 18,611 14,592 14,824 19,075 19,114 19,375 18,897 17,635 14,803 14,347 19,528 1800 18,766 18,605 18,650 19,150 18,510 14,220 15,025 18,791 18,702 19,359 18,542 17,200 14,450 14,483 19,667 19,006 18,840 19,309 19,490 19,575 18,490 14,751 16,471 19,256 19,121 19,687 18,704 17,238 14,656 15,474 19,894 2000 18,840 19,309 19,490 19,575 18,490 14,751 16,471 19,256 19,121 19,687 18,704 17,238 14,656 15,474 19,384 2000 18,840 19,309 19,490 19,575 18,490 14,751 16,471 19,256 19,121 19,687 18,704 17,238 14,656 15,474 19,384 2000 18,155 18,367 17,330 16,887 17,166 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,700 17,893 2000 16,304 16,517 16,360 16,446 13,443 12,383 16,245 16,796 16,795 14,4492 424,097 444,392 425,054 345,539 335,389 445,314	100 200 300 400 500 600 700 800	15,656 15,542 15,834 16,202 17,768 19,114 19,728	15,641 15,550 15,856 16,544 18,131 19,303 19,906	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194	15,766 15,708 15,508 15,797 16,490 18,094 19,352	16,132 15,977 15,674 15,618 16,161 17,232 18,381	12,944 12,662 12,358 12,535 12,936 13,564 14,418	11,994 11,649 11,691 11,714 11,984 12,373 12,867	15,935 16,244 16,090 16,552 17,586 18,754 20,244	16,142 16,138 15,973 16,258 17,214 18,839	16,357 16,271 16,000 16,450 17,330 18,558 19,613	16,105 15,972 15,731 16,141 16,608 18,122 19,407	16,031 15,856 15,870 16,379 17,040 18,529 19,362	12,733 12,480 12,253 12,386 12,930 13,459	12,588 12,372 12,148 12,332 12,523 12,661 13,193	15,135 15,150 15,086 15,880 16,550 17,973 19,106	5/1/
1100 20,667 20,288 20,415 20,344 20,633 16,405 14,184 21,249 20,557 20,353 20,587 20,055 16,512 14,031 20,626 1200 20,080 20,230 20,541 20,272 20,562 16,049 14,400 21,297 20,734 20,354 20,514 19,698 16,054 14,118 20,558 1300 20,613 20,169 20,769 20,664 20,602 15,665 14,418 20,977 20,656 20,311 20,386 19,606 15,876 13,933 20,583 14,000 20,370 19,885 20,538 20,874 20,322 15,665 14,418 20,977 20,656 20,311 20,386 19,606 15,876 13,933 20,583 14,000 20,370 19,885 20,538 20,874 20,322 15,268 14,476 20,701 20,425 19,867 19,897 19,076 15,582 13,674 20,526 15,000 19,633 19,542 19,465 19,949 20,271 19,533 14,771 14,498 19,896 19,663 19,313 19,468 18,324 15,026 13,869 19,954 16,000 19,463 19,085 19,477 20,258 19,120 14,691 14,793 19,515 19,573 19,571 19,223 17,939 14,782 14,212 19,539 17,000 18,994 18,798 18,906 19,542 18,611 14,592 14,824 19,075 19,114 19,375 18,837 17,635 14,803 14,347 19,528 18,000 18,766 18,605 18,650 19,150 18,510 14,220 15,025 18,791 18,702 19,359 18,542 17,200 18,940 19,500 18,960 19,400 19,575 18,490 14,751 16,471 19,256 19,121 19,687 18,704 17,238 14,550 14,450 14,450 19,667 20,000 18,840 19,309 19,490 19,575 18,490 14,751 16,471 19,256 19,121 19,687 18,704 17,238 14,556 15,474 19,384 2100 19,075 19,613 19,601 19,635 18,275 18,490 14,751 16,471 19,259 18,510 19,091 17,965 15,314 15,994 19,259 2200 18,115 18,366 18,367 18,487 16,748 14,469 16,122 18,490 18,416 18,097 17,941 16,884 14,523 15,900 17,893 2300 16,935 17,330 16,887 17,166 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,708 16,821 2000 16,304 16,517 16,360 16,446 13,443 12,383 16,245 16,796 16,782 16,553 16,499 13,166 13,078 15,405 16,065 16,065	100 200 300 400 500 600 700 800	15,656 15,542 15,834 16,202 17,768 19,114 19,728	15,641 15,550 15,856 16,544 18,131 19,303 19,906	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902	16,132 15,977 15,574 15,618 16,161 17,232 18,381 19,451	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486	11,994 11,649 11,691 11,714 11,984 12,373 12,867 13,532	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687	16,142 16,138 15,973 16,258 17,214 18,839 19,613 20,188	16,357 16,271 16,000 16,450 17,330 18,558 19,613	16,105 15,972 15,731 16,141 16,608 18,122 19,407 20,090	16,031 15,856 15,870 16,379 17,040 18,529 19,362	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700	15,135 15,150 15,086 15,880 16,550 17,973 19,106	5/1/
1200 20,080 20,230 20,541 20,272 20,522 16,049 14,400 21,297 20,734 20,353 20,587 20,514 19,698 16,054 14,118 20,558 1300 20,613 20,169 20,769 20,664 20,602 15,665 14,418 20,977 20,656 20,311 20,386 19,606 15,676 13,933 20,583 1400 20,370 19,885 20,538 20,874 20,322 15,268 14,476 20,701 20,425 19,867 19,897 19,076 15,582 13,674 20,506 1500 19,542 19,465 19,949 20,271 19,533 14,771 14,498 19,896 19,463 19,085 19,477 20,258 19,120 14,691 14,793 19,515 19,573 19,571 19,223 17,399 14,782 14,212 19,539 18,000 18,766 18,650 19,150 19,542 18,611 14,592 14,824 19,075 19,114 19,375 18,837 17,635 14,803 14,347 19,528 19,000 18,396 18,542 18,513 18,863 19,027 13,964 15,295 18,574 18,472 19,202 18,288 16,762 14,465 14,469 19,507 18,840 19,309 19,490 19,575 18,480 14,751 16,471 19,256 19,121 19,687 18,704 17,238 14,656 15,474 19,384 12,000 18,396 18,366 18,367 18,487 16,748 14,469 16,122 18,490 18,115 18,366 18,367 18,487 17,166 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,708 16,821 2400 16,304 16,517 16,304 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,708 16,821 2400 16,304 14,47,76 16,446 13,443 12,383 16,245 16,796 16,795 14,4392 425,054 345,539 335,389 445,314	100 200 300 400 500 600 700 800 900	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116	16,132 15,977 15,574 15,618 16,161 17,232 18,381 19,451 20,071	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157	11,994 11,649 11,691 11,714 11,984 12,973 12,867 13,532 13,890	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,899	16,142 16,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363	16,357 16,271 16,000 16,450 17,330 18,558 19,613 19,991 20,240	16,105 15,972 15,731 16,141 16,608 18,122 19,407 20,090 20,481	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131	5/1/3
1300 20,613 20,169 20,769 20,664 20,602 15,665 14,418 20,977 20,656 20,311 20,386 19,606 15,876 13,933 20,583 1400 20,370 19,885 20,538 20,874 20,322 15,268 14,476 20,701 20,425 19,867 19,897 19,076 15,582 13,674 20,506 15,000 19,542 19,465 19,949 20,271 19,533 14,771 14,498 19,896 19,663 19,313 19,468 18,324 15,026 13,869 19,954 16,000 19,463 19,085 19,477 20,258 19,120 14,691 14,793 19,515 19,573 19,571 19,223 17,939 14,782 14,212 19,539 17,000 18,994 18,798 18,906 19,542 18,611 14,592 14,824 19,075 19,114 19,375 18,837 17,635 14,803 14,347 19,528 1800 18,766 18,605 18,650 19,150 18,510 14,220 15,025 18,791 18,702 19,359 18,542 17,200 14,550 14,489 19,522 19,000 18,396 18,542 18,513 18,863 18,027 13,964 15,295 18,574 18,472 19,202 18,288 16,762 14,463 14,705 19,667 2000 18,840 19,309 19,490 19,575 18,490 14,751 16,471 19,256 19,121 19,687 18,704 17,238 14,556 15,474 19,384 2100 19,075 19,613 19,601 19,635 18,276 15,070 16,878 19,655 19,414 19,315 19,091 17,965 14,120 13,663 15,708 16,821 2400 16,305 17,330 16,887 17,166 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,708 16,821 2400 16,304 16,517 16,360 16,446 13,443 12,383 16,245 16,796 16,782 16,553 16,499 13,166 13,078 15,005 16,065 16,065	100 200 300 400 500 600 700 800 900	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,381	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448	16,132 15,977 15,574 15,618 16,161 17,232 18,381 19,451 20,071 20,680	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,482	11,994 11,649 11,691 11,714 11,984 12,973 12,867 13,632 13,890 14,133	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,899 21,188	16,142 16,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713	16,357 16,271 16,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281	16,105 15,972 15,731 16,141 16,608 18,122 19,407 20,090 20,481 20,773	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093 20,471	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,707 14,036	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740	5/1/3
1400 20,370 19,885 20,538 20,874 20,322 15,268 14,476 20,701 20,425 19,867 19,897 19,076 15,582 13,674 20,506 1500 19,542 19,465 19,949 20,271 19,533 14,771 14,498 19,896 19,663 19,313 19,468 18,324 15,026 13,869 19,954 1600 19,463 19,085 19,477 20,258 19,120 14,691 14,793 19,515 19,573 19,571 19,223 17,939 14,782 14,212 19,539 1700 18,994 18,798 18,906 19,542 18,611 14,592 14,824 19,075 19,114 19,375 18,837 17,635 14,803 14,347 19,528 1800 18,396 18,542 18,513 18,863 18,027 13,964 15,295 18,791 18,702 19,359 18,542 17,200 14,563 14,463 14,705 19,667 2000 18,840 19,309 19,490 19,575 18,490 14,751 16,471 19,256 19,121 19,687 18,704 17,238 14,656 15,474 19,384 2100 19,075 19,613 19,601 19,635 18,276 15,070 16,878 19,665 19,121 19,687 18,704 17,238 14,656 15,474 19,384 2100 19,075 19,613 19,601 19,635 18,276 15,070 16,878 19,655 19,414 19,315 19,091 17,965 15,314 15,994 19,259 2200 18,115 18,366 18,367 18,487 16,748 14,469 16,122 18,490 18,416 18,097 17,941 16,884 14,523 15,900 17,893 2300 16,935 17,330 16,887 17,166 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,708 16,821 2400 16,304 16,517 16,360 16,446 13,443 12,383 16,245 16,796 16,796 16,782 16,553 16,499 13,166 13,078 15,405 16,065	100 200 300 400 500 600 700 800 900 1000	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,381 20,288	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,344	16,132 15,977 15,574 15,618 16,161 17,232 18,381 19,451 20,071 20,680 20,633	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,482 16,405	11,994 11,649 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,899 21,188 21,249	16,142 16,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587	16,357 16,271 16,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281 20,353	16,105 15,972 15,731 16,141 16,608 18,122 19,407 20,090 20,481 20,773 20,587	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093 20,471 20,055	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977 14,036	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740	5/1/
1500 20,370 19,885 20,538 20,874 20,322 15,268 14,476 20,701 20,425 19,867 19,897 19,076 15,582 13,674 20,506 1500 19,542 19,465 19,949 20,271 19,533 14,771 14,498 19,896 19,663 19,313 19,468 18,324 15,026 13,869 19,954 1600 19,463 19,085 19,477 20,258 19,120 14,691 14,793 19,515 19,573 19,571 19,223 17,939 14,782 14,212 19,539 1700 18,994 18,798 18,906 19,542 18,611 14,592 14,824 19,075 19,114 19,375 18,837 17,635 14,803 14,347 19,528 1800 18,766 18,605 18,650 19,150 18,510 14,220 15,025 18,791 18,702 19,359 18,542 17,200 14,650 14,489 19,522 19,000 18,396 18,542 18,513 18,863 18,027 13,964 15,295 18,574 18,472 19,202 18,288 16,762 14,463 14,705 19,667 2000 18,840 19,309 19,490 19,575 18,490 14,751 16,471 19,256 19,121 19,687 18,704 17,238 14,656 15,474 19,384 2100 19,075 19,613 19,601 19,635 18,276 15,070 16,878 19,655 19,414 19,315 19,091 17,965 15,314 15,994 19,259 2200 18,115 18,366 18,367 18,487 16,748 14,489 16,122 18,490 18,416 18,097 17,941 16,884 14,523 15,900 17,893 2300 16,935 17,330 16,887 17,166 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,708 16,821 2400 16,304 16,517 16,360 16,446 13,443 12,383 16,245 16,796 16,762 14,490 13,166 13,078 15,509 335,389 445,314	100 200 300 400 500 600 700 800 900 1000 1100	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,381 20,288 20,230	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,541	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,344 20,272	16,132 15,977 15,574 15,618 16,161 17,232 18,381 19,451 20,071 20,680 20,633 20,522	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,482 16,405	11,994 11,649 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,899 21,188 21,249 21,297	16,142 16,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,587	16,357 16,271 15,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281 20,353 20,354	16,105 15,972 15,731 16,141 16,608 16,122 19,407 20,090 20,481 20,773 20,587 20,514	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093 20,471 20,055 19,698	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201 16,512	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977 14,036	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740 20,626	5/1/
1500 19,542 19,465 19,949 20,271 19,533 14,771 14,498 19,896 19,663 19,313 19,468 18,324 15,026 13,869 19,954 1600 19,463 19,085 19,477 20,258 19,120 14,691 14,793 19,515 19,573 19,571 19,223 17,939 14,782 14,212 19,539 1700 18,994 18,798 18,906 19,542 18,611 14,592 14,824 19,075 19,114 19,375 18,837 17,635 14,803 14,347 19,528 1800 18,766 18,605 18,650 19,150 18,510 14,220 15,025 18,791 18,702 19,359 18,542 17,200 14,550 14,489 19,522 1900 18,396 18,542 18,513 18,863 18,027 13,964 15,295 18,574 18,472 19,202 18,298 16,762 14,463 14,705 19,667 2000 18,840 19,309 19,490 19,575 18,490 14,751 16,471 19,256 19,121 19,687 18,704 17,238 14,656 15,474 19,384 2100 19,075 19,613 19,601 19,635 18,276 15,070 16,878 19,655 19,141 19,315 19,091 17,965 15,314 15,994 19,259 2200 18,115 18,366 18,367 18,487 16,748 14,469 16,122 18,490 18,416 18,097 17,941 16,884 14,523 15,900 17,893 2300 16,935 17,330 16,887 17,166 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,708 16,821 2400 16,304 16,517 16,360 16,446 13,443 12,383 16,245 16,796 16,796 16,782 16,553 16,499 13,166 13,078 15,405 16,065	100 200 300 400 500 600 700 800 900 1000 1100 1200	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080 20,613	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,381 20,288 20,230 20,169	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,541 20,769	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,344 20,272 20,664	16,132 15,977 15,674 15,618 16,161 17,232 18,381 19,451 20,071 20,680 20,633 20,522 20,602	12,944 12,662 12,358 12,535 12,936 13,554 14,418 15,486 16,157 16,482 16,405 16,049	11,994 11,649 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184 14,400 14,418	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,889 21,188 21,249 21,249 21,297	16,142 16,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,734	16,357 16,271 16,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281 20,353 20,354 20,354	16,105 15,972 15,731 16,141 16,608 16,122 19,407 20,090 20,481 20,773 20,587 20,514	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093 20,471 20,055 19,698	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201 16,512	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977 14,036 14,031	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740 20,626 20,558	5/1/
1600 19,463 19,085 19,477 20,258 19,120 14,691 14,793 19,515 19,573 19,571 19,223 17,939 14,782 14,212 19,539 1700 18,994 18,798 18,906 19,542 18,611 14,592 14,824 19,075 19,114 19,375 18,837 17,635 14,803 14,347 19,528 18,000 18,766 18,605 18,650 19,150 18,510 14,220 15,025 18,791 18,702 19,339 18,542 17,200 14,550 14,489 19,522 19,000 18,396 18,542 18,513 18,863 18,027 13,964 15,295 18,574 18,472 19,202 18,298 16,762 14,463 14,705 19,667 18,840 19,309 19,490 19,575 18,490 14,751 16,471 19,256 19,121 19,687 18,704 17,238 14,656 15,474 19,384 14,000 19,075 19,613 19,601 19,635 18,276 15,070 16,878 19,655 19,414 19,315 19,091 17,965 15,314 15,994 19,259 18,000 18,395 18,366 18,367 18,867 18,867 18,469 16,122 18,490 18,416 18,097 17,941 16,884 14,523 15,900 17,893 18,000 16,935 17,330 16,887 17,166 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,708 16,821 16,304 16,517 16,360 16,446 13,443 12,383 16,245 16,796 16,782 16,553 16,499 13,166 13,078 15,405 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065	100 200 300 400 500 600 700 800 900 1000 1100 1200 1300	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080 20,613 20,370	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,381 20,288 20,230 20,169 19,885	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,541 20,769 20,538	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,272 20,664 20,664	16,132 15,977 15,574 15,618 16,161 17,232 18,381 19,451 20,670 20,633 20,522 20,522 20,602 20,322	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,482 16,405 16,049 15,665 15,268	11,994 11,699 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184 14,400 14,418 14,476	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,889 21,188 21,249 21,249 21,297	16,142 16,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,734	16,357 16,271 16,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281 20,353 20,354 20,354	16,105 15,772 15,731 16,141 16,608 18,122 19,407 20,090 20,481 20,773 20,587 20,587 20,514	16,031 15,856 15,870 16,379 17,040 18,529 19,362 20,093 20,471 20,055 19,698	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201 16,512 16,054	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977 14,036 14,031 14,118 13,933	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740 20,626 20,588	5/1/
1700 18,994 18,798 18,996 19,542 18,611 14,592 14,824 19,075 19,114 19,375 18,837 17,635 14,803 14,347 19,528 1800 18,766 18,605 18,650 19,150 18,510 14,220 15,025 18,791 18,702 19,359 18,542 17,200 14,550 14,489 19,522 1900 18,396 18,542 18,513 18,863 18,027 13,964 15,295 18,574 18,472 19,202 18,298 16,762 14,463 14,705 19,667 19,667 19,000 19,490 19,575 18,490 14,751 16,471 19,256 19,121 19,687 18,704 17,238 14,656 15,474 19,384 19,007 19,007 19,613 19,601 19,635 18,276 15,070 16,878 19,655 19,414 19,315 19,091 17,965 15,314 15,994 19,259 18,115 18,366 18,367 18,487 16,748 14,489 16,122 18,490 18,416 18,097 17,941 16,884 14,523 15,900 17,893 18,000 16,935 17,330 16,887 17,166 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,708 16,821 16,304 16,517 16,360 16,446 13,443 12,383 16,245 16,796 16,782 16,553 16,499 13,166 13,078 15,405 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 1	100 200 300 400 500 600 700 800 900 1000 1200 1300 1400	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080 20,613 20,370 19,542	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,381 20,230 20,169 19,885 19,465	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,541 20,769 20,538 19,949	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,272 20,664 20,874 20,874 20,271	16,132 15,977 15,674 15,618 16,161 17,232 18,381 19,451 20,071 20,680 20,633 20,522 20,602 20,322 19,533	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,482 16,405 16,049 15,665 15,268	11,994 11,699 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184 14,400 14,418 14,476	15,935 16,244 16,090 16,552 17,586 18,754 20,687 20,899 21,188 21,249 21,297 20,977	16,142 16,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,734 20,656 20,425	16,357 16,271 16,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281 20,353 20,354 20,311 19,867	16,105 15,972 15,731 16,141 16,608 18,122 19,407 20,090 20,481 20,773 20,587 20,514 20,386 19,897	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093 20,471 20,055 19,696 19,076	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201 16,512 16,054 15,876	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977 14,036 14,031 14,118 13,933 13,674	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740 20,626 20,558 20,558 20,558	5/1/
1800 18,766 18,605 18,650 19,150 18,510 14,220 15,025 18,791 18,702 19,359 18,542 17,200 14,550 14,489 19,522 1900 18,840 19,309 19,490 19,575 18,490 14,751 16,471 19,256 19,121 19,687 18,704 17,238 14,656 15,474 19,384 19,000 19,075 19,613 19,601 19,655 18,761 15,070 16,878 19,655 19,121 19,687 18,704 17,238 14,656 15,474 19,384 19,200 18,115 18,366 18,367 18,487 16,748 14,469 16,122 18,490 18,416 18,097 17,941 16,884 14,523 15,900 17,893 14,300 16,935 17,330 16,887 17,166 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,708 16,821 16,304 16,517 16,364 14,516 13,443 12,383 16,245 16,796 16,782 16,553 16,499 13,166 13,078 15,405 16,065	100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080 20,613 20,370 19,542 19,463	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,381 20,288 20,230 20,169 19,885 19,465 19,085	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,541 20,769 20,538 19,949	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,272 20,664 20,874 20,874 20,271	16,132 15,977 15,674 15,618 16,161 17,232 18,381 19,451 20,071 20,680 20,633 20,522 20,602 20,322 19,533	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,482 16,405 16,049 15,665 15,268	11,994 11,649 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184 14,400 14,418 14,476 14,498	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,899 21,188 21,249 21,297 20,977 20,701 19,896	16,142 15,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,734 20,656 20,425 19,663	16,357 16,271 16,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281 20,353 20,354 20,311 19,867 19,313	16,105 15,972 15,731 16,141 16,608 18,122 19,407 20,090 20,481 20,773 20,587 20,514 20,386 19,897 19,468	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093 20,471 20,055 19,698 19,606 19,076	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201 16,512 16,054 15,876 15,582	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977 14,036 14,031 14,118 13,933 13,674 13,869	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740 20,626 20,558 20,558 20,558	5/1/
1900 18,396 18,542 18,513 18,663 18,027 13,964 15,295 18,574 18,472 19,202 18,298 16,762 14,463 14,705 19,667 2000 18,840 19,309 19,490 19,575 18,490 14,751 16,471 19,256 19,121 19,687 18,704 17,238 14,655 15,474 19,384 2100 19,075 19,613 19,601 19,635 18,276 15,070 16,878 19,655 19,414 19,315 19,091 17,965 15,314 15,994 19,259 2200 18,115 18,366 18,367 18,487 16,748 14,469 16,122 18,490 18,416 18,097 17,941 16,884 14,523 15,900 17,893 2300 16,935 17,330 16,887 17,166 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,708 16,821 2400 16,304 16,517 16,360 16,446 13,443 12,383 16,245 16,796 16,782 16,553 16,499 13,166 13,078 15,405 16,065	100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080 20,613 20,370 19,542 19,463	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,381 20,288 20,230 20,169 19,885 19,465 19,085	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,538 19,949 19,477	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,344 20,272 20,664 20,874 20,271 20,271	16,132 15,977 15,574 15,618 16,161 17,232 18,381 19,451 20,071 20,680 20,633 20,522 20,602 20,322 19,533 19,120	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,482 16,405 15,665 15,268 14,771 14,691	11,994 11,649 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184 14,400 14,418 14,476 14,498	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,899 21,188 21,249 21,297 20,977 20,701 19,896 19,515	16,142 16,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,734 20,656 20,425 19,663 19,573	16,357 16,271 15,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281 20,353 20,354 20,311 19,867 19,313 19,571	16,105 15,972 15,731 16,141 16,608 16,122 19,407 20,090 20,481 20,773 20,587 20,514 20,386 19,897 19,468 19,223	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093 20,471 20,055 19,698 19,606 19,076 18,324 17,939	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201 16,512 16,054 15,876 15,582 15,026 14,782	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977 14,036 14,031 14,118 13,933 13,674 13,869 14,212	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740 20,626 20,558 20,558 20,563 20,563 19,954	5/1/
2000 18,840 19,309 19,490 19,575 18,490 14,751 16,471 19,256 19,121 19,687 18,704 17,238 14,656 15,474 19,384 2100 19,075 19,613 19,601 19,635 18,276 15,070 16,878 19,655 19,414 19,315 19,091 17,965 15,314 15,994 19,259 2200 18,115 18,366 18,367 18,487 16,748 14,469 16,122 18,490 18,416 18,097 17,941 16,884 14,523 15,900 17,893 2300 16,935 17,330 16,887 17,166 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,708 16,821 2400 16,304 16,517 16,360 16,446 13,443 12,383 16,245 16,796 16,782 16,553 16,499 13,166 13,078 15,405 16,065	100 200 300 400 500 600 700 1000 1100 1200 1300 1400 1500 1600	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080 20,613 20,370 19,542 19,463 18,994	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,381 20,230 20,169 19,885 19,465 19,085 18,798	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,541 20,769 20,538 19,949 19,477 18,906	15,766 15,708 15,508 15,597 16,490 18,094 19,352 20,116 20,448 20,344 20,272 20,664 20,874 20,271 20,258 19,542	16,132 15,977 15,674 15,618 16,161 17,232 18,381 19,451 20,071 20,680 20,633 20,522 20,602 20,322 19,533 19,120 18,611	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,482 16,405 16,049 15,665 15,268 14,771 14,691 14,592	11,994 11,699 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184 14,400 14,418 14,476 14,498 14,793 14,624	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,899 21,188 21,249 21,297 20,977 20,701 19,896 19,515	16,142 16,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,734 20,656 20,425 19,673 19,114	16,357 16,271 16,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281 20,353 20,354 20,311 19,867 19,313 19,571	16,105 15,972 15,731 16,141 16,608 18,122 19,407 20,090 20,481 20,773 20,587 20,514 20,386 19,897 19,468 19,223 18,837	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093 20,471 20,055 19,696 19,076 18,324 17,339 17,635	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201 16,512 16,054 15,876 15,582 15,026 14,782	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 14,031 14,036 14,031 14,118 13,933 13,674 13,869 14,212	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,740 20,626 20,558 20,558 20,506 19,954 19,539 19,528	5/1/
2100 19,075 19,613 19,601 19,635 18,276 15,070 16,878 19,655 19,414 19,315 19,091 17,965 15,314 15,994 19,259 2200 18,115 18,366 18,367 18,487 16,748 14,469 16,122 18,490 18,416 18,097 17,941 16,884 14,523 15,900 17,893 2300 16,935 17,330 16,887 17,166 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,708 16,821 2400 16,304 16,517 16,360 16,446 13,443 12,383 16,245 16,796 16,782 16,553 16,499 13,166 13,078 15,405 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,	100 200 300 400 500 600 700 800 900 1100 1200 1300 1400 1500 1600 1700	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080 20,613 20,370 19,542 19,463 18,994 18,766	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,288 20,230 20,169 19,885 19,465 19,085 18,798 18,605	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,541 20,541 20,564 19,949 19,477 18,906 18,650	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,272 20,664 20,874 20,271 20,258 19,542 19,150	16,132 15,977 15,574 15,618 16,161 17,232 18,381 19,451 20,672 20,633 20,522 20,602 20,322 19,533 19,120 18,611 18,510	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,482 16,405 16,049 15,665 15,268 14,771 14,691 14,592	11,994 11,649 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184 14,400 14,418 14,476 14,498 14,793 14,824 15,025	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,899 21,188 21,249 21,297 20,977 20,701 19,896 19,515 19,075 18,791	16,142 15,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,734 20,656 20,425 19,663 19,573 19,114 18,702	16,357 16,271 16,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281 20,353 20,354 20,311 19,867 19,313 19,575 19,375	16,105 15,972 15,731 16,141 16,608 18,122 19,407 20,090 20,481 20,773 20,587 20,514 20,386 19,897 19,468 19,223 18,837 18,542	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093 20,471 20,055 19,698 19,606 19,076 18,324 17,339 17,635 17,200	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201 16,512 16,054 15,876 15,582 15,026 14,782 14,803 14,650	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977 14,036 14,031 14,118 13,933 13,674 13,869 14,212 14,347 14,489	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740 20,626 20,558 20,558 20,558 20,556 19,954 19,639 19,528	5/1/
2100 19,075 19,613 19,601 19,635 18,276 15,070 16,878 19,655 19,414 19,315 19,091 17,965 15,314 15,994 19,259 2200 18,115 18,366 18,367 18,487 16,748 14,469 16,122 18,490 18,416 18,097 17,941 16,884 14,523 15,900 17,893 2300 16,935 17,330 16,887 17,166 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,708 16,821 2400 16,304 16,517 16,360 16,446 13,443 12,383 16,245 16,796 16,782 16,553 16,499 13,166 13,078 15,405 16,065 16,065 17 16,360 16,446 13,443 12,383 16,245 16,796 16,782 16,553 16,499 13,166 13,078 15,405 16,065 16,065 17 16,360 16,466 13,463 15,465 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,065 16,0	100 200 300 400 500 600 700 800 900 1000 1200 1300 1400 1500 1600 1700	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080 20,613 20,370 19,542 19,463 18,994 18,766 18,396	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,381 20,288 20,230 20,169 19,885 19,465 19,085 18,798 18,605 18,542	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,541 20,769 20,538 19,949 19,477 18,906 18,650 18,651	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,272 20,664 20,874 20,271 20,258 19,542 19,150 18,863	16,132 15,977 15,574 15,618 16,161 17,232 18,381 19,451 20,671 20,680 20,633 20,522 20,602 20,322 19,533 19,120 18,611 18,510 18,510	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,482 16,405 15,668 15,268 14,771 14,691 14,592 14,522 14,220 13,964	11,994 11,649 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184 14,400 14,418 14,476 14,498 14,793 14,824 15,025 15,295	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,899 21,188 21,249 21,297 20,977 20,977 19,896 19,515 19,075 18,791 18,574	16,142 16,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,734 20,656 19,663 19,573 19,114 18,702 18,472	16,357 16,271 16,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281 19,867 19,313 19,571 19,375 19,375 19,359	16,105 15,972 15,731 16,141 16,608 18,122 19,407 20,090 20,481 20,773 20,587 20,514 20,386 19,897 19,468 19,223 18,837 18,542 18,298	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093 20,471 20,055 19,698 19,676 19,076 18,324 17,939 17,635 17,200	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201 16,512 16,054 15,876 15,582 14,803 14,503 14,503	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977 14,036 14,031 14,118 13,933 13,674 13,869 14,212 14,347 14,489 14,705	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740 20,626 20,558 20,558 20,558 19,954 19,539 19,528 19,522 19,667	5/1/
2200 18,115 18,366 18,367 18,487 16,748 14,469 16,122 18,490 18,416 18,097 17,941 16,884 14,523 15,900 17,893 2300 16,935 17,330 16,887 17,166 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,708 16,821 2400 16,304 16,517 16,360 16,446 13,443 12,383 16,245 16,796 16,782 16,553 16,499 13,166 13,078 15,405 16,065 Total 442,143 426,947 449,796 448,728 432,606 345,166 339,759 455,960 450,415 449,507 444,392 425,054 345,539 335,389 445,314	100 200 300 400 500 600 700 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080 20,613 20,370 19,542 19,463 18,994 18,766 18,396	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,381 20,230 20,169 19,885 19,465 19,085 18,798 18,605 18,542 19,309	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,538 19,949 19,477 18,906 18,650 18,513	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,344 20,272 20,664 20,874 20,271 20,258 19,542 19,150 18,863 19,575	16,132 15,977 15,574 15,618 16,161 17,232 18,381 19,451 20,071 20,680 20,633 20,522 20,602 20,322 19,533 19,120 18,611 18,510 18,027 18,490	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,482 16,405 15,665 15,268 14,771 14,691 14,592 14,220 13,964 14,751	11,994 11,649 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184 14,400 14,418 14,476 14,498 14,793 14,824 15,025 15,295 16,471	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,899 21,188 21,249 21,297 20,977 20,707 19,896 19,515 19,075 18,791 18,574 19,256	16,142 16,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,734 20,656 20,425 19,663 19,573 19,114 18,702 18,472 19,121	16,357 16,271 15,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281 20,353 20,354 20,311 19,867 19,313 19,571 19,375 19,375 19,202	16,105 15,972 15,731 16,141 16,608 18,122 19,407 20,090 20,481 20,773 20,587 20,514 20,386 19,897 19,468 19,223 18,837 18,542 18,298	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093 20,471 20,055 19,698 19,676 19,076 18,324 17,939 17,635 17,200	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201 16,512 16,054 15,876 15,582 14,803 14,503 14,503	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977 14,036 14,031 14,118 13,933 13,674 13,869 14,212 14,347 14,489 14,705	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740 20,626 20,558 20,558 20,558 19,954 19,539 19,528 19,522 19,667	S/1/
2300 16,935 17,330 16,887 17,166 14,492 13,326 16,303 17,509 17,315 17,059 16,975 14,120 13,663 15,708 16,821 2400 16,304 16,517 16,360 16,446 13,443 12,383 16,245 16,796 16,782 16,553 16,499 13,166 13,078 15,405 16,065 Total 442,143 426,947 449,796 448,728 432,606 345,166 339,759 455,960 450,415 449,507 444,392 425,054 345,539 335,389 445,314	100 200 300 400 500 600 700 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080 20,613 20,370 19,542 19,463 18,994 18,766 18,396	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,381 20,230 20,169 19,885 19,465 19,085 19,085 18,798 18,605 18,542 19,309 19,613	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,541 20,769 20,538 19,949 19,477 18,906 18,650 18,513 19,490 19,601	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,272 20,664 20,271 20,258 19,542 19,150 18,863 19,575 19,635	16,132 15,977 15,674 15,618 16,161 17,232 18,381 19,451 20,633 20,522 20,632 20,522 19,533 19,120 18,611 18,510 18,027 18,490 18,276	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,482 16,405 15,665 15,268 14,771 14,691 14,592 14,220 13,964 14,751 15,070	11,994 11,649 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184 14,400 14,418 14,476 14,498 14,793 14,824 15,025 15,295 16,471	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,899 21,188 21,249 21,297 20,977 20,707 19,896 19,515 19,075 18,791 18,574 19,256	16,142 16,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,734 20,656 20,425 19,663 19,573 19,114 18,702 18,472 19,121	16,357 16,271 15,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281 20,353 20,354 20,311 19,867 19,313 19,571 19,375 19,375 19,202	16,105 15,972 15,731 16,141 16,608 16,122 19,407 20,090 20,481 20,773 20,587 20,514 20,386 19,897 19,468 19,223 18,837 18,542 18,298 18,704	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,933 20,471 20,055 19,698 19,606 19,076 18,324 17,839 17,635 17,200	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201 16,512 16,054 15,876 15,582 14,803 14,556 14,463 14,656	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977 14,036 14,031 14,118 13,933 13,674 13,869 14,212 14,347 14,489 14,705 15,474	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740 20,626 20,558 20,563 20,566 19,954 19,539 19,528 19,522 19,667 19,384	S/1/
2400 16,304 16,517 16,360 16,446 13,443 12,383 16,245 16,796 16,782 16,553 16,499 13,166 13,078 15,405 16,065 Total 442,143 426,947 449,796 448,728 432,606 345,166 339,759 455,960 450,415 449,507 444,392 425,054 345,539 335,389 445,314	100 200 300 400 500 600 700 800 900 1000 1300 1400 1500 1600 1700 1800 1900 2000 2100	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080 20,613 20,370 19,542 19,463 18,994 18,766 18,840 19,075	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,288 20,230 20,169 19,885 19,465 19,085 18,798 18,605 18,542 19,309 19,613 18,366	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,541 20,769 20,538 19,949 19,477 18,906 18,650 18,513 19,490 19,601 18,367	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,272 20,664 20,874 20,271 20,258 19,542 19,150 18,863 19,575 19,635 18,487	16,132 15,977 15,574 15,618 16,161 17,232 18,381 19,451 20,671 20,680 20,633 20,522 20,602 20,322 19,533 19,120 18,611 18,510 18,510 18,510 18,510 18,576 16,748	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,492 15,665 15,268 14,771 14,691 14,592 14,220 13,964 14,751 15,070 14,469	11,994 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184 14,400 14,418 14,476 14,498 14,793 14,824 15,025 15,295 16,471 16,878	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,899 21,188 21,249 21,297 20,977 20,701 19,896 19,515 18,791 18,574 19,256 19,655	16,142 16,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,734 20,656 20,425 19,663 19,573 19,114 18,702 18,472 19,121 19,414	16,357 16,271 16,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281 20,353 20,354 20,311 19,867 19,313 19,571 19,375 19,359 19,202 19,687 19,315	16,105 15,972 15,731 16,141 16,608 18,122 19,407 20,090 20,481 20,773 20,587 20,514 20,386 19,897 19,468 19,223 18,837 18,542 18,298 18,704	16,031 15,856 15,870 17,040 18,529 19,362 19,755 20,093 20,471 20,055 19,696 19,076 18,224 17,239 17,635 17,200 16,762 17,238	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,512 16,512 16,552 15,582 15,582 14,782 14,463 14,463 14,465 14,465 14,465	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 14,036 14,031 14,118 13,933 13,674 13,869 14,212 14,347 14,489 14,705 15,474 15,994	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740 20,626 20,558 20,558 20,558 20,559 19,954 19,539 19,522 19,667 19,384 19,559	5/1/
Total 442,143 426,947 449,796 448,728 432,606 345,166 339,759 455,960 450,415 449,507 444,392 425,054 345,539 335,389 445,314	100 200 300 400 500 600 700 800 900 1000 1200 1300 1400 1500 1600 1700 1800 2000 2100 2200 2300	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080 20,613 20,370 19,542 19,463 18,994 18,766 18,396 18,840 19,075 18,115	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,381 20,288 20,230 20,169 19,885 19,465 19,085 18,798 18,605 18,542 19,309 19,613 18,366 18,366 18,366 17,330	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,541 20,769 20,538 19,949 19,477 18,906 18,650 18,513 19,490 19,601 18,367	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,272 20,664 20,874 20,271 20,258 19,542 19,150 18,863 19,575 19,635 18,487	16,132 15,977 15,574 15,618 16,161 17,232 18,381 19,451 20,671 20,680 20,633 20,522 20,602 20,322 19,533 19,120 18,611 18,510 18,510 18,510 18,510 18,576 16,748	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,492 15,665 15,268 14,771 14,691 14,592 14,220 13,964 14,751 15,070 14,469	11,994 11,649 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184 14,400 14,418 14,476 14,498 14,793 14,824 15,025 15,295 16,471 16,878 16,878	15,935 16,244 16,090 16,552 17,586 18,754 20,687 20,899 21,188 21,249 21,297 20,977 20,701 19,896 19,515 19,075 18,791 18,574 19,256 19,655 18,490	16,142 15,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,734 20,656 19,663 19,573 19,114 18,702 18,472 19,121 19,416	16,357 16,271 16,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281 20,353 20,354 20,311 19,867 19,313 19,571 19,375 19,359 19,202 19,687 19,315	16,105 15,972 15,731 16,141 16,608 18,122 19,407 20,090 20,481 20,773 20,514 20,386 19,897 19,468 19,223 18,837 18,542 18,298 18,704 19,091	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093 20,471 20,055 19,698 19,606 19,076 18,324 17,839 17,635 17,200 16,762 17,238 17,265 16,884	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201 16,512 16,054 15,876 15,582 14,803 14,463 14,656 15,314 14,523	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977 14,036 14,031 14,118 13,933 13,674 13,869 14,212 14,347 14,489 14,705 15,474 15,994	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740 20,626 20,558 20,558 20,558 20,558 19,539 19,539 19,528 19,67 19,67 19,384	5/1/
335,389 445,314	100 200 300 400 500 600 700 800 900 1000 1200 1300 1400 1500 1600 1700 1800 2000 2100 2200 2300	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080 20,613 20,370 19,542 19,463 18,994 18,766 18,396 18,840 19,075 18,115	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,381 20,288 20,230 20,169 19,885 19,465 19,085 18,798 18,605 18,542 19,309 19,613 18,366 18,366 18,366 18,366 17,330	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,541 20,769 20,538 19,949 19,477 18,906 18,650 18,513 19,490 19,601 18,367 16,887	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,272 20,664 20,874 20,271 20,258 19,542 19,150 18,863 19,575 19,635 19,635 19,635	16,132 15,977 15,574 15,618 16,161 17,232 18,381 19,451 20,671 20,680 20,633 20,522 20,602 20,322 19,533 19,120 18,611 18,510 18,027 18,490 18,276 16,748 14,492	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,405 15,665 15,268 14,771 14,691 14,592 14,220 13,964 14,751 15,070 14,469 13,326	11,994 11,649 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184 14,476 14,498 14,476 14,498 14,793 14,824 15,025 15,295 16,471 16,878 16,122 16,303	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,899 21,188 21,249 21,297 20,977 20,977 19,896 19,515 19,075 18,791 18,574 19,256 19,655 18,490 17,509	16,142 15,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,734 20,656 20,425 19,663 19,573 19,114 18,702 18,472 19,414 18,416 17,315	16,357 16,271 16,000 16,450 17,330 18,558 19,613 19,991 20,240 20,353 20,354 20,311 19,867 19,313 19,571 19,375 19,359 19,202 19,687 19,315 19,005	16,105 15,972 15,731 16,141 16,608 18,122 19,407 20,090 20,481 20,773 20,587 20,514 20,386 19,897 19,468 19,223 18,837 18,542 18,298 18,704 19,091 17,941 16,975	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093 20,471 20,055 19,698 19,696 19,076 18,324 17,939 17,635 17,200 16,762 17,238 17,965 16,884 14,120	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201 16,512 16,054 15,876 15,582 14,803 14,503 14,656 15,314 14,523 13,663	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977 14,036 14,031 14,118 13,933 13,674 13,869 14,212 14,347 14,489 14,705 15,474 15,990 15,708	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740 20,626 20,558 20,558 20,558 19,954 19,539 19,528 19,522 19,667 19,384 19,259 17,893 16,821	5/1,
10000 10000 00000 00000 00000 00000 00000	100 200 300 400 500 600 1000 1100 1200 1300 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080 20,613 20,370 19,542 19,463 18,994 18,766 18,396 18,894 18,755 18,115 16,935 16,304	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,288 20,230 20,169 19,885 19,465 18,798 18,605 18,798 18,605 18,542 19,309 19,613 18,366 17,330 16,517	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,541 20,541 20,769 20,538 19,949 19,477 18,906 18,650 18,513 19,490 19,601 18,367 16,887 16,360	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,272 20,664 20,874 20,271 20,258 19,542 19,150 18,863 19,575 19,635 19,635 19,635	16,132 15,977 15,574 15,618 16,161 17,232 18,381 19,451 20,671 20,680 20,633 20,522 20,602 20,322 19,533 19,120 18,611 18,510 18,027 18,490 18,276 16,748 14,492	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,405 15,665 15,268 14,771 14,691 14,592 14,220 13,964 14,751 15,070 14,469 13,326	11,994 11,649 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184 14,476 14,498 14,476 14,498 14,793 14,824 15,025 15,295 16,471 16,878 16,122 16,303	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,899 21,188 21,249 21,297 20,977 20,977 19,896 19,515 19,075 18,791 18,574 19,256 19,655 18,490 17,509	16,142 15,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,734 20,656 20,425 19,663 19,573 19,114 18,702 18,472 19,414 18,416 17,315	16,357 16,271 16,000 16,450 17,330 18,558 19,613 19,991 20,240 20,353 20,354 20,311 19,867 19,313 19,571 19,375 19,359 19,202 19,687 19,315 19,005	16,105 15,972 15,731 16,141 16,608 18,122 19,407 20,090 20,481 20,773 20,587 20,514 20,386 19,897 19,468 19,223 18,837 18,542 18,298 18,704 19,091 17,941 16,975	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093 20,471 20,055 19,698 19,696 19,076 18,324 17,939 17,635 17,200 16,762 17,238 17,965 16,884 14,120	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201 16,512 16,054 15,876 15,582 14,803 14,503 14,656 15,314 14,523 13,663	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977 14,036 14,031 14,118 13,933 13,674 13,869 14,212 14,347 14,489 14,705 15,474 15,990 15,708	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740 20,626 20,558 20,558 20,558 19,954 19,539 19,528 19,522 19,667 19,384 19,259 17,893 16,821	5/1/
махиния 21,049 миниия 10,225 Grand Total 12,247.	100 200 300 400 500 600 1000 1000 1100 1200 1300 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080 20,613 20,370 19,542 19,463 18,994 18,766 18,396 18,894 18,755 18,115 16,935 16,304	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,288 20,230 20,169 19,885 19,465 18,798 18,605 18,798 18,605 18,542 19,309 19,613 18,366 17,330 16,517	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,541 20,541 20,769 20,538 19,949 19,477 18,906 18,650 18,513 19,490 19,601 18,367 16,887 16,360	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,272 20,664 20,874 20,271 20,258 19,542 19,150 18,863 19,575 19,635 18,487 17,166 16,446	16,132 15,977 15,574 15,618 16,161 17,232 18,381 19,451 20,672 20,633 20,522 20,602 20,322 19,533 19,120 18,611 18,510 18,027 18,490 18,276 16,748 14,492 13,443	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,482 16,405 16,049 15,665 15,268 14,771 14,691 14,592 14,220 13,964 14,751 15,070 14,469 13,326 12,383	11,994 11,649 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184 14,400 14,418 14,476 14,498 14,793 14,824 15,025 15,295 16,471 16,878 16,122 16,303 16,245	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,899 21,188 21,249 21,297 20,977 20,701 19,896 19,515 19,075 18,791 18,574 19,256 19,655 18,490 17,509 16,796	16,142 15,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,734 20,656 20,425 19,663 19,573 19,114 18,702 18,472 19,121 19,414 18,416 17,315 16,782	16,357 16,271 16,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281 20,353 20,354 20,311 19,867 19,313 19,571 19,375 19,202 19,687 19,315 18,097 17,059 16,553	16,105 15,972 15,731 16,141 16,608 18,122 19,407 20,090 20,481 20,773 20,514 20,386 19,897 19,468 19,223 18,837 18,542 18,298 18,704 19,091 17,941 16,975 16,499	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093 20,471 20,055 19,698 19,606 19,076 18,324 17,339 17,635 17,200 16,762 17,238 17,238 17,965 16,884 14,120	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201 16,512 16,054 15,562 15,026 14,782 14,803 14,650 14,463 14,656 15,314 14,523 13,663 13,078	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977 14,036 14,031 14,118 13,933 13,674 13,869 14,212 14,347 14,489 14,705 15,474 15,994 15,900 15,708	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740 20,626 20,558 20,558 20,558 20,556 19,954 19,539 19,522 19,667 19,384 19,529 17,893 16,821 16,065	5/1/2
	100 200 300 400 500 600 1000 1100 1200 1300 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400	15,656 15,542 15,834 16,202 17,768 19,114 19,728 20,004 20,463 20,667 20,080 20,613 20,370 19,542 19,463 18,994 18,766 18,396 18,894 18,755 18,115 16,935 16,304	15,641 15,550 15,856 16,544 18,131 19,303 19,906 20,121 20,288 20,230 20,169 19,885 19,465 18,798 18,605 18,798 18,605 18,542 19,309 19,613 18,366 17,330 16,517	16,178 16,015 16,021 16,416 17,037 18,514 19,765 20,194 20,398 20,795 20,415 20,541 20,541 20,769 20,538 19,949 19,477 18,906 18,650 18,513 19,490 19,601 18,367 16,887 16,360	15,766 15,708 15,508 15,797 16,490 18,094 19,352 19,902 20,116 20,448 20,272 20,664 20,874 20,271 20,258 19,542 19,150 18,863 19,575 19,635 18,487 17,166 16,446	16,132 15,977 15,574 15,618 16,161 17,232 18,381 19,451 20,672 20,633 20,522 20,602 20,322 19,533 19,120 18,611 18,510 18,027 18,490 18,276 16,748 14,492 13,443	12,944 12,662 12,358 12,535 12,936 13,564 14,418 15,486 16,157 16,482 16,405 16,049 15,665 15,268 14,771 14,691 14,592 14,220 13,964 14,751 15,070 14,469 13,326 12,383	11,994 11,649 11,691 11,714 11,984 12,373 12,867 13,532 13,890 14,133 14,184 14,400 14,418 14,476 14,498 14,793 14,824 15,025 15,295 16,471 16,878 16,122 16,303 16,245	15,935 16,244 16,090 16,552 17,586 18,754 20,244 20,687 20,899 21,188 21,249 21,297 20,977 20,701 19,896 19,515 19,075 18,791 18,574 19,256 19,655 18,490 17,509 16,796	16,142 15,138 15,973 16,258 17,214 18,839 19,613 20,188 20,363 20,713 20,587 20,734 20,656 20,425 19,663 19,573 19,114 18,702 18,472 19,121 19,414 18,416 17,315 16,782	16,357 16,271 16,000 16,450 17,330 18,558 19,613 19,991 20,240 20,281 20,353 20,354 20,311 19,867 19,313 19,571 19,375 19,202 19,687 19,315 18,097 17,059 16,553	16,105 15,972 15,731 16,141 16,608 18,122 19,407 20,090 20,481 20,773 20,587 20,514 20,386 19,897 19,468 19,223 18,837 18,542 18,298 18,704 19,091 17,941 16,975 16,499	16,031 15,856 15,870 16,379 17,040 18,529 19,362 19,755 20,093 20,471 20,055 19,698 19,606 19,076 18,324 17,939 17,635 17,200 16,762 17,238 17,965 16,884 14,120 13,166	12,733 12,480 12,253 12,386 12,930 13,459 13,932 14,801 15,482 16,201 16,512 16,054 15,876 15,582 14,803 14,463 14,656 15,314 14,523 13,663 13,078	12,588 12,372 12,148 12,332 12,523 12,661 13,193 13,700 13,977 14,036 14,031 14,118 13,933 13,674 13,869 14,212 14,347 14,489 14,705 15,474 15,994 15,990 15,708 15,405	15,135 15,150 15,086 15,880 16,550 17,973 19,106 19,658 20,131 20,740 20,626 20,558 20,558 20,558 20,559 19,954 19,539 19,528 19,667 19,384 19,259 17,893 16,821 16,065	5/1/26



Napoleon	Capacit	y Plan - Act	ual								~		l
Apr	2012		ACTUAL DEM	IAND =	21.349	MW			, 5 .				<u> </u>
Days	30		ACTUAL ENE		12,248	MWH							l
					12,270]141.441.1	DEMAND	ENERGY					<u>.</u> .
			DEMAND	DEMAND	ENERGY	LOAD	RATE	RATE	DEMAND	ENERGY	TOTAL	EFFECTIVE	
	S	OURCE	MW	MW-MO	MWH	FACTOR		\$/MWH	CHARGE	CHARGE	CHARGES	RATE \$/MWH	OF
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(9)	(10)			DOLLARS
1	NWASG Po	ol Purchases	0.00	0.00	1,657	0%	\$0.00	\$40.30	\$0	\$66,779	(11)	(12)	(13)
2	NWASG Po		0.00	0.00	-1,881	0%	\$0.00	\$30,41	\$0 \$0	-\$57,194	\$66,779 -\$57,194	\$40.30	6.9%
3	Gorsuch		16.48	16.48	7,204	61%	\$8.59	\$48.73	\$141,569	\$351,082	-\$57,194 \$492,651	\$30.41	-5.9%
4	NYPA		1.03	1.03	587	79%	\$2.14	\$11.84	\$2,197	\$6,948	\$492,051 \$9.145	\$68.38 \$15.58	51.2%
5	JV5		3.09	3.09	2,223	100%	\$21.91	\$21.89	\$67,651	\$48,671	\$9,143 \$116,322	\$52.32	1.0%
6	AFEC		8.77	8.77	2,196	35%	\$7.63	\$33.00	\$66,916	\$72,483	\$139,399	\$63.47	12.1% 14.5%
7	Landfill		0.00	0.00	0	0%	\$0.00	\$0.00	\$0	Ψ72,403 \$0	\$0	\$0.00	0.0%
8	AMPCT		12.40	12.40	9	0%	-\$0.41	\$0.00	-\$5.145	\$0 \$0	-\$5,145	-\$591.04	-0.5%
9	Prairie State	9	2.49	2.49	0	0%	\$20.22	\$0.00	\$50,307	\$0	\$50,307	\$0.00	5.2%
10	JV2		0.26	0.26	0	0%	-\$2.34	\$30.02	-\$618	\$2	-\$616	-\$9,427.71	-0.1%
11	JV6		0.30	0.30	60	28%	\$15.61	\$0.00	\$4,683	\$0	\$4,683	\$78.29	0.5%
12	J Aron		0.40	0.40	288	100%	\$0.00	\$43.41	\$0	\$12,502	\$12,502	\$43.41	1.3%
13	J Aron Sale		-0.40	-0.40	-288	100%	\$0.00	\$43.41	\$0	-\$12,502	-\$12,502	\$43.41	-1.3%
14		5x16 (DB,AEP)	0.00	0.00	0	0%	\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%
15	Zelienople 2		0.00	0.00	0	0%	\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%
16		nley 10 yr 7x24	0.00	0.00	0	0%	\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%
17	Barclays 20		0.00	0.00	0	0%	\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%
18	Zelie/Wam	7x24 (AEP,NEA		0.00	0	0%	\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%
19		mpra 2008-2012	0.00	0.00	0	0%	\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%
20		24 (DB, NWASG I		0.00	0	0%	\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%
	POWER TO		44.82	44.82	12,056	37%	\$7.31	\$40.54	\$327,560	\$488,771	\$816,330	\$67.71	84.9%
21	Energy Effic				12,248		\$0.00	\$3.12	\$0	\$38,168	\$38,168	\$3.12	4.0%
22	Installed Ca		30.70	30.70		 _	\$2.95		\$90,594	-\$11,514	\$79,080	\$6.46	8.2%
23	TRANSMIS		30.35	30.35	2,765]	\$0.64	\$1.30	\$19,479	\$3,608	\$23,088	\$1.89	2.4%
25	Distribution		30.35	30.35		•	\$0.00	\$0.00	\$0	\$0	\$0	\$0.00	0.0%
24	Service Fee				12,248	1	<u>. </u>	\$0.38		\$4,654	\$4,654	\$0.38	0.5%
26	Dispatch Cl				12,248			\$0.00		\$0	\$0	\$0.00	0.0%
_	OTHER TO	TAL							\$110,073	\$34,917	\$144,991	\$11.84	15.1%
GRAND TOTAL PURC	HASED				12,056				\$437,633	\$523,688	\$961,321	 	1-10.170
Delivered to members			21.349	21.349	12,248	79.68%			\$437,633	\$523,688	\$961,321	\$78.49	100.0%
			DEMAND		ENERGY	L.F.			1	-,-,	TOTAL \$	\$/MWh	Avg Temp
	2012 Forec		22.05		12,560	79%					\$954,041	\$75.96	48.3
	2011 Actua		22.18		12,369	77%					\$890,901	\$72.03	48.1
	2010 Actua		20.25		11,874	81%			l .		\$830,030	\$69.90	54.4
									`		Actual Temp	i	49.5



AMERICAN MUNICIPAL POWER, INC.

1111 Schrock Rd, Suite 100

COLUMBUS, OHIO 43229

PHONE: (614) 540-1111

FAX: (614) 540-1078

INVOICE NUMBER:

172561

INVOICE DATE:

5/1/2012

DUE DATE:

5/16/2012

TOTAL AMOUNT DUE:

\$12,502,37

CUSTOMER NUMBER:

5020

CUSTOMER P.O. #:

N/A

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, INC.

Invoice for Debt Service Associated with J Aron Pre-Pay

Project Capacity:

400 kW

For Power delivered during the Month of :

April, 2012

American Manicipal PWR Int. Ray Memil 614-540-0914

Do Not Pay Pale by E Pay

Contract Obligation 400 kW * 720 Hours in Month = 288,000 kWh

288,000 kWh @ \$0.04341100 / kWh ==

\$12,502.37

This amount on this invoice represents an obligation of the Municipality that is payable as an O&M Expense of its Electric System.

TOTAL CHARGES

\$12,502.37

* To avoid a delayed payment charge, payment must be made to provide available funds for use by AMP, Inc on or before the due date.

Wire Transfer Information: Huntington National Bank Columbus, Ohio Account: 01892464798 ABA: #044000024

Mailing Address: AMP, Înc. Dept. L3104 Columbus, Ohio 43260

Bank Lock Box Deposit \$12,502.37 014

AMOUNT

Prepay

01892464798

\$12,502.37

TOTAL DEPOSIT

\$12,502.37



GENERATING ASSOCIATION

Omega Joint Venture Two

INVOICE NUMBER:

172771

1111 Schrock Rd, Suite 100

INVOICE DATE:

5/2/2012

COLUMBUS, OHIO 43229

DUE DATE:

5/14/2012

PHONE: (614) 540-1111

TOTAL AMOUNT DUE:

\$311.51

FAX: (614) 540-1078

CUSTOMER NUMBER:

5020

CUSTOMER P.O. #:

City of Napoleon

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

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

OMEGA JV2 POWER INVOICE -

April, 2012

Do Not Pay Paid by E-Pay American Municipal PWR Inc Ray Merrill 614-540-0914

FIXED RATE CHARGE:

264 kW *

1.18 / kW =

\$311.14

ENERGY CHARGE: SERVICE FEES:

0 kWh *

0.000000 / kWh =

\$0.00

TESTING CHARGES:

0 kWh *

\$0.00

0.000000 / kWh =

\$0.37

TOTAL CHARGES

\$311.51

* To avoid a delayed payment charge, payment must be made to provide available funds for use by OMEGA JV-2 on or before the due date.

Wire Transfer Information: Huntington National Bank Columbus, OH

Mailing Address: AMP, Inc.

Dept. L614

Account: 0189-2204055

Columbus, OH 43260

ABA: #044 000024

Bank Lockbox Deposit Use Only

62-4470-8662-4110

\$311.14 62-4470-8662-4121

\$0.00

10-4170-8510-4610

\$0.00 62-4470-8662-4111

\$0.00

62-4470-8662-4125 62-4470-8662-4700 \$0.00 62-4470-8662-4128 \$0.00

\$0.37

Amount

Omega JV2

0189-2204055

\$311.51

\$311.51 TOTAL DEPOSIT



GENERATING ASSOCIATION 1111 Schrock Rd, Suite 100 Columbus, Ohio 43229 Phone: (614) 540-1111 Fax: (614) 540-1078

Do Not Pay Paid by E-Pay American Municipal PWR Inc

INVOICE NUMBER:

172913

INVOICE DATE:

5/3/2012

DUE DATE:

5/21/2012

TOTAL AMOUNT DUE:

\$64,509.82

CUSTOMER NUMBER:

5020

City of Napoleon

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

CUSTOMER P.O. NUMBER:

BL980397

MAKE CHECKS PAYABLE TO:

OMEGA JV5

PLEASE WRITE INVOICE NUMBER ON REMITTANCE

Debt Service - OMEGA JV5

FOR THE MONTH/YEAR OF: May, 2012

Financing CHARGES:

Base Financing Principal Payment: Base Financing Interest Payment:

TOTAL Financing CHARGES:

\$9.642857 \$11.247631 / kW * / kW * 3,088 kW = 3,088 kW = \$29,777.14 \$34,732.68

AND RETURN YELLOW INVOICE COPY.

\$20.890488

/ kW *

3,088 kW =

\$64,509.82

SUB-TOTAL

\$64,509.82

Total OMEGA JV5 Financing Invoice:

\$64,509.82

Mailing Address:

OMEGA JV5/AMP, Inc.

Dept. L614

Columbus, OH 43260

Wire Transfer Information: Huntington National Bank

Columbus, Ohio

Account No. 0189-2204055 ABA: #044 000024

Entity Bank Lockbox Deposit

\$64,509.83

AMOUNT

OMEGA JV5 0189-2204055

\$64,509.82

^{*} To avoid a delayed payment charge, payment must be made to provide available funds for use by OMEGA-JV5 on or before the due date.

(OMEGA IVS

GENERATING ASSOCIATION 1111 Schrock Rd, Suite 100 Columbus, Ohio 43229 Phone: (614) 540-1111 Fax: (614) 540-1078

American Municipal PWR Inc Ray Memil 614-540-0914

Do Not Pay Paid by E-Pay

INVOICE DATE:

172871

INVOICE NUMBER:

5/3/2012

DUE DATE:

5/21/2012

TOTAL AMOUNT DUE:

\$60,803.50

CUSTOMER NUMBER:

5020

CUSTOMER P.O. NUMBER:

BL980397

MAKE CHECKS PAYABLE TO:

OMEGA JV5

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

FOR THE MONTH/YEAR OF:

April, 2012

DEMAND CHARGES:

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

City of Napoleon

Gregory J. Heath, Finance Director

Napoleon, Ohio 43545-0151

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

Base Operating Expense Demand Charge: Seca Associated with JV5.	\$3.928929 \$0.000000	/ kW * / kW *	3,088 kW = 3,088 kW =	\$12,132.53 \$0.00
TOTAL DEMAND CHARGES:	\$3.928928	/ kW *	3,088 kW =	\$12,132.53
ENERGY CHARGES: JV5 Repl. Pwr. & Variable (Budgeted Rate): JV5 Fuel Cost (Actual Expense):	\$0.021659 \$0.000231	/ kWh * / kWh *	2,223,360 kWh = 2,223,360 kWh =	\$48,156.30 \$514.67
TOTAL ENERGY CHARGES:	\$0.021891	/kWh *	2,223,360 kWh =	\$48,670.97

Total OMEGA JV5 Invoice:

\$60,803.50

Mailing Address:

OMEGA JV5/AMP, Inc.

Dept. L614

Columbus, OH 43260

Wire Transfer Information: Huntington National Bank Columbus, Ohio

Account No. 0189-2204055 ABA: #044 000024

Entity Bank Lockbox Deposit \$60,803.49

AMOUNT

65 OMEGA JV5 0189-2204055

\$60,803.50

^{*} To avoid a delayed payment charge, payment must be made to provide available funds for use by OMEGA-JV5 on or before the due date.



Date:

Thursday May 3, 2012

To:

Joint Venture 5 Members - Napoleon

From:

Tom Sillasen

Director Energy Accounting and Reporting

American Municipal Power Inc.

Re:

JV5 Debt Service Principal & Interest

The JV5 debt service invoices you received for January, February, March and April 2012 had the incorrect principal and interest breakout. Principal was understated and interest was overstated in total for these four months by \$ 7107.30.

Please note that the total JV5 debt service dollar amount invoiced to the municipality each month was correct. The breakout has been corrected on the JV5 debt service invoice dated 5/3/12.

Sorry for any inconvenience and feel free to call with any questions.

Thank you,

Tom Sillasen
Director Energy Accounting and Reporting
American Municipal Power Inc.
1111 Schrock Road – Suite 100
Columbus, OH 43229
Phone: 614-540-0948

tsillasen@amppartners.org



AMERICAN MUNICIPAL POWER, INC.

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

INVOICE NUMBER:

172820

INVOICE DATE:

5/1/2012

DUE DATE:

5/15/2012

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.

Omega JV6

Project Capacity:

300 kW

Year 2012

Demand Charge

300 Kw * 11.77 per kW-Month

AMOUNT DUE FOR:

May, 2012 -

Principal

Interest

Do Not Pay Paid by E-Pay American Municipal PWR Inc. Ray Merrill 614-540-0914



Total

\$3,496.95 \$34.05

TOTAL CHARGES

\$3,531.00

* To avoid a delayed payment charge, payment must be made to provide available funds for use by AMP, Inc on or before the due date.

Wire Transfer Information: Huntington National Bank Columbus, Ohio Account: 0189-2204055

Mailing Address: AMP, Inc. Dept. L614 Columbus, Ohio 43260

ABA: #044 000024

Bank Lock Box Deposit 14

AMOUNT

\$3,531.00

\$3,531.00

General Fund

0189-2204055

\$3,531.00

TOTAL DEPOSIT



AMERICAN MUNICIPAL POWER, INC.

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

INVOICE NUMBER:

172830

INVOICE DATE:

5/1/2012

DUE DATE:

5/15/2012

TOTAL AMOUNT DUE:

\$1,358.21

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.

> Do Not Pay Palo by E-Pay

American Municipal PWR Inc Ray Merrill 614-540-0914

Omega JV6

Project Capacity:

300 kW

Year 2012

Electric Fixed

300 Kw * 4.53 per kW-Month

<u>Total</u>

May, 2012 -

Electric Fixed

\$1,358.21

AMOUNT DUE FOR:

TOTAL CHARGES

\$1,358.21

* To avoid a delayed payment charge, payment must be made to provide available funds for use by AMP, Inc on or before the due date.

Wire Transfer Information: Huntington National Bank Columbus, Ohio Account: 0189-2204055 ABA: #044 000024

Mailing Address: AMP, Inc. Dept. L614

Columbus, Ohio 43260

Bank Lock Box Deposit

\$1,358.21

AMOUNT

General Fund

0189-2204055

\$1,358.21

TOTAL DEPOSIT

\$1,358.21

BILLING DETERMINANT	·S -	JUNE	, 2012												
JUNE, 2012 2012 - JUNE BILLING WITH MAY, 2012.	DATA BI	LLING UN	ITS												
Class and/or	Rate	May-12 # of	May-12	May-12	Billed kVa	Cost / kWH	Cost / kWH Prior 12 Mo	May-11 # of	May-11	May-11	Cost / kWH	Jul-11 # of	Jul-11	Jul-11	Cost / kWH
Schedule	Code	Bills	(kWh Usage)	Billed	of Demand	For Month	Average	Bills	(kWh Usage)	Billed	For Month	Bills	(kWh Usage)	Billed	For Month
Residential (Dom-in) Residential (Dom-in - All Electric)	E1 E2	3,331 617	1,838,146 431,078	\$204,944 68 \$47,091 46	0	\$0.1115 \$0.1092		3,334 613	2,084,086 634,376	\$226,133,96 \$66,414,96	\$0 1085 \$0 1047	3,321 620	2,178,402 416,045	\$244,736 08 \$46,656 56	\$0.1123 \$0.1121
Total Residential (Domestic)		3,948	2,269,224	\$252,036.14	٥	\$0,1111	\$0 1085	3,947	2,718,462	\$292,548.92	\$0 1076	3,941	2,594,447	\$291,392.64	\$0 1123
Residential (Rural-Out) Residential (Rural-Out - All Electric)	ER1 ER2	734 393	598,235 397,718	\$70,345 44 \$45,820 54	0	\$0 1176 \$0 1152		742 395	765,262 521,859	\$86,694.32 \$58,007.27	\$0 1133 \$0 1112	746 394	671,181 386,068	\$79,883.29 \$45,599.33	\$0 1190 \$0 1181
Residential (Rural-Out w/Dmd) Residential (Rural-Out - All Electric w/Dm	ER3 ER4	15	17,731 10,370	\$2,015 38 \$1,192 02	130 88	\$0.1137 \$0.1149		15 10	19,698 11,436	\$2,189.00 \$1,284.84	\$0 1111 \$0 1124	15 10	13,473 11,114	\$1,602.30 \$1,298.88	
Total Residential (Rural)		1,152	1,024,054	\$119,373.38	218	\$0,1166	\$0.1135	1,162	1,318,255	\$148,175.43	\$0.1124	1,165	1,081,836	\$128,383.80	\$0.1187
Commercial (1 Ph-In - No Dmd) Commercial (1 Ph-Out - No Dmd)	EC2 EC2O	72 40	35,777 10,544	\$5,062.48 \$1,719.13		\$0,1415 \$0,1630		71 39	39,305 12,883	\$5,290 43 \$1,924 32	\$0 1346 \$0 1494	71 40	35,031 9,812	\$5,033.05 \$1,652.58	\$0.1437 \$0.1684
Total Commercial (1 Ph) No Dmd		112	46,321	\$6,781.61	0	\$0.1464	\$0 1399	110	52,188	\$7,214.75	\$0 1382	111	44,843	\$6,685.63	\$0 1491
Commercial (1 Ph-In - w/Demand) Commercial (1 Ph-Out - w/Demand)	EC1 EC10	266 26	328,241 35,283	\$44,738.20 \$4,727.21	1960 200	\$0 1363 \$0 1340		263 26	354,249 45,298	\$44,816.63 \$5,603.34	\$0 1265 \$0 1237	264 26	319,560 36,443	\$44,665.13 \$5,004.59	
Total Commercial (1 Ph) w/Demand		292	363,524	\$49,465.41	2,160	\$0.1361	\$0.1296	289	399,547	\$50,419.97	\$0.1262	290	356,003	\$49,669.72	\$0 1395
Commercial (3 Ph-In - No Dmd) Commercial (3 Ph-Out - No Dmd)	EC4 EC40	0 2	0 480	\$0 00 \$92 36	0 17	\$0,0000 \$0,1924		1) 0	181 0	\$38.46 \$0.00	\$0.2125 \$0.0000	1	60[0	\$25.17 \$0.00	
Total Commercial (3 Ph) No Dmd		2	480	\$92,36	17	\$0.1924	\$0.1331	1	181	\$38,46	\$0 2125	1	60	\$25.17	\$0.4195
Commercial (3 Ph-In - w/Demand) Commercial (3 Ph-Out - w/Demand)	EC3O	198 33	1,385,048 189,179	\$162,972 55 \$23,463 18	5027 922	\$0.1177 \$0.1240		201 33	1,369,488 193,032	\$155,172.21 \$22,495.66	\$0.1133 \$0.1165	200 33	1,440,355 173,401	\$173,371.47 \$22,806.82	
Commercial (3 Ph-Out - w/Dmd,&Sub-St Commercial (3 Ph-In - w/Demand, No Tax	E3SO EC3T	1	117,720 1,960	\$13,067 39 \$230 26	431 6	\$0.1110 \$0.1175		2	154,120 1,840	\$15,983.99 \$211.30	\$0.1037 \$0.1148	2 1	139,120 1,840	\$15,471.22 \$222.05	
Total Commercial (3 Ph) w/Demand		234	1,693,907	\$199,733.38	6,386	\$0,1179	\$0.1136	237	1,718,480	\$193,863.16	\$0 1128	236	1,754,716	\$211,871.56	\$0.1207
Large Power (in - w/Dmd & Rct) Large Power (in - w/Dmd & Rct, w/SbCr)	EL1 EL2	26 1	3,566,453 12,480	\$333,792 62 \$3,473 35	7669 168	\$0.0936 \$0.2783	\$0 2457	26 1	3,460,118 10,560	\$314,337 87 \$2,641.16		26 1	3,481,526 8,160	\$323,603.24 \$1,940.84	\$0.2378
Large Power (Out - w/Dmd & Rct) Large Power (Out - w/Dmd & Rct, w/SbCr) Large Power (In - w/Dmd & Rct, w/SbCr)	EL10 EL20 EL3	1 2 2	58,320 397,200 16,800	\$7,529.26 \$40,853.20 \$2,449.96	228 1083 74	\$0.1029	\$0.0981	1 2 2	70,560 373,920 93,049	\$7,436.29 \$38,532.05 \$8,191.18	\$0.1030	1 2 2	77,940 358,080 71,703	\$9,458.91 \$38,545.15 \$14,319.22	\$0.1076
Total Large Power		32	4,051,253	\$388,098.39	9,222	\$0 0958	\$0.0932	32	4,008,207	\$371,138.55	\$0.0926	32	3,997,409	\$387,867.36	\$0.0970
industnal (in - w/Dmd & Rct, w/SbCr) industrial (in - w/Dmd & Rct, No/SbCr)	EI1 EI2	1 1	1,222,199 986,067	\$99,931 68 \$83,734 08	2218 1980	\$0 0818 \$0 0849		1	1,178,681 823,885	\$95,173,93 \$70,633.83	\$0 0807 \$0 0857	1	1,064,951 1,100,562	\$87,599 98 \$90,293 68	
Total industrial		2	2,208,266	\$183,665.76	4,198	\$0.0832	\$0 0826	2	2,002,566	\$165,807.76	\$0,0828	2	2,165,513	\$177,893.66	\$0 0821
interdepartmental (in - No Dmd) Interdepartmental (Out - No Dmd)	ED1 ED10	49 1 20	101,976 134	\$10,077 83 \$13 23		\$0 0988 \$0 0987		47	128,524 75	\$12,419.21 \$7.28	\$0 0966 \$0 0971	47 1	82,159 0	\$8,296.46 \$0.00	
Interdepartmental (in - w/Dmd) Generators (JV2 Power Cost Only) Generators (JV5 Power Cost Only)	GJV2 GJV5	20 1	255,282 99,442 13,721	\$24,655 57 \$2,810 23 \$387 76		\$0.0283	\$0,000		328,065 20,357 17,006	\$31,079.90 \$1,005.64 \$840.10	\$0 0494	20 1	299,721 14,291 12,291	\$29,494.75 \$821.88 \$706.86	\$0 0575
Total Interdepartmental		72	470,555	\$37,944.62	*		1		494,027	\$45,352.13	Ī	70		\$39,319.95	
CHE TOTAL CONSUMPTION & F	in		49.497.59	*4 997 104 55					40.754.75	A 4 4 7 5 5 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 4 6 7 6 7	1				
SUB-TOTAL CONSUMPTION & DEMAN	עו	5,846	12,127,584	\$1,237,191.05 =======	ñ	\$0 1020	\$0.1013	4 '	12,711,913	\$1,274,559.13		5,848	12,403,289	\$1,293,109.49	3
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Total Street Light Only		18	0	\$14.97		\$0,000	\$0 0000	18	0	\$14.97	\$0,0000	18	0	\$14.97	\$0 0000
TOTAL CONSUMPTION & DEMAND		5,864	12,127,584	\$1,237,206.02		\$0 1026	\$0 1013		12,711,913	\$1,274,574.10	\$0 1003			\$1,293,124.46	\$0 1043
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Part	ELECTRIC							DILLING	DETERMINAN	10							DETERMINAN	15
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Section of Part Communication (Fig. 1) and 10 to	Residential (Rural-Out)	ER1	744	917,649	\$110,785 55	\$0.1207	744	984,484	\$119,106.97	\$0.1210	745	805,210	\$87,374 95	\$0.1085	743	582,084	\$63,672.91	\$0 1094
Part	Residential (Rural-Out - All Electric)												\$49,160 86	\$0 1079	394	354,014		\$0 1078
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The properties of the plant of	Residential (Rural-Out - All Electric w/Dmr	ER4	10_	12,965		\$0 1203	10	14,096	\$1,698 19	\$0 1205	1 .	12,249	\$1,315.92	\$0 1074	10	9,978	\$1,063.88	\$0,1066
### Commerced (P Prini-1s Crad) ### Commerced (P Prini-1s Crad	Total Peridential (Pural)		1 154	1 459 723		\$0.1206	1 164	1 550 936	£100 CC7 CE	en 1200		4 300 000	6420 262 44	60 1000	4.462	057.704	6404 450 02	50 4000
promote of the Control of the Contro	rotal Residential (Rural)		1,104	1,430,723	3 (10,020.23	90 1200	1,104	1,005,020	\$ (00,507.05	30 1209	1,703	1,200,002	\$105,002.41	au.100a	1,102	957,724	\$104,158.03	\$U 1088
promote of the Control of the Contro	Commercial (1 Ph-In - No Dmd)	ËC2		38.600	\$5.667.71	\$0 1468	74	42.453	\$6,110.25	\$0 1439	70	40.716	\$5 245 76	\$0 1288	70	35 634	\$4 564 59	\$0.1281
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Commercial (PP)-QwDenning (Total Commercial (1 Ph) No Dmd		113	50,081	\$7,590.17	\$0.1516	116	53,136	\$7,929.69	\$0 1492	111	53,334	\$7,104.69	\$0 1332	110	47,613	\$6,298.20	\$0.1323
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Edustrial (in - w/Dmd & Rct. w/SbCr) E11 1 1,026,001 \$87,281.27 \$0.0851 1 1,179,590 \$101,403.56 \$0.0860 1 1,089,767 \$82,706.39 \$0.0765 1 1,164,082 \$82,090.69 \$0.0765	Large Power (in - w/Dino & Rct, w/SbCr)	ELS	2	71,150	\$12,105.55	30.1709		13,193	\$13,712.11	3 0.1636	4	13,320	\$12,555.09	\$U 1712	Z.	72,788	\$11,979.67	\$U 1646
Adustrial (in - w/Dmd & Rct, w/SbCr) Eii 1,026,001 \$87,28127 \$0.0851 1 1,179,593 \$101,403.56 \$0.0860 1 1,080,767 \$82,706.39 \$0.0765 1 1,164,062 \$82,090.66 \$0.0705	Total Large Power		32	3,958,604	\$399,007.80	\$0 1008	32	4,553,865	\$452,715.00	\$0 0994	32	4,548,151	\$401,765,94	\$0.0883	32	4.214.133	\$353,138,36	\$0.0838
idestrial (In - wDmd & Rct. No/SbCr) E12 1 875,867 \$78,825 25 \$0.0900 1 756,725 \$70,627 92 \$0.0933 1 616,170 \$55,274 79 \$0.0897 1 420,437 \$38,265,255 \$0.0910 \$1 \$756,725 \$70,627 92 \$0.0933 1 616,170 \$55,274 79 \$0.0897 1 420,437 \$38,265,255 \$0.0910 \$1 \$1,091,868 \$166,106,52 \$0.0673 2 1,936,318 \$172,031,48 \$0.0888 2 1,696,937 \$137,981,18 \$0.0613 2 1,584,499 \$120,355,94 \$0.0760 \$1 \$1,091,868 \$166,106,52 \$0.0673 2 1,936,318 \$172,031,48 \$0.0888 2 1,696,937 \$137,981,18 \$0.0613 2 1,584,499 \$120,355,94 \$0.0760 \$1 \$1,091,868 \$166,106,52 \$0.0673 2 1,936,318 \$172,031,48 \$0.0888 2 1,696,937 \$137,981,18 \$0.0613 2 1,584,499 \$120,355,94 \$0.0760 \$1.000 \$0.000 \$1 \$1,000 \$0.000 \$0.0000 \$1 \$0.000 \$0.0000 \$1 \$0.000 \$0.0000 \$1 \$0.000 \$0.0000 \$1 \$0.000 \$0.0000 \$1 \$0.000 \$0.0000 \$1 \$0.000 \$0.0000 \$1 \$0.000 \$0.0000 \$1 \$0.000 \$0.0000 \$1 \$0.000 \$0.0000 \$1 \$0.0000 \$1.000 \$0.0000 \$1 \$0.0000 \$1.000 \$0.0000 \$1 \$0.0000 \$1.0000 \$0.0000 \$1 \$0.0000 \$1.0000 \$0.0000 \$1 \$0.0000 \$1 \$0.0000 \$1.0000 \$0.0000 \$1 \$0.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.00000 \$1.0000 \$1.0000 \$1.0000 \$1.00000 \$1.00000 \$1.00000 \$1.00000 \$1.00000 \$1.00000 \$1.00000 \$1.00000 \$1.00000 \$1.00000 \$1.00000 \$1.0000000 \$1.0000000000			1 1	·	. /	*		Marantonia.			1	•				utiznier,		1
otal Industrial 2 1,901,868 \$166,106.52 \$0.0873	Industrial (In - w/Dmd & Rct, w/SbCr)		1	1,026,001	\$87,281.27	\$0 0851	1	1,179,593	\$101,403.56	\$0.0860	1	1,080,767	\$82,706 39	\$0 0765	1	1,164,062	\$82,090 69	\$0 0705
Herdepartmental (In - No Dmd) ED1 47 82,601 \$8,730 91 \$0.067 47 83,038 \$8,845 37 \$0.1065 47 81,934 \$7,566 62 \$0.0624 47 83,489 \$7,486 55 \$0.0697 18	Industrial (In - w/Dmd & Ret, No/SbCr)	EI2	1	875,867	\$78,825.25	\$0.0900	1	756 725	\$70,627.92	\$0.0933	1	616 170	\$55,274 79	\$0.0897	1	420,437	\$38,265.25	\$0.0910
Herdepartmental (In - No Dmd) ED1 47 82,601 \$8,730 91 \$0.067 47 83,036 \$8,845 37 \$0.1065 47 81,934 \$7,566 62 \$0.0924 47 83,489 \$7,486 55 \$0.0991 Nerdepartmental (In - No Dmd) ED1 1 0 \$0.00 \$0.000 1 0 \$0.000 \$0.0000 1 2 \$0.01 \$0.0950 1 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.09 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.0900 1 1 \$0.09	 				1 1444 4414	: :												<u> </u>
No.	Total Industrial		. ; 2	1,901,868	\$166,106.52	\$0.0873	. 2	1,936,318	\$172,031.48	\$0 0888	2	1,696,937	\$137,981.18	\$0.0813	2	1,584,499	\$120,355.94	\$0 0760
No.	Interdepartmental (In - No Dmd)	ED1	A7	82,601	58 730 04	\$n 1057	17	คร กรค	\$8.846.27	20 100	17	. B1 034	\$7 EGE 60	en none	77,	02 100	\$7 AGE FF	en non
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Commercial (PP-CA-No Dma) EC2C 40 14 9696 \$2.728.55 \$0.1447 40 7.77.00 \$3.057.56 \$0.1467 41 \$2.033 \$3.057.67 \$3.0407.81 \$1.0417 171 170 170 170 170 170 170 170 170 1	70 38,793	\$5,092.91 \$0
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Commercial (Phin. w/Denand) EC1 285 30,000 \$40,946.42 \$0.100 200 30,000 30,000 30,000 26 40,703 \$50,000 \$50,103 26 \$60,000 \$47,703 \$50,000 \$60,000 30,000 26 \$47,703 \$50,000 \$60,000 30,000 26 \$60,000 30,000 26 \$60,000 30,000 26 \$60,000 30,000 26 \$60,000 30,000 26 \$60,000 30,000 26 \$60,000 30,000 26 \$60,000 30,000 26 \$60,000 30,000 26 \$60,000 30,000 26 \$60,000 30,000 26 \$60,000 30,000 26 \$60,000 30,000 26 \$60,000 30,000 26 \$60,000 30,000 26 \$60,000 30,000 26 \$60,000 30,000 26 \$60,000 30,000 36,000 36,000 30,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,000 36,00	444 67 604	#7.050.44 ED
Commercial (Phys. Ac. wiDermand) 291 333,960 346,766,66 10 1361 292 346,976 347,186,19 50 1987 293 400,786 353,961,46 50 1937 202 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	111 67,624	\$7,650.11 \$0
Total Commercial (3 Ph. No. Dml)		\$44,571.76 \$0.
Commercial (3 Ph.in - No Dml)	26 43,497	\$5,192.11 \$0
Commercial (3 Phin - No Dms) ECA 1 69 526 05 31 2776 1 76 52738 50 3466 1 164 537 61 50 2293 1 Commercial (3 Phin - No Dms) ECA 2 0 530 000 2 7,600 5996 59 50 130 2 17,400 51.59 27 50 1221 2 Commercial (3 Phin - Whenand) ECA 20 1.428 965 5186,600.12 50 1881 202 1.386,360 5164,760 4 50 1889 201 13.385,262 5166,223 7 50 1221 2 Commercial (3 Phin - Whenand) ECA 202 1.428 965 5186,600.12 50 1181 202 1.386,360 5164,760 4 50 1889 201 1,385,262 5166,223 7 50 1191 192 Commercial (3 Phin - Whenand) ECA 202 1.428 965 5186,600.12 50 1185 32 355,047 840,927 13 50 1160 33 260,977 532,322 72 50 1240 33 20 20 20 20 20 20 20 20 20 20 20 20 20	292 405,018	\$49,763.87 \$0
Commercial (3 Ph.Out. ND Dmb)		· I i i i i i i i i i i i i i i i i i i
Total Commercial (3 Ph) No Dmd	1 34	\$21.74 \$0
Total Commercial (3 Ph) willoward		\$500.87 \$0
Commercial (3 Ph.Out - Wilbright Study St. 538 0. 33 2,692	3 4,274	\$522,61 \$0.
Commercial (3 Ph.Out - Wilbright Study St. 538 0. 33 2,692		
Commercial (3 Ph; Out wDmd & Sub-St. E3SO 2 278,040 \$27,883 03 \$0.008 1 74,600 \$8,183 11 \$0.097 2 146,500 \$1,003 79 \$0.108 1 1,150 \$2000 \$0.118 1 1,180 \$2000 \$0.118 1 1,180 \$2.000 \$2,000 \$0.118 1 1,180 \$2.000 \$2,000 \$0.118 1 1,180 \$2.000 \$2,000 \$2,000 \$0.118 1 1,180 \$2.000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$2,000 \$		\$157,462.71 \$0
Commercial (3 Ph-inwiDemand, No Tai, EC3T	33 255,923 2 139,440	\$28,815.88 \$0. \$14,030.63 \$0.
Large Power (In - w/Dmd & Rct)	1 2,080	\$227.76 \$0
Large Power (In - w/Dmd & Rct)		
Large Power (in - wDmad & Rct, wSbCr) EL2 1 7,680 \$2,088 1 7,680 \$2,098 25 \$0,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,0000 1 2 50,	235 1,846,291	\$200,536.98 \$0
Large Power (Dut W/Dmd & Rct.) EL10 1 66,660 \$7,920.57 \$0.1199 1 70,740 \$8,167.50 \$0.1155 1 74,340 \$8,486.31 \$0.1138 1 Large Power (Dut W/Dmd & Rct. W/SbC EL2 2 408,240 \$40,000 30.00009 2 388,000 \$30,0000 2 388,000 \$30,0000 2 341,280 \$35,953.60 \$50,0000 2 2 2 2 2 2 2 2 2	26 3,554,713	\$320,374.74 \$0
Large Power (Out - w/Dmd & Rct, w/SbC) EL2O 2 408,240 \$40,009.93 \$0.0980 2 388,800 \$39,071.25 \$0.1005 2 341,280 \$36,983.60 \$0.1005 2 341,280 \$36,983.60 \$0.1005 2 341,280 \$36,983.60 \$0.1005 2 341,280 \$36,983.60 \$0.1005 2 341,280 \$36,983.60 \$0.1005 2 341,280 \$36,983.60 \$0.1005 2 341,280 \$36,983.60 \$0.1005 2 341,280 \$36,983.60 \$0.1005 2 341,280 \$36,983.60 \$0.1005 2 341,280 \$36,983.60 \$0.1005 2 341,280 \$36,983.60 \$0.1005 2 341,280 \$36,983.60 \$0.1005 2 341,280 \$36,983.60 \$0.1005 2 341,280 \$36,983.60 \$30.0912 2 34,084.75 \$37,084.99 \$30.0912 2 34,084.75 \$37,084.99 \$30.0912 341,085.00 \$36,080 \$1 1,095,085 \$37,084.99 \$30.0913 \$1 1,095,085 \$36,080 \$1 1,095,085 \$37,084.99 \$30.0913 \$1 1,095,085 \$37,084.99 \$30.0913 \$1 1,095,085 \$37,084.99 \$30.0913 \$1 1,095,085 \$37,084.99 \$30.0913 \$1 1,095,085 \$37,084.99 \$30.0913 \$1 1,095,085 \$37,084.99 \$30.0913 \$1 1,095,085 \$37,084.99 \$30.0913 \$1 1,095,085 \$37,084.99 \$30.0913 \$1 1,095,085 \$37,094.89 \$30.0913 \$1 1,095,085 \$37,094.89 \$30.0913 \$1 1,095,085 \$37,094.89 \$30.0913 \$1 1,095,085 \$37,094.89 \$30.0913 \$1 1,095,085 \$37,094.89 \$30.0913 \$1 1,095,085 \$37,094.89 \$30.0913 \$1 1,095,085 \$37,094.89 \$30.0913 \$1 1,095,085 \$37,094.89 \$30.0913 \$1 1,095,085 \$37,094.89 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$30.0913 \$3	1] 27,840	\$3,982.24 \$0.
Large Power (In - w/Dmd & Rct, w/SbCr) EL3 2 91,064 \$8,112.52 \$0.0891 2 95,409 \$6,448.03 \$0.0885 2 83,725 \$7,634.29 \$0.0912 2 Total Large Power 32 4,064,475 \$379,318.37 \$0.0933 31 3,852,388 \$366,610.27 \$0.0952 32 3,758,614 \$371,328.94 \$0.0988 32 Industrial (In - w/Dmd & Rct, w/SbCr) El1 1 1,297,822 \$104,063.93 \$0.0802 1 1,152,314 \$96,997.92 \$0.0838 1 1,056,055 \$92,132.30 \$0.0987 1 industrial (In - w/Dmd & Rct, w/SbCr) El2 1 622,437 \$55,804.09 \$0.0896 1 537,619 \$51,638.17 \$0.0960 1 598,496 \$57,790.48 \$0.0966 1 Total Industrial (In - w/Dmd & Rct, w/SbCr) El2 1 1,920,259 \$155,864.29 \$0.0833 2 1,689,933 \$148,236.09 \$0.0877 2 1,653,551 \$149,922.78 \$0.0907 2 Interdepartmental (In - No Dmd) ED1 47 100,941 \$9.933.60 \$0.0900 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0000 1 0 \$0.0	1 73,080	\$7,724.30 \$0.
Total Large Power 32 4,064,475 \$379,318.37 \$0.0933 31 3,852,388 \$366,610.27 \$0.0952 32 3,758,614 \$371,328,94 \$0.0958 32 industrial (in - w/Dmd & Rct, w/SbCr)	2 412,560	\$38,116.77 \$0
Industrial (In - w/Dmd & Rct, w/SbC)	2 70,654	\$7,668 05 \$0
Industrial (In-w/Dmd & Rct, No/SbCr) EI2 1 622,437 \$55,800 66 \$0 0896 1 637,619 \$51,638 17 \$0 0960 1 598,496 \$57,790 48 \$0 0966 1 Total industrial 2 1,920,259 \$159,864,29 \$0 0833 2 1,689,933 \$148,236,09 \$0 0877 2 1,653,551 \$146,922,78 \$0 0907 2 Interdepartmental (In-No Dmd) ED1 47 100,941 \$9,933 60 \$0 0908 52 138,269 \$13,957.14 \$0 1009 52 149,443 \$15,180.01 \$0 1016 49 interdepartmental (Out-No Dmd) ED10 1 0 \$0.00 \$0 0000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1 0 \$0.000 1	32 4,138,847	\$377,866.10 \$0
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Interdepartmental (Out - No Dmd)	49 153.820	\$14,623.93 \$0
Interdepartmental (in - w/Dmd) ED2 20 244,968 \$23,555.93 \$0.0962 20 332,590 \$32,670.25 \$0.0982 20 344,857 \$34,168.55 \$0.0991 20 Generators (JV2 Power Cost Only) GJV2 1 19,623 \$1,158.54 \$0.0590 1 22,055 \$1,348.22 \$0.0611 1 24,574 \$1,416.94 \$0.0577 1 Generators (JV5 Power Cost Only) GJV5 1 13,497 \$796.86 \$0.0590 1 16,539 \$1,011.03 \$0.0611 1 19,402 \$1.118.72 \$0.0577 1 Total Interdepartmental 70 379,029 \$35,444.93 \$0.0935 75 509,453 \$48,986.64 \$0.0962 75 538,276 \$51,904.22 \$0.0964 72 \$0.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.00000 \$1.00000 \$1.0000 \$1.0000 \$1.0000 \$1.0000 \$1.00000 \$1.000	1 0	\$0.00 \$0
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Total Interdepartmental 70 379,029 \$35,444.93 \$0.0935 75 509,453 \$48,986.64 \$0.0962 75 538,276 \$51,904.22 \$0.0964 72 SUB-TOTAL CONSUMPTION & DEMAND 5,835 12,095,900 \$1,235,784.93 \$0.1022 5,839 12,455,618 \$1,305,823.19 \$0.1048 5,857 13,115,594 \$1,399,752.58 \$0.1067 5,874 Street Lights (in) SLO 16 0 \$14.20 \$0.0000 16 0 \$14.20 \$0.0000 16 0 \$14.20 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 0 \$0.77 \$0.0000 2 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77 \$0.0000 \$0.77	1 25 102	\$1,181.80 \$0
SUB-TOTAL CONSUMPTION & DEMAND 5,835 12,095,900 \$1,235,784.93 \$0.1022 5,839 12,455,618 \$1,305,823.19 \$0.1048 5,857 13,115,594 \$1,399,752.58 \$0.1067 5,874	1 17,745	\$835.43 \$0.
SUB-TOTAL CONSUMPTION & DEMAND 5,835 12,095,900 \$1,235,784.93 \$0.1022 5,839 12,455,618 \$1,305,823.19 \$0.1048 5,857 13,115,594 \$1,399,752.58 \$0.1067 5,874	72 581,583	\$52,361.81 SO
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TOTAL CONSUMPTION & DEMAND 5,853 12,095,900 \$1,235,799.90 \$0 1022 5,857 12,455,618 \$1,305,838.16 \$0 1048 5,875 13,115,594 \$1,399,767.55 \$0 1067 5,892		\$1,345,931.10 \$0
2012.06. II INF		

BILLING DETERMINANT	2												
JUNE, 2012 2012 - JUNE BILLING WITH MAY, 2012,	ΠΑΤΑ ΒΙ				. ,					- ,			
Class and/or Schedule	Rate Code	Apr-12 # of Bills	Apr-12 (kWh Usage)	Apr-12	Cost / kWH	May-12 # of	May-12 (kWh Usage)	May-12	Cost / kWH	Average # of	TOTAL KWH USEAGE	TOTAL BILLING	Avg.Cost Per kWH
Schedole	Code ,	Dilla	(RVVII OSAGE)	Billed	For Month	Bills	(KAAU Ozada)	Billed	For Month	Bills	PRIOR 12 MO	PRIOR 12 MO	For Period
Residential (Dom-In)	E1	3,348	2,003,331	\$191,012 70		3,331	1,838,146	\$204,944 68	\$0,1115	3,327	27 953 277	\$3,044,947.89	\$0 1089
Residential (Dom-In - All Electric)	E2	623	621,131	\$56,718.75	\$0 0913	617	431,078	\$47,091.46	\$0 1092	616	6,516,192	\$693,564.30	\$0 1064
Total Residential (Domestic)		3,971	2,624,462	\$247,731.45	\$0 0944	3,948	2,269,224	\$252,036.14	\$0 1111	3,943	34,469,469	\$3,738,512.19	\$0 1085
Residential (Rural-Out)	ER1	735	745,915	\$74.483.85	\$0.0999	734	598,235	\$70,345 44	\$0 1176	740	9,247,690	\$1,057,721 18	\$0 1144
Residential (Rural-Out - All Electric)	ER2	392	517,574	\$50,495 00			397,718	\$45,820 54	\$0 1152	393	5,851,362	\$658,719 16	\$0 1126
Residential (Rural-Out w/Dmd)	ER3	15:	29,499	\$2,799 46			17,731	\$2,015 38	\$0 1137	15	459,604	\$50,159 69	\$0 1091
Residential (Rural-Out - All Electric w/Dm	ER4	10	12,396	\$1,215 62	\$0 0981	10	10,370	\$1,192.02	\$0 1149	. 10	182,229	\$20,310 70	\$0 1115
Total Residential (Rural)		1,152	1,305,384	\$128,993.93	\$0 0988	1,152	1,024,054	\$119,373.38	\$0 1166	1,158	15,740,885	\$1,786,910.73	\$0 1135
Commercial (1 Ph-In - No Dmd)	EC2	71	34,969	\$4,111 09	\$0 1176	72	35,777	\$5,062 48	\$0.1415	70	453,567	\$61,986.10	\$0.1367
Commercial (1 Ph-Out - No Dmd)	EC2O	40	12,582	\$1,654.29	\$0 1315		10,544	\$1,719 13	\$0.1630	40	169 162	\$25,133,87	\$0 1486
Total Commercial (1 Ph) No Dmd	 	111	47,551	\$5,765.38	\$0 1212	112	46,321	\$6,781.61	\$0 1464	110	622,729	\$87,119.97	\$0 1399
Commercial (1 Ph-In - w/Demand)	EC1	266	332,747	\$36,199.19	\$0,1088	266	328,241	\$44,738.20	\$0.1363	265	4,269,851	\$550 070 49	PO 1207
Commercial (1 Ph-Out - w/Demand)	EC10	26.	41,277	\$4,346.79				\$4,727.21	\$0.1363 \$0.1340	26	478,175	\$553,979 13 \$61,245 22	\$0.1297 \$0.1281
						1					************		
Total Commercial (1 Ph) w/Demand		292	374,024	\$40,545.98			363,524	\$49,465.41	\$0.1361	291	4,748,026	\$615,224.35	\$0.1296
Commercial (3 Ph-In - No Dmd)	EC4	1	48	\$22,48			0	\$0.00	\$0 0000	0	954	\$307.12	
Commercial (3 Ph-Out - No Dmd)	EC40	<u> </u>	320	\$65.85	\$0 2058	. 2	480	\$92.36	\$0,1924	1:	25,283	\$3,186.20	\$0.1260
Total Commercial (3 Ph) No Dmd		3	368	\$88.33	\$0 2400	2	480	\$92,36	\$0 1924	1	26,237	\$3,493.32	50 1331
Commercial (3 Ph-In - w/Demand)	EC3	199	1,420,041	\$132,055 62	\$0 0930	198	1,385,048	\$162,972.55	\$0 1177	201	18,215,010	\$2,075,780.36	\$0 1140
Commercial (3 Ph-Out - w/Demand)	EC3O	33	218,197	\$20,805 52		33	189,179	\$23,463 18	\$0 1240	32	2,876,023	\$336,048.40	
Commercial (3 Ph-Out - w/Dmd.&Sub-St	E3SO	2	122,840	\$10,608 74		2		\$13,067.39	\$0 1110	1	1,789,040	\$186,425.20	
Commercial (3 Ph-In - w/Demand, No Tay	EC3T	1	2,160	\$197.97	\$0.0917	1	1,960	\$230.26	\$0.1175	1	32,920	\$3,771 22	\$0.1146
Total Commercial (3 Ph) w/Demand	• •••	235	1,763,238	\$163,667.85	\$0 0928	234	1,693,907	\$199,733.38	\$0.1179	235	22,912,993	\$2,602,025.18	\$0.1136
Large Power (in - w/Dmd & Rct)	EL1	26	3,199,396	\$256,360 63	\$0.0801	26	3,566,453	\$333,792.62	\$0 0936	25	42,257,101	\$3,847,849.33	\$0,0911
Large Power (in - w/Dmd & Rct, w/SbCr)	EL2	1,	12,960	\$2,904 46		1	12,480	\$3,473.35		1	119,520	\$29,364.76	\$0 2457
Large Power (Out - w/Dmd & Rct)	EL10	1	64,260	\$6,412.76		1.	58,320	\$7,529.26		1,	896,400	\$100,579 61	
Large Power (Out - w/Dmd & Rct, w/SbCi Large Power (In - w/Dmd & Rct, w/SbCr)		2	363,600 38,400	\$31,333 90 \$3,290.04			397,200	\$40,853.20	\$0.1029	2	4,699,680	\$460,842.42	
carge Fower (in - withing & Rut, wishon)	EL3	4	36,400	\$3,290.04	\$0.0857	2	16,800	\$2,449.96	\$0.1458	2	851,861	\$110,520 75	\$0.1297
Total Large Power		32	3,678,616	\$300,301.79	\$0.081€	32	4,051,253	\$388,098.39	\$0.0958	31	48,824,562	\$4,549,156.87	\$0 0932
Industrial (In - w/Dmd & Rct, w/SbCr)	Ei1	1	1,213,635	\$84,749.93			1,222,199	\$99,931.68	\$0 0818	1	13,949,966	\$1,115,572 67	\$0.0800
Industrial (In - w/Dmd & Rct, No/SbCr)	E12	. 1	839,632	\$60,954 68	\$0 0726	1	986,067	\$83,734.08	\$0 0849	1	9 101 056	\$788,058.11	\$0 0866
Total Industrial		2	2,053,267	\$145,704.61	\$0 0710	2	2,208,266	\$183,665.76	\$0.0832	2	23,051,022	\$1,903,630.78	\$0 0826
Interdepartmental (In - No Dmd)	ED1	49	129,323	\$10,802.95	\$0 0835	49	101,976	\$10,077.83	\$0.0988	48	1,315,517	\$127,920.58	\$0.0972
Interdepartmental (Out - No Dmd)	ED10	1	0	\$0.00			134	\$13 23		1	212	\$20 79	
Interdepartmental (in - w/Dmd)	ED2	20	312,502	\$25,411 38				\$24,655 57		20	3,598,487	\$343,607.58	
Generators (JV2 Power Cost Only)	GJV2	. 1.	20,146	\$512.72			99,442	\$2,810 23		1.	304,848	\$13,466.04	
Generators (JV5 Power Cost Only)	GJV5		14,419	\$366 96	\$0 0254	1	13,721	\$387.76	\$0.0283	11.	162,918	\$8,151.70	\$0 0500
Total interdepartmental		72	476,390	\$37,094.01	50 0779	72	470,555	\$37,944.62	50 0806	71	5,381,982	\$493,166.69	\$0 0916
					:		***************************************		4			***************************************	i
SUB-TOTAL CONSUMPTION & DEMAN	ID	5,870	12,323,300	\$1,069,893.33	2	1 1		\$1,237,191.05	\$0.1020	5,842	155,777,905	\$15,779,240.08	
		=		EECEIIIE	1	1 '				ł	*******		
Street Lights (In)	SLQ	16	. 0	\$14.20	\$0,000	16	0	\$14 20	\$0,0000	16		\$170 40	\$0,0000
Street Lights (Out)	SLOO	2	0	\$0.77	1	F	0	\$0.77			0	\$9 24	
Total Street Light Calif		40		644.07					4		***************************************		,
Total Street Light Only		18	0	\$14.97	\$0,0000	18	. 0,	\$14.97	\$0 0000	18	. 0	\$179,64	\$0,0000
				****************	-	1	***************************************				***************************************		
TOTAL CONSUMPTION & DEMAND		5,888	12,323,300	\$1,069,908.30				\$1,237,206.02	1	1	155,777,905	\$15,779,419.72	\$0 1013
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Page 4 of 4

Electric Department Report May 2012

There were 8 outage/callouts during the month of May. 1 outage was due to wind blowing a branch into power lines. 1 outage was due to lightning hitting a line fuse. 1 callout was an electric turn on at a residence. 1 was to check incoming power at Wal-Mart due to coolers and freezers without power inside their store. 1 was to reset a breaker for ball field lighting in electric panel at Oakwood Park. 1 was due to a tripped breaker on the customers side of the electric meter. 1 was to replace 2 fuses feeding power to the pump motor at the City pool. 1 outage was due to an animal in lines causing 2 fuses to blow.

Line Department / Service Truck

The line crews have been replacing 69KV transmission poles and insulators due to age and condition. One lineman and our storeroom person assisted the City Maintenance Department by diving under water to replace intake cap for irrigation pump. Crews also have removed a set of unneeded capacitors and re-closers on the distribution to clean up the system. Crews set a pole at Henry County Hospital for fiber service upgrade. Crews helped string pulling rope and hardware for the fiber optic line to solar site. Crews also assisted First Energy for a Transmission line problem across from Advanced Drainage Systems on Independence. Crews helped Tom Mack of United Way bore holes for signage at Oakwood Park. The service truck continually answers calls from residents and contractors consisting of outages, locates and service upgrades and completing the downtown light rebuild project.

Substation Department:

Todd Wachtman and Nikk Hogrefe have been programming and installing upgrades to the SCADA system, replacing lighting contactors at Glenwood and Southside Substations. Todd and Nikk have also been installing fiber lines and materials for the Solar Field Project. They have also been mowing and performing general maintenance and checks at the substations.

Forestry Department:

Jamie Howe and his newly hired assistant Thomas Miller have been working to clear lines throughout the system and cleaning up City brush.

Storeroom/Inventory/ Metering Department:

Shawn Druhot has been reading meters along with purchasing and maintaining inventory control. Shawn has been busy mowing the area around the service building & helping mow substations as needed. He also has been recycling fluorescent bulbs brought to our shop by our customers.

The Peak Load for May 2012 was 28.19 MW occurring on the 25th at 4:30 P.M. This is a decrease of .46 MW from May of 2011. The average load for May was 18.51 MW. This value was an increase of 1.58 MW from May 2011. The Turbine and JV-2 generators did not run in May. JV-5 ran on May 31st generating 5.4 MW.

City of Napoleon, Ohio



SUMMARY OF MAY 2012 OUTAGE/STANDBY CALL-OUTS

May 2, 2012:

One employee was dispatched at 8:25 p.m. to 1104 Willard St. due to a branch that broke and was laying on the secondary. The employee removed the branch.

May 7, 2012:

Two employees were dispatched at 6:30 a.m. to Road S-1 due to a power outage. The outage lasted one half hour and affected two customers. The outage was due to lightning hitting a line fuse. The employees refused the 15 amp line fuse.

May 9, 2012:

One employee was dispatched at 3:15 p.m. by City Hall to turn on electric at 45 Sutherland Ave.

May 17, 2012:

Two employees were dispatched at 5:00 p.m. to Wal-Mart and they had freezers and coolers without any power. The employees checked voltage at the X former and everything was fine on our side with good voltage.

May 18, 2012:

One employee was dispatched at 9:40 p.m. to Oakwood Park due to one bank of lights that went out. The breaker was tripped. The employee let the breaker cool down and then reset it.

May 20, 2012:

One employee was dispatched at 7:10 p.m. to 51 Sutherland Ave. due to a power outage. The outage lasted twenty minutes and affected one customer. The outage was due to the customer's breaker being tripped. The employee reset the breaker.

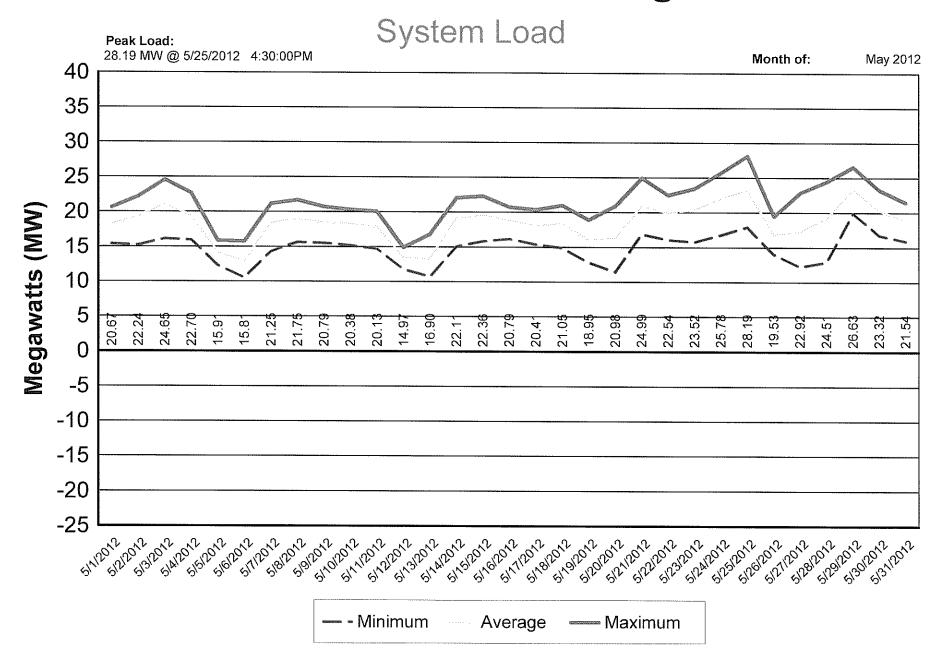
May 23, 2012:

One employee was dispatched at 7:00 p.m. to the City Pool due to two fuses being blown on the swimming pool pump. The employee replaced two 100 amp fuses and checked the amps on each leg.

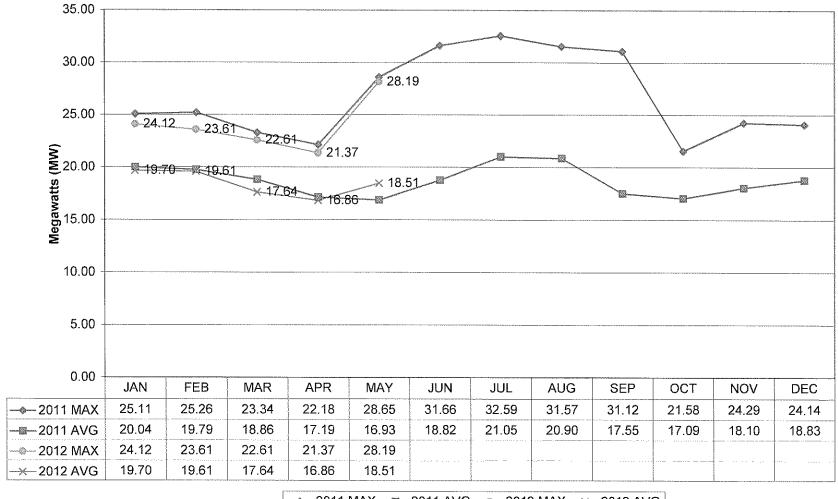
May 25, 2012:

One employee was dispatched at 8:10 p.m. to 15465 County Road M1 due to a power outage. The outage lasted thirty minutes and affected one customer. The outage was due to an animal getting into the lines and blowing a fuse. The employee replaced the 6 amp fuse at the can and the 10 amp fuse at the road.

Napoleon Power & Light



NAPOLEON POWER & LIGHT



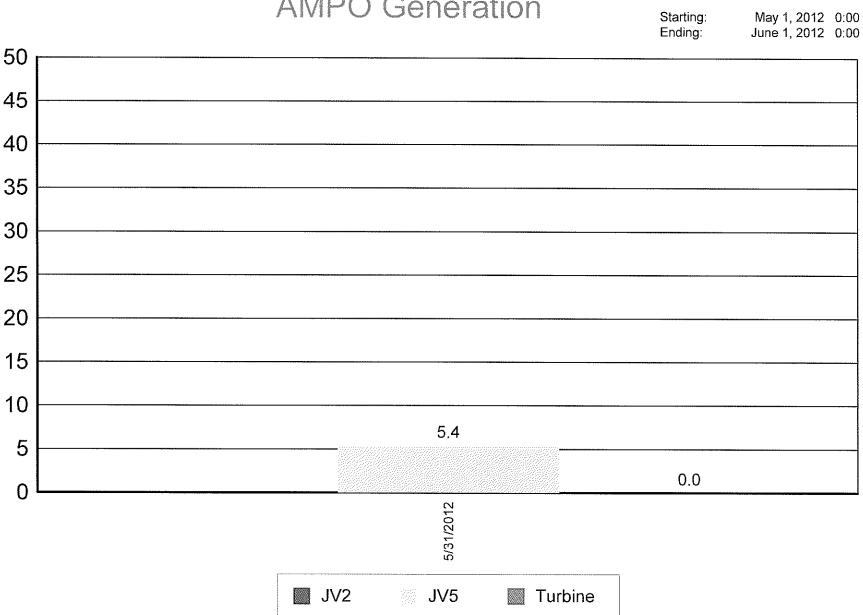
→ 2011 MAX → 2011 AVG → 2012 MAX → 2012 AVG

^{** 900-1400} residential homes served / MW average load

^{** 300-800} residential homes served / MW peak load

Napoleon Power & Light





Megawatts (MW)



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

DATE: June 8, 2012

TO: Members of BOPA

Members of Electric Committee

Members of City Council Ronald A. Behm, Mayor Jon A. Bisher, City Manager

Trevor M. Hayberger, City Law Director

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

SUBJECT: Review of Costs to Implement EcoSmart Program for the City

At the request of the Board of Public Affairs (BOPA) and the Electric Committee of City Council, our office has reviewed the potential costs to implement the proposed EcoSmart Program for the City.

Attached herewith (Please See Attached) is a written review from Lori A. Rausch, Utility Billing Supervisor, of potential costs and implementation issues for the EcoSmart Program. Below is a summary of the known potential costs:

- Programming Changes to CMI Software

\$ -0-

DH.

NOTE: The City is currently in the process of converting to a new version of the Utility Program Software from CMI, we are a BETA site. As long as the City uses the new version of software, CMI will incorporate the EcoSmart Program into it at no additional cost to the City. However, it is noted the new software will not be in full operational mode until October or November of 2012. Changes to the old software would be on a time and material basis.

- Cost of Mailing 6,000 Brochures (If mailed separate from Normal Billing) \$2,700

NOTE: AMP will cover the printing cost of the brochure. If we do a bill insert of the brochure then there is no additional mailing cost.

- Other Costs, back office, reporting, etc. (Will incorporate into Regular Process) \$ -0-

If you have any questions regarding this information, please let me know. Thank you.

Attachments

Cc: Lori Rausch, Utility Billing Supervisor

June 6, 2012 Greg,

As you have requested I have complied the information on the cost of implementing the EcoSmart Choice Program for the City of Napoleon. I contacted our software provider and asked about any additional charges or programming changes there would be to include the EcoSmart charge, on the customer's utility bill. Our, software provider Civica CMI has informed me that they have concluded that Authority (our new Utility Billing program) could handle this without a lot of problems. As long as we start the program after we are live with Authority, there will not be any charge; they will just work it into implementation. My best estimate as to being completely live with the new Authority program would be October or November 2012.

I talked to Julia Blankenship at AMP and in order to promote the program there are fliers and bill inserts that can be mailed to the customers. The City will have the cost of postage for mailing the brochures to the customers, if the City would choose to mail out the provided trifold brochure from AMP. We would need approximately 6,000 brochures with the postage rate of 0.45. The cost of postage for the brochures would be approximately 2,700.00. There is also the option of a bill insert that is 1/2 x 1 that could be inserted with the monthly Utility bills. Julia said there is no cost for either the brochure or the bill insert. The only other additional costs that she expressed would be the cost of the background work the billing office staff would need to do for figuring the charges and tracking and reporting the information.

I also called Mike Dockerty and Susan Hale at Cuyahoga Falls and they are currently using the EcoSmart Choice program. They mailed the AMP flier, used the local newspaper and City website for promoting it. They offer their customers the option of 50% or 100% participation levels in the program and currently all of their customers that participate have chosen the 100% level. They have approximately 25,000 customers and 193 have chosen to participate in the EcoSmart program, which is about 0.0077 percent of their customers.

Please let me know if there is any additional information that I can assist you with.

Thank you,

Lori A. Rausch

Utility Billing Supervisor

City of Napoleon, Ohio BOARD OF PUBLIC AFFAIRS (BOPA)

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

Meeting Agenda

Monday, June 11, 2012 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 June: Generation Charge: Residential @ \$.08026; Commercial @ \$.09498; Large Power @ \$.05323; Industrial @ \$.05323; Demand Charge Large Power @ \$13.19; Industrial @ \$14.53; JV Purchased Cost: JV2 @ \$.04030; JV5 @ \$.04030
- III. Electric Department Report
- IV. AMP EcoSmart Choice Program (Tabled)
- ٧. Any Other Items to Come Before the Board

Gregory J. Heath, Finance Director/Clerk of Council

City of Napoleon, Ohio

BOARD OF PUBLIC AFFAIRS

Special Meeting Minutes

Monday, May 14, 2012 at 6:00 PM

PRESENT

Members Electric Committee Water, Sewer Committee City Council

City Staff

Recorder Others

ABSENT

Call To Order

Approval Of Minutes

Review Of Billing Determinants

Motion To Recommend Approval Of Electric Billing Determinants

Passed Yea-3 Nav-0

Electric Department Report

Keith Engler – Chair, Tom Druhot, Mike DeWit

Travis Sheaffer - Chair (arrived at 6:10), Glenn Miller, Patrick McColley

Jeffrey Lankenau - Chair, Jim Hershberger, Chris Ridley

Glenn Miller – President, John Helberg, Travis Sheaffer, James

Hershberger, Jeffrey Lankenau, Patrick McColley, Christopher Ridley

Ronald A. Behm, Mayor

Dr. Jon A. Bisher, City Manager Dennis Clapp, Electric Superintendent Marty Crossland, Staff Engineer Trevor Hayberger, Law Director

Gregory J. Heath, Finance Director/Clerk of Council

Jeff Rathge, Operations Superintendent

Barbara Nelson

Julia Blankenship, Adam Hoff, Amber Bretland, Dale Kocarek, Steve

Lankenau, Robin Weirauch, Others

None

Chairperson Engler called the BOPA meeting to order at 6:00 PM.

The April 9, 2012, meeting minutes stand approved as presented with no objections or corrections.

The electric billing determinants for May were presented for review. Heath said Fremont Energy is on the determinants. The billing determinant program format was modified to add them in.

Motion: Druhot Second: DeWit

To recommend approval of electric billing determinants for May 2012 as

follows:

Generation Charge: Residential @ \$.07907; Commercial @ \$.09468; Large Power @ \$.05414; Industrial @ \$.05414; Demand Charge Large Power @ \$12.38; Industrial @ \$13.26; JV Purchased Cost: JV2 @

\$.02826; JV5 @ \$.02826

Roll call vote on above motion: Yea- Druhot, DeWit, Engler

Nay-

Clapp gave the Electric Department Report (attached). (Sheaffer arrived.) We're working on putting a new primary at the hospital. It's not conduit and if it went out, it could take a couple days to get power back. We will work on this in the next few weeks. We don't know the cost yet. DeWit said we should take pride in fixing something before it breaks, especially for a place like the hospital.

Motion To Untable AMP EcoSmart Choice Program

Passed Yea-3 Nay-0

AMP EcoSmart Choice Program

Motion: DeWit Second: Druhot

To remove AMP EcoSmart Choice Program from the table

Roll call vote on above motion: Yea- Druhot, DeWit, Engler

Nay-

Bisher said AMP EcoSmart Choice Program was discussed last month, but the Committees wanted to make sure Heath was up to speed on the office side. Julia Blankenship introduced herself. She has done this program for the last 7+ years. She gave a PowerPoint presentation (attached).

Blankenship said AMP plans to take funds left in the program at the end of the year and refund it to participating communities based on their kWh usage. EcoSmart Choice is an AMP brand program. There is no cost to participate in the program. It will require some more staff time to start and track this program. Successful enrollment is usually 1%-2% participation.

Bisher said the issue initially came as net metering and people said they were interested in green power. It is a fairly inexpensive way to be green. We are still working on the hardware side. Heath said it looks like there will be four rate codes (residential, etc.). CMI will have to include the computation in the program. We will probably have a monthly rate code which will be another line item on the bill. It will take some more time. The question is what happens if someone skips town. Other cities net that off the reporting. This should be written in the contract. There will be costs, but AMP will pick up a lot of it. Heath doesn't know how much. The sign-up is a formal contract. People can go in and out of the program.

Heath asked if any communities are CMI customers. Blankenship said she thinks Cuyahoga Falls and Bowling Green are. Heath said Bowling Green is not. Blankenship will check on this. Heath said it may be a \$2,000 investment. It is just an additional line on the bill. We can recover up to .2 cents per kWh. Other cities are designating a .2 difference to a separate fund for future green programs.

Bisher said we always sold our RECs and don't have to do that. Heath said this is a customer service program and will cost money. DeWit said if it's a one-time cost, it's worthwhile. Heath said he wants to get it in the flow and not treat it as an exception. He would be against it if we needed more employees to do billing, etc. The big issue will be contracts with individuals. There should be a deposit. DeWit said the cost will be about \$30 per year per customer. Bisher said it would be bigger if it was an industrial customer.

Engler requested that staff come up with specific costs if more time is needed. He doesn't want to pass something and then find out it costs more than we anticipated. He would like answers to questions regarding CMI, contracts, etc. Heath said his staff can visit Bowling Green or a city that is with CMI. DeWit said he is in favor of the program, but doesn't want to tie us up administratively.

Motion To Table AMP EcoSmart Choice Program

Passed Yea-3 Nay-0

Wind Purchase Power Agreement

Motion Not To Purchase Wind Power At This Time

Passed Yea-3 Nay-0

PUBLIC HEARING
Oberhaus Interceptor Inflow &
Infiltration Reduction Study

Motion: Druhot Second: DeWit

To table AMP EcoSmart Choice Program pending more information

Roll call vote on above motion: Yea- Druhot, DeWit, Engler

Nay

Bisher said information on the Blue Creek Wind Farm was in the packet. They offered a block of wind to AMP for 20 years. This is not an asset, but a PPA (purchase power agreement). There is a strong reason to do it and a strong reason not to. The offer got shortened to 10 years. There are some additional charges for transmission, but a good price for power overall even in 10 years. The problem is we have to finish up Gorsuch through 2014 and don't need power for the first couple years. Beyond that we will be short of power. The advantage of this power is the sooner you get it, the better. Solar RECs are hundreds of dollars and wind is \$1-\$5. DeWit asked who picks up the gap when it's not windy. We only need power from 8am - 5pm for 5 days a week from a non-interruptible power source. We could compare this rate, but it's an interruptible power source. Bisher said it's wind and that's one reason it's \$35. If this was 2014 and we were short, he would say not a bad deal; however, we are already long for 2 years. We wanted to bring it to the Committee because it was inexpensive. Engler said it may look inexpensive, but may not be inexpensive.

Motion: DeWit Second: Druhot Not to purchase wind power at this time

Roll call vote on above motion: Yea- Druhot, DeWit, Engler Nay

Bisher said part of the Long Term Control Plan (LTCP) requires reporting to the public. Adam Hoff from Stantec gave a PowerPoint presentation on the Oberhaus Interceptor Inflow & Infiltration Reduction Study (attached).

Hoff said we sent 500 invitations to this meeting to the residents this project effects and a survey. We have received 25 surveys back so far.

- Smoke used in smoke testing is non-toxic but has an odor. Residents should put a gallon of water in all drains in the house or the traps dry out. This will keep smoke from coming back in house or they can put a wet towel over the drain. They will bring highvelocity fans to houses if needed to get rid of smoke.
- 2 to 3 weeks after smoke testing, they will do dyed water testing on areas that didn't smoke but should have
- DARS Cleaning will put TV cameras into about 40% of the collection system. The total area has about 40,000 linear feet.
- DeWit asked if the downtown has been viewed yet. Hoff said this has not been done yet. Generally speaking, brick sewers are very stout. It's on our radar screen outside of the LTCP. At some point we need to look at it and consider lining it.
- Hoff said they want residents to know who they are, what they do and why. They will wear fluorescent yellow construction shirts, ID

badge, and safety vests.

There were no questions from those present. President Miller thanked Hoff for his presentation.

Sewer Tap Fees Based on Lot Size

Lulfs said Tom Zimmerman, Building Inspector, noticed that inside sewer rates on large commercial properties were figured on the size of the lot with a cap, but residentials had no cap. A house on a large lot could pay more than commercial. Zimmerman felt that residential should have a cap too. Zimmerman's memo recommends a base fee of \$87 for 7,200 sq foot lot and prorated up from there as follows: \$150 for a single family, \$300 for 2 families, \$450 for 3 families and anything beyond that is the commercial rate.

Lulfs said a large lot may not all be buildable, but is being charged on acreage. Zimmerman wants stair step caps. Lankenau said this is not a large loss of revenue. Engler said it's a good idea to be fair. We can't cap one rate and not the other.

Motion To Change The Sewer Tap Fees As Recommended

Passed Yea-3

Nay-0

Any Other Matters

Motion To Adjourn

Passed Yea-3 Nay-0

Date

Motion: DeWit Second: Druhot

To change the flat fee of \$87 to a maximum of \$150 for a single family, \$300 for two families, and \$450 for 3 families with \$87 as the base

Roll call vote on above motion: Yea- Druhot, DeWit, Engler Nav-

DeWit recommended that billing determinants should also include the Fremont Gas impact on customers. We saved \$87,905 this month in the rate. Gorsuch was .068447 and Fremont was .047870. That would be almost \$1,000,000 saved annually. The public usually hears bad news.

Motion: Druhot Second: DeWit

To adjourn the meeting at 8:03 PM

Roll call vote on above motion: Yea- Druhot, DeWit, Engler Nay-

Keith Engler, Chair

Memorandum

To: Water, Sewer, Refuse, Recycling & Litter Committee, Council, Mayor, City

Manager, City Law Director, City Finance Director, Department Supervisors

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

Date: 6/5/2012

Re: Water, Sewer, Refuse, Recycling & Litter Committee Meeting Cancellation

The Water, Sewer, Refuse, Recycling & Litter Committee, which is regularly scheduled to meet on Monday, June 11 at 7:00 PM, has been <u>CANCELED</u> due to lack of agenda items.

City of Napoleon, Ohio

Municipal Properties, Buildings, Land Use, and Economic Development Committee

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

Special Meeting Agenda

Monday, June 11, 2012 at 7:00 PM

- I. Minutes of May 14, 2012 (In the absence of any objections or corrections, the Minutes shall stand approved.)
- II. Sidewalk Issue particularly on Jahns Road
- III. Review Updated Information from Staff on Economic Development (as needed)
- IV. Any Other Matters Currently Assigned to Committee
- V. Adjournment

Gregory J. Heath, Finance Director/Clerk of Council

City of Napoleon, Ohio

Municipal Properties, Buildings, Land Use & Economic Development Committee **Meeting Minutes**

Monday, May 14, 2012 at 7:30 PM

PRESENT

Committee Members

City Staff

John Helberg - Chair, Jeff Lankenau, Patrick McColley, Mayor Ron Behm

Dr. Jon A. Bisher, City Manager Trevor Hayberger, Law Director

Gregory Heath, Finance Director/Clerk of Council

Chad Lulfs, City Engineer

Recorder

Others

Barbara Nelson

Steve Lankenau, Robin Weirauch, Joel Miller

ABSENT

Committee

None

Call To Order

Acting Chairman Lankenau called the meeting to order at 8:07 PM

Minutes Stand Approved

Minutes of the April 9, 2012 meeting stand approved as presented.

Motion To Untable Review Of Options For Holiday Inn Pump Station Elimination Project

To remove Review of Options for Holiday Inn Pump Station Elimination

Second: Mayor Behm

Project from the table

Motion: McColley

Passed

Yea-4 Nav-0 Roll call vote on above motion:

Yea- McColley, Mayor Behm, Helberg, Lankenau

Nay-

Review of Options for Holiday Inn Pump Station Elimination Project

Helberg arrived. Bisher said we plan to take out the old Holiday Inn pump station that's falling apart and do a gravity sewer instead. Lulfs said the original proposal would cost approximately \$165,000. Upsizing the pipe to 18", keeping the maximum depth and minimum slope would be about \$410,000. He was directed to look at other options. The cost to run a larger diameter pipe parallel with the creek up to 108 would cost approximately \$450,000 using open cutting. The EPA has not responded as to whether they would approve this or not. Directional drilling the main and using manholes would cost approximately \$615,000. These are ballpark numbers because they require 9 or 10 easements.

Helberg said he hates to throw away \$165,000. McColley said it would cost a lot more to do it the way we want to do it. Lankenau said if we didn't have EPA mandates, we could do it the other way. Bisher said he received inquiries from time to time on developing that area. The question is, do we put in infrastructure now and wait for development or let them build and assess it. If we spent this money, it would open up that area.

Helberg asked whether to hold the \$165,000 and wait until the first of the year to see if we can get the rest of the money in next year's budget. Bisher said if the pump station goes, we will wish we had done it now. The people that have to make this work have been trying to keep it holding on. Businesses will be shut down if the pump station goes. It's been in bad shape for 5 years. The gravity idea saves a lot of money. These are not mutually exclusive events. If we decide to move forward with development, we could bore deep and get there. Lulfs said if we were in better financial shape, he would absolutely replace the interceptor sewer. With its present condition it is imperative to get the pipe in there. He doesn't know if the pump station will last to the end of the year.

Motion To Follow Staff Recommendation For \$165,000

Second: Lankenau Motion: McColley

To follow the recommendation of staff for the estimated \$165,000 option for the Holiday Inn Pump Station Elimination Project

Lulfs said these options get us to Scott St. There will be additional costs to get to Glenwood.

Passed:

Yea-4

Nay-0

Roll call vote on above motion:

Yea- McColley, Mayor Behm, Helberg, Lankenau

Nay-

Amendment To Income Tax & CRA For Koester Corporation

Lankenau said Ralph Lange can't be here tonight, but sent a packet of information. This extends Koester's expansion completion date by 7 months due to a delay caused by the weather. They will spend \$2,750,000 instead of \$1,750,000. They already exceeded their goal on employment. Hayberger said one piece of legislation is for the CRA and extension. The other is for income tax. Both pieces of legislation need an emergency clause.

Motion To Amend Koester Agreement As Recommended

Motion: Lankenau Second: McColley

To amend the Koester agreements as requested by Ralph Lange, CIC

Director

Passed:

Yea-4

Nay-0

Roll call vote on above motion:

Yea- McColley, Mayor Behm, Helberg, Lankenau

Nav-

Review Updated Information From Staff On Economic **Development (As Needed)**

Members agreed that legislation should be brought to the next Council meeting for consideration.

Motion To Go Into Executive Session To Discuss Acquisition Bisher said there was nothing to present on this agenda item tonight.

To go into Executive Session to discuss acquisition of property.

Second: Lankenau

Of Property

Roll call vote on above motion:

Motion: McColley

Yea- McColley, Mayor Behm, Helberg, Lankenau

Nay-

Passed: Yea-4

Nay-0

Bisher said Robin Weirauch, Steve Lankenau and Joel Miller have been critical in working in the downtown area. He recommended that they be included in the first part of executive session.

Into Exec Session At 8:30 PM

The Committee went into Executive Session at 8:30 PM with Weirauch, S. Lankenau, and J. Miller.

Motion To Come Out Of

Executive Session

Motion: Lankenau Second: McColley

To come out of Executive Session

Passed:

Roll call vote on above motion:

Yea-4 Nay-0 Yea- McColley, Mayor Behm, Helberg, Lankenau

Nay

Out Of Exec Session At 9:07

The Committee came out of Executive Session at 9:07 PM.

Chairman Helberg reported that executive session was held to discuss

acquisition of property. No action was taken.

Motion To Adjourn

Motion: McColley

Second: Lankenau

To adjourn the meeting at 9:07 PM

Passed:

Roll call vote on motion:

Yea-4

Yea- McColley, Mayor Behm, Helberg, Lankenau

Nay-0 Nay-

Date

John Helberg, Chair

City of Napoleon, Ohio

RECORDS COMMISSION

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

MEETING AGENDA

Tuesday, June 12, 2012 at 4:00 PM

- I. Approval of Minutes from December 12, 2011 (In the absence of any objections or corrections, the minutes shall stand approved.)
- II. Review of Records Retention Schedules:
 - A. Law Department
- III. Review of Auditor's Best Practices for Responding to Public Records Requests (Tabled)
- IV. Update on RC-1, RC-2 & RC-3 Forms (per OHS 1/6/12 memo)
- V. Any Other Matters to Come Before the Commission.

Gregory J. Heath, Finance Director/Clerk of Council	

City of Napoleon, Ohio

RECORDS RETENTION COMMISSION

Meeting Minutes

Tuesday, December 12, 2011 at 4:00 PM

PRESENT

David Grahn, Gregory Heath, George Schmidt **Members**

None

Acting Recorder Barbara Nelson

Others

ABSENT

Mayor J. Andrew Small, Dr. Jon Bisher

Acting Chairperson Grahn called the meeting to order at 4:20PM, noting a Call To Order

quorum was present.

Minutes of the June 14 meeting stand approved as presented with no **Minutes Approved**

objections.

Those present reviewed police department's Form RC-1. **Review Of Police RC-1**

Motion To Approve Police

RC-1

Motion: Heath Second: Grahn

To approve the police department RC-1.

Passed Roll call vote on above motion: Yea-3 Yea- Grahn, Heath, Schmidt

Nay-0 Nay-

Review Of Police RC-2

A summary of changes submitted by Lt. Mack and Chief Weitzel for the

Police Department RC-2 was reviewed by those present.

Motion To Approve the

Police RC-2

Nav-0

Motion: Heath Second: Schmidt

To approve the police department RC-2.

Passed Roll call vote on above motion: Yea-3 Yea- Grahn, Heath, Schmidt

Nay-0 Nay-

Review Of Auditor's Best Practices For Responding To Public Records Requests

Heath said he included the Auditor's best practices procedures for the

Commission to review.

Motion To Table Motion: Heath Second: Schmidt

To table Review Of Auditor's Best Practices For Responding To Public

Records Requests

Passed Roll call vote on above motion: Yea-3 Yea- Grahn, Heath, Schmidt

Nay-

Other Items None Motion To Adjourn

Motion: Heath Second: Grahn
To adjourn the meeting at 4:28 PM

Roll call vote on above motion:
Yea-3
Yea- Grahn, Heath, Schmidt
Nay
Date Approved:

Mayor Ronald A Behm Chair



RECORDS RETENTION SCHEDULE (RC-2)

See instructions before completing this form.

City of Napoleon, Henry County, Ohio, City L	aw Director Department		
(local government entity)	Trevor M. Haybe	(unit) erger, City Law Director	05-31-2012
(signature of responsible official)	(name)	(title)	(date)
Section B: Records Commission			
City of Napoleon Records Commission		419.592.4010	
Records Commission		(telephone num	iber)
255 W. Riverview Avenue, Napoleon, Ohio, 4	43545 - Henry County		
(address)	(city)	(zip code)	(county)
To have this form returned to the Records Co			
To have this form returned to the Records Co. I hereby certify that our records commission relisted on this form and any continuation sheet series from being destroyed, transferred, or or disposed of which pertains to any pending leg commission. Records Commission Chair Signature	met in an open meeting, a ts. I further certify that ou otherwise disposed of in vi	s required by Section 121.22 (commission will make every epolation of these schedules and	ORC, and approved the scheo effort to prevent these records that no record will be knowin
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Section E: Records Retention Schedule

City	y of Napoleon,	Henry	County.	Ohio.	City	Law	Director	Dena	artment
Oit	y or rapoleon,	i i ciii y	County,	OHIO,	Oity	LUV	DIFCOLO	DOD	ALTHUM.

(local government entity)	(unit)	

(1) Schedule Number	(2) Record Title and Description	(3) Retention Period	(4) Media Type	(5) For use by Auditor of State or OHS-LGRP	(6) RC-3 Required by OHS- LGRP
LD-001	Legal Opinions	1 Year	All		
LD-002	Not Active				
LD-003	Pending Criminal and Traffic Electronic Filings (filed in Court)	5 Years	All		
LD-004	Not Active			* 1 14 1 14 14 14 14 14 14 14 14 14 14 14	
LD-005	Not Active				
LD-006	Weekly Calendar	Until New List Is Created	All		
LD-007	Requisitions (carbon copy)	NR/Originals In Finance Department	All		
LD-008	Not Active				
LD-009	Criminal and Traffic Files (closed)	5 Years	All	117	
LD-010	Letters in Lieu of Charges	1 Year	All		
LD-011	Correspondence (general)	6 Months	All		
LD-012	Not Active				
LD-013	Not Active				



(1) Schedule Number	(2) Record Title and Description	(3) Retention Period	(4) Media Type	(5) For use by Auditor of State or OHS- LGRP	(6) RC-3 Required by OHS- LGRP
LD-014	Not Active				
LD-015	Not Active				
LD-016	Civil Files (closed)	5 Years	All		
LD-017	Draft Copies of Documents	Until New Draft Or Original Made	All		
LD-018	Electronic Mail (including attachment(s))	NR/Originals Located in MIS Department	Electronic		
LD-019	Approval Form for Ordinances- Resolutions	2 Years	Paper		
LD-020	Not Active				
LD-021	Affidavit Maker (criminal charges)	NR/Originals Located in MIS Department	Electronic		
LD-022	Pink Notes	NR/Originals Located in MIS Department	Electronic		
LD-023	Record Retention Schedule	NR/Originals Located in Finance Department	All		
LD-024	Audio File (other than for Prosecution)	30 Days	All		
LD-025	Photographs (other than for Prosecution)	30 Days	All		
LD-026	Alchemy	NR/Originals Located in MIS Department	Electronic		



(1) Schedule Number	(2) Record Title and Description	(3) Retention Period	(4) Media Type	(5) For use by Auditor of State or OHS- LGRP	(6) RC-3 Required by OHS- LGRP
LD-027	Professional Qualifications	1 Year	All		
LD-028	Contracts	NR/Originals Located in Finance Department	Paper		
LD-029	Court Scans	NR/Originals Located in Municipal Court Department	Electronic		
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Bulletin 2011-006

Auditor of State Bulletin

Date Issued: October 21, 2011

TO: To All Public Offices and Independent Public Accountants

FROM: Dave Yost, Ohio Auditor of State

SUBJECT: Best Practices for Responding to Public Records Requests – Updated

I, Public Records

A. A Hope, a Goal, a Right

The concept of "public records" and access of the people to those records has a rich history in the United States. The Founding Fathers, under English Common Law, knew well the pitfalls and inequities of a government where the records were the property of only an elite few and access to those records was, at best, guarded. In creating this Nation, the Founding Fathers carved out many new democratic rights for citizens. Key among these rights is the ability to participate in government, and the previously unheard-of-right to inspect government records and observe government deliberations. Transparency, after all, makes a more accountable government. Although now firmly secured for Ohio citizens as a "right" by virtue of the Ohio Public Records Act (the "Act"), all public servants have a legal responsibility to ensure that both the letter and spirit of the Act are upheld.

B. What does the Ohio Public Records Act require?i

Ohio law requires that a public office make public records available for inspection or copying, depending on the request. The time required for a response depends on the type of request.

- (1) If a request is to inspect public records response must be <u>prompt</u>.
- (2) If copies are requested those copies must be provided within a <u>reasonable period of</u> time.

As is often noted, the terms "promptly" and "reasonable period of time" are not defined by a specific period of time. Rather, these terms have been interpreted by courts to mean "without delay" and "with reasonable speed," and the ultimate determination of "reasonableness" will differ in each case depending on the particular facts and circumstances of a request. Additionally, courts have held that a "prompt" or "reasonable period of time" includes the time for a public office to (1) identify the responsive records; (2) locate and retrieve records from place of storage; (3) review, analyze and make necessary redactions (or legal review); (4) prepare the requests; and (5) provide for delivery.

Not all documents and information kept by a public office is subject to disclosure under the Act. In these instances, it may be necessary to withhold records or redact the relevant information from the response. When redacting information from a request, the public office is required to notify the requester of any redaction or make the redaction plainly visible. Additionally, where the request is denied, in whole or in part, including redactions, the public office must provide the requester with a reason, including the legal authority for the denial/redaction.

C. Penalties

What happens when there has been a violation of the Act? A warning? An administrative investigation? No - neither of these items are provided for in the Act. Instead, the Act gives an "aggrieved party" the right to sue in court for the records. There is no other body that alerts a public office that an allegation of noncompliance exists or that litigation may be forthcoming. Therefore, a public office often becomes aware of an allegation of noncompliance through service of a lawsuit.

Penalties provided for in the Act can also be quite severe, depending on the nature of the noncompliance. The penalties can range from a court order to force compliance (a mandamus action) to the awarding of statutory damages, attorneys fees and court costs. In addition, if records are not properly retained in accordance with an approved record retention schedule, a public office may be fined up to \$1,000 per record. Prior to a recent law change, the amount a public office could be fined was not capped. For instance, one court fined a city approximately \$861,000 for improper destruction of public records.

Members of the Ohio General Assembly capped a public office's liability for improper destruction of public records in Ohio's recently-passed operating budget legislation – Am. Sub. House Bill 153 of the 129th General Assembly. This new cap limits a public office's liability to a cumulative total of \$10,000, regardless of the number of violations. It also limits attorney's fees to an amount not to exceed the total penalty. According to the Ohio Secretary of State's office, these changes became law on September 29, 2011.

The Ohio Supreme Court also recently clarified who may bring a lawsuit under the Act as an "aggrieved party" for improper destruction of public records. In the Court's opinion, Justice McGee Brown writes:

"The requirement of aggrievement indicates that a forfeiture is not available to 'any person' who has made a request and discovered that the records were not available due to the public office's violation of R.C. 149.351; it is available *only* to a person who made a request with the goal being to access the public records. If the goal is to seek a forfeiture, then the requester is not aggrieved. The presumption, however, is that a request for public records is made in order to access the records." *Emphasis added.*"

So, if a public office is able to establish that the requester does not actually want records being requested and instead only wants the request to be denied, then a court may conclude that the requester was not aggrieved by destruction of public records. The burden of proof, however, is on the public office to demonstrate this intent, and the risk of litigation is still high.

II. Best Practices for Compliance with the Act

Access to public records is a right that underlies the fundamental principles of democracy. A citizen's right to know how government operates is a right that needs to be protected and preserved.

Ohio public records laws are sometimes confusing, and responding to a request can be burdensome on an already burdened public office. Noncompliance with the laws, however, will be costly to taxpayers.

The Auditor of State's recommendations for best practices are not intended to add to the responsibilities of your office or to place additional burdens on you or your staff. Rather, we hope our recommendations will help a public office streamline its response process and insulate itself from liability in the event of litigation.

In reviewing the requirements of the Act, discussing the practical problems of compliance with local government officials, and also examining the multitude of new public records litigation, it has become clear that additional documentation, organization and early detection would prove beneficial to both the public office and a potential records requester.

A. Public Records Log

In seeking to achieve these goals, we recommend that each public office keep a log of all public records requests not fulfilled at the time they are made. Ideally, this log would include the following components:

- Date of request;
- Name of person or entity making the request (if provided);
- Type of records requested;
- Date of release;
- Legal authority for any redactions/withholdings; and
- Name of person fulfilling the request.

The attachment to this bulletin provides a sample of a public records log similar to one utilized in the Auditor of State's Office and other Ohio public offices. A log, however, may be in any form, e.g. a log book, a spreadsheet, or files maintained together.

It is important to note that the maintenance of such a log is not a legal requirement. Rather, it is a recommended best practice that is designed to help public entities ensure compliance with the Act.

The goal of this recommendation is not to create additional work for the public office. Instead, it is the Auditor's hope that, by maintaining all information in a central location, the response process will be streamlined, and the risk of litigation and, ultimately, liability lessened.

B. Copies of Public Records Requests

Another recommended best practice is to make copies of responses to public records requests that include redactions so you know what you have provided. These copies should be kept in accordance with your records retention schedule.

C. Other Best Practices

Other best practices recommended include the following:

- Training employees on how to handle public records requests;
- Assigning a central point of contact for your office or each division/section;
- If a request is in writing, date stamp when you receive the request;
- Notifying legal counsel when a request is received and redactions may be required;
- Acknowledging receipt of a request that requires legal review and possible redactions, include guidance on when you anticipate responding;
- Documenting when you respond to a request; and
- Addressing how long you will maintain copies of public records requests in your records retention schedule.

III. Putting the Recommendations for Best Practices to Work

A. What Does this Mean for a Public Office?

Many public offices record public records requests in some form. Additionally, many public offices have a record of what was released, the date it was released, and what, if any, redactions were made. The Auditor's recommendations for best practice simply suggest keeping all of that information in one central location.

Whether the entity's public records requests are filled by one employee or fielded by multiple staff members, the Auditor's recommendations for best practices will help ensure compliance and accuracy. Relevant employees will be able to identify duplicate or similar requests and be more efficient in the filling, redaction and response.

Finally, the Auditor's recommendations will help a public office protect itself from liability in the event of litigation. The recommended public records log would serve to demonstrate the specifics of compliance in each instance.

B. Examples

- Q. I am a county auditor fulfilling a request for a copy of a map. I am providing a copy at the time the request is made and I am not making any redactions? Am I required to log this request and keep a copy?
 - In this case, a copy of the map was immediately provided to the requestor so the Auditor's recommendation for maintaining a log would not apply. In addition, there were no required redactions so the Auditor's recommendation for keeping copies of the response would not apply.
- Q. I am a county recorder am I required to log all requests for copies of title records maintained by my office? My office makes these records available for inspection and copying in a public area of my office. Therefore, I fulfill these requests at the time they are requested.
 - Same as above in this case, these records are made readily available to the public. In addition, copies are immediately provided to the requestor so the Auditor's recommendation for maintaining a log would not apply.

Q. I am a school district treasurer for a very large school district – does the Auditor's recommended best practices require that my school hire an additional employee to handle all public records requests and maintain the log?

- No. Each public office handles its responsibilities under the Act a little bit differently. Some entities do employ a separate public records officer to coordinate and respond to all public records requests. Other entities have several employees, often one in each department/division, that respond to public records requests. Typically, these employees are not employed solely to respond to public records requests. Rather, this is one of several duties that the employee may have. The decision of how to utilize staff and resources is, ultimately, a management decision to be made by each entity. Utilization of the public records log will work in any environment.
- In this case, the school may want to assign a point of contact in each building to handle public records requests.

Q. I run a city building department. Do I need to log requests for applications for a permit and information submitted as part of that application? Do I need to log when I issue a permit?

- No. Requests for applications and issuances of permits are outside of the scope of logging recommendations.
- Public offices, however, may want to log requests for copies of permits if copies are not immediately provided to the requestor.

Q. What if I decide not to implement the Auditor's recommended best practices? Will the public office I represent be cited for noncompliance in an audit report?

 No. The Auditor's recommendations for best practice are not a legal requirement. Rather, they are suggestions to help a public office comply with the Act and limit risk. If a public office, however, lacks controls for compliance with public records requests; this may be noted in an audit report or management letter.

C. Court Records

Ohio courts are subject to the Rules of Superintendence for the Courts of Ohio, adopted by the Supreme Court of Ohio. The Rules of Superintendence establish rights and duties regarding court case documents and certain administrative documents, starting with the statement that "[c]ourt records are presumed open to public access." Sup. R. 45(A). While similar to the Act, the Rules of Superintendence contain additional or different provisions for these records. As such, this bulletin does not apply to courts. The Rules of Superintendence are available at the link below.

http://www.sconet.state.oh.us/LegalResources/Rules/superintendence/Superintendence.pdf.

IV. Putting it All Together

A. Open Government or Public Records Hotline—888.877.7760

In seeking additional ways to aid local governments in compliance, the Auditor has established an Open Government or Public Records Hotline. This hotline is a separate telephone number that links directly to the Auditor's Open Government Unit. The hotline is available to receive complaints from any person that feels he/she has been aggrieved under the Act.

After receiving a complaint, the Auditor will notify the relevant public office that a complaint has been filed. In addition, staff in the Auditor's Open Government Unit may forward the complaint to audit staff for review during an entity's next regular audit. At that point, staff in our Open Government Unit's involvement is complete. Once notified, the public office has the ability to

address the complaint. The goal of the hotline is to provide the public office with notice and the opportunity to correct any noncompliance before the onset of litigation. While we are not able to provide legal advice, we will also direct public officials to available resources to answer any questions they may have about compliance with the Act.

B. Audits

During the 2012 annual financial or bi-annual financial audit, the Auditor's staff, in a sample of public offices, will analyze a public office's process and procedures to determine if the office has controls to ensure compliance with the Act. Using a log is an example of one of these controls. This inquiry and any additional analysis will aid the Auditor's staff in analyzing any risks facing the public entity and in making recommendations to improve controls in an effort to reduce risks.

We hope these recommendations for best practices will help public offices navigate the requirements of the Act, minimize risk, and, ultimately, provide for more efficiency. Should you have any questions about these best practices, please do not hesitate to contact us at 800-282-0370.

Dave Yost/

Ohio Auditor of State

¹ This is a general overview of Act and its requirements. For a more complete look at Ohio Public Records Law, including the rights, duties and protections provided, please consult the Ohio Sunshine Manual located at http://www.auditor.state.oh.us/services/opengov/resources/2011-3-15 SunshineLawsManual CO.pdf

^{**} State ex rel. Office of Montgomery Cty. Pub. Defender v. Siroki, 108 Ohio St.3d 207, 2006-Ohio-662, at ¶16; State ex rel. Consumer News Serv., Inc. v. Worthington City Bd. of Educ., 97 Ohio St.3d 58, 2002-Ohio-5311, at ¶37; see also, State ex rel. Wadd v. City of Cleveland, 81 Ohio St.3d 50,53, 1998-Ohio-444.

wi State ex rel. Morgan v. Strickland, 121 Ohio St.3d 600, 2010-Ohio-1901 ("Given the broad scope of the records requested, the governor's office's decision to review the records before producing them, to determine whether to redact exempt matter, was not unreasonable."); State ex rel. Dispatch Printing Co. v. Johnson, 106 Ohio St.3d 160, 2005-Ohio-4384, at ¶44 (delay due to "breadth of the requests and the concerns over the employees' constitutional right of privacy" was not unreasonable); State ex rel. Consumer News Serv., Inc. v. Worthington City Bd. of Educ., 97 Ohio St.3d 58, 2002-Ohio-5311; State ex rel. Stricker v. Cline (5th Dist.), 2010-Ohio-3592 (provision of records within nine business days was a reasonable period of time to respond to a records request.); State ex rel. Holloman v. Collins (10th Dist.), 2010-Ohio-3034 (Assessing whether there has been a violation of the public records act, the critical time frame is not the number of days between when respondent received the public records request and when relator filed his action. Rather, the relevant time frame is the number of days it took for respondent to properly respond to the relator's public records request.).

¹⁷ R.C. 149.43(B)(1). ¹⁸ v R.C. 149.43(B)(3).

vi See Rhodes v. New Philadelphia, Slip Opinion No. 2011-Ohio-3279 (2011).

vii [d.

(NAME OF AGENCY/DEPARTMENT/SUBDIVISION) LOG OF PUBLIC RECORDS REQUESTS (PERIOD OF TIME COVERED BY LOG)

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20	19	18	17	16	ਹ	14	13	12	10	9	Co	7	O	5	4	ш	2			DATE
																				DATE OF RESPONSE
																				NAME OF REQUESTING PERSON OR ENTITY
																				DESCRIPTION OF RECORDS REQUESTED RECORDS
																			YES	COPY OF RELEASE RECORDS KEPT
																		·	O	OF SED VDS
		•								·									YES	EXEM
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																				EXEMPTION/ LEGAL AUTHORITY FOR REDACTION EXEMPTION/ REDACTION
	44.44																			NAME OF PERSON FULFILLING REQUEST



January 6, 2012

Dear Local Government Records Commission:

Enclosed is a copy of the Application for One-Time Disposal (RC-1) and/or the Schedule of Records Retention and Disposition (RC-2).

Please be aware that the Ohio General Assembly changed some of the records management procedures as part of House Bill 153 (the FY2012-2013 state budget). These changes, to take effect on September 29, 2011, include:

- Application for One-Time Disposal (RC-1): Records listed on RC-1 forms will not need to be listed on separate Certificates of Records Disposal (RC-3) forms.
 Instead these records may be disposed upon receipt of the RC-1 form signed by the State Archives and the State Auditor's Office.
- Schedule of Records Retention and Disposition (RC-2): Records listed on RC-2 forms may be disposed without submitting a Certificate of Records Disposal (RC-3) to the State Archives unless the State Archives has indicated on the RC-2 form that an RC-3 form should be submitted for that particular record series. The State Archives will be noting on the RC-2 form which record series will need to be included on Certificates of Records Disposal and submitted to the State Archives.

Please note that these changes do not take effect until September 29 and are therefore only for RC-1 and RC-2 forms approved by records commissions after September 29, 2011. Records that will be disposed according to RC-1 or RC-2 forms approved by records commissions before September 29, 2011 should continue to submit the Certificates of Records Disposal (RC-3 form) to the State Archives.

The State Archives has the following recommendations for local governments as the new procedures are implemented:

- Including a description of the record series on the RC-2 form will assist the State
 Archives with determining the potential historical value of the records and the
 need to submit an RC-3 for the records. The description should not only include
 what type of information is included in the records but also how the records are
 used by the office.
- If you wish to dispose of a record that is more than 50 years old, please contact the State Archives, even if the retention schedule does not require a Certificate of

(OVER)



Records Disposal. While the age of a record is not the only factor that determines historical value, in general records that are 50 years old or older are more likely to have historical value.

 Local governments should still document internally the disposal of their records, even for those series that are not required by the State Archives to be listed on Certificates of Records Disposal (RC-3 forms). Maintaining documentation on the destruction of records will assist in complying with public records requests by showing that records have been legally disposed.

More information on the changes in procedures is available on our website at http://www.ohiohistory.org/resource/lgr/. If you have any questions please don't hesitate to contact the Ohio Historical Society's Local Government Records Program at 614-297-2553 or localrecs@ohiohistory.org.



INSTRUCTIONS - FORM RC-1 (Use only for records no longer created and maintained) Section A: Local Government Unit

- Include the name of the municipality, county, township, school, library, or special taxing district (local government entity) for which the form is being submitted.
- Include the unit (department, agency, office), if applicable.
- The departmental official directly responsible for the records must sign and date the form.

Section B: Records Commission

- Complete the phone number and mailing address for the Records Commission, including the county.
- To have this form returned to the Records Commission electronically, include an email address. It is the responsibility of the Records Commission to forward an electronic or paper copy of the approved form to the appropriate department.
- The Records Commission Chairperson must sign the certification statement before it can be reviewed and signed at the Ohio Historical Society by the Local Government Records representative, and approved by the Auditor of State's Office.

Section C: Ohio Historical Society - State Archives

• The reviewing agent from the Ohio Historical Society Local Government Records Program (OHS-LGRP) will sign the form and forward it to the Auditor of State's Office.

Section D: Auditor of State

The approving agent at the Auditor of State's office will sign the form and return it to the OHS-LGRP.

Section E: Table of Records to be Disposed

- Schedule numbers can be expressed by a year and item numbering scheme for each records series being scheduled, for example, 09-1, 09-2. Another option is to include a unique abbreviated identifier for each office, for example, Eng. [Engineer] 1, Eng. 2, etc. The numbering schema is your choice.
- Include the title of the records series and a brief description of each series for which a one-time disposal is being requested. List the beginning and ending months and years covered by the records series. For example: April 1945 to May 1992.
- 3) Include the media format of the records proposed for disposal.
- 4) If retaining records in an alternate media format, include the new format. For example, if you are disposing of paper originals and retaining a certified microfilm copy, list "Microfilm" here.
- 5) For use by the Auditor of State or the OHS-LGRP.

GENERAL INSTRUCTIONS:

- For questions related to records scheduling and disposition, contact OHS-LGRP at: (614) 297-2553 or at localrecs@ohiohistory.org
- After completing sections A and E, submit the form to your records commission so it can be approved in an open meeting pursuant to Section 121.22 ORC. See Ohio Revised Code Section 149.38 (counties), 149.39 (municipalities), 149.41 (school districts), 149.411 (libraries), 149.412 (special taxing districts) and 149.42 (townships) for the composition of your records commission. Your records commission completes section B and sends the form to OHS-LGRP at:

localrecs@ohiohistory.org OR

The Ohio Historical Society State Archives of Ohio

Local Government Records Program

800 E. 17th Avenue Columbus, OH 43211-2497

- --- The OHS-LGRP will review this RC-1 and forward it to the Auditor of State's Records Officer, Columbus.
- --- This RC-1 is in effect when all signatures have been affixed to it. OHS-LGRP will return a copy of the approved form to the Records Commission. The local records commission and the originating office should retain permanent copies of the form to document legal disposal of public records.



Ohio Historical Society State Archives of Ohio Local Government Records Program

800 E. 17th Avenue Columbus, Ohio 43211-2497

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Date Received:

Date Reviewed:

Items requested for transfer:

YES NO

If YES, attach copy of transfer form

ONE-TIME DISPOSAL OF OBSOLETE RECORDS (RC-1) - Part 1

See instructions before completing this form. Must be submitted with PART 2

Section A: Local Government Uni	t		
(local government entity)		(unit)	
(signature of responsible official)	(name)	(title)	(date)
Section B: Records Commission			
	Records Comr	mission	
		(to	elephone number)
(address)	(city)	(zíp code)	(county)
To have this form returned to the Re	ecords Commission electronically	, include an email address:	
I hereby certify that our records com schedules listed on this form and ar these records series from being des will be knowingly disposed of which minutes kept by this commission.	y continuation sheets. I further c troved, transferred, or otherwise	ertify that our commission will disposed of in violation of thes	make every effort to prevent se schedules and that no recor
Records Commission Chair Signatu	re Date		
Section C: Ohio Historical Society	y - State Archives		
Signature	Title		Date
Section D: Auditor of State			
Signature			Date

Please Note: The State Archives retains RC-1 forms for seven years. It is strongly recommended that the Records Commission retain a permanent copy of this form.

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Page	of	



Ohio Historical Society State Archives of Ohio Local Government Records Program

800 E. 17th Avenue Columbus, Ohio 43211-2497

ONE-TIME DISPOSAL OF OBSOLETE RECORDS (RC-1) - Part 2

See instructions before completing this form. Must be submitted with PART 1

Section E: Table of Records to be Disposed		
(local government entity)	(unit)	

(1) Schedule Number	(2) Record Title and Description (Inclusive Dates)	(3) Media Type to be disposed	(4) Media Type to be retained	(5) For use by OHS-LGRP or Auditor of State
	·			



	For State Archives - LGRP Use Only
Date I	Reviewed:
Form	Scanned:

RECORDS RETENTION SCHEDULE (RC-2)

See instructions before completing this form.

Section A: Local Government Unit	(To complete this form	online, use "tab" key to jun	np from box to box.)		
(local government entity)	(unit)				
(signature of responsible official)	(name)	(title)	(date)		
Section B: Records Commission					
Records Commission		(telephone number)			
(address)	(city)	(zip code)	(county)		
To have this form returned to the Record	ds Commission electronically, ir	nclude an email address:			
I hereby certify that our records commis listed on this form and any continuation series from being destroyed, transferred disposed of which pertains to any pendi commission.	sheets. I further certify that our I, or otherwise disposed of in vice	commission will make every plation of these schedules an	effort to prevent these records that no record will be knowing		
Records Commission Chair Signature			Date		
Section C: Ohio Historical Society - S	state Archives				
Signature	Title		Date		
Section D: Auditor of State					
Signature			Date		

Please Note: The State Archives retains RC-2 forms permanently.

It is strongly recommended that the Records Commission retain a permanent copy of this form



Section E: Records Retention Schedule

(local government entity)	(unit)

(1) Schedule Number	(2) Record Title and Description	(3) Retention Period	(4) Media Type	(5) For use by Auditor of State or OHS-LGRP	(6) RC-3 Required by OHS- LGRP
			I		



Ohio Historical Society State Archives of Ohio Local Government Records Program 800 E. 17th Avenue Columbus, Ohio 43211-2497

INSTRUCTIONS—RC-2

Section A: Local Government Unit

- Include the name of the municipality, county, township, school, library, or special taxing district (local government entity) for which the form is being submitted.
- Include the unit (department, agency, office), if applicable.
- The departmental official directly responsible for the records must sign and date the form.

Section B: Records Commission

- Complete the phone number and mailing address for the Records Commission, including the county.
- To have this form returned to the Records Commission electronically, include an email address. It is the responsibility of the Records Commission to forward an electronic or paper copy of the approved form to the appropriate department.
- The Records Commission Chairperson must sign the certification statement before it can be reviewed and signed at the Ohio
 Historical Society by the Local Government Records representative, and approved by the Auditor of State's Office.

Section C: Ohio Historical Society - State Archives

- The reviewing agent from Ohio Historical Society Local Government Records Program (OHS-LGRP) will indicate on your RC-2 which records series will require a Certificate of Records Disposal (RC-3) prior to disposal.
- They will sign the form and forward it to the Auditor of State's Office.

Section D: Auditor of State

• The approving agent at the Auditor of State's office will sign the form and return it to the OHS-LGRP.

Section E: Records Retention Schedule

- Schedule numbers can be expressed by a year and item numbering scheme for each records series being scheduled, for example, 09-1 and 09-2. Another option is to include a unique abbreviated identifier for each office, for example, Eng. [Engineer] 1, Eng. 2, etc. The numbering schema is your choice, and it will be used later on your Certificate of Records Disposal (RC-3).
- Include the title of the records series and a brief description of each series. Please provide information about the content and use of the records series.
- Articulate a retention period for the record in terms of time (exp. six years), an action (exp. until audited), or both (six years after audit).
- 4) Include the formats of the record (paper, electronic, microfilm, etc.)
- 5) For use by the Auditor of State or the OHS-LGRP. OHS-LGRP will mark the records series that will need an RC-3 prior to disposal.

GENERAL INSTRUCTIONS:

- --- For questions related to records scheduling and disposition, OHS-LGRP: (614) 297-2553 or at localrecs@ohiohistory.org
- After completing sections A and E, submit the form to your records commission so it can be approved in an open meeting pursuant to Section 121.22 ORC. See Ohio Revised Code Section 149.38 (counties), 149.39 (municipalities), 149.41 (school districts), 149.411 (libraries), 149.412 (special taxing districts) and 149.42 (townships) for the composition of your records commission. Your records commission completes section B and sends the form to OHS-LGRP at:

localrecs@ohiohistory.org OR

The Ohio Historical Society
State Archives of Ohio
Local Government Records Archivist
800 E. 17th Avenue
Columbus, OH 43211-2497

- The OHS-LGRP will review this RC-2 and forward it to the Auditor of State's Records Officer, Columbus.
- This RC-2 is in effect when all signatures have been affixed to it. OHS-LGRP will return a copy of the approved form to the Records Commission. The local records commission and the originating office should retain permanent copies of the form to document legal disposal of public records.
- Remember, at least 15 Business days before you intend to dispose of records, submit a Certificate of Records Disposal (RC-3) to the OHS-LGRP. Copies of RC-3s will not be returned.



INSTRUCTIONS - FORM RC-3

USE OF FORM: Serves as a notification to your local records commission and to The Ohio Historical Society/State Archives, Local Government Records Program

(OHS-LGRP), that your office intends to dispose of the records listed on the form as authorized by an approved RC-2 form. It also provides an

opportunity for the OHS-LGRP to select for historical records, or to provide for other disposition under Section 149.31ORC.

WHEN TO USE: CERTIFICATION:

Prepare and send this RC-3 a minimum of fifteen (15) business days before the proposed disposal date.

This is a legal document representing compliance to the Ohio Revised Code and a commitment to maintain any microfilm master negatives

according to American National Standards Institute (ANSI) Standards when the source document is listed for disposal on this RC-3. Therefore, the

certification requires the signature of the official responsible for the records.

SUBMISSION:

Send the RC-3 to: localrecs@ohiohistory.org

The Ohio Historical Society State Archives of Ohio

Local Government Records Program

800 E. 17th Avenue

Columbus. OH 43211-2497

OHS-LGRP suggests that the records commission maintains a permanent file of all RC-3 forms.

NOTE:

You office or records commission will **not** receive a copy of the RC-3 back. Your office will be contacted if a record is selected for its historical value or if there are questions about the records listed on the form.

Page 2

(1) RECORD SERIES TITLE:

Record series title as shown on your retention schedule (RC-2). This information is critical for documenting the disposal; include

additional descriptive information if necessary to aid in the appraisal and selection process.

(2) AUTHORIZATION FOR DISPOSAL:

Schedule number marked as needing review by OHS-LGRP as shown on your approved RC-2 and the date it was approved by

your local records commission.

(3) MEDIA TYPE (DESTROYED):

Medium of the record series you are disposing of, for example, paper, film, disk, magnetic tape, optical disc.

(4) OTHER MEDIA TYPE (RETAINED)

If your government plans to retain the records series in another medium, list each type of medium in which it is being retained. For

example: microfilm, microfiche, optical disc, electronic storage, etc.

(5) INCLUSIVE DATES OF RECORDS

Enter the time period encompassed by the records being disposed of such as: Jan. 2008 to Dec. 2008, etc.

(6) PROPOSED DATE OF DISPOSAL

Enter the proposed disposal date; the OHS-LGRP has fifteen business days to review the disposal form. It is recommended that a

few extra days for mail delivery be included.

(7) FOR USE BY OHS-LGRP

OHS-LGRP may write clarifying notes or notes about possible records transfers.

NOTICE CONCERNING MEDIA AND FORMAT CHANGES

The Local Government Records Program strongly discourages the use of electronic formats for long-term retention of records unless the records are also maintained in an eye-readable format such as paper or microfilm. It is a responsibility of the local government to ensure the preservation and accessibility of any records retained in electronic format. For guidelines on electronic records issues, visit http://www.ohiohistory.org/ohiojunction/erc/.

Never use a microfilm master negative except to create a use copy from it.

OHIO HISTORY	Ohio Historical Society State Archives of Ohio Local Government Records Program
	800 E. 17 th Avenue Columbus, Ohio 43211-2497

	Page	_ of	
For State Archives -	LGRP Use	Only	
Date Received:			
Date Reviewed:			
Items requested for transfer:	YES	NO	
If YES, attach copy of transfer	form		

CERTIFICATE OF RECORDS DISPOSAL (RC-3) – Part 1

See instructions before completing this form. Must be submitted with PART 2

(local government entity)	(unit)	(contact person)	(telephone number)	(location of records)
(address)	(city)	(zip code)	(county)	(date mailed to LGRP)
Retention Schedules (RC-2) lis addition, microfilm created in pla	ted below. No reco	rd will be knowingly disposed of whecord listed on this RC-3 will be stor	I of according to the time periods statich pertains to any pending legal cased according to ANSI Standards and the preservation and accessibility	nse, claim, action or request. In ad all microfilm master negatives will
(signature of responsible official)		(title)	(telephone numb	per)
To have this form returned to the Re	cords Commission el	ectronically, include an email address:		

Please Note: The State Archives retains RC-3 forms for seven years. It is strongly recommended that the Records Commission retain a permanent copy of this form.

Form: SAO/LGRP-RC3 (part 1), Revised July 2011

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Ohio Historical Society State Archives of Ohio **Local Government Records Program**

800 E. 17th Avenue Columbus, Ohio 43211-2497

CERTIFICATE OF RECORDS DISPOSAL (RC-3) – Part 2 See instructions before completing this form. Must be submitted with PART 1.

(political subdivision name)	(unit)	

Authorization	n for Disposal	(3) Media Type To be destroyed	(4) Media Type To be retained	Inclusive Rec	Dates of ords	(6) Proposed date of destruction	(7) For OHS-LGRP use
Schedule Number	Date the RC-2 was approved by the Records		(if any)	From	То	(15 business days from receipt by OHS-LGRP)	
			A				
	Authorization Schedule Number	approved by the Records	Authorization for Disposal Schedule Number Date the RC-2 was approved by the Records Media Type To be destroyed	Authorization for Disposal Schedule Number Date the RC-2 was approved by the Records Media Type To be destroyed (if any)	Authorization for Disposal Media Type To be destroyed To be retained Schedule Number Date the RC-2 was approved by the Records Records Media Type To be retained (if any) From	Authorization for Disposal Schedule Number Date the RC-2 was approved by the Records Records Media Type To be destroyed (if any) Inclusive Dates of Records From To	Authorization for Disposal Schedule Number Date the RC-2 was approved by the Records Records Media Type To be destroyed (if any) Media Type To be retained (if any) From To (15 business days from receipt by

Form: SAO/LGRP-RC3 (part 1), Revised July 2011

Memorandum

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

Director, City Finance Director, Department Supervisors, Media

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

Date: 6/4/2012

Re: Board of Zoning Appeals Meeting Cancellation

The Board of Zoning Appeals meeting regularly scheduled for Tuesday, June 12 at 4:30 PM has been canceled due to lack of agenda items.

Memorandum

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

Finance Director, Department Supervisors, Media

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

Date: 6/4/2012

Re: Planning Commission Meeting Cancellation

The Planning Commission meeting regularly scheduled for Tuesday, June 12 at 5:00 PM has been canceled due to lack of agenda items.

Due to unforeseen circumstances at the post office, there has been a delay in distributing City of Napoleon utility bills to many residents. If you have not received your bill, please go to the City website www.napoleonohio.com and click on *Finance* and *View Utility Bills*; or contact the utility billing department at 419-599-1235. We apologize for any inconvenience this may have caused.



John R. Kasich, Governor Mary Taylor, Lt. Governor Scott J. Nally, Director

Re: Henry County

City of Napoleon NPDES Permit

May 31, 2012

Mayor and Council City of Napoleon 255 West Riverview Avenue Napoleon, Ohio 43545

Dear Mayor and Council:

On May 21, 2012, Dana Martin-Hayden, Peggy Christie and Judson Delancey inspected the Napoleon Wastewater Treatment Plant (WWTP). Mr. Matthew Bilow was present and provided operation and maintenance information. The inspection included a tour of the facility and completion of the enclosed inspection form.

During our visit, all major treatment units were in operation and the effluent being discharged to the Maumee River was a barely visible brown with no odor. Since our last inspection on May 6, 2011, there have been no exceedences of National Pollutant Discharge Elimination System (NPDES) permit limits.

Three of the staff at this facility holds a Class III operator license, which indicates a commitment on the City's part to encourage and support building a staff unit that can support the facility's Class III operator requirement. In addition, the City has a Class II Operator in Training.

Since August 11, 2010, the City of Napoleon's 2.5 million gallon per day equalization basin (EQ) and ultraviolet (UV) system have been on line. The EQ basin was able to capture and treat 12 mg of flow that would have been bypassed to the river in 2010, and 44.3 mg of flow in 2011, which was an unusually high rainfall year. From our review of your flow records during high rainfall events in May of 2011, it appears that the City is meeting one of the CSO nine minimum controls by maximizing flows through the plant at 5-6 mgd. Our letter to your facility dated May 29, 2003, states that the WWTP should be able to meet limits at 3.8 mgd, which is well under the 5-6 mgd of flow that was treated during these high flow events.

We observed that you have created a form to document sampling standard operating procedures (SOP) that communicates between shifts regarding the duration and expected volumes of the sample being collected. Our completed General Lab Criteria form is enclosed as an example of the complete documentation for laboratory activities observed during our inspection with Mr. Kent Bacon, Laboratory Technician for the city of Napoleon.

Our completed inspection report is enclosed for your records. If you have any questions, please call Dana Martin-Hayden at (419) 373-3067.

Yours truly.

Elizabeth A. Wick, P.E.

Environmental Engineer/Section Manager

Division of Surface Water

DMH/jlm Enclosures

ec: Matt Bilow, City of Napoleon

Dana Martin-Hayden, DSW-NWDO

Inspection Tracking



State of Ohio Environmental Protection Agency Northwest District Office

NPDES Compliance Inspection Report

	Section	n A: National Data	System Coding		
Permit #	NPDES#	Month/Day/Year	Inspection Type	Inspector	Facility Type
2PD00000	<u>OH20893</u>	<u>5/21/12</u>	<u>C</u>	<u>s</u>	1

Section B: Facili	ity Data		
Name and Location of Facility Inspected	Entry Time	Permit Effective Date	
Napoleon WWTP 735 East Washington Street	10:15 pm	July 1, 2009	
Napoleon, Ohio 43545	Exit Time	Permit Expiration Date	
Henry County	3:45 pm	July 31, 2013	
Name(s) and Title(s) of On-Site Representatives	PI	hone Number(s)	
Mr. Matt Bilow, Waste Water Superintendent Mr. Chad Lulfs, City Engineer	419-592-3936 419-592-4010		
Name, Address and Title of Responsible Official		Phone Number	
Mr. Matt Bilow, Waste Water Superintendent City of Napoleon 255 W. Riverview Avenue, P.O. Box 151 Napoleon, Ohio 43545		419-592-3936	

			Areas Evaluated During In: Marginal, U = Unsatisfactory,		
S	Permit	S	Flow Measurement		Pretreatment
Ş	Records/Reports	S	Laboratory	S	Compliance Schedule
S	Operations & Maintenance	S	Effluent/Receiving Waters	S	Self-Monitoring Program
S	Facility Site Review	S	Sludge Storage/Disposal	N	Other
Ν	Collection System				

Section D: Summary of Findings (Attach additional sheets if necessary)

Since August 11, 2010, the City of Napoleon has had a 2.5 million gallon per day equalization basin (EQ) and ultraviolet (UV) system on line. The EQ basin was able to treat 12 mgd of flow that would have gone to the river in 2010 and 44.3 mgd of flow in 2011, which was an unusually high rainfall year. From our review of your flow records during high rainfall events in May of 2011 it appears the plant is observing the 9 minimum controls by maximizing flows through the plant at 5-6 mgd. Our letter to your facility dated May 29, 2003 states that the WWTP should be able to meet limits at 3.8 mgd, which is well under the 5-6 mgd of flow you treated during these high flow events.

We observed that you have created a form to document sampling standard operating procedures(SOP) that communicates between shifts the duration and expected volumes of the sample being collected. I have enclosed this form as an example of the complete documentation for laboratory activities observed during our inspection with Mr. Kent Bacon, Laboratory Technician for City of Napoleon.

Inspector	Reviewer
Dara Ma hest ple 5/30/12	Thomas Pofflager 5/31/12
Dana Martin-Hayden // Date	Thomas Poffenbarger, P.E. Date
Division of Surface Water	Water Quality Engineer/ Unit Supervisor
Northwest District Office	Division of Surface Water
	Northwest District Office

Permit #: 2PD00000 NPDES #: OH20893

Sections E thru K: Complete on all inspections as appropriate Y - Yes, N - No, N/A - Not Applicable, N/E - Not Evaluated

Section E: Permit Verification

Inspection observations verify the permit

(a) Correct name and mailing address of permittee	Υ
(b) Correct name and location of receiving waters	Y
(c) Product(s) and production rates conform with permit	
application (Industries)	N/A
(d) Flows and loadings conform with NPDES permit	Υ
(e) Treatment processes are as described in permit application	Υ
(f) New treatment process(es) added since last inspection	Υ
(g) Notification given to State of new, different or increased	
discharges	N/A
(h) All discharges are permitted	Υ
(i) Number and location of discharge points are as described	
in permit	Υ

Comments/Status:

f) Spreader purchased to increase control of application rates limited by Phosphorous d) Since the EQ basin went on-line, the WWTP effluent is blended with EQ overflow during high flow. EQ basin treated 44.3 mgd that would have bypassed the plant. Plant operating around 5-6 mgd during peak wet weather. Average daily flow for WWTP in '11 was 2.5 and in '10 it was 1.5 mgd, increase due to EQ basin storage & treat.

Section F: Compliance

(a) Any significant violations since the last insp(b) Permittee is taking actions to resolve violation(c) Permittee has a compliance schedule	tions	
(d) Compliance schedule contained in	NPDES permit	
(e) Permittee is meeting compliance schedule		Υ

Comments/Status:

e) CSO schedule is in the schedule of compliance and currently they are ahead of schedule, due to funding availability.

Section G: Operation & Maintenance

Treatment Works:

Treatment facility properly operated and maintained

(a) (b) (c) (d) (e)	Standby power availablegenerator or dual feed Adequate alarm system available for power or equipment failures All treatment units in service other than backup units Wastewater Treatment Works classification (OAC 3745-7) Operator of Record holds unexpired license of class required by permit	Y Y Y Y
(f) (g) (h) (i) (j) (k) (l)	Copy of certificate of Operator of Record displayed on-site Minimum operator staffing requirements fulfilled (OAC 3745-7) Routine and preventative maintenance scheduled/performed Any major equipment breakdown since last inspection Operation and maintenance manual provided and maintained Any plant bypasses since last inspection Regulatory agency notified of bypasses On MORs and/or Spill Hotline (1-800-282-9378) Any hydraulic and/or organic overloads since last inspection	Y Y Y Y Y Y
Reco	ord Keeping:	
(a) (b)	Log book provided Format of log book (i.e. computer log, hard bound book) computer files onsite date and Operator of Record Log Book with signatures	Υ
(c) (d)	Log book(s) kept onsite (in an area protected from weather) Log book contains the following: I. Identification of treatment works	Y Y Y
(d)	IV. Laboratory results (unless documented on bench sheets) V. Identification of person making log entries Has the operator of record submitted written notification to the permittee, Ohio EPA and (if applicable) any local environmental agencies when a collection system overflow, treatment plant bypass or effluent limit violation has occurred	Y Y Y

Permit #: 2PD00000 NPDES #: OH20893

Section G: Operation & Maintenance (con't)

Collection System:

(a)	Percent combined system: approx. 25-30%	
(b)	Any collection system overflows since last inspection	Y
	(CSO ⊠ and/or SSO ⊠)	
(c)	Regulatory agency notified of overflows (SSOs)	Y
(d)	CSO O&M plan provided and implemented	Υ
(e)	CSOs monitored and reported in accordance with permit	Y
(f)	Portable pumps used to relieve system	Ν
(g)	Lift station alarms provided and maintained	Υ
(h)	Are lift stations equipped with permanent standby power	
	or equivalent	Y
(i)	Is there an inflow/infiltration problem (separate sewer system),	
	or were there any major repairs to collection system since	
	last inspection	Y
(j)	Any complaints received since last inspection of basement flooding	Υ
(k)	Are any portions of the sewer system at or near capacity	Υ

Comments/Status:

Section G: Treatment Works

- a) 2 generators available one for the WWTP & one for the EQ basin, operated weekly & load tested monthly
- e) Operators (3)Class III (1) Class II and hopefully results of test (1) Class I license
- f) PMP schedule is done through computerized work orders correlated to O&M book, tracks the operating hours of different pieces of equipment

Collection System:

- b) Jeff Marihugh keeps track of the SSOs basement flooding and wet weather
- f) portable pump availale to relieve system
- g) through SCADA pages and all phone calls
- h) all except Glenwood Estates Trailer Court at SR 6 and SR 24
- i) major work on system being done under the CSO program
- j) Jeff Rathge and Chad Lufts complete the Water in Basement (WIB) reports, 2011 they had 4 SSO's in collection system and 23 WIBs, 2012 they had 1 SSO in collection system and 2 WIBs
- k) during wet weather

Permit #: 2PD00000 NPDES #: OH20893

	Section H: Sludge Management	
(a) Subm	Sludge management plan (SMP) itted date: 1/31/02 Approval #: 03-430-PW Not submitted	N/A 🗍
(b)	Sludge management plan current	
(c)	Sludge adequately disposed(Method:Land applied/Landfill Cover)	ĭ
(d)	If sludge is incinerated, where is ash disposed of	
(e)	Is sludge disposal contracted	N/A
	(Name:)	
(f)	Has amount of sludge generated changed significantly since	
(a)	last inspection Adequate sludge storage provided at plant	N V
(g) (h)	Land application sites monitored and inspected per SMP	
(i)		Ϋ́
(j)	•	N
(k)	Is sludge adequately processed (digestion, pathogen control)	Υ
Comr	nents/Status:	
	nd applied	
1 -	least 1 year of storage	
	iewed land application records- samples collected, loading rates calc	ulated and
relate	ed to projected crop growth, rotate every 3 years (SOP).	
	Section I: Self-Monitoring Program	
Flow	Measurement:	
(a)	Primary flow measuring device operated and maintained	Υ
	of device: Ultrasonic & Parshall flume 🔲 Ultrasonic & Weir 🔲 🛚 W	'eir 🗌
Calcul	ated from influent ☐ Other ⊠(Specify:Mag Meter)	
/b\	Calibratian fraguancy adoquate	V
(b)	Calibration frequency adequate(Date of last calibration: 3/21/2011)	Y
(c)	Secondary instruments operated and maintained	Y
(d)	Flow measurement equipment adequate to handle full range	
		Υ
(e)	Actual flow discharged is measured	N
(f)	Flow measuring equipment inspection frequency	
Comn	☑Daily ☑Weekly ☑monthly ፴other nents/Status:	
*************************************	luent flow is measured only. Only instrument on site is the mag mete	r for process
contr	, , ,	. lor process
b) Ca	libration is conducted 1/year	
c) flo	w meters @pump stations	
e) Flo	bw meter is on the influent (In future blending during rain events with I	FO effluent
, ,	reviewed method of calculating EQ discharge, involves height over wont discharging)	

Permit # : 2PD00000 NPDES #: OH20893

	Section I: Self-Monitoring Program (con't)
Sam	oling:
(a) (b) (c) (d)	Sampling location(s) are as specified by permit
Labo	ratory:
Gene (a) (b) (c)	Do you have written Standard Operating Procedures (SOP's) for all Y analysis performed onsite? Do SOP's include the following if applicable:
(d) (d) (e) (f)	EPA approved analytical testing procedures used for all analysis (40 CFR 136.3, see GLC page 8). If alternate analytical procedures are used, proper approval has been obtained
	y Control/Quality Assurance Quality assurance manual provided and maintained

P in sludge, Lab n	neters analyz bioassay add	d toxicity)			Is/Oils &	Grease,	sludge,	IKN, (10
Comments/	Status:							
	Sectio	n J: Efflu	ent/Rec	eiving Wa	iter Obs	ervation	S	
Outfall Number	Outfall sign in place?	Oil sheen	Grease	Turbidity	Foam	Solids	Color	Other
001	Y	N	N	N	N	N	Barely visible brown	No odor
in wor b) Do you c) Do you d) Do you source e) Do you f) Do you	ere indication k and storag u notice stain u notice distr u see uniden es other than u notice any u see any op ged containm	e areas or ning or disc essed (unl tified dark smokesta unusual oc en or unm	by house laborato coloration healthy, smoke of cks dors or s arked dr	keeping or ries n of soils, discolored or dust clo trong cher ums, unse	r poor m paveme d, dead) uds com mical sm	aintenan nt or floo vegetatio ing from ells	N rs N on N N	

F. GUIDE - VISUAL OBSERVATION - UNIT PROCESS
OMB No. 158-R0035

RATING CODES: S = Satisfactory; U = Unsatisfactory; M = Marginal; IN = In Operation; OUT = Out of Operation

CONI	DITION OR APPEARANCE	RATING	COMMENTS
	Grounds	S	
	Buildings	S	TTANAMAMAT P
=	Potable Water Supply Protection	S	
General	Safety Features	S	Plant constructed on dike above flood plain and surrounded by a fence
e.	Bypasses	OUT	Est. to river'11(6.6mgd)'10(5.1mgd)'09(28.9 mgd)'08(36.8mgd)'07(28.2mgd)
Ö	Stormwater Overflows	OUT	The City's SSOs and CSOs were reported as inactive during this inspection
	Alternate Power Source		
	Maintenance of Collection Systems		
	Pump Station	IN	3 influent pumps
	Ventilation	IN	
ary	Bar Screen	IN	2 mechanical in parallel
Preliminary	Disposal of Screenings	S	Landfill – Henry County Landfill
ë E	Comminutor		
P.	Grit Chamber	IN	2 de-gritting chamber channels (0.5 hour/day)
	Disposal of Grit		Landfill – Henry County Landfill
	EQ basin	IN	EQ since 4/11,2.5MGD,3tanks,3 screw pumps,
	Settling Tanks	IN	2 units brown
	Scum Removal	IN	2 units – brown
rr	Sludge Removal	IN	To anaerobic digesters
Primary	Effluent	S	Clear
Pr	Emaca	3	Clear
	Digesters	IN	2 anaerobic, 1 storage tank, use VAR <38% volatiles, sample alkalinity too
	Temperature and pH	S	
=	Gas Production	S	Used to heat sludge in summer – fuel oil needed to heat in winter
00S	Heating Equipment	IN	
)isţ	Sludge Pumps	IN	5 pumps from clarifier to digester (2 primary, 3 final clairfiers)
Sludge Disposal	Drying Beds	IN	Pressed sludge stored on 2 beds & paved over lagoon, 1 bed used for vac truck
on.	Vacuum Truck		Used to clean sewers and distribution boxes of O&G and debris, dried then LF
\mathbf{x}	Disposal of Sludge	IN	Land Application (press 2 days/week)
	Sludge Storage	IN	Enough sludge storage available for at least the one year's sludge production
	Flow Meter and Recorder	IN	Influent – calibrated on 3/21/12
er	Records	<u>S</u>	Reviewed land application records, high flow influent rates and bypasses
Other	Lab Controls	S	
	Chemical Treatment	IN	Alum used for phosphorous removal (added prior to 25,582 gal aeration tank)
<u>~</u>	Bio-Towers	IN	2 Units – Plastic media, 2:1 recirculating rate
i L	Aeration Channels	IN	2 Units – with 3 blowers (rotate weekly)
Ę	Final Settling Tanks	IN	3 Units – Clear water over weirs, pin floc, algae on old tanks - new tank none
C-y-	Re-circulation Pumps	IN	4 Units, 2 high flow and 2 low flow (new pumps within last 2 years)
dar em:	Final Effluent Pumps	OUT	Used only during high river flow levels
Secondary-Tertiary List items as required			
S I B			
	Effluent	S	No odor, barely visible brown
ا ء	Disinfection System	IN	UV 10 MGD train - post EQ basin & plant final effluent, use 1/3 light banks
Disinfection	Effective Dosage	_	
life [Contact Time		
isit	Contact Tank	-	Has been crushed and filled
-	Dechlorination	-	No longer in use, UV on line
· ·			

EPA Form 7500-5 (4-72) Page 5 NWDO 3/93

Criteria	Standard Methods Require	ment		Dat:
Balance		Acce	ptable?	Rating
Standard Weights	• Either NIST Class s or ASTM/ANSI Class 1 weights ^{1,2}	Yes	☐ No	
Calibration Frequency / Documentation	 Calibration verification required at least once each day the balance is used.³ 	Yes	☐ No	
Cleanliness, air movement, vibration	 Cleanliness of balance is a must and air movement and vibration needs to be kept to a minimum¹ 	Yes	☐ No	
• Other	 Service and recalibrate annually (manufacturer representative or comparable)¹ 	Yes	☐ No	
	• Must be able to measure to 0.1 grams ⁴	Yes	☐ No	
	Instrument manual available	Yes	No	
Comments:	• Log book maintained ²	Yes	☐ No	
				i i
Criteria	Standard Methods Requiren	nent		
Criteria Drying Oven (Suspended Solids)	Standard Methods Requiren		ntable?	Rating
Criteria Drying Oven (Suspended Solids) • Temperature Recordkeeping	• Temperature recorded with each use ⁴	Acce _l	otable?	Rating
Drying Oven (Suspended Solids)	Temperature recorded with each use ⁴ Log book maintained ²	Acce		Rating
Drying Oven (Suspended Solids)	• Temperature recorded with each use ⁴	Acce _l	☐ No	Rating
Temperature Recordkeeping Calibration Frequency / Documentation	Temperature recorded with each use ⁴ Log book maintained ² Thermometer calibrated annually with NIST traceable thermometer ^{1,2} . Correction factor posted on thermometer / equipment ¹ Thermometer temperature in 0.5° C increments ⁵	Accer Yes Yes	No No	Rating
Drying Oven (Suspended Solids)Temperature RecordkeepingCalibration Frequency /	 Temperature recorded with each use⁴ Log book maintained² Thermometer calibrated annually with NIST traceable thermometer^{1,2}. Correction factor posted on thermometer / equipment¹ Thermometer temperature in 0.5° C increments⁵ Acceptable temperature range is 103° – 105° F⁴ 	Accel Yes Yes Yes	No No No	Rating
Drying Oven (Suspended Solids) Temperature Recordkeeping Calibration Frequency / Documentation	 Temperature recorded with each use⁴ Log book maintained² Thermometer calibrated annually with NIST traceable thermometer^{1,2}. Correction factor posted on thermometer / equipment¹ Thermometer temperature in 0.5° C increments⁵ Acceptable temperature range is 103° - 	Accel Yes Yes Yes Yes	No No No No No	Rating

BOSCORDO CONTROLO DE LOS DECENTACIONES DE CONTROLO DE CONTROLO DE CONTROLO DE CONTROLO	Standard Methods Require	ment		D = blos
pH Meter		Acce	ptable?	Rating
Calibration Frequency / Documentation	 Calibration verification required for testing over long period of time (e.g. 12 hrs.), or after a large number of samples (every 10 samples)³ 	⊠ Yes	□ No	
	Logbook maintained ²	⊠ Yes	□ No	
Minimum of 2 point calibration	 Calibration per manufacturer specification and calibration buffers must bracket anticipated result⁷ 	⊠ Yes	☐ No	Α
Slope Documentation / Acceptability	 Slope acceptable range indicated on benchsheet² 	⊠ Yes	□ No	
Buffer Expiration Date	Buffers must not be expired	X Yes	☐ No	
	Instrument manual available	✓ Yes	☐ No	
Other	 Teflon covered magnetic stirrer or equivalent for mixing⁸ 	⊠ Yes	☐ No	,
				i i
Criteria Dissolved Oxygen Meter	Standard Methods Requiren	Accep	otable?	Rating
	Air or known DO calibration method ¹⁰	Accep	□ No	Rating
Dissolved Oxygen Meter Calibration Method		Accep		Rating
Dissolved Oxygen Meter	 Air or known DO calibration method¹⁰ Calibration per manufacturer specification¹⁰ 	Accep	□ No	Rating
Dissolved Oxygen Meter Calibration Method Calibration Frequency /	 Air or known DO calibration method¹⁰ Calibration per manufacturer specification¹⁰ Logbook maintained² Calibration verification required at least 	Accep	No No No	Rating
Calibration Method Calibration Frequency / Documentation	 Air or known DO calibration method¹⁰ Calibration per manufacturer specification¹⁰ Logbook maintained² Calibration verification required at least once each day the meter is used.³ Small to no bubble present under membrane (must be smaller than the lead in 	Accep Yes Yes Yes Yes Yes	No No No No No	Rating

Criteria	Standard Methods Requirer	ment		D - 4:
Incubator (CBOD/ E-Coli)		Acce	ptable?	Rating
	 Temperature checked / recorded twice daily for each shelf in use¹ 	☐ Yes	□ No	
Temperature Recordkeeping	 Acceptable temperature range (CBOD) is 20° C ±1.0° ¹² 	Yes	□ No	
	• Acceptable temperature range (E-Coli) is 35° C ±0.5° ²²	☐ Yes	☐ No	
	• Logbook maintained ²	Yes	☐ No	
Temperature Calibration /	 Thermometer calibrated annually with NIST traceable thermometer^{1, 2} 	Yes	☐ No	
Documentation	 Temperature correction information posted on incubator¹ 	☐ Yes	☐ No	
 E-Coli can use multiple tubes (five 20 ml or ten 10 ml), or mfg's multi-well tray 	• E-coli Ultraviolet lamp (365 nm wave length, 6 W bulb) ²³	☐ Yes	□ No	
	Instrument manual available	Yes	☐ No	
Other	• Temperature Log (thermometer reads to 0.5 Celsius). 1	☐ Yes	☐ No	
Criterîa	Standard Methods Requiren	nent		
Refrigerator			otable?	Rating
Temperature Recordkeeping	• Temperature Log (thermometer reads to 0.5 Celsius). ⁵	Yes	□ No	
 Temperature Calibration / Documentation 	Thermometer calibrated annually with NIST traceable thermometer ^{1, 2}	Yes	□ No	
	• Thermometer held in water bath. 1	☐ Yes	□ No	
• Other	• Refrigerator temperature ≤6° Celsius. 13	☐ Yes	☐ No	
Comer	 Do not store volatile solvents, food, or beverages.¹⁴ 	☐ Yes	☐ No	
Comments:				

Criteria	Standard Methods Require	ment		D-+1
Chlorine Meter		Acce	eptable?	Rating
	• pH / millivolt meter read to 0.1 mV ¹⁵	Yes	☐ No	
 Calibration Frequency / Documentation 	 Calibration verification required for testing over long period of time (e.g. 12 hrs.), or after a large number of samples (every 10 samples)³ 	Yes	☐ No	
Calibration Method	 Calibration using three iodate solutions 0.2, 1.0, 5.0 milliliters or calibration per manufacturer specification¹⁶ 	Yes	□ No	
	Standards used for calibration not expired	Yes	☐ No	
 Slope Documentation / Acceptability 	Calibration curve (acceptable slope)	Yes	☐ No	
• Other	Electrode free of deposits and foreign material	☐ Yes	☐ No	
Oulei	 Log book being maintained.² 	Yes	☐ No	
	Instrument manual available	Yes	☐ No	
Criteria	Standard Methods Requirer	ment		
Criteria Ammonia Meter	Standard Methods Requirer	Land Company of the C	ptable?	Rating
Criteria Ammonia Meter • Calibration Frequency / Documentation	• Calibration verification required for testing over long period of time (e.g. 12 hrs.), or after a large number of samples (every 10 samples) ³	Land Company of the C	ptable?	Rating
• Calibration Frequency /	Calibration verification required for testing over long period of time (e.g. 12 hrs.), or after a large number of samples (every 10).	Accej		Rating
• Calibration Frequency /	• Calibration verification required for testing over long period of time (e.g. 12 hrs.), or after a large number of samples (every 10 samples) ³	Accer	□ No	Rating
Calibration Frequency / Documentation	 Calibration verification required for testing over long period of time (e.g. 12 hrs.), or after a large number of samples (every 10 samples)³ Log book being maintained² Verify calibration slope is acceptable (per 	Accer	□ No	Rating
Calibration Frequency / Documentation Slope acceptability	 Calibration verification required for testing over long period of time (e.g. 12 hrs.), or after a large number of samples (every 10 samples)³ Log book being maintained² Verify calibration slope is acceptable (per mfg. spec.). Standards used for calibration (3 ammonia solutions of 10 mg/l, 1 mg/l, and 0.1 mg/l) 	Accer	☐ No ☐ No ☐ No	
Calibration Frequency / Documentation Slope acceptability	 Calibration verification required for testing over long period of time (e.g. 12 hrs.), or after a large number of samples (every 10 samples)³ Log book being maintained² Verify calibration slope is acceptable (per mfg. spec.). Standards used for calibration (3 ammonia solutions of 10 mg/l, 1 mg/l, and 0.1 mg/l) or per mfg. spec.¹⁷ 	Accer	□ No □ No □ No	
Calibration Frequency / Documentation Slope acceptability	 Calibration verification required for testing over long period of time (e.g. 12 hrs.), or after a large number of samples (every 10 samples)³ Log book being maintained² Verify calibration slope is acceptable (per mfg. spec.). Standards used for calibration (3 ammonia solutions of 10 mg/l, 1 mg/l, and 0.1 mg/l) or per mfg. spec.¹⁷ Standards used for calibration not expired Electrode free of deposits and foreign material Teflon covered magnetic stirrer or 	Accer Yes Yes Yes Yes Yes	No No No No No	
Calibration Frequency / Documentation Slope acceptability Calibration Method	 Calibration verification required for testing over long period of time (e.g. 12 hrs.), or after a large number of samples (every 10 samples)³ Log book being maintained² Verify calibration slope is acceptable (per mfg. spec.). Standards used for calibration (3 ammonia solutions of 10 mg/l, 1 mg/l, and 0.1 mg/l) or per mfg. spec.¹⁷ Standards used for calibration not expired Electrode free of deposits and foreign material 	Accer Yes Yes Yes Yes Yes Yes Yes	No No No No No No	

• Chain of Custody • Chain of Custody • Other • Other • Other • Other • Comments: Log is available to support chewhen samples were started and volume of to let operator know if malfunction because Criteria Desiccator • General criteria	amples container labeled (description, ate, time, preservative added, initialed). 19 hain of custody (description, date, time, gnature). 19 omposite samples refrigerated during ample collection 14 quipment blanks utilized 14 OP for cleaning of sampling equipment or or custody. Operators have new log sheet sample expected. This was initiated to ensure the sample volume is not commiserate with Standard Methods Requires Properly working seals. Desiccant fresh (blue color) Log book being maintained 2	Yes Yes Yes Yes Yes Yes Yes Yes A Ye	ne periods are	
Criteria Criteria Criteria Desiccator General criteria Documentation Chain of Custody Comments: Log is available to support characteristic contents and volume of to let operator know if malfunction because the comments and the comments are contents and the contents are contents are contents and the contents are contents are contents and the contents are contents are contents are contents and the contents are contents.	hain of custody (description, date, time, gnature). 19 composite samples refrigerated during ample collection 14 quipment blanks utilized 14 OP for cleaning of sampling equipment blanks utilized 2 pain of custody. Operators have new log sheet sample expected. This was initiated to ensure the sample volume is not commiserate with Standard Methods Require. Properly working seals. Desiccant fresh (blue color)	Yes Yes Yes Yes Yes Yes Acce Yes Yes Yes Yes Yes Yes Yes	No No No No No No No No unicates between periods are se.	meet and
• Chain of Custody • Chain of Custody • Other • Other • Other • Other • Comments: Log is available to support chewhen samples were started and volume of to let operator know if malfunction because Criteria Desiccator • General criteria • Documentation	hain of custody (description, date, time, gnature). 19 composite samples refrigerated during ample collection 14 quipment blanks utilized 14 OP for cleaning of sampling equipment cogbook being maintained 2 coain of custody. Operators have new log sheet ample expected. This was initiated to ensure the sample volume is not commiserate with sample volume is not commiserate. Standard Methods Require. Properly working seals. Desiccant fresh (blue color)	Yes Yes Yes Yes Yes Yes Acce Yes Yes Yes Yes Yes Yes Yes	No No No No No No No No unicates between periods are se.	meet and
• Chain of Custody • Chain of Custody • Comments: Comments: Log is available to support chain when samples were started and volume of to let operator know if malfunction because Criteria Desiccator • General criteria • Documentation	gnature). 19 omposite samples refrigerated during ample collection 14 quipment blanks utilized 14 OP for cleaning of sampling equipment ogbook being maintained 2 nain of custody. Operators have new log sheet sample expected. This was initiated to ensure the sample volume is not commiserate with Standard Methods Require Properly working seals. Desiccant fresh (blue color)	Yes Yes Yes Yes Yes that comment expectations Ment Acce Yes Yes	No No No No No No unicates between periods are s. otable? No No	meet and
Other Other Other Comments: Log is available to support che when samples were started and volume of to let operator know if malfunction because Criteria Desiccator General criteria Documentation Other State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State State	ample collection ¹⁴ quipment blanks utilized ¹⁴ OP for cleaning of sampling equipment ogbook being maintained ² nain of custody. Operators have new log sheet sample expected. This was initiated to ensure the sample volume is not commiserate with Standard Methods Require Properly working seals. Desiccant fresh (blue color)	Yes Yes Yes Yes that commerce 24 hour time expectations Market Acces Yes Yes Yes	No No No No unicates between periods are s.	meet and
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Criteria Desiccator General criteria Documentation O Lo	ogbook being maintained ² nain of custody. Operators have new log shees sample expected. This was initiated to ensure the sample volume is not commiserate with Standard Methods Require Properly working seals. Desiccant fresh (blue color)	ment Acce	otable?	meet and
Criteria Criteria Ceneral criteria Documentation Comments: Log is available to support che when samples were started and volume of to let operator know if malfunction because to let operator know it is not all the let operator	sain of custody. Operators have new log sheet sample expected. This was initiated to ensure the sample volume is not commiserate with Standard Methods Require Properly working seals. Desiccant fresh (blue color)	ment Acce	ptable?	meet and
Criteria Criteria Desiccator General criteria Documentation Occumentation	Standard Methods Require Properly working seals. Desiccant fresh (blue color)	ment Acce Yes	otable?	meet and
Desiccator General criteria Documentation	Properly working seals. Desiccant fresh (blue color)	Acce	No No	Rating
• General criteria • Documentation	Desiccant fresh (blue color)	Yes Yes	No No	Nating
General criteriaDocumentation	Desiccant fresh (blue color)	Yes	□ No	
• Documentation •		+-=		
	Log book being maintained ²	Yes	☐ No	
Comments:				
Criteria	Standard Methods Requirer	T. 1000.00 at 100.000.000.000.000.000.000.000.000		Rating
Bench sheets		Acce	otable?	nating
1	ite(s) ²	☐ Yes	☐ No	
	nalyst initials ²	Yes	☐ No	
<u> </u>	ue or black ink pen²	Yes	☐ No	
	libration information ²	Yes	☐ No	
me	uations, calculations, units for all easurements, notations, and results esent ²	☐ Yes	□ No	
	prrections, single line through, initialed and	☐ Yes	□No	
Comments:	ited ²	res		

General Lab Criteria

Criteria	Standard Methods Require	ment		Datina
Hot Water Bath (Fecal Coliform/E. C		Acce	ptable?	Rating
Temperature Recordkeeping	• Temperature Log (thermometer reads 0.2° C) ²¹	☐ Yes	☐ No	:
	• Incubator temperature 44.5° C ± 0.2° ^{21/24}			
Temperature Calibration /	• Thermometer calibrated annually with NIST traceable thermometer ^{1, 2}	☐ Yes	☐ No	
Documentation	• Log book being maintained ²	☐ Yes	☐ No	
• Water Level	Thermometer total immersion or partial (line on thermometer to ID immersion depth) 1,5	Yes	□ No	
Comments:				
Criteria	Standard Methods Require	On the second of		Rating
Autoclaves/Steam Sterilizers		Acce	ptable?	Macins
All apparatus utilized is	Sterilizing temperature 121° C ²⁵	Yes	□ No	
adequately sterilized before use	• 10 to 30 minutes time based on material being sterilized ²⁶	Yes	☐ No	
Documentation	Verify the autoclave temperature weekly by using a maximum registering thermometer (MRT) to confirm that 121°C has been reached as measured in the exhaust. 1	☐ Yes	□No	
	Date, contents, sterilization time and temperature, total time in autoclave, and analyst's initials should be recorded each time the autoclave is used ¹	☐ Yes	□ No	
Temperature Calibration /	Thermometer calibrated annually with NIST traceable thermometer ^{1,2}	Yes	□ No	Alexander de la companya de la compa
Documentation	Log book being maintained ²	Yes	☐ No	
Performance Checks	 Test monthly for efficacy using a biological such as commercially available Geobacillus stearothermophilus in spore strips, suspensions, or capsules ¹ 	☐ Yes	☐ No	
Comments:				

Criteria	Standard Methods Requirement		Datina	
Final Effluent Temperature Monitori	emperature Monitoring Acceptable?		Rating	
	 Thermometer calibrated annually with NIST traceable thermometer ^{1,2} 	☐ Ye	es No	
General Criteria	• Thermometer reads in increments of at least 0.1° C 5	☐ Y€	es No	
	 Log book being maintained ² 	Ye	es No	
Comments:				
	All C C D		Acceptable	3
	Number of Criteria Ra	itea:	Marginal Unacceptable	
		T	otal Number of Areas Rated	3
Acceptable Ratings — No action required (recommend SOP's written or updated, perform DMRQA's for all onsite analysis, recommend voluntary lab analyst certification, written response not required).				
<u>Marginal Ratings</u> – Improvements required, written response required (recommend SOP's be written or updated, recommend they perform DMRQA's for all onsite analysis, recommend voluntary lab analyst certification, require deficiencies to be addressed in written response).				
<u>Unsatisfactory Rating</u> - Improvements required, written response required, NOV issued (recommend SOP's be written or updated, recommend they perform DMRQA's for all onsite analysis, recommend voluntary lab analyst certification, require deficiencies to be addressed in written response to NOV).				
Consider recommending PAI Audit from DES when: >60% of ratings are Marginal >45% of ratings are a combination of Marginal or Unacceptable >30% of ratings are Unacceptable			ceptable	

Notation of Referenced Method

1	Method 9020-B, Item 3	14	Method 1060A, Item 1
2	Method 1020-A, Item 1	15	Method 4500-CI I, Item 2
3	Method 1020-B, Item 10	16	Method 4500-CI I, Item 4
4	Method 2540-B, Item 2	17	Method 4500-NH3 D, Item 4
5	Method 2550-B, Item 1	18	Method 4500-NH3 D, Item 2
6	Method 1020-A, Item 1	19	Method 1060-B, Item 2
7	Method 4500-H B, Item 4	20	Method 1060-B, Item 1
8	Method 4500-H B, Item 2	21	Method 9222D, Item 1
9	Method 1020-B, Item 2	22	Method 9223 B, Item 2
10	Method 4500-O B, Item 3	23	Method 9223 B, Item 3
11	Method 4500-O G, Item 3	24	Method 1603, Item 2
12	Method 5210-B, Item 5	25	Method 9030-B, Item 3
13	CFR 136.3, Table II	26	Method 9020 B, Table IV
	3 4 5 6 7 8 9 10 11	 Method 1020-A, Item 1 Method 1020-B, Item 10 Method 2540-B, Item 2 Method 2550-B, Item 1 Method 1020-A, Item 1 Method 4500-H B, Item 4 Method 4500-H B, Item 2 Method 4500-O B, Item 3 Method 4500-O G, Item 3 Method 5210-B, Item 5 	2 Method 1020-A, Item 1 15 3 Method 1020-B, Item 10 16 4 Method 2540-B, Item 2 17 5 Method 2550-B, Item 1 18 6 Method 1020-A, Item 1 19 7 Method 4500-H B, Item 4 20 8 Method 4500-H B, Item 2 21 9 Method 1020-B, Item 2 22 10 Method 4500-O B, Item 3 23 11 Method 4500-O G, Item 3 24 12 Method 5210-B, Item 5 25

<u>Equipment Logbook Content</u> - all maintenance performed on a piece of equipment should be documented in the logbook. This should include parts replacement and routine maintenance activities. Entries should include date, maintenance performed and initials of person making entry.

		Preser	vation	and Holding Times		
Parameter	Container	Min. Sample Size (mL)	Sample Type	Preservation	Maximum Si Recommended	torage Time Regulatory
BOD / CBOD	P, G	1000	G, C	Refrigerate ≤6° C	6h	48h
TSS	P, G	200	G, C	Refrigerate ≤6° C	7 d	7 d
pН	P, G	50	G	Analyze immediately	0.25h	0.25 h
NH3-N	P, G	500	G, C	Analyze as soon as possible or add H₂SO₄ to pH <2, Refrigerate ≤6° C	7 d	28 d
TRC	P, G	500	G	Analyze immediately	0.25h	0.25 h
DO (electrode)	G, BOD Bottle	300	G	Analyze immediately	0.25h	0.25 h
Temperature	P, G		G	Analyze immediately	0.25h	0.25 h
Metals, general	P, G	1000	G, C	For dissolved filter immediately and add HNO₃ to pH <2	6 months	6 months
Purgeables by purge and trap	G (PTFE lined lid)	40 (X2)	G	HCl to pH<2, Refrigerate ≤6° C	7 d	14 d
Base/Neutrals and acids	G (solvent rinsed or baked)	1000	C, G	Refrigerate ≤6° C	7 d	7 days until extraction 40 days after extraction
Pesticides	G (PTFE lined lid)	1000	C	Refrigerate ≤6° C	7 d	7 days until extraction 40 days after extraction
Fecal Coliform / E- Coli	G, P (Sterilized)	100	G	Refrigerate ≤10° C If chlorine present, add sodium thiosulfate tablet	6 hrs transport within 2 hrs of	Start analysis
Oil and Grease	G	1000	G	HCl or H₂SO₄ to pH <2, Refrigerate ≤6° C	28 d	28 d

Approved St	andard Methods
CBOD / BOD 5 Day	Std Methods 5210-B
Ammonia, Selective Electrode Method	Std Methods 4500-NH3 D
Total Residual Chlorine, DPD Colorimetric Method	Std Methods 4500-Cl G
Total Suspended Solids, Dried at 103-105 °C	Std Methods 2540-D
Dissolved Oxygen, Membrane Electrode Method	Std Method 4500-O G
pH, Electrometric Method	Std Methods 4500-H+ B
Fecal Coliform, Membrane Filter Procedure	Std Methods 9222D
Escherichia Coli, Enzyme Substrate Test	Std Method 9223B
Escherichia Coli Membrane Filtration Procedure	EPA Method 1603
Oil and Grease	USEPA 1664A or Std Methods 5520B
Metals, general	USEPA 200, Std Methods 3111B or C, or 3120B
Volatiles (Purgeables by purge and trap)	USEPA 6210, Std Methods 624
Semi-Volatiles (Base/Neutrals and acids)	USEPA 6410, Std Methods 625
Pesticides	USEPA 6410 and 6630, Std Methods 608

City of NAPOLEON, Ohio

Operations Department

1775 Industrial Dr., P.O. Box 151, Napoleon, OH 43545

Phone: 419/599-1891 Fax: 419/592-4379



Memorandum

To: Chad E. Lulfs, P.E., P.S. Director of Public Works From: Jeffrey H. Rathge, Operations Superintendent

Date: May 22, 2012

Subject: 2012 Spring Clean Up Summary

Please find below the cost breakdown of the 2012 Spring Seasonal Clean Up.

LABOR

 City
 403.25 regular time man-hours
 \$11,598.82

 Trustees
 116 regular time man-hours
 \$ N/C

 TOTAL:
 \$11,598.82

(The wages reflect actual wages per hour per man, plus 38.5% for benefits & longevity)

TRUCK RENTAL (VIKING TRUCKING)

44 truck hours (quin)	\$69.00/hour	\$3,036.00
48 truck hours (semi)	\$73.00/hour	\$3,504.00
8 truck hours (tri-axle)	\$62.00/hour	\$ 496.00
36 truck hours (quad)	\$65.00/hour	\$2,340.00
TOTAL:		\$9,376.00

CITY EQUIPMENT

TOTAL:			\$8,115.00
refuse truck	37 hours	\$50.00/hour	\$1,850.00
small dump-2 ea	77 hours	\$25.00/hour	\$1,925.00
service truck	40 hours	\$15.00/hour	\$ 600.00
end loader-2 ea	68 hours	\$55.00/hour	\$3,740.00

(prices reflect cost without operator)

LANDFILL

TOTAL:	97 loads	202.85 tons @ 43.75	\$8,874.69
April 27	9 loads	21.14 tons @ 43.75	<u>\$ 924.88</u>
April 26	21 loads	49.37 tons @ 43.75	\$2,159.94
April 25	21 loads	44.20 tons @ 43.75	\$1,933.75
April 24	23 loads	47.14 tons @ 43.75	\$2,062.38
April 23	23 loads	41.00 tons @ 43.75	\$1,793.75

April 23	5 loads	1.57 net tons @ 261.00	\$409.77
April 24	4 loads	1.73 net tons @ 261.00	\$451.53
April 25	4 loads	2.03 net tons @ 261.00	\$529.83
April 26	4 loads	2.84 net tons @ 261.00	\$741.24
April 27	2 loads	.38 net tons @ 261.00	\$ 99.18
TOTAL:	19 loads	8.55 net tons @ 261.00	\$2,231.55
3 FREON APPLIANCES 0.13 tons @ 261.00 = 1 REFRIGERATOR @ \$10.00 = 2 AIR CONDITIONERS @ \$6.00 = TOTAL			\$33.93 -\$10.00 <u>-\$12.00</u> \$11.93

<u>HENRY CO. LANDFILL- tires</u>
65 Passenger tires @ 2780 lbs. @ 0.03/lb./ea. = \$83.40

CUMULATIVE TOTALS

Labor:	\$11,598.82
Truck Rental:	\$ 9,376.00
City Equipment:	\$8,115.00
Landfill:	\$8,875.50
Freon Disposal:	\$22.00
Tire Disposal:	<u>\$83.40</u>
SUBTOTAL:	\$38070.72
Metal Reimbursement:	\$2,243.48
GRAND TOTAL:	\$35,827.24

Total from Spring 2011 was: \$37,759.17

June 1, 2012

AFEC weekly update: High output, generation

By Craig Kleinhenz – manager of power supply planning

AFEC saw very high output over Memorial Day weekend. Temperatures over 90 degrees every day during the holiday weekend resulted in high power prices, which kept the plant running at full load including duct burners for the three days.

For the week, Fremont had an 82 percent load factor with last Friday and this Tuesday coming close to 90 percent. Temperatures decreased as the week went on causing the plant to be scheduled offline by PJM on Wednesday night through Thursday morning. This is the first time since the spring outage that the plant was dispatched offline during the overnight hours.

For the week, the Day Ahead 7x16 market prices at the plant location averaged \$36.98/MWh, which was more than \$15/MWh higher than the dispatch cost of the AFEC base capacity and more than \$10/MWh higher than the cost of AFEC duct burners.

Finance and accounting meeting in Salem, Va.

By J.C. Speiser – member credit and compliance analyst

The finance and accounting meeting was held Thursday in Salem, Va. with 10 attendees from four member communities and one representative from Blue Ridge Power Agency. Following a continental breakfast and time for networking, Dawn Lund, vice president of Utility Financial Solutions, led a discussion on the importance of implementing a cash reserve policy followed by a question and answer session.

After that, Eric Lloyd, director of marketing and member relations, updated members on the operation of AFEC as well as upcoming wind and solar projects. Following Eric, Chris Deeter, senior director member credit compliance, discussed the AMP Fremont Energy Center (AFEC) qualified service area questionnaire sent to member participants and discussed the expected project's permanent financing plan for the second quarter of 2012.

Rounding out the morning, I updated members on the recent changes to AMP's credit scoring program. After lunch, Jim Moore, principal, Kensington Capital Advisors and AMP derivatives advisor, gave an overview of the fundamentals of interest rates and markets. The next finance and accounting meeting will be held on Aug. 9 in Johnstown, Pa. If you have any questions, you can reach me at either 614.540.0967 or jspeiser@amppartners.org.

Volatility in energy market continues

By Craig Kleinhenz – manager of power supply planning

The last month and a half has been a time of extreme volatility for natural gas prices. The month started with prices near \$1.90 / MMBtu and rallied to close to \$2.80 / MMBtu.

This week healthy storage numbers and expected mild summer temperatures helped to push prices back down. This led July natural gas prices to finish the week down \$0.33 / MMBtu to finish trading yesterday at \$2.42 / MMBtu. Electric prices dropped as well this week with 2013 on-peak electric prices at AD Hub finishing yesterday down \$0.62 / MWh to close the week at \$40.54 / MWh.

Public power mourns loss

By Jolene Thompson – AMP senior vice president/OMEA executive director

Arthur U. "Art" Magee, 75, former mayor of the City of Hubbard, passed away May 28.

Magee served as mayor of Hubbard from 1974-

1983 and 2003-2009. During his first terms as mayor, he was instrumental in bringing the voice of elected officials to AMP efforts to advocate for improved transmission access.

During his second terms as mayor, he served on the OMEA Board of Directors. Magee was elected to OMEA Honorary Membership status in 1991. He was an ardent supporter of public power throughout his career.



Art Magee Oct. 18, 1936 -May 28, 2012

A 1955 graduate of Hubbard High School, Magee attended Youngstown State University. In addition to his terms as mayor, he also served on the Hubbard City Council. He was a Trumbull County Commissioner for 16 years and worked for Aqua Ohio for three years. When he announced he was stepping down as mayor in December 2009, Magee cited health reasons.

A veteran of the U.S. Marine Corps., Magee was buried at Hubbard Union Cemetery with full military honors provided by Trumbull County American Legion Honor Guard. He is survived by his wife of 50 years, children and grandchildren.

AMP and OMEA extend their condolences to Magee's family, friends and co-workers in Hubbard.



News or Ads?

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

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

Week ending June 1				
MON \$40.00	TUE \$59.75	WED \$37.75	THU \$31.00	FRI \$30.25
Week ending May 25				
MON \$36.00	TUE \$35.00	WED \$35.25	THU \$40.50	FRI \$42.00
AEP/Dayton 2012 5x16 price as of June 1 — \$40.54				

AEP/Dayton 2012 5x16 price as of May 25 — \$ 41.16



Reaching out to community Damon Knight, community and small business outreach manager for Efficiency Smart, passes out free CFLs and information kits to electric customers of Eldorado Municipal Light, Sewer & Refuse during a Bill-Pay-Give-Away event in April. The Eldorado event is one of many outreach activities taking place during 2012 as part of Efficiency Smart's enhanced community outreach and smaller business initiative. Watch for more information on these efforts in future issues of *Update*.

Interest sparks class addition

By Jennifer Flockerzie – GIS coordinator

Due to member interest, an Advanced class has been added to the lineworker class schedule.

Both classes will be identical and the alternate dates were added to accommodate all those wishing to attend. With the added class, we have openings at all levels, with limited availability in Basic 2, Intermediate, and both Advanced.

The scheduled dates for the program are:

Class	Dates	
Basic 1	June 4 – 8	
Basic 2	Sept. 10 – 14	
Intermediate	June 18 – 22	
Advanced	Aug. 6 – 10	
Advanced	Sept. 24 – 28	

The class fee this year is \$975 per person per week. If you have any questions or need additional information, please contact Bob Rumbaugh or Michelle Palmer by phone at 614.540.1111 or through email at rrumbaugh@amppartners.org or mpalmer@amppartners.org.

Be on alert for bill-paying scam targeting utility customers

By Krista Selvage – manager of publications

According to an alert issued by the American Public Power Association, municipal utilities and their customers should be on the lookout for a multi-state scam making its way across the country.

The scam aims to steal payments and identity information using in-person solicitation, social media, fliers, phone calls and text messages. Scammers have been targeting utility customers throughout the U.S., with victims reported in California, Illinois, Tennessee, Texas and Florida.

Memphis Light, Gas and Water estimates about 1,000 customers have been victimized by the scam, said Communications & PR Supervisor Glen Thomas. Florida Power & Light Co. reports that about 4,500 customers have fallen victim.

The Better Business Bureau reports that under the scam, con artists posing as utility company representatives are telling customers that President Obama has approved special funding through the Federal Reserve Bank for utility bill assistance. No such funding program exists.

Scammers are asking customers for personal information, such as Social Security identification numbers, through automated phone calls, in person door-to-door visits, and online solicitation. They then provide victims with a fraudulent bank routing number for them to pay their utility bills.

Anyone with information regarding this scam should contact local law enforcement authorities.



June 8—APPA RP3 second-session webinar

Aug. 9—AMP finance and accounting subcommittee meeting

Holiday Inn-Johnstown, Johnstown, Pa.

Sept. 6—AMP finance and accounting subcommittee meeting

Fort Piqua Plaza Banquet Center, Piqua

Oct. 22-25—AMP/OMEA Conference InterContinental Hotel, Cleveland

Nov. 29—AMP finance and accounting subcommittee meeting AMP Headquarters, Columbus

American Municipal Power
1111 Schrock Road,
Columbus, Ohio 43229
614.540.1111 • FAX 614.540.1113
www.amppartners.org

Update Classifieds

Applications for broadband technician are being sought

The Princeton Electric Plant Board in Princeton, K.Y. is currently seeking applicants for broadband technician. The primary goal of the broadband technician is to provide and maintain high quality and reliable service to all PEPB wireless and fiber internet customers. The position is responsible for all aspects of the operation and maintenance of the wireless and fiber internet, AMI (TWACS), and SCADA system. Duties and responsibilities for this position include but are not limited to the following:

- Scheduling appointments and performing on-site commercial and residential internet installations.
- Installation, maintenance, removal, and rearrangement of antennas, coaxial cables, Ethernet cables, modems, and other equipment necessary to the operation of the wireless internet system.
- Upgrading, downgrading, and monitoring the customer's level of internet service and keeping accurate and current customer records and accounts.
- Maintenance and operation of the email system to include adding/deleting email addresses, changing passwords, maintaining and using mass mailing lists, etc.
- Maintenance and operation of the wireless and fiber broadband internet system.

Qualifications of the successful applicant will include an associate degree (AA) from a college or technical school or equivalent, completion of a certified program is preferred, a minimum of five years experience, a valid KY driver's license, and have the ability to become certified by wireless and fiber broadband equipment providers.

This position requires 24 hour standby rotation and relocation to within an 8 mile radius of the Caldwell County Courthouse. The position requires frequent travel to customer's homes and businesses, exposure to heights, and exposure to extreme weather conditions.

Candidates for this position must be physically, mentally, and psychologically able to perform all of the required duties. Position requires physical strength, finger and limb dexterity, and mobility. Candidates must have the ability to work off of a ladder or other structures at various elevations, or work in confined locations such as a crawl space for extended periods of time. Candidates must also be able to lift and relocate materials weighing up to 90 pounds.

The Princeton Electric Plant Board is an EEO/mf employer that offers a competitive compensation and benefits package including paid vacation, sick leave, and participation in the Kentucky County Employees Retirement system. This is a full time 40 hour per week position.

Pre-employment testing will be required of the successful applicant. Applications will be filed with John Humphries, Princeton Electric Plant Board, P.O. Box 608, Princeton, Kentucky 42445. Deadline for filing of application is June 30, 2012.

Journeyman lineworker position open in Grafton

The Village of Grafton is seeking qualified applicants for the position of journeyman lineworker. Applicants may pick up an application from 960 Main St., Grafton, Oh 44044. Applications and Motor Vehicle Request (MVR) form must be completely filled out and returned no later than 12:00 p.m. (noon) June 15, 2012.

Job requirements: licensed journeyman/lineworker, ability to perform: switching, hot line work, rebuild lines, install metering, splice and install underground conductors, construct/maintain and repair overhead and underground electric distribution lines up to 12,470 volts; operate amp meters, volt meters, phase meters, and cable locators. Must be able to assist in design, layout and procurement of materials; and read and interpret blueprints and respond to trouble calls at any time of the day. Able to complete and pass a physical and drug screen, ability to stand/walk for extended periods of time in any weather condition, ability to lift 75 lbs, climb poles, work any day of the week to include weekends and holidays, ability to operate machinery and sit stationary for extended duration on equipment. Ability to wear all required safety equipment and comply with local, state and federal laws.

Desired: four years of technical training and one year as a qualified lineman first class with a valid Class A CDL. Management experience preferred.

This is an at-will position and subject to change or be cancelled by village administrator or the legislative authority. The Village of Grafton is an equal opportunity employer and drug free work place.

Village of Versailles seeks to fill administrator position

The Village of Versailles, Ohio, is seeking qualified, professional candidates for the position of Village administrator.

The person appointed will report to the mayor and will provide general administrative direction; supervises activities of assigned personnel; advises employees on proper operations and procedures; directs the management and operation for all utility, street, urban forestry, park, cemetery, fire department, emergency medical services, planning, zoning, business and economic development activities, and grant writing activities.

A complete job description is available by contacting the Village of Versailles Administrative Office at 937-526-3294 extension 203, or by visiting the Village of Versailles website at www.versaillesohio.cc

Please submit resume to Jeff A. Subler, Mayor, Village of Versailles, 177 North Center Street, P.O. Box 288, Versailles, Ohio 45380 or jeffasubler@versaillesohio.cc.

Interested individuals are asked to submit a cover letter and resume by 4 p.m. June 4, 2012. The Village of Versailles is an Equal Opportunity Employer.

Legislative Bulletin

2012 OML Bulletins

June 8, 2012

GENERAL ASSEMBLY RETURNS NEXT WEEK

The General Assembly will be returning to the Statehouse next week to wrap-up a few remaining legislative priorities before they return to their home districts for a summer recess. Tuesday through Thursday of next week will be filled with committee hearings and sessions in both the House and Senate. We have posted the announced committee schedule below for next week. There are not too many municipal related items being heard next week with the exception of the House Ways and Means Committee will be holding a second hearing on the topic of Municipal income Tax Uniformity.

As we announced last week, the hearing will be held Wednesday, June 13 beginning at 9:30am in Hearing Room #122. We would very much appreciate hearing in advance from any of our members who may be coming to the Statehouse on Wednesday to testify. As a matter of courtesy, we want to inform the Chairman's office of who or how many witnesses he and his committee members can expect to testify before them, and we can only do this if you tell us of your intentions on participating. We can also help answer any questions you may have about testifying before the committee and more importantly, we can counsel you on areas of your testimony that may not be relevant to the focus of the committee's attention concerning this hearing.

We want to thank those who testified at the first hearing and look forward to additional communities sharing with members of the General Assembly the importance to them the revenue generated by their municipal income tax is and the need to consider the critical nature of this funding source in any future legislative proposals.

June 4, 2012

MUNICIPAL INCOME TAX INTERESTED PARTIES RECONVENE

Late last week, Rep. Cheryl Grossman (R-Grove City) held another interested party meeting to continue the dialogue between representatives of the OSCPA, Ohio Chamber of Commerce, NFIB-Ohio, OML staff and select municipal tax administrators. We would like to thank Mayor Southerland of Bay Village for also attending the meeting to lend the perspective of the Cuyahoga Mayors and Managers, to the discussion.

The meeting discussion basically followed the same talking points as previous meetings had, as the two sides continue to exchange ideas and perspectives on the various items that are included in the current list of variances pertaining to the municipal income tax. One new item was presented for discussion which gives us great reservation and had not been broached previously. The concept was presented that in the guise of greater uniformity, local ordinances governing a communities tax operations would no longer be necessary and all operations of a municipal income tax would be governed by the tenants of Ohio Revised Code Chapter 718 which includes

the mandate that any future rule addressing any particular component of the local tax would have to go through the regulatory requirements and approval of the State of Ohio's Joint Committee on Agency Rule Review (JCARR). If part of a legislative proposal, this idea could cause our nearly 600 municipalities that currently administer their own locally supported tax a great deal of administrative difficulties trying to navigate such a State bureaucratic system to address issues that may surface on the local level which currently are efficiently addressed now on the local level. Any problem that may occur with a filing procedure are currently rectified on the local level, adding greater expediency in resolving difficulties resident and business filers may encounter. We feel it is crucial that local tax administrators retain the ability to work one-on-one with their clients to address their needs and any attempt to deviate from this practice would be a tremendous disservice to the community and taxpayers which they serve.

We continue to impress upon those attending the Interested Party meetings about the harmful effects some of the proposals coming from the Municipal Income Tax Uniformity Coalition would have on our community's ability to provide the level of service crucial to economic development by substantially reducing revenue streams, and how not only would the residents be adversely effected by these reductions in municipal general operating dollars but businesses would directly suffer the consequences as well. Representative Grossman has asked the Interested Party participants to reconvene again June 21st.

HOUSE WAYS AND MEANS COMMITTEE SCHEDULES SECOND MUNICIPAL INCOME TAX UNIFORMITY HEARING

On Thursday, Chairman Peter Beck (R-Mason) announced a second hearing in the House Ways and Means Committee on the topic of municipal income tax uniformity. The Committee will be holding the hearing Wednesday, June 13 at 9:30am in Hearing Room # 122. We encourage those municipal officials to consider attending the hearing and to share with committee members the importance to your community the revenue generated by the municipal income tax is and if changes are made to how the tax is administered, that the solutions be revenue neutral.

LOCAL GOVERNMENT INNOVATION FUND GRANTS & LOANS AWARDED

The Ohio Municipal League would like to congratulate those cities and villages that have been awarded Local Government Innovation Fund Loans and Grants in the First-Round of funding by the Ohio Department of Development. On Friday June 1st the Local Government Innovation Council Awarded \$6.3 million in loans and grants to qualifying local government projects in the area of consolidated services and improved efficiencies. Out of the \$6.3 million awarded Ohio cities and villages received almost \$1 million for a variety of projects.

The Ohio Municipal League would like to remind our members that the Local Government Innovation Fund will continue to accept applications for future rounds of funding with the next round expected for this fall. OML encourages our members to research program guidelines and requirements to determine if there project meets LGIF criteria. You can find that information along with a complete list of local governments who have received awards on the Ohio Department of Development's website at the below link.

http://development.ohio.gov/Urban/LGIF.htm