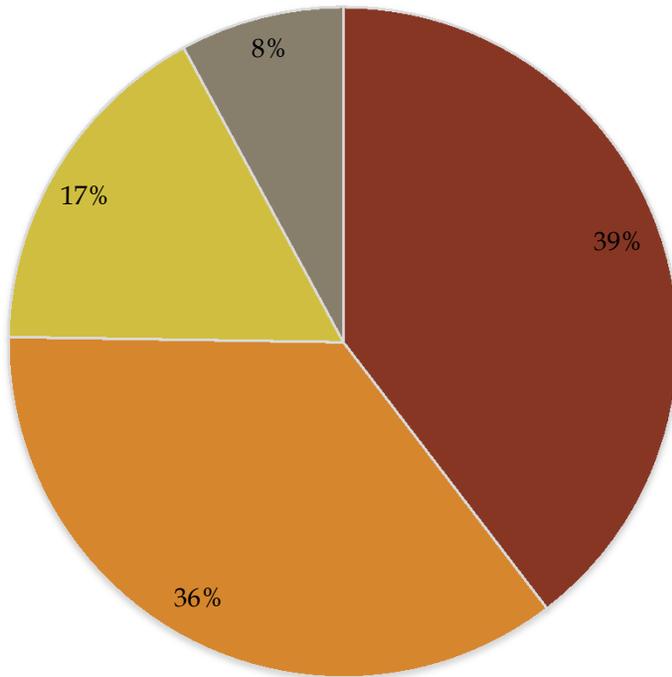


Piqua Power System



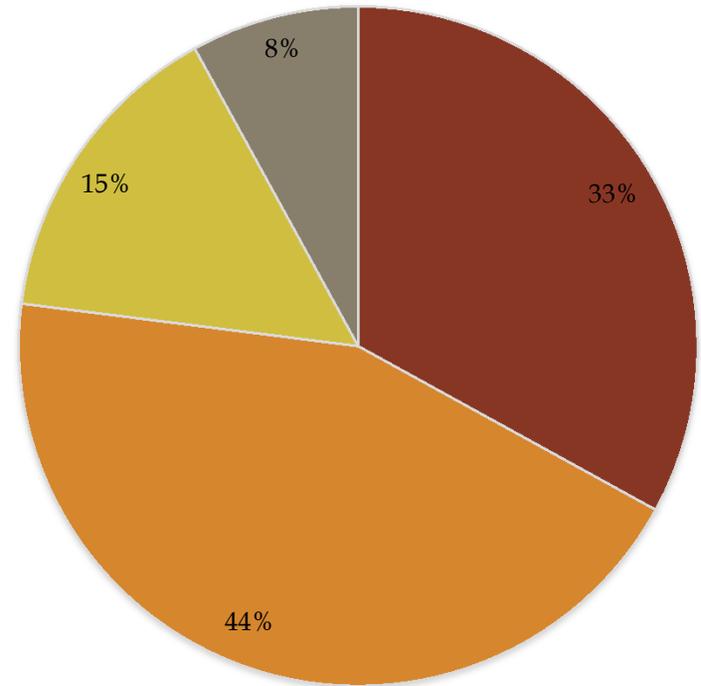
2014 Year in Review

Piqua's Changing Power Supply



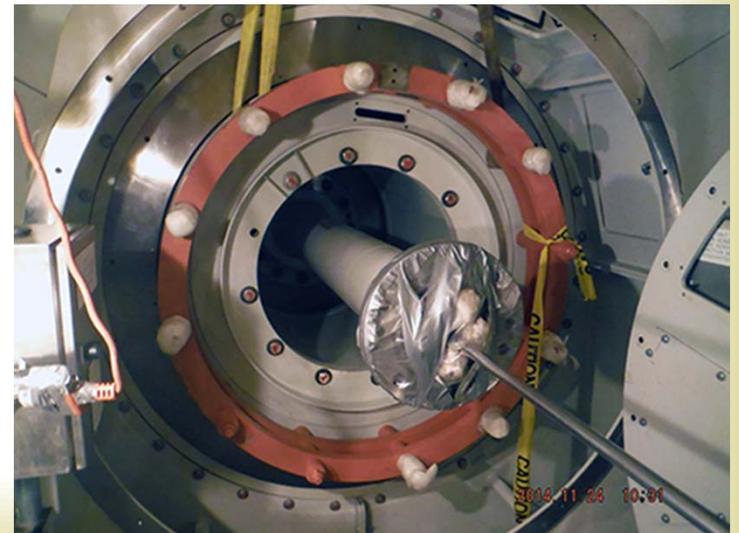
2013 - \$58.68/MWH

- Market
- Clean Coal
- Natural Gas
- Renewable

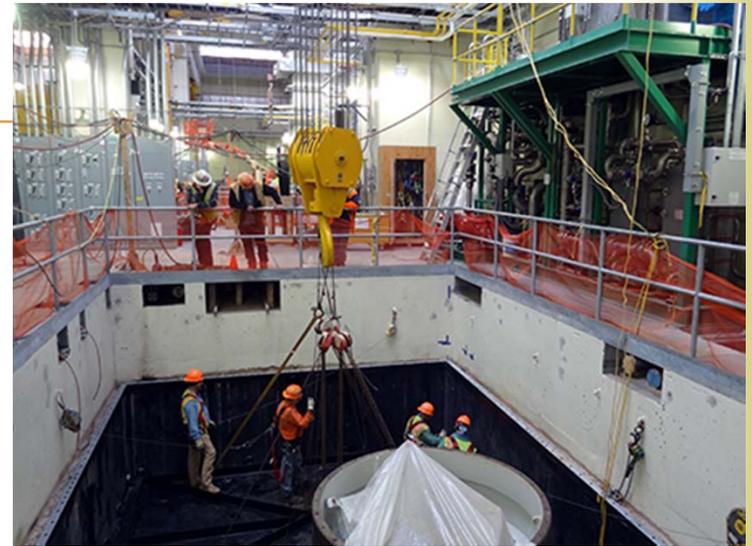


2014 - \$65.91/MWH

Cannelton Hydro Generating Project



Meldahl Hydro Generating Project



Willow Island Hydro Generating Project



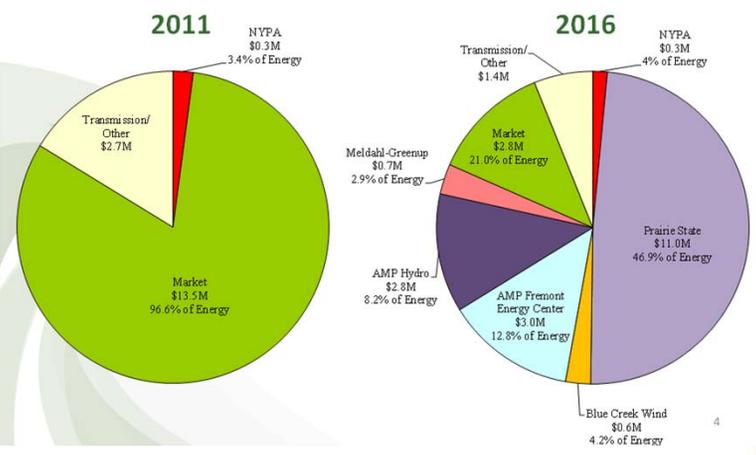
Smithland Hydro Generating Project



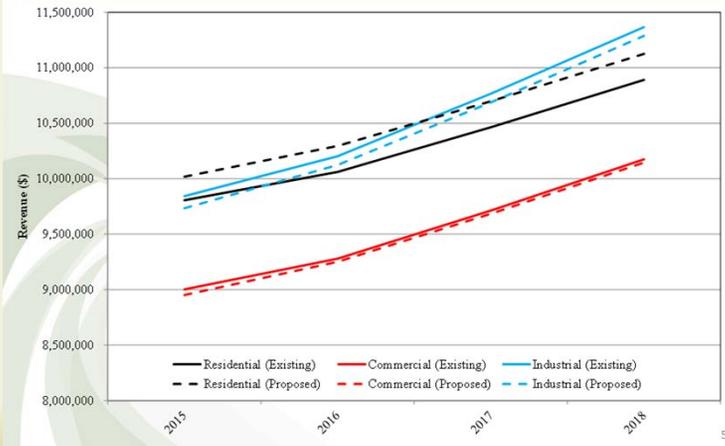
Completed Cost-of-Service Study

Electric Cost of Service and Rate Design Summary

Resource Cost and Energy Mix



Annual Rate Class Revenue Comparison Existing Versus Proposed



Typical Monthly Bill Comparisons (\$)

Rate Class	Usage	Piqua		
		Existing 2014	Proposed 2015	Inc./ (Dec.) (%)
Residential	750 kWh	86.03	87.77	2.0
Commercial (<500 kW)				
Customer 1	26 kW			
Customer 2	4,000 kWh	594	573	(3.6)
Customer 3	88 kW			
Customer 1	51,000 kWh	3,739	3,647	(2.5)
Customer 2	420 kW			
Customer 3	112,000 kWh	11,472	11,630	1.4
Industrial (>500 kW)				
Customer 1	1,700 kW			
Customer 2	765,000 kWh	59,435	58,260	(2.0)
Customer 3	1,840 kW			
Customer 1	936,000 kWh	69,352	67,544	(2.6)
Customer 2	3,300 kW			
Customer 3	900,000 kWh	87,357	88,155	0.9

Urban Waterfront CORF Grant



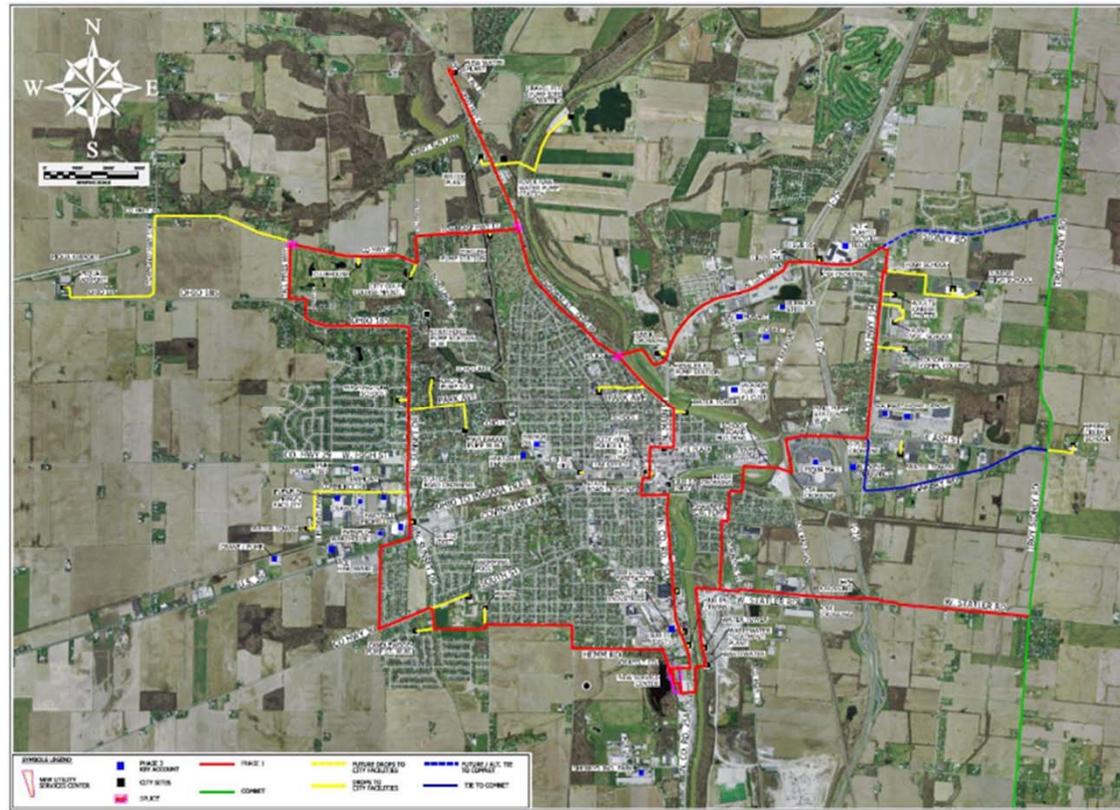
Sub #4 to #5 69kV Rebuild



Vaughn Industries replaced 18 transmission poles ranging from 75/H1 to 95/H3



Completed Fiber Optic Project



Fiber Optic Project, cont.

Orion Summary Home

All Groups
NO GROUPING APPLIED
L3 Switches
STATIONS

All Triggered Alerts
ALL UNACKNOWLEDGED ALERTS

Event Summary
LAST 7 DAYS

- 9 Interface Up
- 7 Interface Down
- 6 Interface Enabled
- 3 Interface Shutdown
- 1 Group Warning
- 1 Group Up
- 1 NPM Module Engine Started
- 1 VIM Service Started
- 1 Warning
- 1 QoS Service Started
- 1 CoreBL Service Started
- 1 Alert Triggered
- 1 Alert Reset
- 1 Agent Unavailable
- 1 Agent Available

Search Nodes

Map

Visualize your environment with customized maps.
To create or edit your own map go to **Start > All Programs > SolarWinds > Network Atlas** on your SolarWinds Network Atlas.

Interface Details - RIVER CROSSING - GigabitEthernet1/1/23 - Distribution

Percent Utilization - Radial Gauges

RECV % Utilization: 0%
XMIT % Utilization: 0%

Interface Details

Management: Edit Interface, Unmanage, Pollers, Poll Now, Rediscovery

Status: Up

Name: GigabitEthernet1/1/23 - Distribution
Alias: Distribution
Index: 23
Interface Type: Ethernet
MAC Address: 74E.F8E.0500
IP Address: Unknown

Administrative Status: Up
Operational Status: Up
Last Status Change: 12/4/2014 12:15 PM

Min/Max/Average bps In/Out

GigabitEthernet1/1/23 - Distribution
Jan 20 2015, 12:00 am - Jan 20 2015, 12:00 pm

Legend:

- Average Receive bps RIVER CROSSING - GigabitEthernet1/1/23 - Distribution
- Average Receive bps RIVER CROSSING - GigabitEthernet1/1/23 - Distribution Trend
- Average Receive bps RIVER CROSSING - GigabitEthernet1/1/23 - Distribution Percentile 95%
- Min/Max Receive bps RIVER CROSSING - GigabitEthernet1/1/23 - Distribution
- Average Transmit bps RIVER CROSSING - GigabitEthernet1/1/23 - Distribution
- Average Transmit bps RIVER CROSSING - GigabitEthernet1/1/23 - Distribution Trend
- Average Transmit bps RIVER CROSSING - GigabitEthernet1/1/23 - Distribution Percentile 95%
- Min/Max Transmit bps RIVER CROSSING - GigabitEthernet1/1/23 - Distribution

Transformer Yard Improvements



Eliminated DP&L Main St. Sub



Piqua Central Intermediate School



Piqua Materials Expansion



Berwick Steel Primary Metering



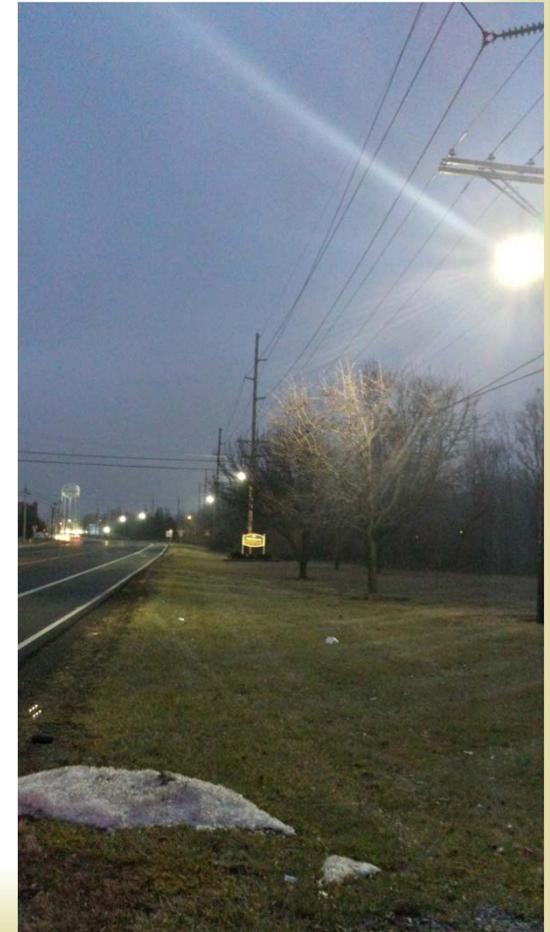
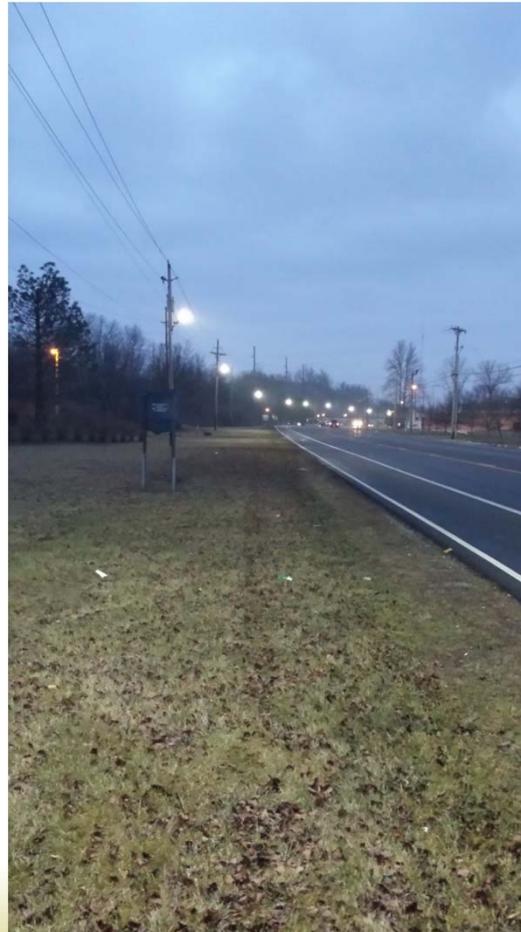
Speedway Service Upgrade



Sunset Dr. Distribution Line Rebuild



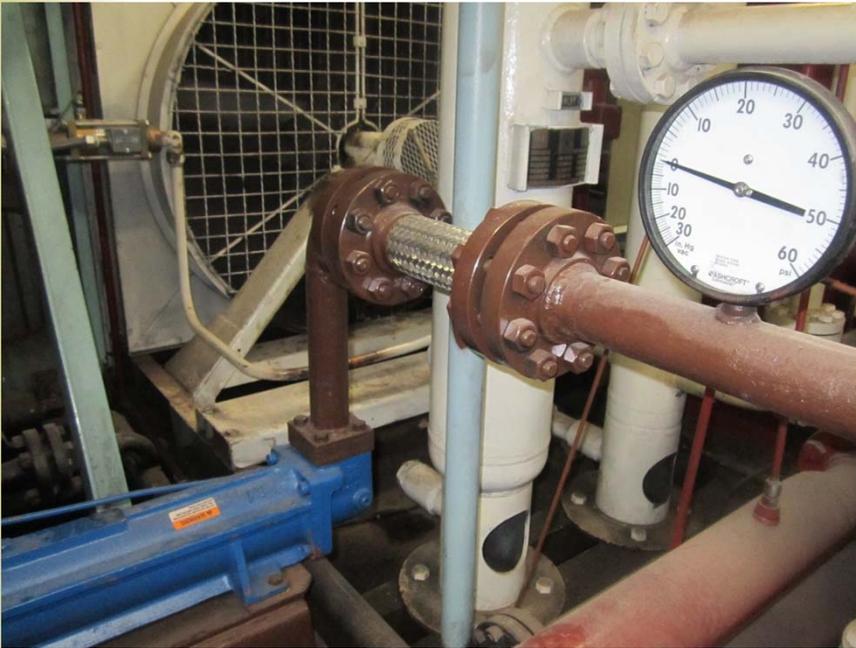
LED Street Light Conversions



Main St. Manhole Removal



#9 G.T. Fuel Pump Replacement



#9 G.T. Exhaust Repair



Power Plant Roof Repair



Before

After



Door Replacements



#9 Gas Turbine

Power Plant



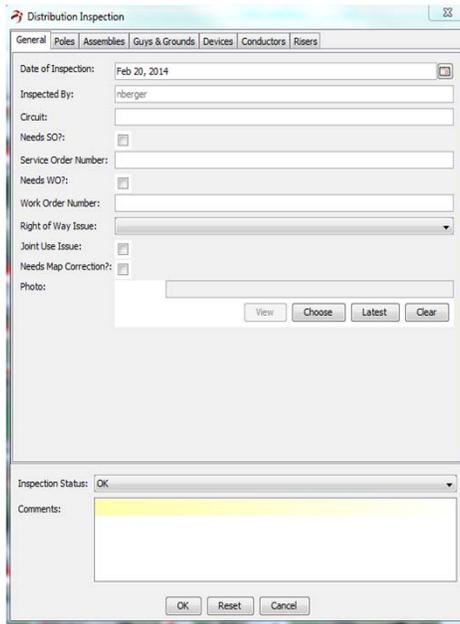
Dam Gate Repair



#3 Substation Regulator Rebuild



Distribution Inspection Program



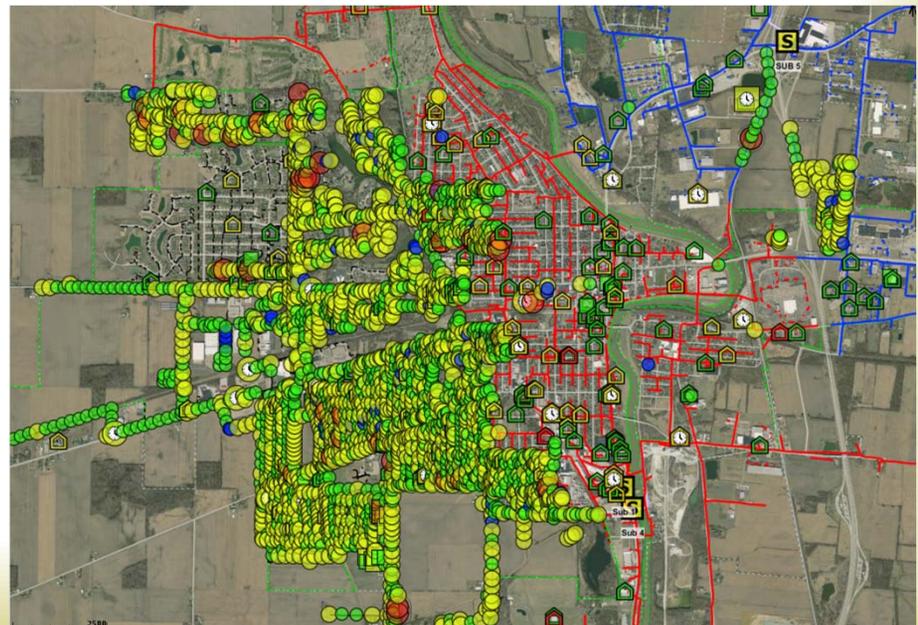
The screenshot shows a software window titled "Distribution Inspection" with several tabs: "General", "Poles", "Assemblies", "Guys & Grounds", "Devices", "Conductors", and "Risers". The "General" tab is active, displaying a form with the following fields and controls:

- Date of Inspection: Feb 20, 2014
- Inspected By: rberger
- Circuit: (empty text box)
- Needs SO?:
- Service Order Number: (empty text box)
- Needs WO?:
- Work Order Number: (empty text box)
- Right of Way Issue: (dropdown menu)
- Joint Use Issue:
- Needs Map Correction?:
- Photo: (empty text box)

At the bottom of the form are buttons for "View", "Choose", "Latest", and "Clear". Below the form is an "Inspection Status" dropdown menu set to "OK" and a "Comments" text area. At the very bottom are "OK", "Reset", and "Cancel" buttons.



- I. 1,555 Poles Inspected
- II. 31 Condemned Poles Identified
- III. 40 Condemned Poles Replaced



Annual Electric Meter Testing Program



Summary of Last Test



CT Test Report



Site ID: 9054 Cly RD 25A
 Customer: Plastic Recycling Technologies
 Test Date: Tuesday, July 29, 2014 1:09:10 PM (UTC+05:00)
 Service: 3-Phase, 4-Wire, Wye (3V, 3C) TR

Account No:
 Tech 1: MDB
 Tech 2:
 Sys ID: 7335-140083

Site ID: 9054 Cly RD 25A
 Customer: Plastic Recycling Technologies
 Test Date: Tuesday, July 29, 2014 1:11:38 PM (UTC+05:00)
 Service: 3-Phase, 4-Wire, Wye (3V, 3C) TR

Account No:
 Tech 1: MDB
 Tech 2:
 Sys ID: 7335-140083

Meter Information

Manufacturer: General Electric
 Model: KV2
 Catalog No: 747X900001
 Serial No: 23571606

Accuracy Class: 0.2
 Meter Form: 9S
 Meter Number: E-4520
 Kt: 1.8

Meter Test Data

Pulses Actual: 241
 Pulses Expected: 241.3961
 Measurement Time: 900.2166

Mode: Wh
 Wh Meter: 433.800
 Wh Actual: 431.707
 %Reg
99.836

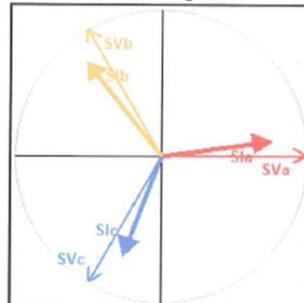
Basic Test Data

Phase	Voltage	V-Phase	Phase	Current	I-Phase	VI-Phase	PF	V-%THD	I-%THD
Va	113.065	0.000	la	5.09535	352.543	352.543	0.991	0.87	19.16
Vb	112.621	239.676	lb	5.53006	231.466	351.792	0.989	1.23	16.65
Vc	111.773	119.786	lc	4.86617	110.481	350.695	0.987	1.38	18.68
Vn	0.000	0.000	ln	0.00000	0.000	0.000	0.000	0.00	0.00
Vsys	112.486		ISys	5.17053			0.989	1.16	18.16

Power Data

Power Pair	Wh	VAh	VARh
Va-la	142.8321	144.0771	-18.6488
Vb-lb	154.1124	155.7507	-22.2569
Vc-lc	134.7629	136.5814	-22.0220
Sys	431.7074	436.4092	-62.9276

Vector Diagram



CT Ratio @ 0.0 Burden

	A	B	C
Measured	50.096	50.093	49.905
Error (%)	0.191	0.186	-0.191
Phase Error (Deg)	0.116	0.208	0.122
Phase Error (Min)	6' 55"	12' 27"	7' 19"
Pri. Amps	52.918	57.358	49.370
Sec. Amps	5.282	5.725	4.946

Transformer Information

Phase	Manufacturer	Catalog No	Serial No	NPR:5	Bur. Class	Acc. Class
A	General Electric	755X52007		50	0.5	0.3
B	General Electric	755X52007		50	0.5	0.3
C	General Electric	755X52007		50	0.5	0.3

Ratio at Zero Burden

	A	B	C
Measured	50.096	50.093	49.905
Error (%)	0.191	0.186	-0.191
Phase Error (Deg)	0.116	0.208	0.122
Phase Error (Min)	6' 55"	12' 27"	7' 19"
Pri. Amps	52.918	57.358	49.370
Sec. Amps	5.282	5.725	4.946

Ratio Data

Phase	0.0	0.1	0.3	0.5	1.0	2.0	4.0
A	50.096	50.111	50.120	--	--	--	--
B	50.093	50.185	50.175	--	--	--	--
C	49.905	49.906	49.913	--	--	--	--

Ratio Error (%)

Phase	0.0	0.1	0.3	0.5	1.0	2.0	4.0
A	0.191	0.222	0.240	--	--	--	--
B	0.186	0.370	0.350	--	--	--	--
C	-0.191	-0.167	-0.174	--	--	--	--

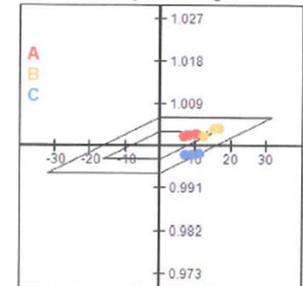
Relative Phase Data (Degrees)

Phase	0.0	0.1	0.3	0.5	1.0	2.0	4.0
A	0.116	0.136	0.172	--	--	--	--
B	0.208	0.257	0.281	--	--	--	--
C	0.122	0.154	0.190	--	--	--	--

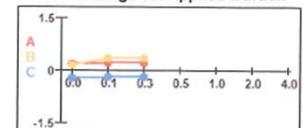
Change in Secondary Amps vs Applied Burden

Phase	0.0	0.1	0.3	0.5	1.0	2.0	4.0
A	0.000	0.047	0.007	--	--	--	--
B	0.000	-3.388	-2.674	--	--	--	--
C	0.000	-7.334	-1.830	--	--	--	--

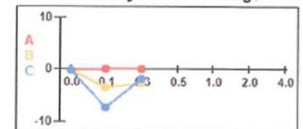
Accuracy Parallelogram



Ratio Change vs. Applied Burden



Secondary Current Change



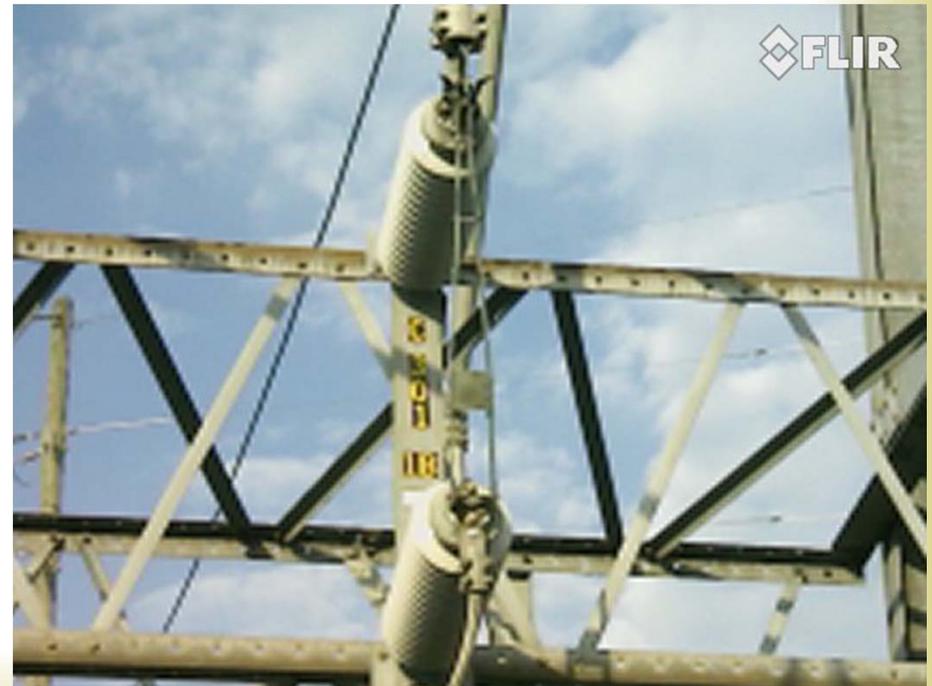
173 Industrial and Commercial Meter Sites tested to confirm accuracy

Substation Inspections



Substation #3

Substation #2



Paint Padmount Transformers



Clearing 69kV Right of Way



Behind Jackson Tube & Berwick Steel

Along St. Rt. 66 N/O Hardin Rd.

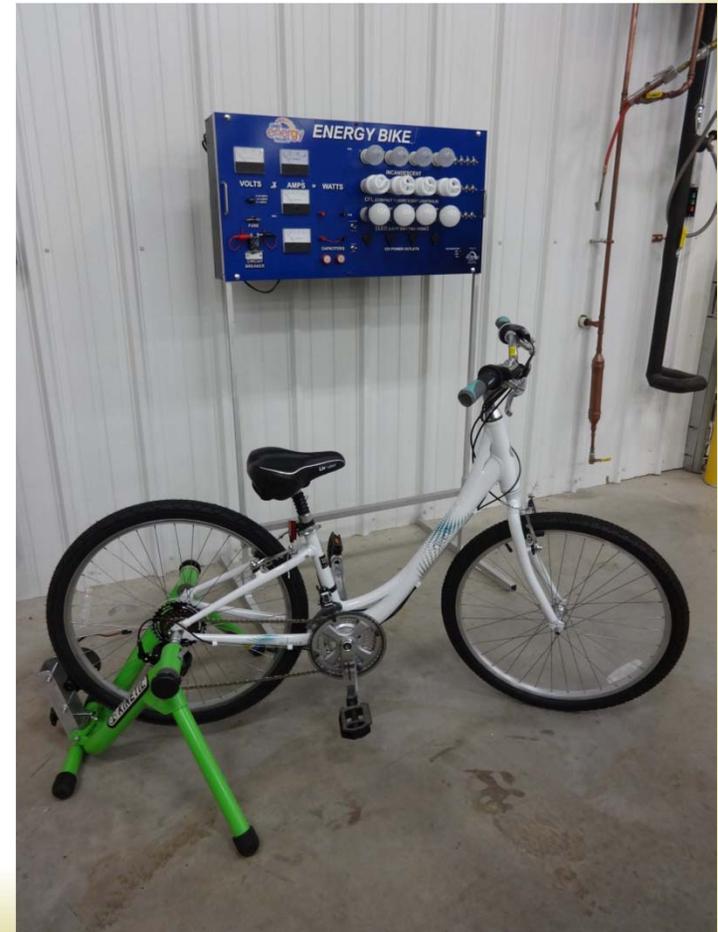


School Programs



ENERGY BIKE AND SAFETY DEMO LIST

Date	Location	Type of Program
2/24/2014	Washington School(@ High St)-5th grade	Safety Demo
3/14/2014	Bennett Intermediate School - 4th grade	Energy Bike/Safety Demo
3/20/2014	Wilder Intermediate School - 4th grade	Energy Bike
3/21/2014	Wilder Intermediate School - 4th grade	Safety Demo
4/17/2014	Washington School(@ High St)-4th grade	Safety Demo
5/13/2014	OEP Columbus	Safety Demo
8/5/2014	Miami County-National Night Out for Safety	Safety Demo
9/4/2014	Government Academy	Energy Bike/Safety Demo
10/20/2014	Covington 4-H Club	Safety Demo
11/12/2014	Wilder Intermediate School - 4th grade	Safety Demo
11/20/2014	Upper Valley Career Center-Adult Lineman Training	Safety Demo
11/25/2014	Washington School(@ High St)-4th grade	Safety Demo
12/19/2014	Bennett Intermediate School - 4th grade	Energy Bike/Safety Demo



Mutual Aid

- ⌘ June 19-24, 2014 - DP&L, Lightning Storms
- ⌘ May 22, 2014 - Tipp City, Extreme Flooding
- ⌘ September 30, 2014 - Pioneer REC, Assist Underground Cable Pulling



Piqua Power System



Joel Hart - SCADA Admin.



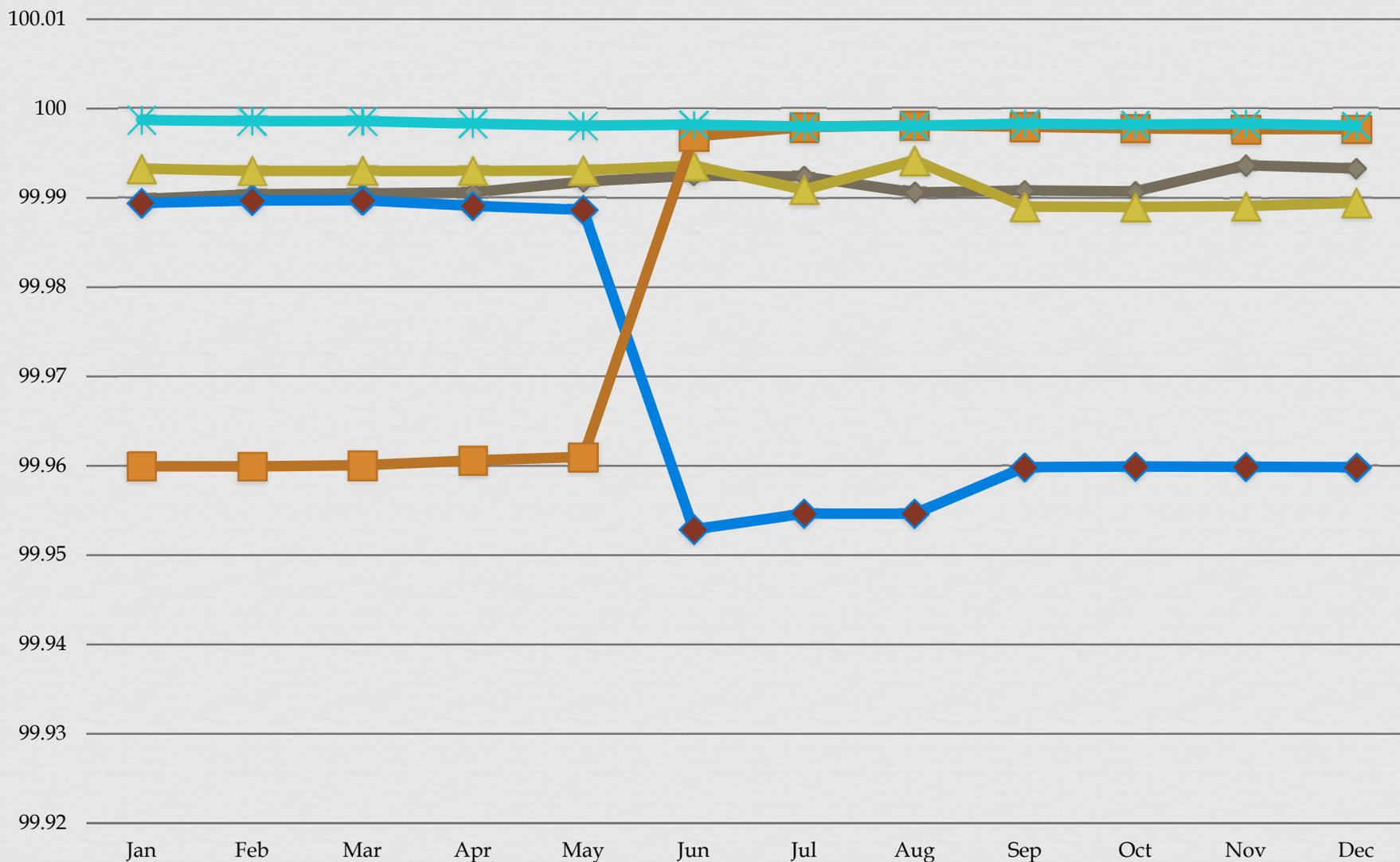
Bret Reid - Part-time SCADA Admin.



New Vehicle Purchase



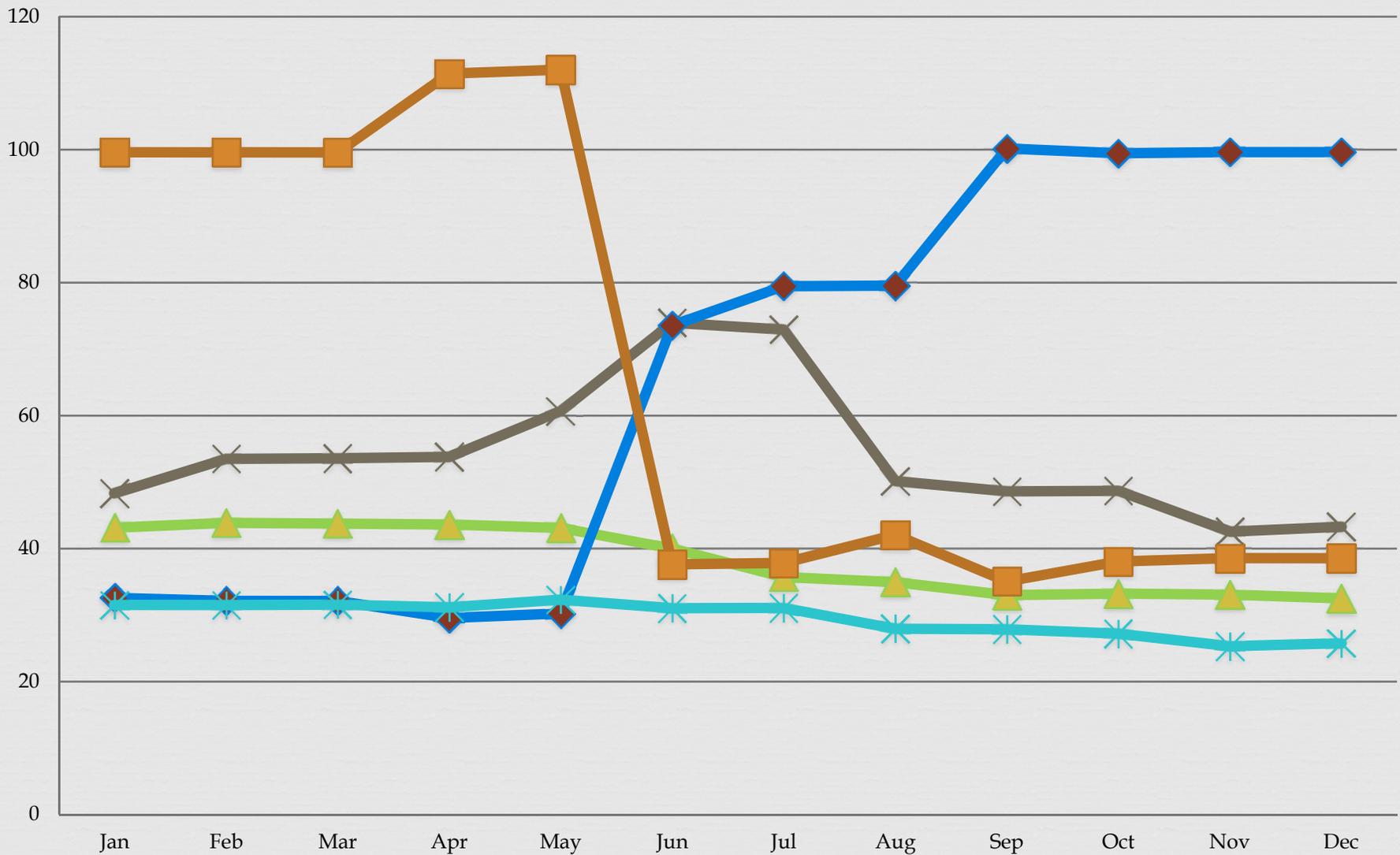
ASAI (Average Service Availability Index - %)



Ratio of the total customer minutes that service was available divided by total customer minutes demanded in a time period.

—◆— 2010 —▲— 2011 —◆— 2012 —■— 2013 —✱— 2014

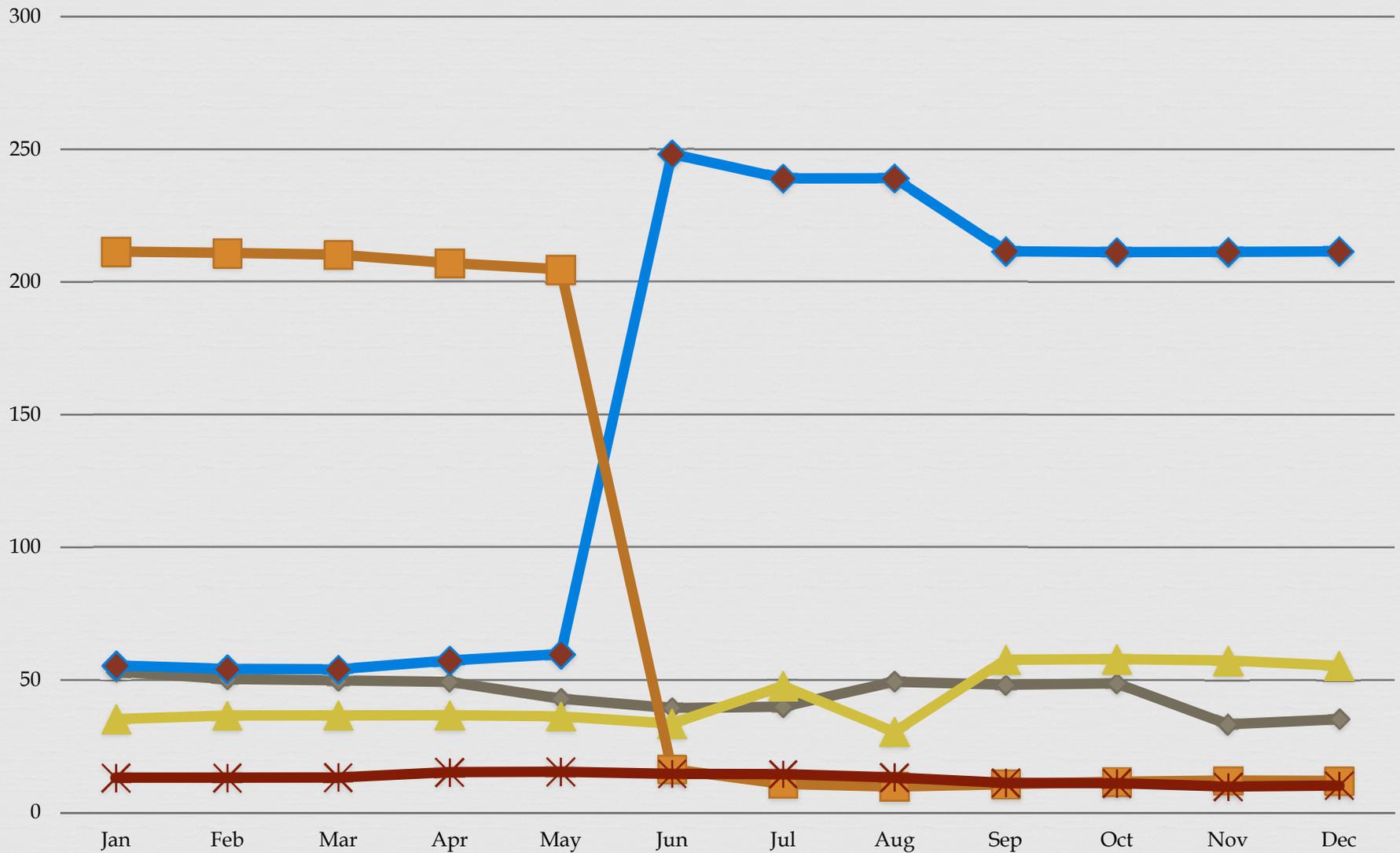
CAIDI (Customer Avg Interruption Duration Index - Minutes)



The average duration of a customer outage, is calculated by dividing the sum of the customer minutes off by the number of customers who experienced long interruptions.



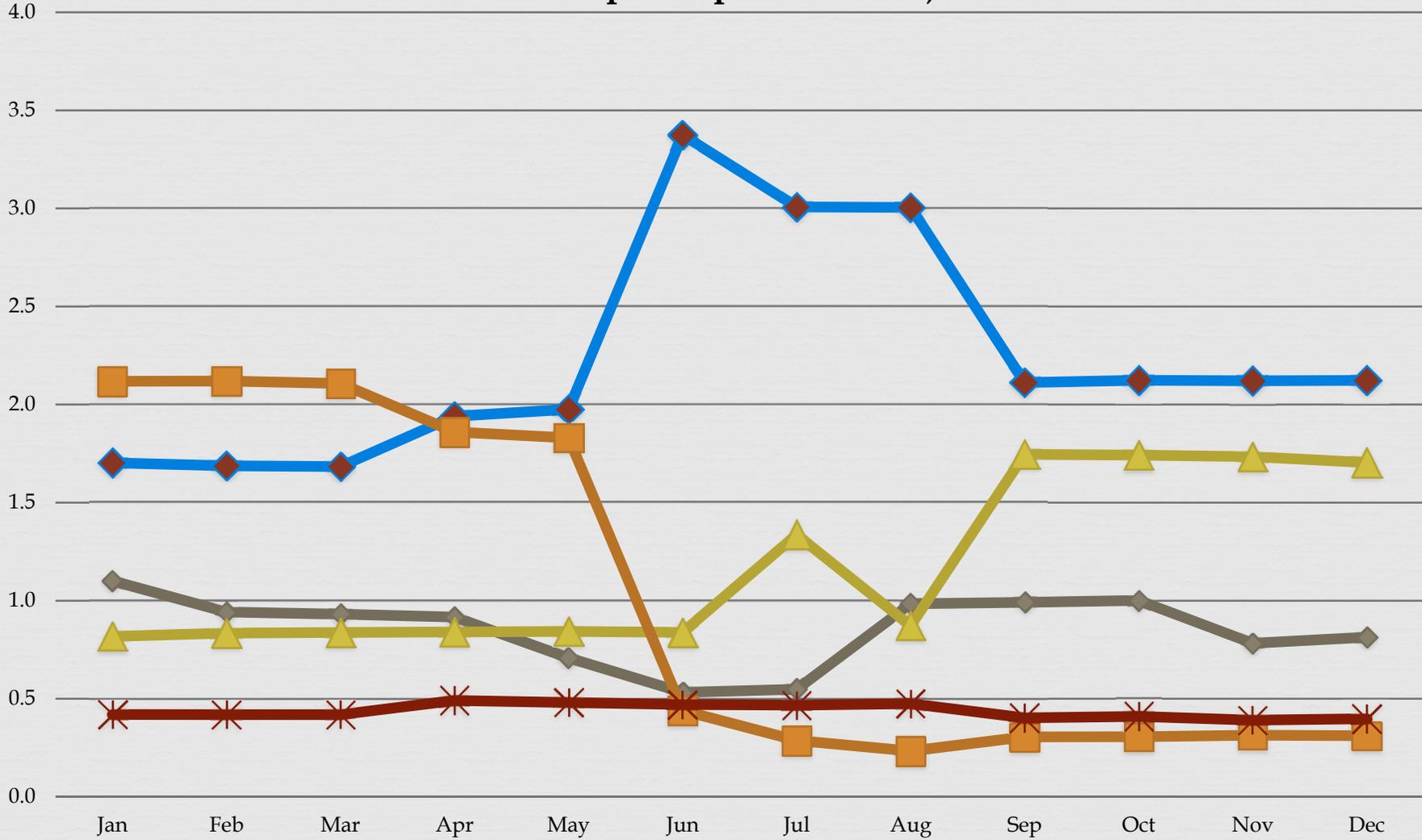
SAIDI (System Average Interruption Duration Index - Minutes)



The average interruption duration for all customers served, and is calculated by dividing the sum of the customer minutes off by the average no. of customers served.

—◆— 2010 —▲— 2011 —◆— 2012 —■— 2013 —*— 2014

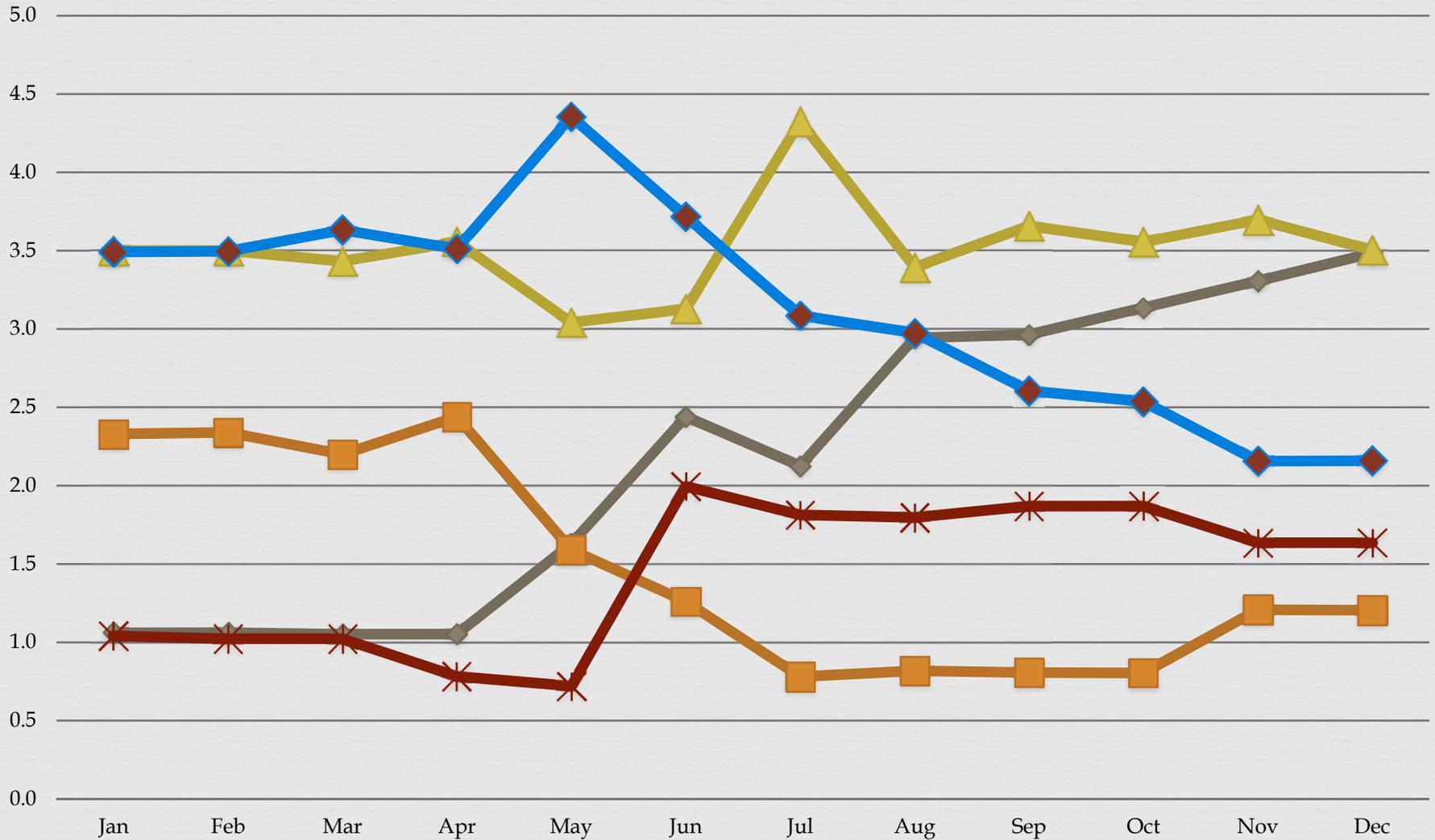
SAIFI Long (System Average Interruption Frequency Index - Long Interruptions per Customer)



The number of times a customer is interrupted (>1 minute), averaged over all customers. Divide total customer interruptions by an average of total customers served.



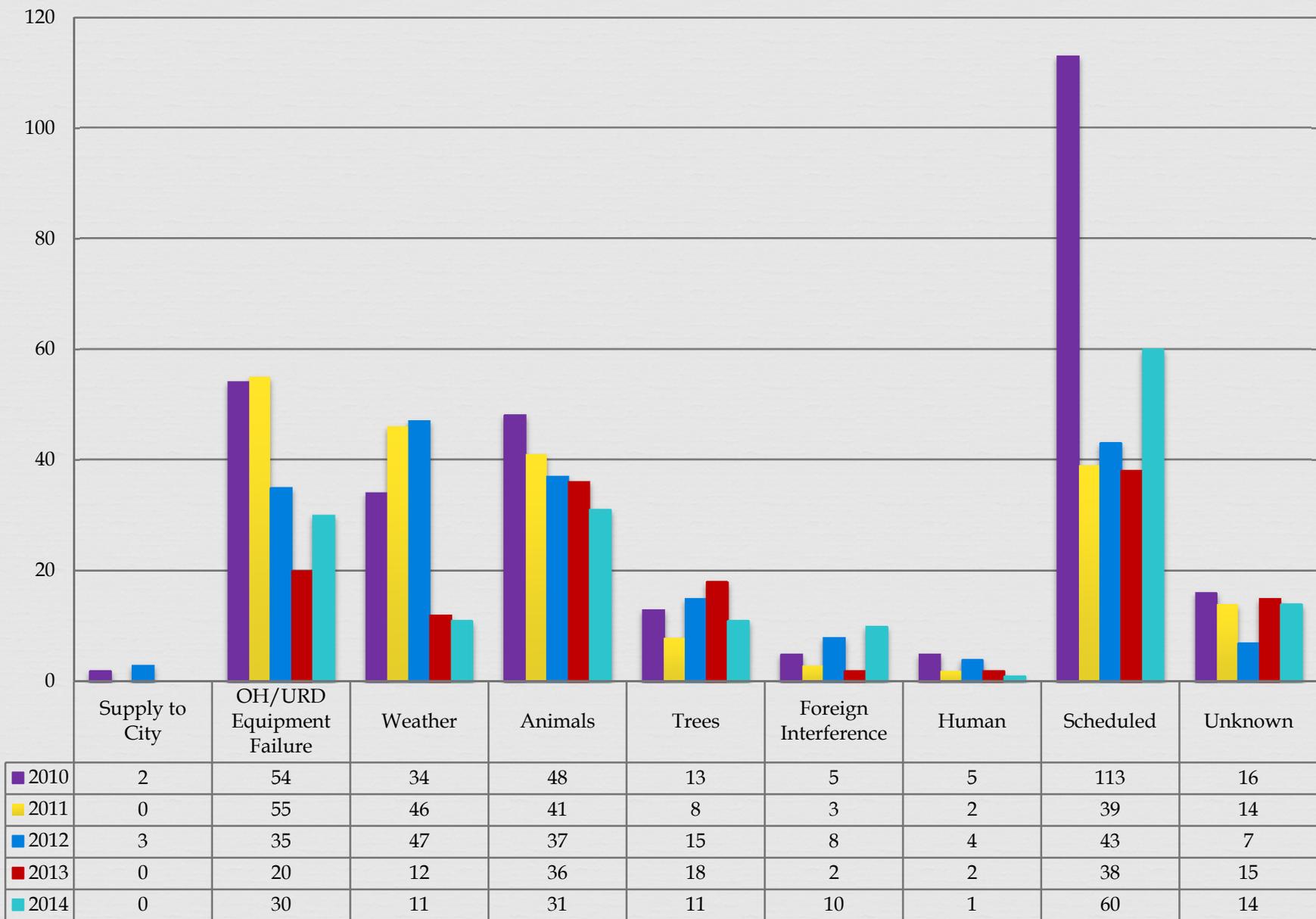
SAIFI Short (System Average Interruption Frequency Index - Short Interruptions per Customer)



The number of times a customer is interrupted (<1 minute), averaged over all customers. Divide total short customer interruptions by the average number of all customers served.

2010
 2011
 2012
 2013
 2014

Outage By Cause



CRC Outage Texting Service



Be sure to sign up for outage texting service!

texting.crc.coop

The Customer Is Always Right Electrical Outage Texting Now... Texting Outage Management Texting Outage Management

Piqua Power System (OH) **PIQUA** Ohio

Member Login

Please check with our office to make sure we have your cell phone number in our current database before outage texting can be activated.

Welcome to the member log-in website for our text messaging service! After completing a few easy steps, you'll have the ability to report power outages faster through the convenience of text messaging from your text-enabled cell phone or mobile device.

Get started today by completing the fields to the right.

Password Strength Requirements:
Minimum Length: 8
Upper-case Letters: 1
Lower-case Letters: 1
Numerals: 1
Special Characters(e.g., !@#\$%^&*()+=,.-~): 1

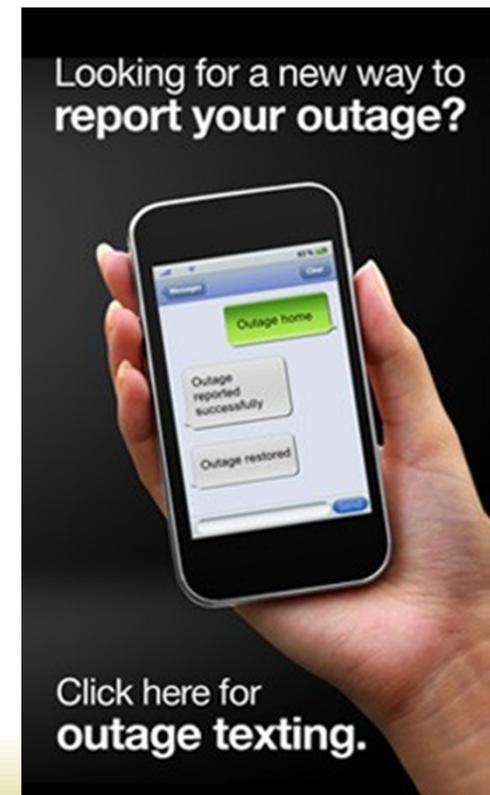
Email:

Password:

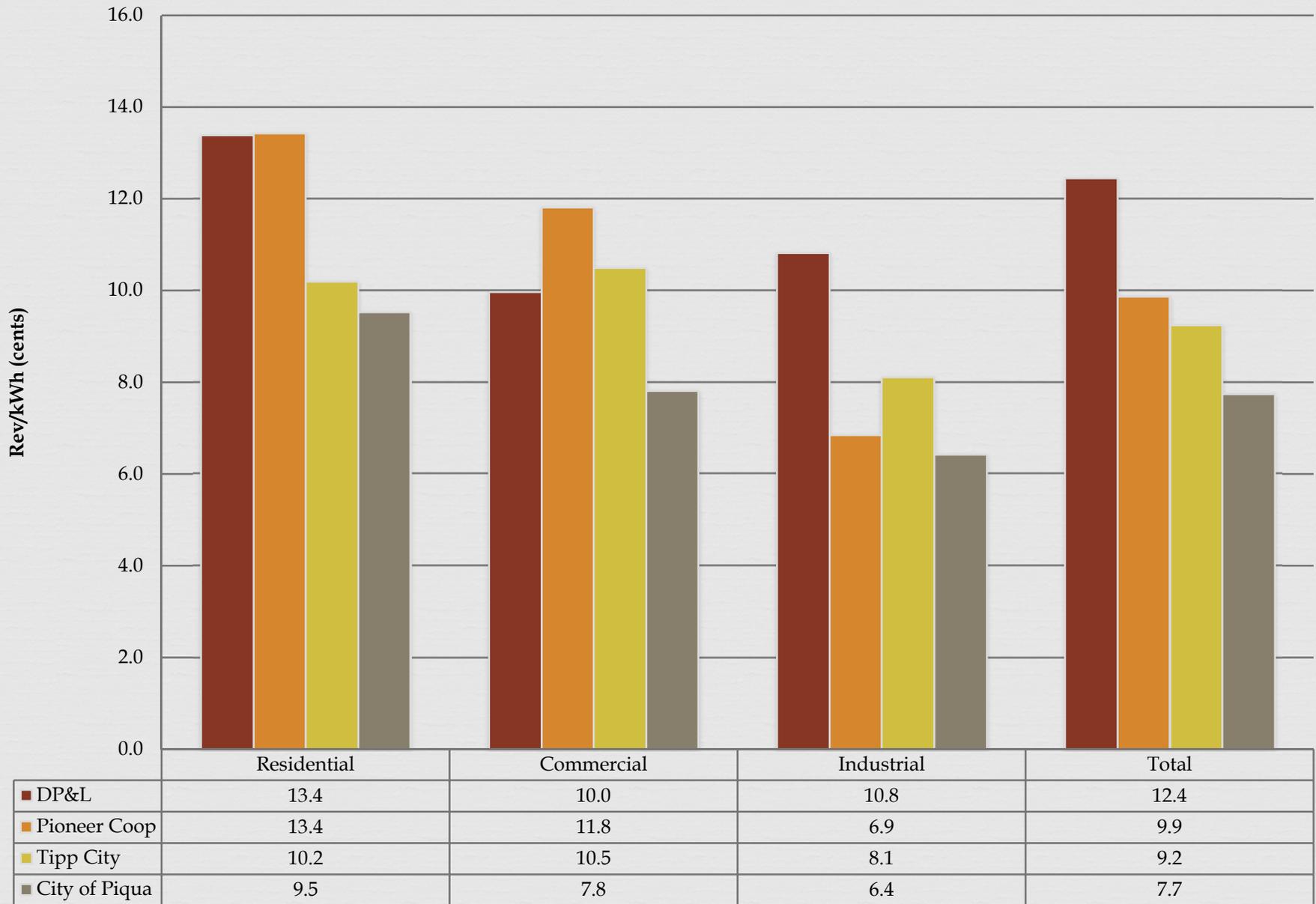
Re-enter password:

[Register](#)

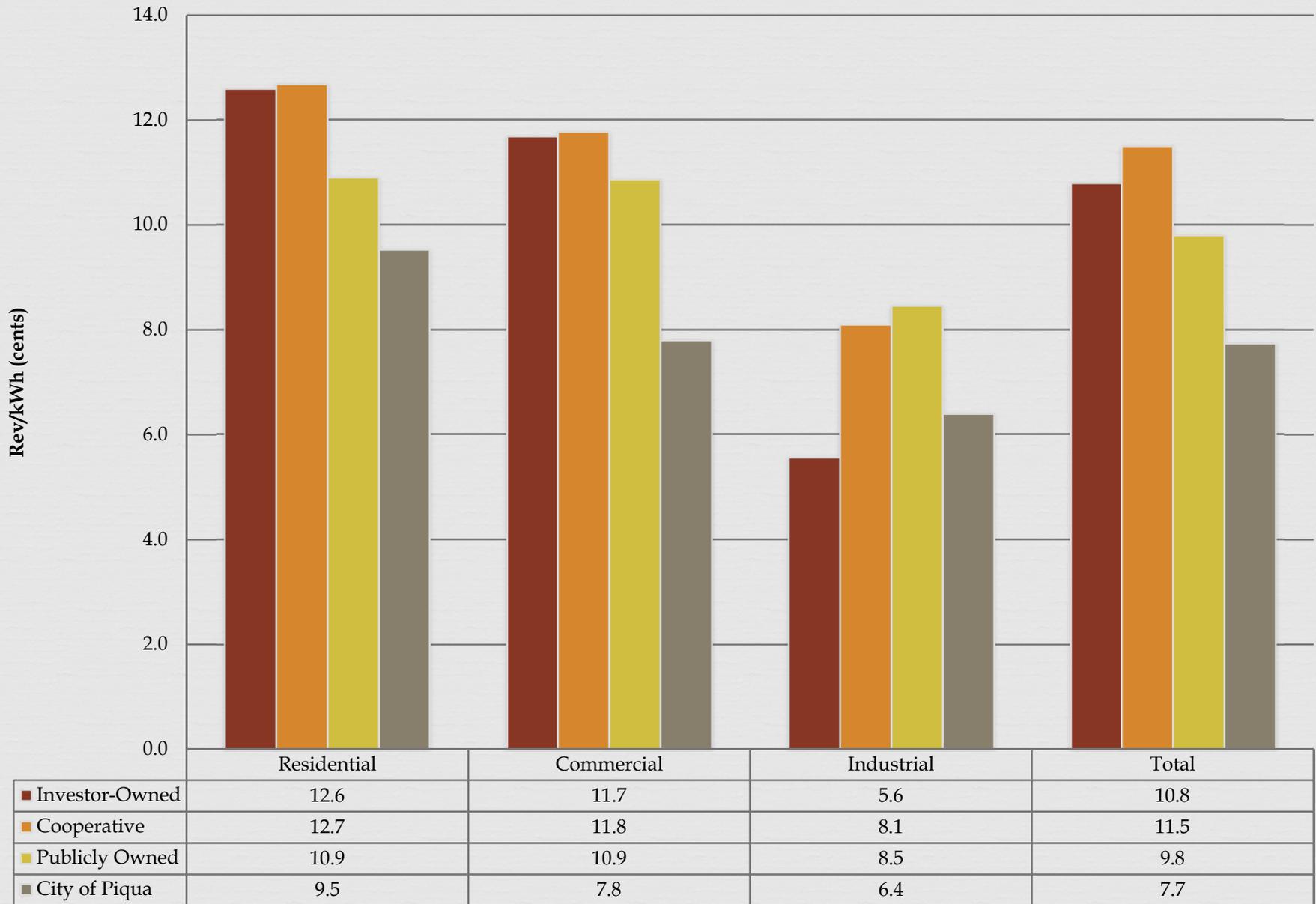
Already a member? [Log In!](#)



Local Utilities - Avg Revenue per kWh - 2013



Ohio Avg Revenue per kWh - 2013



AMP Credit Score – 97%



AMERICAN MUNICIPAL POWER, INC.

RESOLUTION 12-02-3256

CREDIT SCORING FOR MEMBERS-REVISION TO RESOLUTION 09-03-2741

WHEREAS, American Municipal Power, Inc. (AMP) membership must be creditworthy and financially sound; and

WHEREAS, AMP staff has developed certain financial criteria to measure creditworthiness and financial soundness for members; and

WHEREAS, A revision is deemed necessary to Resolution 09-03-2741, Credit Scoring for Members; and

WHEREAS, the Revised AMP Member Credit Scoring Program for members is set forth in Appendix A attached hereto; and

WHEREAS, AMP staff recommends that the Board of Trustees adopt the policy as set forth in Appendix A effective for audits received after January 1, 2012 for the 2010 fiscal year, and all other audit years going forward, during calendar year 2012 and beyond

NOW, THEREFORE, BE IT HEREBY RESOLVED, that the Board of Trustees adopts the policy as set forth in Appendix A effective for audits received for the 2010 fiscal year, and all other audit years going forward, during calendar year 2012 and beyond.

DATE: May 15, 2012

APPROVED
AS TO FORM:


GENERAL COUNSEL
AND ASSISTANT SECRETARY


CHAIRMAN


PRESIDENT



AMP Lineworker Rodeo

JOURNEYMAN

Hurtman Rescue

1st Dan Cline, Piqua
2nd David Overman, Jackson Center
3rd Ryan McCarroll, Tipp City

Single-Phase Pole Transfer

1st Dan Cline, Piqua
2nd David Overman, Jackson Center
3rd Ryan McCarroll, Tipp City

Two-Phase Horizontal

Cutout Change Out

1st Dan Cline, Piqua
2nd Ryan McCarroll, Tipp City
3rd David Overman, Jackson Center

12kV Arrestor Change Out

1st Dan Cline, Piqua
2nd Ryan McCarroll, Tipp City
3rd David Overman, Jackson Center

Alley Arm Insulator Change Out

1st Dan Cline, Piqua
2nd Ryan McCarroll, Tipp City
3rd David Overman, Jackson Center

Overall

1st Dan Cline, Piqua
2nd Ryan McCarroll, Tipp City
3rd David Overman, Jackson Center



Overall – Journeyman: Ryan McCarroll (left), Tipp City, second; and Dan Cline, Piqua, first. Not pictured is David Overman, Jackson Center, third.

Reliable Public Power Provider



2015 Submitted Application

2013 Diamond 100%

2011 Platinum 99%

2009 Diamond 100%

2006 Platinum 98%





Questions?