Piqua Power System
Staff Changes

Addition

Joe Huelskamp
Journeyman Lineworker
Hired 4/22/19

Departure

Terri Oestreicher
Electrician
Resigned 1/21/19
Ken Wagner Earns Journeyman Certification
Piqua’s Power Supply

2018

- 53% Clean Coal
- 19% Natural Gas
- 4% Renewable
- 24% Market

$74.07/MWH

2019

- 50% Clean Coal
- 21% Natural Gas
- 8% Renewable
- 21% Market

$66.66/MWH
Prairie State Energy Campus

**PSCG**
Calendar Year 2019
(as of December 31, 2019)

<table>
<thead>
<tr>
<th>Metric</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Net MWh</td>
<td>12,017,091</td>
</tr>
<tr>
<td>Equivalent Forced Outage Rate</td>
<td>9.55%</td>
</tr>
<tr>
<td>Coal Burned (Tons)</td>
<td>6,794,685</td>
</tr>
</tbody>
</table>
AMP Fremont Energy Center

Capacity/Utilization

Generation YTD
Phase I Hydro

Cannelton

Smithland

Willow Island
Phase II Hydro

Meldahl

Greenup
AMP Solar Phase II

Staunton Solar Field

Manier Solar Field
Manier Solar Connected to Piqua Grid
June 17, 2019
Piqua Combustion Turbines
Customer Savings - $1,647,790
Sub #3 69kV Breaker Project

Old

Delivery

New
Upgraded Relays, Controls, Doors
Upgraded RTU to new NTX-220

Before

After
Rebuild #8 GT Starting Diesel
Replace #9 GT Back-up Air Compressor
New Fuel Meters #9 GT
Paint #9 GT
Sub #3 Comprehensive Testing
Recondition Sub #3 Regulators & Replace all Bypass Switches
Power Plant Life Extension Projects

LED Lights in Turbine Room

Roof Drain Repair
Substation #1 Roof Repair
New East Gate at Service Center
Replaced Fire Alarm Monitoring System Vendor
DPL/Piqua Joint Relocation for Riverfront Redevelopment

City of Piqua Power System
201 Hemm Ave
Piqua, OH 45356
(937) 778-2077

Reconductor Existing Interstate Crossing
Reframe/Reconductor Existing Pole Line
Reframe/Reconductor Existing Pole Line
Approx Total length - 11,800 ft

Joint Circuit with Piqua DP&L Top Circuit
Piqua Bottom Circuit
Approx total length - 2,900 ft

Troy- Sidney Rd
W. Statler Rd
I-75
E. Main St
Garnsey St
Piqua-Troy Rd
US 36
Ash St.

Remove DP&L poles and conductor
Approx total length - 6,200 ft

Joint Circuit Stops with Piqua
Reframe/Reconductor
Existing Pole Line
Lock Nine Project
Kettering Health Network
Indian Ridge Subdivision Addition
Garbry Ridge Expansion
NKTelco Expansion
E. Ash St. Bike Path
Waste Water Plant Upgrade
Orchard Dr. & Candlewood Wastewater Lift Stations
LED Streetlights

E. Ash Street

Before ➔ After

S. Looney Rd.

Before ➔ After
Purchase 2 Pick Up Trucks, Gator Utility
Fiber Documentation Project
Eliminate Hazardous Conditions

2019 Services Repaired: 44
Program to Date: 504
Rate study recommends no increases

By Sam Wildow
Miami Valley Sunday News

PIQUA — A rate study recently conducted by Sawvel and Associates, Inc. on behalf of the city of Piqua has recommended no rate increases to the electric rates for the Piqua Power System at this time, finding existing rates should be “sufficient” through the end of 2023.

“We do not see a need to adjust electric rates at this time. We recommend the city continue to monitor rate revenue adequacy to determine if a rate adjustment is needed prior to 2024,” Sawvel and Associates, Inc. wrote at the end of its report.

The study concluded existing rates “are sufficient to maintain the minimum fund balance guideline through 2023” and “are not substantially out of line with cost of service.”

The study looked at existing rates and the city’s budget to see if the current rate structure...
Top 20 Key Accounts Meeting

Welcome to
Piqua Power System
Top 20 Meeting

July 12, 2019

Piqua Power System
PJM Demand Response Offering

7/12/19
Utility Solutions Video Production
Light Up the Navajo Nation

-rockpoint, arizona
April 18, 2019

PIQUA
Municipal Power System

working with NTUA volunteers:

- 10,000 hours worked
- 42.4 miles of lines installed
- 228 homes electrified

This reduced the total number of U.S. homes without electricity by 1/5 in 3 weeks.

Lighting the Navajo Nation

Of the 50,000 homes in the Navajo Nation, 15,000 - 30% — do not have electricity.

75% of all U.S. households without electricity.

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The Navajo Tribal Utility Authority has been hard at work connecting homes to power grids and installing generators.

At the same time, NTUA is working to electrify all homes on the Navajo Nation by 2020.

To help the American Public Power Association and NTUA develop the Light Up Navajo initiative, which connected more than 100 customers from 25 remote power distribution offices in April and May 2019.

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Mutual Aid 2019

PIQUA
Municipal Power System

Celina, OH

Shelby, OH

Tipp City, OH
AMP Lineworker Rodeo

- Team Overall Winners – 2nd
- Written Test – 2nd
- 2 Phase Cutout Change out – 2nd
- Mystery Event – 2nd
- Hurtman Rescue – 2nd
- Obstacle Course – 2nd

Tyler Martin - Kyle Brandewie - Kindric Link
ASAI (Average Service Availability Index - %)

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

- 2014
- 2015
- 2016
- 2017
- 2018
- 2019
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.

- 2014
- 2015
- 2016
- 2017
- 2018
- 2019
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.

- 2014
- 2015
- 2016
- 2017
- 2018
- 2019
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.
City of Piqua
Outage History

 Unscheduled Outages

--- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | ---
# of Outages | 171 | 257 | 229 | 171 | 235 | 128 | 177 | 169 | 154 | 106 | 108 | 112 | 70 | 102 | 123 | 81
<table>
<thead>
<tr>
<th>Rank</th>
<th>Customer</th>
<th>Total Revenue</th>
<th>Total Annual KWH</th>
<th>Annual Peak KWH</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Jackson Tube</td>
<td>$1,160,895.60</td>
<td>11,730,600</td>
<td>3864</td>
</tr>
<tr>
<td>2</td>
<td>Plastic Recycling Tech Inc</td>
<td>$1,154,221.92</td>
<td>15,495,200</td>
<td>2667</td>
</tr>
<tr>
<td>3</td>
<td>Hobart Brothers Piqua FMO</td>
<td>$1,056,795.82</td>
<td>13,548,150</td>
<td>2604</td>
</tr>
<tr>
<td>4</td>
<td>Evenflo Company Inc</td>
<td>$956,887.20</td>
<td>12,684,562</td>
<td>2313.74</td>
</tr>
<tr>
<td>5</td>
<td>Hartzell Propeller</td>
<td>$824,817.17</td>
<td>10,366,344</td>
<td>1926.6</td>
</tr>
<tr>
<td>6</td>
<td>Crayex Corp</td>
<td>$801,414.06</td>
<td>11,397,290</td>
<td>1669.9</td>
</tr>
<tr>
<td>7</td>
<td>Piqua Materials</td>
<td>$748,555.03</td>
<td>7,015,722</td>
<td>2657.58</td>
</tr>
<tr>
<td>8</td>
<td>Polysource</td>
<td>$646,770.28</td>
<td>8,181,360</td>
<td>1626.48</td>
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<tr>
<td>9</td>
<td>Hartzell Industries</td>
<td>$575,941.26</td>
<td>6,861,400</td>
<td>1554</td>
</tr>
<tr>
<td>10</td>
<td>City of Piqua</td>
<td>$530,864.48</td>
<td>6,521,846</td>
<td>2045.81</td>
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</tbody>
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