



BRYAN
Founded 1840

2017 Annual Report

Board of Public Affairs

Report Contents

Management Report	2
Electric Department	4
Water Department	6
Communications Department	8
Power Plant	10
Auglaize Hydroelectric Plant	12
Financial Reports	14
Employee Years of Service	21

Bryan Municipal Utilities is dedicated to providing high quality, affordable electric, water and communications services to the Bryan area. We are committed to being responsive to the ever changing needs of our community through an active partnership with those we serve. We are devoted to enhancing the quality of life in our service area and aiding in its economic development while operating in a publicly responsible manner.



From Left: Tom Sprow (Vice Chair), Bob Eyer, Karen Ford, Jim Salsbury, Dick Long (Chair)

The Bryan City Charter charges the Board of Public Affairs with “control and supervision over the operations and personnel of the electric and water utilities, including paying and setting the wage of each of its personnel, and such other functions and duties assigned to it by the Council.”

The BPA consists of five city residents elected at large by Bryan voters to four-year, overlapping terms. Mayor Carrie Schlade serves as an ex-officio Board of Public Affairs member.

The BPA acts in a similar capacity to City Council—authorizing utility policies, rates, budgets and staffing in the same manner City Council oversees the municipal fire, police, parks and recreation, wastewater, engineering and street departments. This specialization frees Council to concentrate on these critical areas of city governance while the Board of Public Affairs works exclusively to provide reliable, competitively-priced utility services to the people and businesses of Bryan.

While this governance model is less common in many smaller municipalities, it is more frequently found in larger cities across the United States such as Los Angeles and Sacramento, Calif., Lansing, Mich., Jacksonville, Fla., and San Antonio, Texas. This model makes for more responsive and responsible local government—its long record of success in Bryan speaks for itself.

The BPA regularly meets on the first and third Tuesdays of each month at 5 p.m.. The meetings are open to the public and are broadcast on BMU cable television.

Management Report



Dawn Fitzcharles
Operations Manager

Kevin Maynard
Director

Richard Long
BPA Chair

Bryan Municipal Utilities is the community-owned, not-for-profit provider of electric, water and communications services to the Bryan area. However, our mission extends well beyond these simple facts.

As we look back on a successful 2017 and set our course for 2018, our organization is focused on a number of key areas including:

- Reliable service
- Competitive costs
- Quality of life enhancement
- Economic development



Reliable service – The American Public Power Association (APPA) is the trade and service organization for more than 2,000 U.S. community-owned electric utilities. APPA’s Reliable Public Power Provider (RP3) program recognizes municipal utilities that demonstrate high proficiency in four areas: Reliability, Safety, Workforce Development and System Improvement. BMU first received RP3 certification in 2006, and is currently RP3 certified through 2018.

On March 30, 2017, APPA issued BMU a Certificate of Excellence in Reliability for “significantly outperforming the electric industry national average as reported by the Energy Information Administration.” In 2016, BMU’s System Average Service Availability Index (SAI) – a measure of the percentage of the year the electric distribution system was in service and available to our customers – was 99.9956%.

Capital improvement budgets for the electric, water and communications utilities were all increased in 2018. These planned improvements will help provide continued reliable service and rate stability, while ensuring our community has the necessary infrastructure in place to not only support existing customers but also future economic development.

Competitive costs – BMU is billed capacity and transmission charges based on Bryan’s electric system load during peak demand periods. Peak demand periods typically occur during extreme summer and winter temperatures. By operating the Municipal Power Plant generators, Auglaize Hydroelectric Plant and Bryan Solar Field, electric system load is decreased during peak demand periods, resulting in reduced capacity and transmission costs.

In 2017, operation of the Bryan Water Treatment Plant and wells was interrupted during peak demand periods. Water system pressure was maintained during these interruptions using the two BMU elevated storage tanks (water towers). BMU also requested voluntary conservation efforts by other City departments and customers to further reduce electric demands.

As a result of these efforts, capacity and transmission credits are projected to save local consumers \$4.5 million on electric bills in 2018.

In August, the Board of Public Affairs approved the first step of a proposed three-year electric rate plan. While the rate adjustment was designed to be overall revenue neutral, customers typically experienced reductions of approximately 2.2% to 6.5% in their monthly electric bills.

In June, pending completion of the electric rate plan, the Board of Public Affairs froze the Power Supply Cost Adjustment (PSCA) that is applied to electric bills. Following adoption of the new rate plan, the Board waived collection of \$168,669 in power supply costs that otherwise would have been recovered from local electric consumers.

Quality of life enhancement – In 2017, the Board of Public Affairs authorized providing electric service without charge to new LED soccer field lighting in Bryan Recreation Park.

In 2018, new LED streetlights will be installed in the 200 block of West Butler Street, replacing aging steel poles with the acorn-style streetlights that illuminate the courthouse square. The project includes placing electric lines serving these new streetlights underground, as well as new sidewalks and tree plantings. Eleven new LED streetlights will be installed on Winzeler Drive in the Bryan Industrial and Commercial Park this year. These street lighting projects are designed to improve traffic and pedestrian safety in their respective areas. Winzeler Drive 2018 improvements also include relocating overhead electric distribution lines to rear lot areas and additional tree plantings.

Aging four-inch and eight-inch water mains on South Walnut and East South streets will be replaced with new eight-inch water mains, fire hydrants and customer service lines this year, and by year-end 2018, BMU plans to offer Internet speeds of up to 30 megabits per second (Mbps) to its residential consumers and 100 Mbps to business customers.

Economic development – In November, the Board of Public Affairs amended Electric Schedule EDR Economic Development Rate as an additional business attraction, expansion and retention incentive. Schedule EDR participants are eligible to receive billing credits or rebates for up to three successive 12-month periods for new or increased electric loads. This is a performance based incentive – customers must grow and sustain increased loads to qualify for rebates. Load growth reduces average power supply costs for all customers, increases contributions to the City’s General Fund, and typically results in more local jobs.

In spring 2017, the City of Bryan began the SiteOhio authentication process for Bryan Industrial Park North. This JobsOhio program certifies available commercial and industrial sites as “development ready.” SiteOhio authentication requires completion of numerous due diligence checklist items and documentation of site characteristics. Under the program, JobsOhio assists in marketing certified sites. In March 2018, the City of Bryan received formal notification that Bryan Industrial Park North achieved SiteOhio authentication. This designation will make the site more attractive to prospective industries.

We appreciated the opportunity to be of service to our community in 2017 and look forward to helping make Bryan an even better place in which to live, work and spend leisure time in 2018.

Dawn E. Fitzcharles *Kevin M. Maynard* *Richard Long*

Electric Department

In 2017, the Bryan Electric Department completed a number of capital improvement and maintenance projects in key organizational strategic areas of Service Reliability, Economic Development, Quality of Life Enhancement and Competitive Costs.

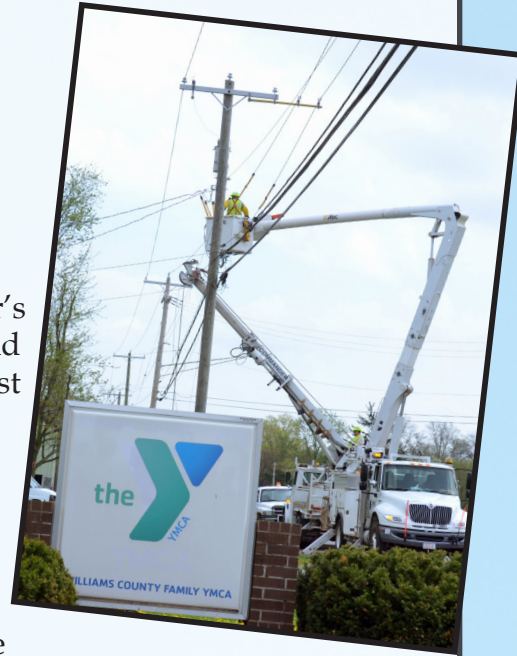
In 2017 the Electric Department completed many projects designed to improve reliability. Service upgrades at Bryan Elementary School, YMCA, Balser Industries, Oberlin Recycling, Yanfeng, PMF and H-Machine improved service reliability to these business and institutional customers.

The Electric Department completed a number of overhead to underground distribution feeder conversions and also underground feeder replacement projects including East Village Addition, Weaver's Subdivision, South Lynn and South Beech Streets between Center and West Pierce Streets, the 900 block of South Allen Street (East and West sides), and the 900 block of Townline Road.

Increased service reliability was also achieved by rebuilding overhead transmission and distribution lines and replacing 106 wooden poles throughout the electric system. Overhead line rebuild projects occurred on Barder Parkway, East South Street, 500 Block of North Allen Street, at Spangler Candy Company and maintenance on the OMEGA JV4 69,000-volt transmission line between Bryan and Chase Brass and Copper Company.

Miscellaneous reliability improvement projects included replacement of a transformer at A-Stamp due to lightning damage, brush removal, vegetation canopy control and gate replacements on the Marquis Corridor 138,000-volt transmission line right-of-way, reinforcement of three poles for extended life, and Hydro-Vacuuming Cherry Street Substation conduits for a termination rebuild project. All of these projects improved BMU customer electric service reliability.

Last year, the following projects that supported local Economic Development were completed: Ohio Art Company service installation, Town and Country service upgrade, Community Health Partners service extension, Point of Greenfield service extension, Bard Manufacturing Company expansion, and a service extension on County Road 12.



The BMU Electric Department was involved in a number of Quality of Life enhancement projects in 2017 including Winzeler Drive street lighting, Street Department terrace tree removal, Ohio Art Company streetlight installation, Mayberry Drive street lighting, Shalom Counseling Center parking lot lighting, County Road 15 Storage Unit lighting, East Wilson Street Storage Unit lighting, Bryan Recreation Park Field No. 5 Oil Switch rework, Center Street streetlight installation, BMU office holiday lighting, Best One Tire drive lighting, South Union Street and East Fountain Grove Drive lighting and providing mutual aid assistance in electric service restoration at Tallahassee and Ocala, Florida, in the wake of Hurricane Irma.

Finally, BMU continues to look for new ways to help keep electric rates competitive. We strive to keep expenditures within approved budgeted amounts and reduce project costs through non-traditional methods such as directional boring and hydro-excavation. The Electric Department was involved in a number of energy efficiency projects last year including cooperating with City Engineering on installation of solar-powered school zone lights on South Portland Street by St. Patrick Catholic School and at the new Bryan Elementary School on Center Street. T8 fluorescent lights were converted to LEDs in the BMU office and Electric Department facility, reducing energy use by approximately 80%. The Electric Department will endeavor in 2018 to keep electric costs competitive for customers through innovation and technology.



Water Department

The past year was filled with activities designed to help ensure reliable water service, competitive costs and regulatory compliance.

Bryan’s municipal water system includes seven wells that supply high quality groundwater for domestic, business and firefighting purposes. Flow tests were conducted on each well in 2017 to identify potential maintenance or reliability issues. Based on flow test results, a number of maintenance issues were addressed at Well #7. The well’s motor and pump were rebuilt, its screen was cleaned, and an eight-inch check valve and eight-inch gate valve were replaced. A check valve at Well #1 was also replaced, while computer controls at Well #2 were updated.

The Water Treatment Plant continuous chlorine monitor was replaced in 2017. This device helps ensure finished water chlorine concentrations remain within an acceptable range. Staff replaced a water pressure transducer and water distribution system pressure chart recorder last year. An auto-dialer designed to notify emergency personnel in the event of a chlorine gas leak was also replaced. The water distribution system consists of approximately 70 miles of water mains. Some of these water mains and related system components are more than 100 years old. To maintain reliable service, ensure that adequate infrastructure exists not only to support today’s customer needs but to allow for future economic development, and to help manage operation and maintenance costs, approximately 3,700 feet of aging infrastructure must be replaced annually.



The Water Distribution crew installed 465 feet of eight-inch PVC water main in the 200 block of North Lewis Street to replace an aging four-inch cast iron water main. The City of Bryan reconstructed and widened the 100 block of East South Street last year. As part of this project, 486 feet of eight-inch PVC water main replaced an eight-inch cast iron water main that had experienced a number of maintenance issues. In addition to providing more reliable service, these water main improvements improved fire protection to residents and businesses in their respective areas. Approximately 4,600 feet of aging water distribution infrastructure on South Walnut, East South and West Bryan Streets is scheduled for replacement in 2018.

A water distribution system leak survey was conducted in 2017. A leak detection firm used high tech listening devices to locate leaking underground water infrastructure. The Water Distribution crew repaired all 24 issues identified during the survey, reducing operation and maintenance expenses associated with these leaks.



The Ohio Environmental Protection Agency (Ohio EPA) has directed Public Water Systems, including Bryan, to develop maps showing all known and suspected lead customer service lines. Many hours were spent identifying lead service line locations to meet this requirement. The resulting map will be useful in continuing efforts to eliminate lead service lines in our community. Customers are encouraged to contact Bryan Municipal Utilities with questions or concerns regarding lead service lines.

For many years, Bryan Municipal Utilities has maintained an Emergency Contingency Plan for Water System Operations as mandated by Ohio EPA. The Plan allows for more expedient and effective decision making if a water system emergency occurred. The Plan is updated annually. However, new regulations required a complete rewrite of this extensive document last year.

In 2017, manganese tests were conducted weekly on all wells and finished water. Manganese naturally occurs in local groundwater, although it doesn’t pose any known adverse health risks. High manganese concentrations can discolor water, stain plumbing fixtures and create an unpleasant metallic taste. Manganese is removed at the Bryan Water Treatment Plant. Last year’s test results showed concentrations were within acceptable ranges. Staff also performed triennial lead and copper testing and will likely begin conducting these tests annually in 2018.



The Ohio EPA conducted triennial recertification of the Water Treatment Plant bacteriological laboratory and laboratory analysts. Laboratory staff conducted more than 500 bacteriological tests last year.

The Insurance Services Office (ISO) provides statistical information and advisory services to the insurance industry and ranks communities based on their effectiveness to respond to structural fires within their jurisdictions. ISO ratings are determined by evaluating a community’s Emergency Communications (10%), Fire Department (50%) and Public Water System (40%). A community’s ISO rating impacts insurance rates paid by its businesses and residents. In 2017 the City of Bryan received notification that its ISO rating improved from 3 to 2 effective March 1, 2018. There are only three Ohio jurisdictions – out of approximately 2,500 – that currently have a higher ISO rating than Bryan.

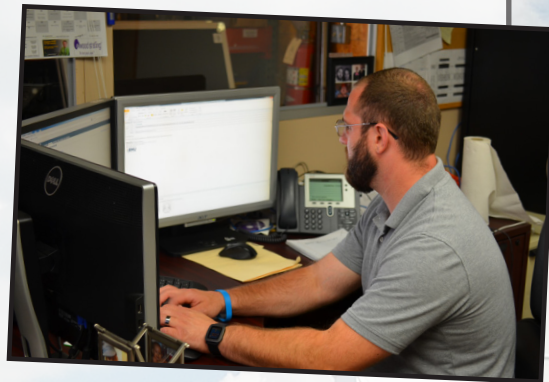
Communications Department

The Communications Department continued its efforts in 2017 to improve service quality and reliability, offer additional programming and remain cost competitive with other area providers of cable television, Internet, and fiber optic network services.

One of Bryan Municipal Utilities' challenges is offering new programming while keeping rates competitive despite rapidly escalating programmer fees. Cable television rates were not adjusted in 2017; however, new programming—including the Olympic Channel on the Digital Basic and Digital High Definition (HD) service tiers—was offered to subscribers last year. AMC HD was also launched on the Digital HD service tier.

Internet bandwidth requirements increase daily. Many customers now stream much of their content, placing greater demands on communications networks. To meet this growing need, Bryan Municipal Utilities upgraded a main circuit in 2017. Staff also completed engineering and design for a 2018 Internet system upgrade that will offer greater Internet speeds, improving customers' experience with entertainment devices in the near future.

The Communications Department upgraded the Cisco telephone system equipment that provides voice service to Bryan Municipal Utilities and other City of Bryan offices last year. This improvement allows City staff and outside contacts to communicate much more quickly and efficiently. The main servers that operate Bryan Municipal Utilities' software systems and maintain the municipal network were also upgraded.



The Communications Department completed several fiber optic and network projects in 2017, including Bryan City Schools and Northwest Ohio Computer Association (NWOCA) main fiber. This project included removal of equipment from three buildings before they were razed by the school district. Staff also completed a fiber optic project for Metalink in which an entirely new route was installed to provide communications between the firm's various facilities.

Last year the Communications Department BMU TV video team deployed a new video production trailer that improved operational efficiency, reliability and flexibility. The BMU video trailer can be seen at area events and functions, bringing high quality, original local programming to subscribers and our community that can't be obtained from any other source. Live broadcasts of Board of Public Affairs and City Council meetings are produced by the BMU TV video team at no additional cost to local subscribers.



In January 2018, the Board of Public Affairs decreased the up to 8 Mbps high speed Internet service rate, reducing the monthly charge from \$38 to \$30—a decrease of more than 20%.

By year end 2018, Bryan Municipal Utilities plans to offer its customers higher speed Internet options—up to 30 Mbps for residential service and up to 100 Mbps for business customers. Plans for additional system upgrades in 2019 are already in the works.



Power Plant



The Bryan Power Plant staff are charged with reliably and cost effectively operating and maintaining three natural gas combustion turbine generators, a Nordberg diesel generator and the Auglaize Hydroelectric Plant. The primary purpose of these locally-sited generating units is to provide an emergency backup source of power in the event of a major service interruption, to reduce capacity and transmission costs that would otherwise add millions of dollars to local electric bills, and to reduce the amount of energy purchased from other resources.

Power Plant staff successfully reduced peak electric demands and costs in 2017 while maintaining local generating equipment in readiness in case of emergency. Municipal Power Plant generators, the Auglaize

Hydroelectric Plant and Bryan Solar Field successfully reduced Bryan's electric demand during all five of the Pennsylvania-New Jersey-Maryland (PJM) Interconnection regional transmission organization's coincident capacity peaks as well as the one-hour American Electric Power (AEP) transmission peak demand. Coupled with voluntary conservation efforts by city departments and local electric consumers, this peak demand reduction effort is projected to save Bryan electric customers approximately \$4.5 million in 2018.

Power Plant staff completed several significant maintenance items during 2017. Insulation on Westinghouse 191 combustion turbine GT#1 and its exhaust stack was replaced. The new insulation blankets can easily be removed for unit maintenance. The high temperature flex joint between the combustion turbine exhaust and exhaust stack was also replaced.



The Power Plant's 150,000-gallon fuel storage tank north of Wilson Street was sandblasted and repainted using a two-part epoxy primer and satin finish top coat. This new coating will provide many years of protection and help keep the facility looking well maintained.



The most recent BMU transmission and distribution system study recommended distribution feeder protective relay setting adjustments to better coordinate circuit tripping for improved electric service reliability. All substation distribution feeder protective relay settings were updated last year. To increase lineworker safety, additional relay settings were incorporated to quickly trip circuits when selected.



Industrial Diesel Service conducted an engine condition evaluation on the Nordberg nine-cylinder, 2.5-megawatt diesel generator. Combustion pressures, timing and exhaust temperatures were checked, and crankshaft deflection measurements were compared with past readings. Power Plant Compliance collected exhaust flow and temperature data to begin the design process for a Diesel Oxidation Catalyst that will allow the Nordberg to meet new air emissions standards and to be used for peak shaving. The test results look promising and installation of a Diesel Oxidation Catalyst is planned in 2018.

Auglaize Hydroelectric Plant

The Auglaize Hydroelectric Plant had a very successful and productive 2017. With optimal river conditions early in the year, the hydroelectric plant experienced its second best annual energy production since Bryan Municipal Utilities purchased the green energy facility in 1996. From January through July 2017, plant generation averaged more than 1,400,000 kilowatt-hours per month. Late summer turned very dry, limiting energy production. Total 2017 energy production was 10,921,089 kilowatt-hours, enough to supply the annual electric energy needs of 1,268 typical Bryan area residences.



From April 15 to July 1 each year, the Auglaize Hydroelectric Plant operates as a run-of-the-river generating facility. From July 1 until winter flashboard removal, the Plant has the ability to store two feet of water behind flashboards atop its concrete dam. If needed, the generators can be cycled on and off during peak electric demand periods. By careful utilization of the summer water pool, the Auglaize Hydroelectric Plant reduced Bryan's peak electric demands by 2 to 3 megawatts during 2017 transmission and capacity coincident peaks.

The sheet of water flowing over a dam is referred to as its "nappe." If air is not introduced into the nappe, water flowing over a dam can create vibrations that may damage the dam and powerhouse over time. The Auglaize Hydroelectric Plant dam originally consisted of hollow bays on its overflow spillway side that were connected to a vent shaft on the dam's upstream side. Over a number of years, the hollow bays were filled with concrete as a dam safety improvement and to reduce excessive water leakage. Ventilation of the overflowing nappe was not included in these improvements. As a result, potentially damaging vibration occurred during certain river flow conditions. In 2017, three "nappe vents" were installed below the overflow spillway to penetrate the nappe and eliminate negative air pressure behind the overflowing water. By equalizing the air pressure, the vibration was mitigated, protecting the dam and powerhouse.



The three dam floodgate lifting support beams were repaired last year. Concrete pockets in which floodgate support beams rested had deteriorated due to seasonal expansion and contraction. The concrete beam pockets were reconstructed and the support beams placed on bearing pads that will accommodate seasonal expansion and contraction.



Financial Highlights

Electric Department	2017	2016	Change	% Change
OPERATIONS				
Income	\$24,272,615	\$21,599,614	\$2,673,001	12.4%
Expenses	21,934,861	19,055,666	2,879,195	15.1%
Margin	2,337,754	2,543,948	(206,194)	-8.1%
FINANCE				
Capital Improvements	880,125	434,064	446,061	102.8%
Generator Maintenance Fund	15,170	22,010	(6,840)	-31.1%
Capital Improvement Reserve Fund	4,500,000	0	4,500,000	
Fund Balance Dec. 31	9,201,185	12,258,726	(3,057,541)	-24.9%
Total Meters	6,051	6,057	(6)	-0.1%
Total Metered kWh	183,925,175	188,325,041	(4,399,866)	-2.3%
Peak Demand (kilowatts)	39,210	41,020	(1,810)	-4.4%

Water Department

OPERATIONS				
Income	\$2,046,686	\$1,967,302	\$79,384	4.0%
Expenses	1,480,161	1,501,585	(21,424)	-1.4%
Margin	566,525	465,717	100,808	21.6%
FINANCE				
Capital Improvements	294,722	242,561	52,161	21.5%
Fund Balance Dec. 31	1,932,764	1,660,961	271,803	16.4%
Total Meters	3,870	3,875	(5)	-0.1%
Total Gallons	345,173,879	358,662,773	(13,488,894)	-3.8%

Communications Department

OPERATIONS				
Income	\$2,559,285	\$2,608,305	(\$49,020)	-1.9%
Expenses	2,007,239	1,981,378	25,861	1.3%
Margin	552,046	626,927	(74,881)	-11.9%
FINANCE				
Capital Improvements	49,969	49,056	913	1.9%
Debt Service	0	294,642	(294,642)	-100%
Fund Balance Dec. 31	2,316,477	1,814,400	502,077	27.7%
Total Customers	3,158	2,992	166	5.5%

Five Year Summary

Electric Department

	2017	2016	2015	2014	2013
Income	\$24,272,615	\$21,599,614	\$20,355,168	\$21,509,185	\$20,986,250
Expenses	21,934,861	19,055,666	18,030,435	19,257,095	18,507,714
Margin	\$2,337,754	\$2,543,948	\$2,324,733	\$2,252,090	\$2,478,536
Capital Improvements	880,125	434,064	2,276,666	1,448,824	743,792
Fund Transfers Out	4,515,170	22,010	10,890	167,342	172,653
Fund Balance Dec. 31	\$9,201,185	\$12,258,726	\$10,170,852	\$10,133,675	\$9,497,751
Meters:					
Residential	5,054	5,069	5,061	5,046	5,033
Commercial	705	697	700	695	698
Industrial	58	58	56	53	52
Unbilled Services	234	233	232	234	234
Total Meters	6,051	6,057	6,049	6,028	6,017
kWh Used:					
Residential	43,691,480	46,665,280	47,607,070	48,025,060	47,115,840
Commercial	25,805,790	27,037,855	29,024,771	28,004,048	28,420,807
Industrial	107,964,046	108,107,254	107,251,672	113,504,016	123,586,805
Unbilled Services	6,463,859	6,514,652	6,250,112	6,594,195	7,250,720
Total kWh	183,925,175	188,325,041	190,133,625	196,127,319	206,374,172
Peak Demand (kilowatts)	39,210	41,020	40,770	38,420	42,990

Water Department

Income	\$2,046,686	\$1,967,302	\$1,871,650	\$2,032,307	\$1,920,381
Expenses	1,480,161	1,501,585	1,457,472	1,347,453	1,360,867
Margin	\$566,525	\$465,717	\$414,178	\$684,854	\$559,514
Capital Improvements	294,722	242,561	284,911	452,499	308,117
Fund Balance Dec. 31	\$1,932,764	\$1,660,961	\$1,437,805	\$1,308,538	\$1,076,183
Meters					
Residential	3,230	3,237	3,263	3,194	3,112
Commercial and Industrial	609	608	612	623	616
Unbilled Services	31	30	30	32	53
Total Meters	3,870	3,875	3,905	3,849	3,781
Gallons Used					
Residential	137,779,356	140,258,228	144,068,540	144,518,836	146,670,084
Commercial and Industrial	174,217,428	184,980,400	212,489,596	256,792,140	235,999,984
Unbilled Services	33,177,095	33,424,145	30,938,535	30,469,854	27,424,950
Total Gallons	345,173,879	358,662,773	387,496,671	431,780,830	410,095,018

Communications Department

Income	\$2,559,285	\$2,608,305	\$2,495,181	\$2,446,391	\$2,416,891
Expenses	2,007,239	1,981,378	1,918,958	1,844,763	2,000,282
Margin	\$552,046	\$626,927	\$576,223	\$601,628	\$416,609
Capital Improvements	49,969	49,056	15,357	57,934	206,739
Debt Service	0	294,642	350,000	334,000	165,358
Fund Balance Dec. 31	\$2,316,477	\$1,814,400	\$1,531,171	\$1,320,305	\$1,110,611
Customers					
Cable TV Residential	1,442	1,518	1,597	1,593	1,790
Cable TV Commercial/Industrial	48	50	53	83	64
Cable TV Unbilled Services	21	19	18	18	18
Total Cable TV Customers	1,511	1,587	1,668	1,694	1,872
Internet Residential	1,495	1,241	1,418	1,405	1,421
Internet Commercial/Industrial	97	109	101	90	112
Internet Unbilled Services	15	16	15	15	15
Total Internet Customers	1,607	1,366	1,534	1,510	1,548
Fiber Commercial/Industrial	24	23	23	22	21
Fiber Unbilled Services	16	16	15	15	15
Total Fiber Customers	40	39	38	37	36
Total Customers	3,158	2,992	3,240	3,241	3,456

Electric Department

2017 Electric Operating Income and Expenses

Operating Income:	
Charges for Services	\$23,339,116
Other Operating Income	247,007
Total Operating Income	\$23,586,123
Other Income:	
Interest Income	\$88,106
Other Miscellaneous Income	598,386
Total Other Income	\$686,492
Total Income	\$24,272,615
Operating Expenses:	
Purchase Power	\$15,521,827
Power Plant Operations	1,192,404
Solar Lease	607,648
Distribution Operations	1,649,729
Billing and Accounting	602,890
Customer Service and Administration	763,874
Maintenance	92,744
Board of Public Affairs	46,175
Electric Communications	322,788
Hydroelectric Plant Operations	392,102
Total Operating Expenses	\$21,192,181
Other Expenses:	
Kilowatt Hour Tax to State of Ohio	\$64,382
Kilowatt Hour Tax to General Fund	678,298
Total Other Expenses	\$742,680
Total Expenses	\$21,934,861
Balance Available for Capital Improvements & Debt Services	\$2,337,754
Capital Improvements	
Power Plant	\$152,703
Distribution	499,223
Billing and Accounting	21,298
Customer Service and Administration	28,703
Electric Communications	0
Hydroelectric Plant	178,198
Total Capital Improvements	\$880,125
Transfer to General Maintenance Fund	\$15,170
Transfer to Electric Capital Improvement Reserve Fund	\$4,500,000
Total Expenses	\$27,330,156

2017 Fund Transactions and Balances

	Balance Dec. 31, 2016	Income	Expenditures	Capital	Balance Dec. 31, 2017
Electric Fund	\$12,258,726	\$24,272,615	\$21,934,861	\$880,125	\$9,201,185*
Utility Deposit Fund	167,352	40,687	39,593	0	168,446
Generator Maintenance Fund	209,615	15,170	0	0	224,785
Capital Improvement Reserve	0	4,500,000	0	0	4,500,000
TOTAL	\$12,635,693	\$28,828,472	\$21,974,454	\$880,125	\$14,094,416

* \$15,170 transferred to Generator Maintenance Fund

* \$4.5 million transferred to Electric Capital Improvement Reserve Fund

2017 Power Production Data

Gross Kilowatt Hours Generated by Power Plant	1,843,384
Gross Kilowatt Hours Generated by Auglaize Hydro	11,105,276
Gross Kilowatt Hours Generated by Solar Field	2,188,910
Total Gross Kilowatt Hours Generated	15,137,570

Kilowatt Hours Purchased	
Belleville Hydroelectric Project (JV5)	8,318,698
New York Power Authority (NYPA)	7,311,405
AMP Fremont Energy Center (AFEC)	32,557,398
Prairie State Energy Campus	63,250,195
Blue Creek Wind Farm	5,423,556
Landfill Gas	8,760,000
American Electric Power (AEP)	29,072,162
Meldahl Hydroelectric Project	6,479,549
Greenup Hydroelectric Project	3,420,344
AMP Hydroelectric Projects (CSW)	7,305,059
Morgan Stanley	20,148,000
CITI Group	6,839,712
Total of Gross Kilowatt Hours Purchased	198,886,078
Gross Generated and Purchased Kilowatt Hours	214,023,648

Kilowatt Hours Used	
Customer Metered Kilowatt Hours	183,925,175
OMEG Kilowatt Hours Sold	6,163,121
Auglaize Hydro Kilowatt Hours Sold	10,921,089
Power Plant Use	1,035,846
Kilowatt Hour Line Loss (5.6%)	11,978,417
Total Metered and Line Loss	214,023,648

Communications Department

2017 Communications Operating Income and Expenses

Operating Income:	
Charges for Services	\$2,483,217
Other Operating Income	40,850
Total Operating Income	\$2,524,067
Other Income:	
Interest Income	\$13,006
Other Miscellaneous Income	22,212
Total Other Income	\$35,218
Total Income	\$2,559,285
Operating Expenses:	
Supply and Distribution	\$1,922,537
Billing and Accounting	84,702
Total Expenses	\$2,007,239
Balance Available for Capital Improvements and Debt Service	\$552,046
Capital Improvements:	
Supply and Distribution	\$49,969
Billing and Accounting	0
Total Capital Improvements	\$49,969
Total Expenses	\$2,057,208

2017 Fund Transactions and Balances

	Balance Dec. 31, 2016	Income	Expenditures	Capital	Balance Dec. 31, 2017
Communications Fund	\$1,814,400	\$2,559,285	\$2,007,239	\$49,969	\$2,316,477

2017 Customer Data

	Cable TV	Internet	Fiber
Residential	1,442	1,495	0
Commercial & Industrial	48	97	24
Unbilled Services	21	15	16
Total	1,511	1,607	40

Water Department

2017 Water Operating Income and Expenses

Operating Income:	
Charges for Services	\$1,986,694
Other Operating Income	8,229
Total Operating Income	\$1,994,923
Other Income:	
Interest Income	\$13,002
Other Miscellaneous Income	38,761
Total Other Income	\$51,763
Total Income	\$2,046,686
Operating Expenses:	
Supply and Distribution	\$1,137,717
Billing and Accounting	107,560
Customer Service and Administration	234,884
Total Expenses	\$1,480,161
Balance Available for Capital Improvements	\$566,525
Capital Improvements:	
Supply and Distribution	\$255,590
Billing and Accounting	31,956
Customer Service and Administration	7,176
Total Capital Improvements	\$294,722
Total Expenses	\$1,774,883

2017 Fund Transactions and Balances

	Balance Dec. 31, 2016	Income	Expenditures	Capital	Balance Dec. 31, 2017
Water Fund	\$1,660,961	\$2,046,686	\$1,480,161	\$294,722	\$1,932,764
Utility Deposit Fund	167,353	40,687	39,593	0	168,447
Total	\$1,828,314	\$2,087,373	\$1,519,754	\$294,722	\$2,101,211

2017 Water Production Data

	Meters	Gallons Used
Residential	3,230	137,779,356
Commercial & Industrial	609	174,217,428
City of Bryan (Unbilled Service)	31	33,177,095
Total Metered	3,870	345,173,879
Bulk Water & Hydrant Meter Water		464,316
Filter Backwash/Production Water		1,977,800
Hydrant Flushing		5,500,000
Other		500,000
Total Other Water Use		8,442,116
Line Losses (28.2%)		139,000,005
Total Water Production in Gallons		492,616,000

Unbilled Utility Services

2017 Unbilled Utilities			
	ELECTRICITY	WATER	COMMUNICATIONS
Street and Security Lights	\$88,354	\$0	\$0
Utility Departments, Building & Facilities	214,523	15,070	71,680
Parks, Pools & Other Recreational Areas	46,002	34,044	0
Bryan Community Center	6,269	541	1,515
Municipal Departments, Buildings & Facilities	365,280	62,507	101,517
County Miscellaneous Facilities	3,412	0	6,876
Traffic Signals	11,206	0	0
Bryan City Schools	2,719	0	32,528
Day in the Park, Jubilee, Christmas Lights	2,481	404	0
Bard Fountain	5,316	459	0
Other	0	0	10,638
Total Unbilled Utilities	\$745,562	\$113,025	\$224,754

2017 Unbilled Labor, Materials & Utilities	
Electric Department	
Maintenance Services (Labor and Equipment) Provided	
Street Light Installation and Maintenance	\$19,806
All Other City Services and Civic Organizations	54,977
Total Unbilled Maintenance (Labor) Provided including Equipment	\$74,783
Materials Provided	
New Street Lights and Replacements	\$31,467
All Other City Services and Civic Organizations	5,959
Total Unbilled Materials Provided	\$37,426
Total Unbilled Electricity	\$745,562
Total Unbilled Labor, Materials, and Electricity	\$857,771
Water Department	
Maintenance Services (Labor) Provided	
Installation and Services to City Facilities	\$7,187
Installation and Maintenance of Fire Hydrants	29,868
Equipment	27,657
Total Unbilled Maintenance (Labor) Provided including Equipment	\$64,712
Materials Provided	
Water Lines and Services to City Facilities	\$2,753
New Fire Hydrants and Replacements	18,000
Total Unbilled Materials Provided	\$20,753
Total Unbilled Water	\$113,025
Total Unbilled Labor, Materials, and Water	\$198,490
Communications Department	
Maintenance Services (Labor) Provided	
Installation and Services to City Facilities	\$442
Total Unbilled Maintenance (Labor) Provided including Equipment	\$442
Materials Provided	
Cable and Accessories for Services to City Facilities	\$114
Total Unbilled Materials Provided	\$114
Total Unbilled Communications	\$224,754
Total Unbilled Labor, Materials, and Communications	\$225,310
Total Unbilled Utility Services (2017)	\$1,281,571

Employee	Title	Years of Service
Anongdeth, Jonathon	Part-Time Videographer	0
Armstrong, Shelley	Utility Account Clerk	6
Bayliss, Terri	Account Clerk	19
Beres, Rockie	Water Distribution Operator	7
Bostater, Sandy	Assistant Office Manager	26
Brandt, Adam	Lineworker Supervisor	22
Bryce, Kristopher	Part-Time Videographer	2
Buda, Pat	Assistant Deputy Clerk Treasurer	29
Caperton, John	Water Distribution Supervisor	18
Clark, Edna	Part-Time Videographer	0
Clark, Sam	Part-Time Videographer	1
Davies, Jessica	Account Clerk	4
Degroff, John	Laborer	11
Donato, Emily	IT Technician/Helpdesk Support	1
Douglass, Kevin	Power Plant Operator	0
Dunning, Jimmy	Water Treatment Plant Operator	3
Echler, Norm	Water Superintendent	32
Ferrell, Joe	Communications Superintendent	10
Fitzcharles, Dawn	Operations Manager	0
Fitzenrider, Chad	Water Treatment Plant Operator	3
Gardner, Nathan	Utility Engineering Supervisor	13
Geren, A.J.	Power Plant Operator	20
Gilbert, Aaron	Part-Time Videographer	3
Hensley, Suzy	Utility Engineering Assistant	22
Herman, David	Water Distribution Operator	3
Herman, Eric	Local Programming & Production Lead	12
Hosler, Michelle	Account Clerk	9
Hulbert, Brent	Power Plant Operator	20
Hulbert, Brett	Water Distribution Operator	26
Jackson, William	Part-Time Videographer	0.5
Killion, Matt	Power Production Superintendent	9
Kuney, Allison	Account Clerk	1
Longcore, Whit	Lineworker	4
Lucas, Pam	Part-Time Administrative Assistant	15
Lyons, Mike	Communications Technician	16
Malanga, Chris	Part-Time Videographer	12
Martin, Stewart	Utility Engineering Assistant	0
Maynard, Kevin	Director of Utilities	17
McClure, Kody	Network Engineer	2
Miller, Charlene	Part-Time Videographer	5
Moes, Tim	Power Plant Supervisor	5
Morman, Lisa	Account Clerk	1
Myers, Keira	Utility Account Clerk	21
Perry, Jackie	Human Resources Director	12
Plummer, Brad	Lineworker	3
Poynter, Britton	Utility Engineering Assistant	0.5
Ramos, Sylvia	Administrative Assistant	12
Rau, Kevin	Lineworker	25
Rode, Laura	Clerk Treasurer	12
Rohlof, Lisa	Account Clerk	24
Rupp, Justin	Lineworker	6
Schofield, Bob	Part Time – Auglaize	10
Schultz, Derek	Water Plant Supervisor	5
Smith, Jay	Meter Technician	24
Smith, Julie	Laborer	6
Smith, Shane	Lineworker	15
Steinke, Lee	Customer Service	3
Stimpfle, Todd	Communications Technician	11
Suffel, Brandon	Lineworker	13
Sullivan, Al	Electric Superintendent	23
Vollmar, Kevin	Mechanic	30
Wheeler, Lonny	Warehouse Worker	6
Wheeler, Tom	Power Plant Operator	18
Wilde, Patrick	Communications Technician	8
Wilson, Eugene	Water Distribution Operator	18
Zigler, Jay	Power Plant Operator	14



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