



Q & A



Videographer
Eric Herman

Q: What's happening on BMU-TV this fall?

A: This is our 8th season of Golden Bears football. We are broadcasting all the games. Our Friday night broadcasts are streamed live on the web, *bryansports.com*, and over the air on WQCT radio. The games are replayed Saturday nights at 7 p.m. on BMU-TV 3.

Golden Bear Sports Network GBSN is also providing full coverage of golf, cross-country, tennis and volleyball this fall.

A new addition to BMU-TV programming is the Alliance Church Network - *Ultimate*

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Lineworker Kyle Robinett prepares one of Bryan's new energy-efficient LED historical lights for installation. Energy savings on the new lights is about 50 percent.

Savings from energy efficient lights add up

Ten months and 1,459 lights later, the Bryan Electric Department has completed changing all the streetlights in the city of Bryan to energy efficient LED lights and now the savings are adding up.

"We are seeing about 50 percent savings in energy use with the new lights," said Brian Carlin, electric superintendent. "In the last 10 months during the installation process, we have saved an average 58,221 kilowatt hours per month. That equates to an annual savings of \$52,376, and those savings will help us keep electric rates low."

Bryan Municipal Utilities was awarded a 60/40 matching grant through the American Recovery and Reinvestment Act of 2009 to install approximately 1,400 energy-efficient streetlights. The Bryan electric crews replaced all of Bryan's streetlights, boulevard lights and security lights with high efficiency LED fixtures.

The crews started installing the lights in September 2010 and completed the work at the end of June. Carlin said the project required 4,156 personnel hours and 1,740 truck hours. In all, Bryan's crews replaced 1,459 fixtures, 32 poles, and 100 aluminum 10-foot streetlight arms.

"During the project, we sent in monthly progress reports with the number of lights installed and kilowatts utilized compared to the high-pressure sodium lights that were replaced," said Carlin. "Each type of fixture was metered and the readings were double-checked manually with AMP meters."

The Ohio Department of Development, which administered the grant, completed an on-site audit this summer. Based on the original project scope, they pulled samples to verify that the fixtures are operational in the system and the energy savings are as

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FALL CALENDAR

Oct. 3- 7 - Public Power Week, 8 am - 5 pm, BMU Lobby, 841 E. Edgerton St. Help us celebrate! Stop by for refreshments & pick up a free CFL.

Oct. 29 - Trick or Treat Night, 6 - 7:30 pm, Bryan

Nov. 8 - Election Day, Go vote!

Nov. 25 - Santa's Arrival Parade, Downtown Bryan

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recorded. They also completed a full financial audit.

The electric department budgeted \$900,000 for the project, but based on final expenses, the total project cost was \$763,088. BMU was awarded the full amount of \$540,000, making the utility's cost \$223,088 and the return on investment 4.26 years.

Reducing energy use means the utility is also achieving environmental savings. The kilowatt savings over a 15-year fixture life would remove 7,226 metric tons of CO₂ from the environment -- equivalent to the greenhouse gas emissions from consuming 810,090 gallons of gasoline.

"This project ties with our business goal to reduce our carbon footprint," said Utility Director Steve Casebere, "and using less energy helps us stabilize electric rates."

Additional savings realized from the project are operational hours working on streetlights. Carlin said it is very rare for the service truck to run on streetlights anymore, and he expects little maintenance for the next 10 to 15 years. "Our linemen have more time to do line work," he said.

"The electric crew really went to task on this project. Having competent, reliable crews allowed us to complete the project in a short amount of time, and we got better quality work because of the pride they have in their work and our community."

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Appetizers. This is a cooking demonstration show featuring every type of appetizer you can think of. It's on BMU Channel 3. We are still running *Bryan In Focus*, all the city government and school board meetings, and other city events. A complete schedule is on BMU-TV.



Water Operator Gus Hulbert cuts a piece of waterline to length for Clover Road.

Three waterline projects start in September

The Bryan Water Dept. has three water main projects lined up for this fall.

The department has contracted Nagel Construction of Napoleon to replace 1,445 feet of 4 and 6-inch cast iron waterline on Oxford Drive between Sunny Drive and Avenue B at a cost of \$159,100. Water Superintendent Norm Echler said the existing cast iron pipe is more than 60 years old and has required numerous repairs. New service lines to the 27 homes served by the waterline and three new fire hydrants will also be installed during the project. Work began in September and is expected to be completed by mid-November.

Another waterline project started in mid-September is a water main extension on South Union Street between South Street and Union Place Drive. S and S Directional Boring will directional bore 1,400 feet of 12-inch water main. Echler said the line extension will connect two dead ends in the system, creating a flow-through loop. This will increase flow rates for fire protection and improve water quality. The new water main provides a back-up water supply for the 102 homes in Union Place Subdivision. Project cost is \$131,670, and work is expected to be

completed before Thanksgiving. Two new fire hydrants are included in the project.

The BMU water crew is replacing 261 feet of four-inch cast iron waterline on Perry Street from Meyers Street to Williams Street. Echler said the new 8-inch water main will improve fire protection and prepare for future street improvements. They expect to complete the work by the end of October.

In August, the BMU crew replaced 353 feet of 4-inch cast iron pipe on Clover Road. Echler said this short piece had a lot of leaks. The water department installed new 8-inch pipe and one new fire hydrant.

In all, 3,459 feet of new water main will be installed – right on the department's annual target. Echler explained that waterline life expectancy is 100 years, so if they keep up the pace of .7 of a mile per year, in 100 years the 70 miles in the system will be replaced.

"The Bryan Water Department has been aggressively replacing water mains since the 1980s. Portions of the system are starting to reach the end of useful life. We must continue to be proactive," said Echler.