



### *About Us*

Directly connected to over 68,000 households and businesses in the City of Clarksville, CDE Lightband provides reliable utilities delivered at the speed of light. Our service area, consisting of 100 square miles within the municipal boundaries, includes 892 miles of power lines and 960 miles of fiber optic cable.



Our world-class Fiber Optic Network keeps electric costs low and allows us to deliver exceptional products and constant innovation. The network provides savings of over \$1 million annually in operating costs and provides over \$5 million annually in income for electrical grid improvements that result in half as many large-scale power outages compared to peer cities.

Additionally, access to our network increases home values by 3% or an average of over \$5,000, according to the Fiber to the Home Council. Based in large part on access to the superior digital products provided by CDE Lightband, Clarksville has been designated a first 50 "Next Century City."

CDE Lightband offers Electricity, Internet, Digital TV and Telephone services with blazing fast speed and superior performance ... with the additional convenience of 24/7 local support and bundling all your utilities into a single bill.

Our staff includes 175 full-time employees, a management team with over 100 years of combined industry expertise and governance provided by a board of five local business leaders.



### *Our History*

Founded in 1938, Clarksville City Council approved and appointed members of the first Electric Power Board, and 19 employees were hired to run the day to day operations of 'The Electric Light Office'.

Soon after in 1940, Clarksville Department of Electricity moved to the Federal Building around the corner. Now home to the Customs House Museum & Cultural Center, this new location is known for its architecturally unique building built in 1897 as a Customs House and post office.

In 1982, in an effort to bring all employees and operations under one roof, a new facility was built. At that time, the location selected was outside of City limits with plenty of space around, but now lies on one of the most traveled roads surrounded by both commercial and residential areas.



### *Fiber Optic Network*

A referendum in 2006 passed asking CDE to 'offer additional services', which allowed the Utility to add Internet, Digital TV and Telephone services over the Fiber to the Home (FTTH) network. This network would allow for remote meter reading and service connects and disconnects, with the thought of the broadband services bringing an offset of costs of the fiber buildout.

Through the years, fiber has proven itself as a solid investment. The Broadband system provides millions of incomes annually to put back into the Electric system for major investments such as substation buildouts and upgrades. Currently, CDE Lightband is in process of building its thirteenth substation, which will make this our 3<sup>rd</sup> new substation and 2 rebuilds done within a 5-year period. All of this is funded through profits raised by the Broadband system. Internet speeds continue to grow superior beyond any other with the point to point availability of Fiber to the Home. CDE Lightband has been rated as one of the top 20 Internet Service Providers in the US by Netflix, and now offers speeds up to 10 Gigs.



CDE Lightband's new two-story Supervisory Control and Data Acquisition (SCADA) Center, just opened in August 2016, and is the nerve center of the electric power delivery system. By using the fiber optic network through SCADA, Engineers and Technicians in the Center can now monitor the entire electric system in real time with live maps, diagnose outages, redirect the flow of power if necessary and direct crews for repairs.



The central focus of the two-story observatory room is a wall of 16 flat screen 50-inch monitors with touch screen capability, weather diagnostic information and other tools that make system reliability the forefront focus of our Operations and Engineering team. "This the most modern and up-to-date technology available," said Brian Taylor, CDE Lightband General Manager, at the grand opening ceremony. "The reason we have it is to provide the fastest and best service to our electric power customers – who, of course, are the citizens of Clarksville and our ratepayers."

### *Community Partners*

CDE Lightband is proud of our place in the community. Being the City of Clarksville's electric and fiber to the home broadband provider, it is our responsibility to be a strong part of this



community. Clarksville is our home too, and we want to make it the best place to live, work and raise your family. We focus our support on the main areas of Education, Growth and Promotion. Our efforts in the community were given formal recognition by receiving both the TMEPA and APPA Community Service Awards, which recognizes no more than 3 utilities a year for being a 'good neighbor' and commitment of the utility and employees to the community.

CDE Lightband supports youth education in its community; in the past year, employees created a mobile classroom to teach children about electricity distribution and safety, and

worked with local schools to provide access. Our tailor-made, and highly requested, Safety Demonstration Trailer will walk you through each step of our lineman and engineers up through the fiber connection to your home which allows your



meter to be read remotely and provide your home with the fastest internet speeds, television and phone. Our trailer also offers a 15-foot pole that allows our lineman the capacity to show climbing demonstrations with their full safety gear on so all students and viewers get the full effect.

CDE Lightband was also honored with the STEM Partner of the Year award while attending the 2016 Clarksville-Montgomery County School System (CMCSS) Partners in Education Breakfast.



The recipient of the STEM Partner of the Year contributes to STEM programs through activities such as teacher externships and classroom demonstrations. These partners are committed to helping teachers make concrete connections to math and science standards taught in the classroom, potential career paths for their students and community issues.

Clarksville's rapid growth, military population, state university, nationally recognized public school system, and small town values create a unique opportunity for the utility to educate children and adults about the importance of reliable power and broadband for economic development.

