



# TLG INSIDER

THE LANE GROUP QUARTERLY NEWSLETTER

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## ISSUE NO.9



engineering | architecture | environmental

Abingdon, VA | Big Stone Gap, VA | Galax VA

### 02 LEE COUNTY COMMUNITY BREAKS GROUND FOR NEW WATER SERVICE

On May 23, 2019, the Lee County PSA broke ground for the Frog Level Phase II Water System Project in Western Lee County.

### 02 IN THE COMMUNITY

TLG strives to give back to the communities in which we work and live.

### 03 TLG SPRING WALKING CHALLENGE

During the month of April, TLG employees were encouraged to get out of the office.

### 03 FEATURED EMPLOYEE

Get to know "The Group".

### 04 FEATURED PROJECT

Water Distribution System and Leak Detection Project





## LEE COUNTY COMMUNITY BREAKS GROUND FOR NEW WATER SERVICE

On May 23, 2019, the Lee County Public Service Authority broke ground for the Frog Level Phase II Water System Project in western Lee County. The project consists of the construction of approximately 31,500 linear feet of water line and will bring much needed water service and fire protection to 46 households in the community.

Funding for this project, totaling \$1.5 million, was provided by the Virginia Department of Housing and Community Development, Appalachian Regional Commission, and the Virginia Department of Health.



Pictured left to right: Tracy Puckett-Lee County PSA Director, Aaron Stacy-Lee County PSA Board Member, Robert Smith-Lee County BOS Member, Duane Miller-LENOWISCO PDC Executive Director, Chris Mullins-The Lane Group Partner, and Dane Poe-Lee County Administrator

## IN THE COMMUNITY

### TLG awards first J.C. and Pearl Lane Memorial Scholarship:

J.C. and Pearl Lane were part of what is known as "The Greatest Generation". They lived their lives to leave the world a better place than they found it. Even though neither of them graduated from high school, they placed a tremendous importance on higher education, so much so that they worked, sacrificed, and saved so they could send their son, Bobby Lane, to college. Bobby attended the engineering school at Virginia Tech and was the first member of the Lane family to attend or graduate from college. The Lane Group, which was founded by Bobby and Matthew Lane, currently employs over 35 individuals in southwest Virginia. Our company exists because of the sacrifice and selflessness of J.C. and Pearl Lane and we are pleased to honor them by presenting this scholarship.

The scholarship was offered to students interested in architecture or engineering at local high schools throughout TLG's service area. The first \$2,000 scholarship was awarded to Mr. T.J. Taylor. T.J. graduated from



Scholarship Recipient  
**Mr. T.J. Taylor**

Abingdon High School at the top of his class. In addition to his outstanding work in the classroom, he is an exceptional athlete who has represented the Falcons on both the football field and on the baseball diamond. He is a leader and served as President of the National Honor Society and Vice President of the Student Council. And perhaps most importantly, he is a young man of faith in Christ who serves in his church. T.J. plans to pursue a degree in aerospace engineering while attending Virginia Tech. We are excited for what the future holds for this young man and we have no doubt that just like J.C. and Pearl Lane, he will live a life that will leave this world a better place.

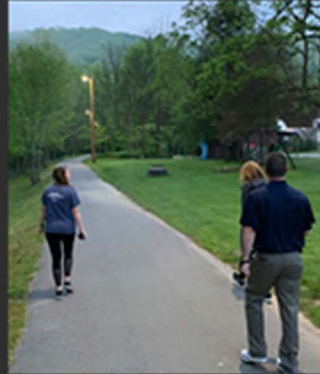
To learn more about the scholarship, please contact April Lane at (276) 206-8571.



## TLG WALKING CHALLENGE

TLG held its Spring Fitness Challenge with 22 of our 35 employees competing. Participants were divided into two teams - TLG East and TLG West.

All totaled, team members walked almost 9 million steps, or approximately 3,950 miles! It was a very close competition throughout the month, but TLG West pulled away during the last week. The top walkers received a small prize and TLG West was treated to a pizza lunch. In addition, the coveted TLG Fitness Challenge trophy will remain at the Big Stone Gap office for now.



## FEATURED EMPLOYEE



TLG wants you to get to know "The Group". In this issue, we feature Mr. Steven Archer. Following eight years in the United States Army, Steven attended Virginia Western Community College. Steven began working as a CAD designer with Adams-Heath Engineering in 2007 and transitioned to TLG with the merger in 2013. Prior to his time with TLG, Steven spent several years as a CAD designer with another A/E firm in Roanoke, Virginia.



Steven and his wife Mandy live in Galax with their daughters Kayla, a rising freshman at Galax High School, and Grace, a rising 6th grader at Galax Middle School. With two daughters who are avid musicians, the Archers spend a lot of time at band competitions, football games, and regional music festivals. Steven and Grace break away to the golf course as often as possible.



### Steven's contact information:

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## FEATURED PROJECT

# WATER DISTRIBUTION SYSTEM AND LEAK DETECTION STUDY - BRISTOL, VIRGINIA



The Bristol Virginia Utilities Authority (BVU) provides public water service to approximately 7,900 customers throughout the City of Bristol, Virginia and to a portion of Washington County, Virginia. BVU's water system includes a water treatment plant, approximately 109 miles of distribution lines, two booster pump stations, two pressure reducing valve stations, and five water storage tanks. BVU procured TLG to evaluate the needs of the existing system by performing the following tasks:

1. Inventory and update the existing water distribution system and updating system mapping.
2. Develop a system-wide hydraulic model using WATERCAD. The model will be used to help identify the location of pipe flow restrictions, bottlenecks, pressure problem areas, areas that experience significant leakage, and other similar system deficiencies. The model will be an invaluable tool not only for the leak detection project, but also for overall system operation and maintenance and for design of future system upgrades and extensions. The model can be used to determine available flows and pressures for potential developments throughout the City and to evaluate system improvements necessary to increase those flows and pressures if desired.
3. Develop Zone Metering. Locations will be recommended for the installation of main-line master meters within the system. The master meter assemblies can then be used to monitor and record total water usage within each respective portion (zone) of the water system.
4. Prepare a Preliminary Engineering Report. TLG will prepare a detailed Preliminary Engineering Report (PER) addressing the specific needs identified within the water system. The PER will document the background information assembled, the investigative procedures completed, the findings and the conclusions drawn, and will outline recommendations for a future course of action. The PER will also contain cost estimates for implementation of the proposed recommendations and will also identify potential funding sources that may be utilized.

