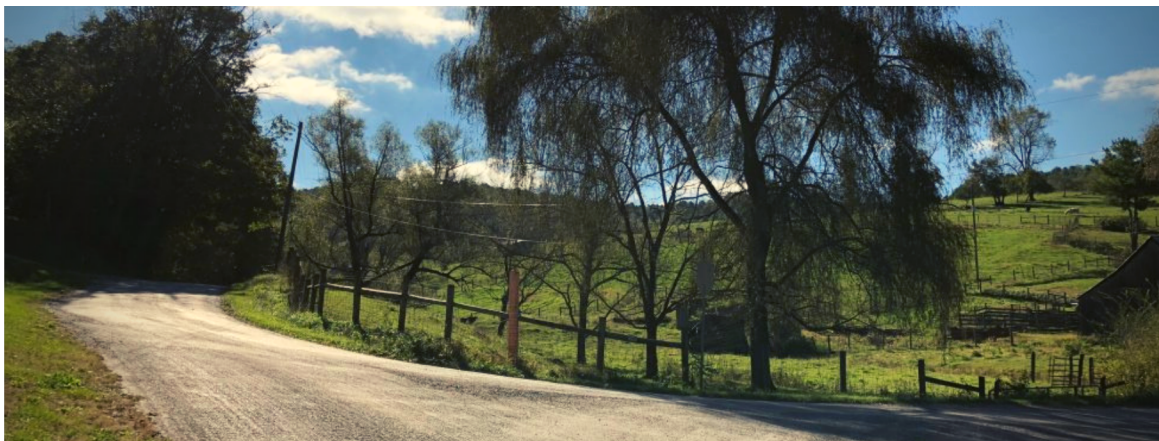


THE FINANCIAL & CONSTRUCTION ASSISTANCE PROGRAM IN THE OFFICE OF DRINKING WATER AT THE VIRGINIA DEPARTMENT OF HEALTH PRESENTS:

FCAP FILES: SUCCESS STORIES

Safe Drinking Water for a Healthy Virginia



RATTLE CREEK ROAD

Rattle Creek Road residents rally WCSA to bring water to their community

In 2015, Washington County Service Authority (WCSA) was approached by residents with complaints of poor water pressure, decreased quality of drinking water taste, and murky water caused by rain, which prompted bacteriological testing. Results indicated that the water supply tested positive for total coliform and *E. coli*. In 2018, VDH awarded WCSA with \$223,780 in funding. Construction of 6,000 linear feet of 8-inch and 2-inch waterline and all related appurtenances began at the start of 2019. When the project was completed in August 2019, water service had been provided to 12 single family residential homes with the potential to serve 2 additional homes. Connections were also made for 1 church and 3 additional homes that are being renovated by their owners. Rattle Creek Road residents now enjoy a safe and consistent drinking water supply.

FEATURING: PHILPOTT

FCAP'S LARGEST PROJECT TO DATE: \$14.5 MILLION, NEARING COMPLETION





PORT ROYAL

\$1.4M collaboration in a small, rural town

The Town of Port Royal is located in Caroline County, about 49 miles south of D.C. Their potable water system, originally built in 1942, had undergone several upgrades through the years, but limited funds caused the water system to spiral into poor condition. At the start of the project, the system consisted of two wells: a 21,000-gallon elevated storage tank and a distribution system serving approximately 126 people through 85 connections (78 residential). VDH issued a Notice of Violation in December 2014 for significant deficiencies related to the elevated storage tank and its structural integrity. It was estimated that the unaccounted water or leakage in the water distribution system was approximately 31% and would cost more than \$1M to repair.



Given the situation, the Town, Caroline County, VDH, USDA-Rural Development (RD) and others collaborated to provide a total of \$1,419,684 in assistance. The project started construction in January 2018. Upon completion of the 26,000-gallon atmospheric ground storage tank with two booster pumps and two bladder tanks, housed in a new 20-by-20 foot precast building, Port Royal now enjoys: better water quality and service and improved system pressures, less water loss and higher water accountability from new meters and water lines, safer and more reliable operations from new above-ground tank and booster station, and the ability to support fire protection.

PHILPOTT

FCAP's largest project to date at \$14.5M

Philpott Water Treatment Facility is located in Henry County, about 1 hour south of Roanoke, VA. Henry County Public Service Authority (PSA) has approximately 400 miles of water line and 1,609 hydrants in its systems and manages over 12,000 accounts for residents, business, and schools.

The PSA was awarded \$14.5M from VDH to expand its water treatment plant. The PSA aims to address its growing drinking water needs from the addition of new lines and customers from Pleasant Grove, Eastwood, Sandy Level, Oak Level, and Reed Creek.

The current system produces 4M gallons of drinking water per day. The new system will produce 6M gallons, increasing production by 50 percent. Construction began in 2016 and is expected to be completed soon.



UPGRADES ARE EXPECTED TO INCREASE PRODUCTION BY 50%