

Dept. of Facilities and Environmental Services	Albemarle County
Environmental Quarterly Report	Q2-FY19

This report includes environmental program updates for October, November, and December 2018.

Local Climate Action Planning and Energy Management:

- County funding for Local Energy Alliance Program (LEAP) supported Home Energy Check-Ups (HECUs) for 39 County residents; resulted in one Project Management job that qualified for a \$500 Energy Smart Rebate.
- The Climate Action Plan development process is underway. The initial Steering Team meeting was held in mid-October. Coordination Team meetings began in mid-November 14 and will be occurring semi-monthly throughout the process. A joint Steering Team and Coordination Team meeting is scheduled for January 23, 2019.
- The Crozet Library roof-top solar installation is substantially complete. Sixty 360-watt solar panels have been placed on the north roof. The panels are expected to produce 31,157 kWh of electricity annually for the library, the equivalent of 13.3 metric tons of greenhouse gas (CO₂) emissions.

Drainage Infrastructure Management:

- Completed video assessment of infrastructure within a pilot watershed containing approximately 17,400 linear feet of pipe, representing approximately eight percent of the known infrastructure in the urban area. Sent a letter to 152 property owners requesting permission to access the infrastructure on their property and received permission from 69% of owners representing 84% of the pipe length.
- Developed data management system to track all information associated with the pilot watershed project. This GIS-based system tracks elements of the planning process and organizes data collected by staff and consultants.
- Initial findings of the assessment were presented to the Board on December 5.
- Conducted new inspections of 124 private and public stormwater management facilities to ensure proper operation and maintenance by the owners.

Water Quality Protection:

- Issued notice to proceed for Chapel Hills Stream Restoration Project and the RiverRun Stream Restoration Project.
- Secured necessary property owner cooperation for easements for two detention basin retrofit projects: Minor Hill and Rio Hill.
- Continue to collect and consolidate water quality data at Chris Greene Lake to better understand conditions driving algae blooms.
- Continuing technical support for Rivanna Conservation Society's StreamWatch monitoring program throughout the Rivanna River basin.

Hollymead Dam:

- Secured Burleigh Construction as the contractor. Construction commenced in late December with the installation of erosion control measures, construction entrances, and detour signage. The northbound lane of Timberwood Parkway across the dam will be closed beginning January 7. Construction is expected to take approximately eight months.

Environmental Compliance:

- The well water systems at the Greenwood Community Center, Mint Springs Valley Park, Beaver Creek Lake Park, Chris Green Lake Park, and Ivy Creek Natural Area successfully met Department of Health (DOH) water quality testing standards for bacteria. Simpson Park and Walnut Creek Park received compliance letters from the DOH for violation of bacteria. All waterworks sites were in full compliance following retesting.
- ACPD Regional Firearms Training Facility and the Yancey School Community Center waterworks system successfully met DOH water quality testing standards for quarterly bacteria tests and monthly metered usage.

Solid Waste and Recycling:

- Division staff continue to support the Solid Waste Alternatives Advisory Committee (SWAAC). SWAAC will submit its semi-annual report covering activities from July – December 2018 on an upcoming BOS consent agenda.
 - The Committee has been engaging in community outreach through new education videos. These videos are hosted on the [County's YouTube site](#).
-

Abbreviations

BMP – Best Management Practice (aka, stormwater management facility)

DCR - Virginia Department of Conservation and Recreation

DEQ – Virginia Department of Environmental Quality

DMME - Virginia Department of Mines, Mineral, and Energy

DOH – Virginia Department of Health

MS4 – Municipal Separate Storm Sewer System

TMDL – Total Maximum Daily Load (used to denote the process to clean up impaired waters)

TMSWCD – Thomas Jefferson Soil and Water Conservation District