

Dept. of Facilities and Environmental Services	Albemarle County
Environmental Quarterly Report	Q4-FY19

This report includes environmental program updates for April, May, and June 2019.

Local Climate Action Planning and Energy Management:

- Staff continue to work with partners and stakeholders to develop a Phase I Climate Action Plan. Community engagement efforts were intensified with the commencement on May 6 of weekly opportunities – called Climate Mondays – for the community to hear about and weigh in on GHG emission reduction strategies. These will continue through the month of July.
- The County sponsored an event by the Piedmont Master Naturalists related to the impacts of climate change on communities and natural habitats in Virginia.
- County staff attended the Better Business Challenge Awards night on June 20. The County provided both financial and staff support. County public and private schools were among the award recipients.
- The Crozet Library roof-top solar installation generated an average of 100 kWh/day of energy this quarter, approximately a third more than during the last quarter – due to longer days. The energy produced was almost three and a half times the usage of an average US home.

Drainage Infrastructure Management:

- Following an Invitation For Bids (IFB) process, we have entered into a contract with H2O Pipe Works for video assessment services of drainage pipes. Work began on July 8 to assess infrastructure in a second bundle of work totaling approximately 50,000 linear feet of pipe – more than double the amount in the pilot project.
- We contracted with Frazier Engineering – a North Carolina firm specializing in infrastructure repair – to review video assessment data from the pilot watershed and to develop a prioritized repair plan and cost estimates. This information was used to inform the projected annual costs for various program levels of service.
- Staff conducted new inspections of 54 private and public stormwater management facilities to ensure proper operation and maintenance by the owners.

Water Quality Protection:

- On May 21, staff issued a Request For Proposals (RFP) for assistance from lake management consultants to determine whether current management strategies at the Chris Greene Lake should be adjusted. Proposals were received on June 18 and are currently being reviewed.
- We finalized obtaining necessary easements and received contractor bids for a improvements to an existing stormwater facility in the Minor Hill neighborhood. This project is supported by a grant from the NFWF. Staff are currently negotiating the contract price.

- The County received a DEQ Stormwater Local Assistance Fund (SLAF) grant for \$82,000 to support the design and construction of improvements to a stormwater facility located at the Rio Hill Shopping Center. The design for these improvements is nearly complete.
- Staff updated the County's MS4 Program Plan for the years 2018 - 2023. This plan outlines methods by which the County will meet the requirements of our General MS4 Permit issued by the Virginia DEQ. The plan is amended/updated as needed annually each October.

Environmental Compliance:

- The well water systems at Mint Springs Valley Park and Ivy Creek Natural Area successfully met Department of Health (DOH) water quality testing standards for bacteria.
- Notice of Violations (NOVs) were received for the systems at Chris Greene Lake Park, Greenwood Community Center, and Beaver Creek Lake Park due to positive bacterial samples. Chris Green Lake Park received a Level 2 assessment conducted by DOH and the system was determined to be compliant. Simpson Park and Walnut Creek Park NOVs were due to failure to submit reporting for bacteria samples. These issues were resolved through normal DOH protocols.
- The Regional Firearms Training Facility and the Yancey School Community Center waterworks systems successfully met DOH water quality testing standards for quarterly bacteria tests and monthly metered usage.

Solid Waste and Recycling:

- The SWAAC's semi-annual report, covering activities from July – December 2018, was presented at the May 15 Board meeting.

Abbreviations

DEQ – Virginia Department of Environmental Quality
 DOH – Virginia Department of Health
 kWh – kilowatt-hours
 MS4 – Municipal Separate Storm Sewer System
 NFWF – National Fish and Wildlife Foundation
 NOV – Notice of Violations
 SWAAC – Solid Waste Alternatives Advisory Committee