



City of Charlottesville

Municipal Energy Management

- **Description:**
 - Energy management for facilities (local government and schools), streetlights & signals, and fleet: building improvements, energy efficiency measures, occupant education, utility data monitoring, high performance green building standards for all new facilities, alternative energy sourcing for buildings, LED technology for streetlights and traffic signals, increased number of alternative fuel and high efficiency fleet vehicles.
- **Results:**
 - 3% decrease in conventional energy use between 2014 and 2015
 - Total cost savings of \$860,614
 - Produced 176,968 kWh of solar energy
- **Future Plans:**
 - Install at least 520 kW of solar PV by 2020

Community Energy Efficiency

- **Description:**
 - Encouragement, support, education outreach, and incentives for energy efficiency in the residential and commercial sectors through: the LEAP-City Energize!Charlottesville partnership, LEAP's Home Energy Check Ups program and campaign, energy assessment rebate incentives from LEAP, the Charlottesville Area Better Business Challenges, a community solarize effort to encourage increased renewable generation in the residential sector, bicycle and pedestrian corridor and trails network improvements and development.
- **Future Plans:**
 - Compete in the Georgetown University Energy Prize competition

Material Conservation/ Waste Reduction

- **Description:**
 - Curbside recycling, large item pick up, leaf collection for composting
 - Compostable collection pilot at the City Market from April to October 2015
- **Results:**
 - 9% increase in solid waste recycling from 2014 to 2015
 - 3 tons of compostable materials collected in 2015
- **Future Plans:**
 - Continue compostable collection at the 2016 City Market and explore further expansions opportunities

Stormwater Management

- **Description:**
 - Management of stormwater by installation of stormwater management facilities, stream bank restoration projects, stormwater hard infrastructure repair, inspection, and maintenance and the implementation of The Water Resources Protection Program and Stormwater Utility Fee.
- **Future Plans:**
 - Construction of a green infrastructure capstone project in 2016
 - A green stormwater infrastructure retrofit project at Charlottesville High School in the summer of 2016

Water Conservation

- **Description:**
 - Encourages the conservation of water through resources, rebates, public education, outreach campaigning, and promotion of numerous rainwater harvesting systems.
- **Results:**
 - 10 rainwater harvesting sites
 - Rainwater storage capacity of 124,730 gallons
- **Future Plans:**
 - Ongoing water conservation education and outreach

Urban Tree Canopy Management

- **Description:**
 - The City of Charlottesville has taken an active role in the preservation, protection, expansion, monitoring, and education about its urban forest. The City Parks Department is responsible for planting, maintenance, and removal of trees on public properties including parks, schools, street rights-of-way, and at public buildings. Charlottesville also has appointed a 12-member Tree Commission and has adopted a Tree Conservation Ordinance to allow special trees (heritage, memorial, and specimen) to be considered for additional protections.
- **Results:**
 - 45% average citywide tree canopy cover in 2015
 - 288 trees planted by the Department of Parks and Recreation in the Fiscal Years of 2014 and 2015.
 - Over 700 trees planted associated with various road and other projects
- **Future Plans:**
 - Continued efforts associated with urban forest management