

## Virginia Energy Efficiency Leadership Awards: Sample Application

1) Project or Program Name: Henrico County Energy Management program

2) Summary:

Henrico County made a commitment to energy efficiency and sustainability with the inception of its robust Energy Management program and the hiring of its first energy manager in 2003. The primary purpose of the program is to identify and implement energy efficiency projects and maintain a revolving fund for future projects using the savings from past projects. These efforts include general government, schools, and public utilities. Initial funding was made available by capturing funds allocated, but not spent on other county projects. Completed projects include energy audits, HVAC and lighting system upgrades, participation in demand response programs, commissioning and retro-commissioning, traffic and street light upgrades, building automation systems, and construction of a 4-megawatt methane gas to electricity generator at the landfill.

The Energy Management program also strives to improve energy education and foster a culture of efficiency and sustainability in the County. Henrico County has held an Energy Fair every year for the past 13 years. Thousands of people have been educated in energy and sustainability practices and technologies by attending the energy fair.

The county Energy Manager also supports green design and construction efforts for capital projects. To date, 12 new construction projects have achieved Leadership in Energy and Environmental Design (LEED) certification, and six more are pursuing certification.

Now in its 14th year and with a new Energy Manager, the program continues with its mission to develop Henrico County Government and Schools as the leading local authorities for sustainable energy use and to promote the importance of good energy management for the economic and environmental well-being of the county's residents and employees.

3) Who is the Implementing Entity? Henrico County

4) Which sector is being served by this project or program? Local Government Sector

5) Please provide the projected or realized energy savings or the impact of the project or program:

Many awards have been received for the Henrico Energy Management program, most recently from the National Association of Counties. A video was produced for Henrico County Television (HCTV) that gives an overview of the program's successes. The video, called "Energy Wise" can be viewed at <http://henrico.us/pr/hctv-program-schedule/alphabetical-list/alphabetical-list-d-h/>. The county's LEED projects were modeled to reduce energy use by approximately 30% on average compared to buildings designed to meet, but not exceed, the energy code, saving approximately \$300,000 annually. Additionally, it is estimated that the county is realizing well over \$2 million in avoided costs annually from energy systems upgrades and demand response projects completed to date. The landfill gas to energy project alone is generating enough electricity to power 2,000 homes.