

**Lexington-Fayette Urban County Government
Stormwater Quality Projects Incentive Grant Program
Summary of Grant Projects – FY2011 – \$1,476,477.99 Awarded**

Class B (Infrastructure) Grants

1. **** AIE Properties, LLC (Ross Tarrant Architects) – 101 Lafayette Avenue** **Grant Amount: \$109,000.00**
Target Watershed: Town Branch
Construction of 10,100 square feet of pervious concrete and pavers replacing an existing asphalt parking lot. Design costs of \$11,445.00 are being donated by the grantee, Ross Tarrant Architects.
2. **** Coca-Cola Refreshments USA, Inc. – 2275 Leestown Road** **Grant Amount: \$189,090.00**
Target Watershed: Town Branch
Design and Construction of an 8,500 square foot rain garden/bioretention system, a 12,530 gallon infiltration chamber, a water quality sump drop inlet with floatables hood, and a 10,000 gallon rainwater harvest tank and conveyance pipes collecting runoff from 25,500 square feet of roof surface for stormwater reuse.
3. **Community Montessorri School, Inc. – 725 Stone Road** **Grant Amount: \$107,868.00**
Target Watershed: South Elkhorn Creek
Design of 950 linear feet of stream restoration with riparian buffer and floodplain wetlands, retrofit of an existing detention basin to a constructed wetland, two rain gardens, one infiltration chamber system, and replacement of a broken storm sewer headwall. Project includes pre-project monitoring of water quality and flow parameters. A construction grant was received under the FY2012 program.
4. **Fayette County Public Schools – 2319 Clays Mill Road** **Grant Amount: \$57,800.00**
Target Watershed: Wolf Run
Design of 800 linear feet of stream restoration with riparian buffer, three constructed wetlands, two rain gardens, a 4,400 square foot biofiltration swale, and 1,500 square feet of pervious pavement replacing existing asphalt. A short section of the improvements extends onto the adjacent Southland Park. A construction grant was received under the FY2012 program.
5. **Klausing Group, Inc. – 1356 Cahill Drive** **Grant Amount: \$321,576.48**
Target Watershed: Town Branch
Retrofit of an existing detention basin outlet to include an oil/water hydrodynamic separator, replacement of a 1,100 square foot asphalt parking lot with pervious pavement, upgrade of a new 7,150 square foot parking lot to pervious pavement, and installation of a vegetative roof on the building entrance porch.
6. **Ronald McDonald House Charities of the Bluegrass, Inc. – 1300 Sports Center Dr.** **Grant Amount: \$201,285.00**
Target Watershed: Wolf Run
Design and Construction of 15,700 square feet of pervious pavements (porous asphalt and permeable pavers) replacing an existing asphalt parking lot, underground detention to further reduce runoff from the site, rain barrels to collect roof runoff, two rain gardens, and a biofiltration swale. Design costs of \$6,090 are being donated on behalf of the grantee by CDP Engineers. An additional \$64,500 in materials is being donated to the project on behalf of the grantee by paver and materials suppliers.
7. **Sanford E. Levy, LLC – 455 Southland Drive (Good Foods Market)** **Grant Amount: \$2,600.00**
Target Watershed: Wolf Run
Design and Installation of two National Environmental Compliance Stormwater Filter Catch Basin Inserts and implementation of a monitoring program to measure the amount of litter caught by the filters.

** This project was undertaken in connection with the settlement of an enforcement action under the Clean Water Act, United States et al. v. Lexington-Fayette Urban County Government, brought on behalf of the U.S. Environmental Protection Agency. This project includes "green infrastructure" components for management of wet weather flows in urban areas of Fayette County, and has been identified as a "Supplemental Environmental Project" required by the Consent Decree entered on January 3, 2011 between the United States of America and the Commonwealth of Kentucky and the Lexington-Fayette Urban County Government.

Class B (Education) Grants

- 1. Transylvania University** **Grant Amount: \$4,878.75**
Target Watershed: Town Branch
Implement a year long campaign focused on informing the university community about water quality issues. Project elements include:

 - Interpretive signage on existing water quality BMPs on campus.
 - 3 faculty/staff workshops covering rain gardens, rain barrels, and lawn care.
 - Distribution of up to 25 rain barrels and 20 rain garden plant kits to faculty/staff who attend the workshops.
 - Town Branch Tuesdays from April 27 to May 24, 2011 – each will feature an outreach or involvement event such as storm drain stenciling, a rain garden party, a watershed expo, etc.
 - Town Branch clean-up and water testing (biological and chemical) event for submission to KY Water Watch.
- 2. Henry Clay High School (Fayette County Public Schools)** **Grant Amount: \$2,500.00**
Target Watershed: West Hickman
Develop and implement an environmental/stormwater curriculum, host an educational seminar for the public, enhance an existing rain garden on the Henry Clay High School site, and develop a self-guided tour of the rain garden available to the public. The target audience is 140 Environmental Science students that will be taught the curriculum and involved in the rain garden enhancement, and up to 200 residents of the surrounding neighborhoods invited to the seminar. The subject matter for the curriculum and seminar will include rain gardens as they relate to stormwater management in Lexington, LFUCG's stormwater management program, and the KPDES permit for the MS4. The classes and seminar will be held at the school. Work on the rain garden will include investigating and solving an erosion issue, and installing signage identifying the rain garden plants. Students will prepare materials for a self-guided tour of the rain garden, select plant markers, develop a garden management plan, and host the neighborhood seminar.
- 3. Rosa Parks Elementary School (Fayette County Public Schools)** **Grant Amount \$6,700.00**
Target Watershed: South Elkhorn Creek
Construct portions of an outdoor learning space at the elementary school, including a walking path as part of a larger nature trail. Plant trees and include a bio-swale along the path for future planting and education. Purchase an Enviroscope Watershed/Nonpoint Source Model for use in the school's curriculum. The outdoor learning space will be utilized by 750 elementary school students (kindergarten through 5th grade) and 50 educators. Subject matter taught through use of the space will cover earth and life sciences as part of the standard Kentucky Program of Studies as well as erosion, watershed, and water quality concepts through lessons developed by Bluegrass PRIDE.
- 4. The Trane Company** **Grant Amount: \$4,677.19**
Target Watersheds: Town Branch
Trane's internal "Green Team" will develop and hold educational seminars for all 1,067 Trane employees at the 1515 Mercer Road facility, covering stormwater related topics including: residential sources for stormwater pollution, how to reduce pollutants, Lexington's stormwater program, etc. Trane employees will partner with two local schools to present the material. The Enviroscope Watershed/Nonpoint Source Model will be used to assist in learning.
- 5. WLEX Communications, LLC** **Grant Amount: \$115,869.06**
Target Watersheds: All of Fayette County
Project to be part of a 10-month campaign "Water Quality is Everyone's Responsibility." Includes writing, production, and airing of 30-second vignettes on water quality and stormwater issues distributed throughout LEX18 programming with an emphasis on news. Vignettes will also run on the Fuel View two times per hour at 13 Fayette County Shell gas stations. The LEX18.com website will be updated with a water quality splash-page to include "how-to" information, water quality protection tips, links, and the vignettes. This project will be further enforced by other quarterly or monthly water quality segments by local reporters on LEX18 News @ 12:30 p.m.
- 6. University of Kentucky Research Foundation** **Grant Amount: \$113,375.00**
Target Watersheds: All of Fayette County
Target audience includes professionals in the stormwater field, community and neighborhood groups, and educators and students. Plan includes direct involvement of 15 teachers from 4 Fayette County schools and 450 students. This project will utilize the existing Mill Creek stream restoration project as an outdoor classroom. Three Structural grant project applicants have also agreed to partner with this educational program, including Community Montessori School, Coca-Cola, and Clays Mill Elementary. Project elements include:

 - Education of teachers and students on stormwater pollution, stream and wetland ecology.

- Develop and implement multiple units of study on stormwater quality and quantity and watershed-based issues.
- Disseminate these units to educators.
- Assist other schools in promoting water stewardship.
- Develop websites and wikis to encourage students to share knowledge.
- Create educational signs along streams/trails.
- Conduct culminating community event.

Class A (Neighborhood) Grants

- 1. Friends of Wolf Run, Inc. #1** **Grant Amount: \$5,000.00**

Target Watershed: Wolf Run

Perform stream cleaning, invasive species management, and planting of native species along 8 stream reaches and develop volunteer group leadership for future efforts.
- 2. Friends of Wolf Run, Inc. #2** **Grant Amount: \$5,000.00**

Target Watershed: Wolf Run

Perform water sampling and analyze for specific human pathogens and waterborne disease through the University of Kentucky microbiology clinical laboratory. Survey healthcare practitioners for evidence of waterborne disease in patients. Provide educational programming for the local health community and public related to the findings of the study.
- 3. The Gardens of Hartland Homeowners Association, Inc.** **Grant Amount: \$36,565.31**

Target Watershed: West Hickman

Design and construct a 2,500 square foot multi-cell rain garden and bio-filtration water quality facility and install aquatic plants, shrubs, and trees along 150 linear feet of stream. Provide an educational workshop for the Gardens of Hartland neighborhood.
- 4. The Living Arts and Science Center, Inc.** **Grant Amount \$6,886.00**

Target Watersheds: Town Branch and Cane Run

Develop and present educational workshops for the residents of the Martin Luther King Neighborhood. Implement a Rain Barrel/Rain Garden program for the neighborhood.
- 5. Meadowthorpe Neighborhood Association, Inc.** **Grant Amount: \$29,794.00**

Target Watershed: Town Branch

Develop and present educational workshops on stormwater pollution and water quality topics. Develop professional videos and an environmental website. Develop and implement a Rain Barrel/Rain Garden program for the Meadowthorpe Neighborhood.
- 6. The Woodfield Homes Association, Inc.** **Grant Amount: \$7,748.35**

Target Watershed: West Hickman

Install a bottom aeration system and algae control system in the neighborhood's 1.2 acre retention pond to increase dissolved oxygen and improve water quality in the pond and the downstream receiving system.
- 7. Gainesway Neighborhood Association, Inc.** **Grant Amount: \$10,255.00**

Target Watershed: West Hickman

Stream bank restoration and riparian buffer enhancement on one side of approximately 500 linear feet of a tributary to West Hickman Creek. Work shall include stream cleaning, removal of invasive species, and planting of a 15 to 20 foot wide riparian buffer with native species. Creek-side property owners in the neighborhood shall be queried to determine their concerns and questions about property owner responsibilities related to the stream in general. Three (3) educational workshops shall be held to educate the community on water quality, stream flow, stormwater problems, native plantings and overall stream maintenance.

8. **Autumn Ridge Homeowners Association, Inc.** **Grant Amount: \$11,183.75**
Target Watershed: East Hickman
A bottom aeration and algae control system shall be installed in the neighborhood's 1.4 acre retention pond to increase dissolved oxygen and improve water quality in the pond and the downstream receiving system. The Association shall purchase and install 10 rain barrels within the neighborhood and hold an education workshop for neighborhood residents on pond health and stormwater pollution.
9. **Eastland Parkway Neighborhood Association, Inc.** **Grant Amount: \$7,408.00**
Target Watershed: North Elkhorn Creek
Stream cleaning along the Eastland Branch, Ft. Sumter Branch, and Dixie Branch. Plantings and other stabilization measures will be employed to reduce erosion on and along the streambanks in select locations. A seminar will be held on rain barrels and the project goal is to subsidize the purchase of up to 15 rain barrels for neighborhood residents. An educational seminar will be held during the year on environmental issues and door hangers used to educate residents on stormwater pollution. The Association will collaborate with science students and several local schools on water testing, storm drain stenciling, and related activities.
10. **Southern Heights Neighborhood Association, Inc.** **Grant Amount: \$50,000.00**
Target Watershed: Wolf Run
Replace 3,895 square feet of existing asphalt pavement with a permeable paver system. The project is located on an access road at 1820, 1824, 1826, 1828 Nicholasville Road, which runs parallel to Nicholasville Road starting at the intersection with Hiltonia Park. This intersection currently holds water during heavy rain events. The project also includes planting of trees by volunteers along the edge of the pavers and installation of an educational sign explaining pervious pavement and how it improves water quality and reduces runoff.
11. **Kentucky River Watershed Watch, Inc.** **Grant Amount: \$1,800.00**
Target Watershed: All of Fayette County
Grant supports training, and monitoring equipment for new volunteers in Fayette County. Volunteers will be trained, samples taken, and testing performed in the field using dissolved oxygen kits, pH kits and conductivity meters, and in the laboratory for metals and other analyses.
12. **WGPL Neighborhood Association, Inc.** **Grant Amount: \$7,700.00**
Target Watershed: Wolf Run
Volunteers will enhance the riparian buffer of Wolf Run within LFUCG-owned greenspace at the intersection of Pensacola Drive and Goodrich Avenue: 1873 Pensacola Drive (PVA #16510450), 1875 Pensacola Drive (PVA #15214754), and 1877 Pensacola Drive (PVA #10173325). Includes planting tree whips, shrubs, and forbs. These plantings supplement initial plantings that occurred as part of the 2011 Class A Friends of Wolf Run grant.
13. **Bluegrass PRIDE, Inc.** **Grant Amount: \$19,200.00**
Target Watershed: Cane Run
Project to develop and produce a 30-minute videotape for public broadcast and distribution about Cane Run and the Cane Run watershed. The video would be offered for broadcast statewide on KET and regionally on GTV and to libraries, schools, and community and neighborhood organizations. The Project Director Louis Guida directed a similar video *Town Branch: Lexington, Kentucky's Historic Watershed*, which currently airs on KET. Format will be broadcast-quality SD DV.
14. **The Colony Unit Four Community Association, Inc.** **Grant Amount: \$35,248.10**
Target Watershed: Wolf Run
Enhancement of 3 ponds with bottom aeration and sonic algae control systems within the Colony Four neighborhood. Stabilization of approximately 250 linear feet of an existing eroding swale at the intersection of Parkers Mill Road and Cape Cod Circle. Association shall hold an educational seminar for neighborhood residents on pond health and stormwater pollution.
15. **Neighbors United for South Elkhorn Creek, Inc.** **Grant Amount: \$5,470.00**
Target Watershed: South Elkhorn Creek
Planning and hosting a watershed/stormwater educational event, hosting a website www.southelkhorn.org, distributing watershed/promotional materials including t-shirts and other items, and participation in the 2011 Green Expo. Project also includes distribution of 25 rain barrels to residents within the South Elkhorn Creek watershed and follow-up with a post-distribution survey to learn about installation and maintenance concerns/successes.