

**GRANT AWARD AGREEMENT**

*Fiscal Year 2020 Class B Education Incentive Grant Project*

THIS AGREEMENT, made and entered into on the 27<sup>th</sup> day of January, 2020, by and between the LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT (LFUCG), an urban county government of the Commonwealth of Kentucky, pursuant to KRS Chapter 67A (hereinafter "Government"), on behalf of its Division of Water Quality, and THE UNIVERSITY OF KENTUCKY RESEARCH FOUNDATION, 500 SOUTH LIMESTONE, 109 KINKEAD HALL, LEXINGTON, KENTUCKY 40526-0001 (hereinafter "Grantee").

**WITNESSETH:**

**WHEREAS**, the Grantee is a documented fee-payer of the Government's Water Quality Management Fee; and

**WHEREAS**, the Grantee has proposed a need for the funds requested to develop and implement a proposed project by submitting a valid grant application; and

**WHEREAS**, the Grantee's grant application has been reviewed and selected for funding by the LFUCG Water Quality Fees Board in accordance with Sections 16-408 and 16-410 of the LFUCG Code of Ordinances; and

**WHEREAS**, the Government has funds available through the Stormwater Quality Projects Incentive Grant Program to assist qualified Grantee in the development and implementation of projects that meet the goals of the program; and

**WHEREAS**, the Grantee desires to implement a specific project that meets one or more Incentive Grant program goals to improve water quality, reduce stormwater runoff, and provide public or private education related to stormwater quality; and

**WHEREAS**, any such improvements funded by the Government shall benefit the public through installed improvements and/or educational programming;

**THAT FOR AND IN CONSIDERATION OF THE MUTUAL PROMISES AND COVENANTS HEREIN EXPRESSED, GOVERNMENT AND GRANTEE AGREE AS FOLLOWS:**

- (1) Government hereby grants the Grantee the sum of **\$21,646.16** (hereinafter "the Grant"), for use in implementing the project elements as listed in Attachment A which is incorporated herein by reference as if fully set out herein.
- (2) The Grantee shall provide equal opportunity in employment for all qualified persons; prohibit discrimination in employment because of race, color, creed, national origin, sex, age between 40 and 70 or disability; promote equal employment through a positive, continuing program of equal employment; and cause each of its subcontractors to do so. This program of equal employment opportunity shall apply to every aspect of its employment policies and practices.
- (3) The Grantee agrees to match the Grant above the first \$2,500.00, with contributions, labor and other services equal to or greater than 20% of the total project costs.
- (4) The Grantee agrees to use the Grant only for the activities set forth in Attachment A.

- (5) The Grantee agrees to perform periodic reporting as detailed in Paragraph 6 herein below, and produce a Project Final Report within 60 calendar days of the completion of the project elements in digital and hard copy following a standardized format to be provided by the Government summarizing all work completed and detailing the total expenditures, grant reimbursements, and match.
- (6) The Grant to the Grantee shall be disbursed in the following manner:
- (a) The Grantee shall submit at least once every 3 months, if not specified otherwise in Attachment A, a Request for Funds to the Government's Grant Manager designated by the Director of the Division of Water Quality for the project. Each Request for Funds shall include documentation that the Grantee has already expended the requested funds or shall be in a position to expend properly the requested funds within thirty (30) days of receipt of the funds. The Request for Funds shall include full accounting of these eligible grant-related expenses, as listed in Attachment A. Additionally, a full standard report of expenditures shall be provided with the Request for Funds. For project specific personnel costs and stipends, documentation shall include labor distribution reports.
  - (b) Each Request for Funds shall be accompanied by a Project Status Report describing the progress of the project to date, including a description and schedule of all activities completed, and hardcopy or electronic copies of materials completed and/or used to date. For educational events, copies of the class rosters or sign-in sheets documenting the number of attendees and evaluation forms shall be provided.
  - (c) Each Request for Funds shall include documentation of all of the Grantee's Match Costs listed in Attachment A and claimed for the prior period. A full standard report of expenditures shall be provided with the documentation of Match Costs. For project specific personnel costs and stipends included as Match Costs, documentation shall include labor distribution reports. For in-kind volunteer hours this shall include sign-in sheets describing the events with signatures, name, address, time in, time out, for each participant (volunteers must be 12 years of age or older). For mileage, this shall include driver name, type of vehicle, location to and from, date, and total miles driven.
  - (d) The Government's Grant Manager shall review each Request for Funds and supporting documents for compliance with the terms of this Agreement and the guidelines of the Stormwater Quality Projects Incentive Grant Program. If the Grant Manager finds the Grantee's Request for Funds is in compliance with the terms of this Agreement and the guidelines of the Stormwater Quality Projects Incentive Grant Program and that the activity progress and management program of the Grantee satisfy the terms of the grant award, he or she shall approve the Request for Funds and forward it to the Division of Accounting for payment
  - (e) Should the Government's Incentive Grant Program Administrator determine that the Grantee is not in compliance with the terms of this Agreement and/or the Stormwater Quality Projects Incentive Grant Program, including deficiencies in progress and management of the project, the Division of Water Quality shall notify the Mayor's Office and the appropriate district Council person and shall meet with the Grantee on matters that prevent approval of the Request for Funds. Failure to resolve any such matters to the satisfaction of the Government may lead to termination of the Agreement for cause pursuant to Paragraph 11 herein below.
  - (f) The Government shall release payment of the final 5% of the Grant only after receipt and acceptance of the Project Final Report. The Government's Grant Manager shall review the Project Final Report and provide comments to the Grantee within 15 calendar days or, if acceptable, forward approval to the Division of Accounting for payment.

- (7) The Grantee agrees to obtain written approval from the Government's Grant Manager or Program Administrator for any substantive proposed changes to the Project Team or Project Plan as listed in Attachment A prior to implementing the changes. Failure to gain written approval prior to making changes may lead to termination of the Agreement for cause pursuant to Paragraph 11 herein below.
- (8) The term of this Agreement shall be from the date of this Agreement until completion of the project outlined herein. The Grantee agrees to complete the project within 18 months. The Grantee agrees to obtain written approval from the Government's Grant Manager or Program Administrator for any time extensions beyond the schedule. Failure to gain written approval prior to making changes may lead to termination of the Agreement for cause pursuant to Paragraph 11 herein below.
- (9) The Grantee understands that the Grant shown herein in Paragraph 1 is a not-to-exceed amount, and any additional funding needed to complete the project elements listed in Attachment A is the responsibility of the Grantee. If it becomes apparent to the Grantee or the Government that the Grantee will be unable to complete the project either in the manner or for the amount described in this Agreement, then the Grantee must immediately notify the Government's Grant Manager and Program Administrator by providing a complete and detailed written explanation of its inability to comply with the terms of the Agreement. The Grantee must further provide the Government's Grant Manager and Program Administrator with a complete and detailed written explanation of any proposed changes, and the reasons for those changes.
- (10) The Grantee asserts that it is in full compliance with all applicable provisions of the Lexington-Fayette Urban County Government's Code of Ordinances Chapter 5 – Buildings and Building Regulations, Chapter 7 – Finance and Taxation, Chapter 12 – Housing, and Chapter 16 – Sewage, Garbage, Refuse, and Weeds, or in compliance with Kentucky Department of Housing Buildings and Construction rules and requirements as is appropriate for those state institutions, parcels or buildings which are subject to state regulations and oversight as opposed to local ordinances and regulations. If the Grantee becomes out of compliance with any of these provisions, it will contact the Government's Grant Manager and Program Administrator immediately. Failure to resolve any such matters to the satisfaction of the Government may lead to termination of the Agreement for cause pursuant to Paragraph 11 herein below.
- (11) If, through any cause, the Grantee shall fail to fulfill in timely and proper manner its obligations under this Agreement, or if the Grantee shall violate any of the covenants, agreements or stipulations of this Agreement, the Government shall provide the Grantee thirty (30) calendar days to address the deficiency or violation. If the Grantee does not, after the thirty (30) days, come into compliance with this Agreement, the Government shall thereupon have the right to terminate this Agreement by giving written notice to the Grantee of such termination and specifying the effective date thereof, at least five (5) calendar days before the effective date of such termination. In that event, all finished or unfinished documents, receipts and reports prepared by the Grantee shall, at the option of the Government, become its property and the Grantee shall immediately repay to the Government all monies received pursuant to this Agreement less any amount representing just and equitable compensation for the Government's share of any satisfactory work completed pursuant to the Agreement.
- (12) This Agreement may not be modified except by written agreement of the Government and the Grantee.
- (13) The Grantee agrees to comply with all applicable local, state, and federal rules, regulations, ordinances, and laws in implementation of the project.
- (14) The Grantee agrees to allow the Government access to perform monitoring of the project elements for compliance with this Agreement.

- (15) In any written or oral communications, the Grantee agrees to identify the Lexington-Fayette Urban County Government as the source of the above referenced funds; the Grantee shall not specifically identify any individual or elected official as being responsible for the funds donated by the Government.
- (16) The Grantee agrees to allow the Government to publicize the Grantee's project through the Government's website and other media.
- (17) The Grantee agrees to reference the Lexington-Fayette Urban County Government's Water Quality Management Fee and the Stormwater Quality Projects Incentive Grant Program as a source of funding for the project on any permanent signage or educational brochures, presentations, websites, etc. produced using grant monies.
- (18) For any project which includes the installation of permanent capital infrastructure listed in Attachment A, the Grantee agrees that the Government is authorized to erect and maintain permanent signage at the location of the permanent capital infrastructure, referencing the Water Quality Management Fee and the Stormwater Quality Projects Incentive Grant Program as a source of funding for such permanent capital infrastructure. In the event that permanent signage is installed by the Government, such signage shall not be removed except upon written approval by the Government. Provided, however, that nothing herein shall require the installation of signage by the Government nor prohibit the Government from removing any signage so installed.
- (19) The Grantee agrees to prepare class rosters or sign-in sheets and provide evaluation forms to the attendees for any educational event funded by the Grant.
- (20) Equipment purchased or facilities constructed by the Grantee with the Grant for use on this project will remain in service and maintained by the Grantee or its members per the terms listed in Attachment A. Equipment purchased by the Grantee with the Grant for use on this project will remain the property of the Grantee unless otherwise noted in Attachment A.
- (21) The Government assumes no responsibility whatsoever in the Grantee's project activities. Grantee shall, to the extent allowed by Kentucky law, defend, indemnify, and hold harmless Government from and against all liability, claims, losses, actions, costs, expenses, obligations, fines, and assessments of whatever kind, including defense costs and attorney's fees that are in any way incidental to or connected with, or that arise or are alleged to have arisen, directly or indirectly, in whole or in part, from or by Grantee's or its contractor(s), agents, or assigns, negligent acts or misconduct, or errors or omissions, in connection with the activities carried out pursuant to this Agreement, the Grant award or the Stormwater Quality Projects Incentive Grant Program.
- (22) The Grantee is solely responsible for assuring that adequate and appropriate insurance or other necessary coverage is maintained during the term of this Agreement.
- (23) The Grantee's sole remedy for a breach of this Agreement by the Government shall be limited to the amount of the Grant.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement at Lexington, Fayette County, Kentucky, this the day and year first above written.

LEXINGTON-FAYETTE URBAN COUNTY  
GOVERNMENT

BY: Linda Gorton  
LINDA GORTON, MAYOR

ATTEST:

Maakemjee Sommers  
Deputy CLERK, URBAN COUNTY COUNCIL

Grantee Organization: THE UNIVERSITY OF KENTUCKY RESEARCH  
FOUNDATION  
500 SOUTH LIMESTONE, 109 KINKEAD HALL  
LEXINGTON, KY 40526-0001

BY: Kim C. Carter 12/9/2019  
NAME: Kim C. Carter  
TITLE: Associate Director

The foregoing Agreement was subscribed, sworn to and acknowledged before me by  
Kim C. Carter, as the duly authorized representative for and on behalf of  
University of Kentucky Research Foundation on this the 9 day of December, 2020.  
My commission expires: 12/29/2019

[Signature] #547485  
NOTARY PUBLIC



*Handwritten text, possibly a signature or name, located in the upper left quadrant.*

*Faint handwritten text or markings located in the lower middle section of the page.*

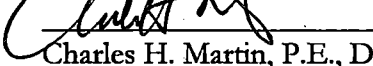
MAYOR LINDA GORTON



**LEXINGTON**

CHARLES H. MARTIN, P.E.  
DIRECTOR  
WATER QUALITY

TO: Mayor Linda Gorton  
Urban County Council

FROM:   
Charles H. Martin, P.E., Director  
Division of Water Quality

DATE: December 18, 2019

SUBJECT: Recommendation for a FY20 (Class B Education) Stormwater Quality Projects Incentive Grant for the University of Kentucky Research Foundation (UKRF).

Request

The purpose of this memorandum is to request approval of a FY20 (Class B Education) Stormwater Quality Projects Incentive Grant for the University of Kentucky Research Foundation (UKRF) in the amount of \$21,646.16.

Purpose of Request

The purpose of this project is to evaluate the efficacy of using steam in weed management and to develop and pilot training materials. The project elements include: installation of demonstration plots in the Arboretum, assessment of knowledge and attitudes of ground personnel regarding weed control and water quality, assessment of operational satisfaction levels of ground personnel with regard to use of steam for weed management, development and piloting of training materials in non-chemical weed management for grounds professionals and for homeowners, and creation of a webpage for distribution of training materials to larger audiences.

Project Cost in FY20 and in Future Budget Years

The grant has been approved for FY2020 funding by the Water Quality Fees Board in the amount of \$21,646.16.

Are Funds Budgeted

Funds are budgeted in: 4052 – 303204 – 3373 – 78112 – WQINCENTIVE\_20 – WQ\_GRANT

Martin/Albright



**ATTACHMENT A**  
**to the GRANT AWARD AGREEMENT**  
**between Lexington-Fayette Urban County Government (LFUCG) and**  
**The University of Kentucky Research Foundation**

**GRANT PROGRAM** 2020 Stormwater Quality Projects Incentive Grant Program  
Class B (Education) Projects

- Funded through the LFUCG Water Quality Management Fee
- Administered by the LFUCG Division of Water Quality in the Department of Environmental Quality & Public Works

**PROJECT TEAM AND CONTACT INFORMATION**

*HC*  
**Grantee Organization:** The University of Kentucky Research Foundation (UKRF)  
500 South Limestone, 109 Kinkead Hall  
Lexington, KY 40526  
KY Organization #0052708

**Primary Project Contact and Project Manager:** Kim C. Carter, Associate Director, UKRF  
859-257-9420 (phone)  
ospa@uky.edu (email)

**Secondary Project Contact:** Carmen Agouridis, Ph. D., P.E., M.P.P.  
Extension Associate Professor, UK Biosystems  
& Agricultural Engineering  
859-218-4344 (phone)  
carmenagouridis@uky.edu (email)

**Project Team Members:** Emily Ellingson – Curator and Native Plants Collection Manager, The Arboretum  
Jesse Dahl – Horticulturalist, The Arboretum  
Gregg Munshaw – Extension Associate, UK Plant and Soil Sciences Department, UK  
Dwayne Edwards – Professor, Biosystems and Agricultural Engineering Department, UK

**PROJECT PLAN ELEMENTS**

The purpose of this project is to evaluate the efficacy of using steam in weed management as well as grounds personnel knowledge, attitudes, and operational experiences with steam weeding to develop and pilot training materials.

This project will focus on the following six elements: a) installation of demonstration plots in The Arboretum to evaluate the length of steam exposure required to eradicate invasive winter creeper, b) installation of demonstration plots in The Arboretum to evaluate minimum safe distance from desirable plants for steam application, c) assessment of knowledge and attitudes of grounds personnel regarding weed control and water quality, d) assessment of operational satisfaction levels of ground personnel with regards to use of steam for weed management, e) development and piloting of training materials in non-chemical weed management using information gleaned in items 1-4 for grounds professionals and for homeowners, and f) creation of a webpage for distribution of training materials to larger and more broad audiences.

The FY2020 UK – Demonstration and Development of Educational Materials Related to Non-Chemical Weed Management Grant will incorporate the following three general project elements:

- a) **Demonstration plots** (winter creeper) – Working with staff at The Arboretum, project PIs will develop demonstration plots to evaluate the effectiveness of steam for managing winter creeper (*Euonymus fortune*) in the Arboretum Woods. Plot size will depend on proximity to trail (e.g., we want the site visible to visitors), space constraints, and equipment accessibility. Steam applications will occur during the winter, summer, and fall seasons to assess the effect of steam on different winter creeper life cycle periods. To assess the effect of steam application timing on winter creeper health, steam will be applied, zero distance from the weed, at the following six intervals (in minutes): 0.5, 1, 2.5, 5, 7.5, and 10. Winter creeper damage/recovery/control



will be compared to an untreated control plot, a plot treated with Roundup, and a plot treated with triclopyr (one of the recommended herbicides for wintercreeper). Four replications will be utilized. Assessments on winter creeper health will occur at 2, 4, 8, 12, and 28 weeks following steam application to determine if a season x treatment interaction is present. Surface and 2-inch depth soil temperatures will be collected during assessments.

- b) **Demonstration plots** (ornamental beds) – Working with staff at The Arboretum, project PIs will develop demonstration plots to answer the question, "How close can one apply steam to an ornamental plant without causing harm?" Plots of boxwood and lily will be established (seven of each type of plant per plot). Steam applications will occur during the spring or summer. Steam applications will occur at distances (in cm) of 0, 2.5, 5, 7.5, 15, and 30 cm from the plant. The length of time of steam application will remain constant and will be determined following plot establishment. Four replications will be utilized. Assessments of boxwood and lily health will occur at 2, 4, and 6 weeks following treatment.
- c) **Knowledge and attitude assessment** (weed management and water quality) – Project PIs will work with UK stakeholders Don Crawford, Jerry Hart, Shane Tedder, and Kevin Lewis to develop a survey to assess the knowledge and attitudes of grounds personnel with a focus on weed management and stormwater quality. Project PIs will work with UK Grounds supervisor, Don Crawford, to administer the survey to UK staff. Project PIs will reach out to other groups with grounds personnel (e.g., FCPS, LFUCG, Lexmark, private companies) to solicit survey participation. The survey will be online; however, a limited number of hard copies will be available. Institutional Review Board (IRB) approval will be obtained prior to collecting survey data. PIs will use the results of the survey to develop training materials for grounds personnel.
- d) **Satisfaction levels** – Project PIs will work with UK stakeholders Don Crawford and Jerry Hart to develop a survey to assess the operational satisfaction levels of grounds personnel with regards to use of steam for weed management. Project PIs will work with UK Grounds supervisor, Don Crawford, to administer the survey to UK staff who utilized the steam equipment. The survey will be online; however, a limited number of hard copies will be available. Institutional Review Board (IRB) approval will be obtained prior to collecting survey data. PIs will use the results of the survey to develop training materials for grounds personnel.
- e) **Training material development and piloting** – Project PIs will develop a multimodal set of training materials focused on non-chemical weed management techniques with a focus on stormwater quality protection. Project PIs will use the results from items a-d when developing training materials. Training materials will likely include, but are not limited to, PowerPoints, extension publications and videos. Other outlets for technology transfer include newsletter articles, journal articles, podcasts, and social media posts. Once training materials are developed, Project PIs will administer at least three workshops: one specific for UK grounds personnel and facilities managers, a second targeting non-UK grounds personnel and facilities managers, and a third for the public (e.g., homeowners). Workshop participants will be given pre- and post-surveys to gauge knowledge and awareness gained because of the training. Project PIs will develop 10 workshop surveys and will obtain IRB approval. Information gleaned from pre- and post-surveys will be used to refine the training materials.
- f) **Website development** – Project PIs will work with UK staff to develop a Drupal-based website for the project. While training materials will be available through the UK Cooperative Extension Service in multiple locations, this website will serve as a single hub allowing other groups to quickly reference it in their communications and outreach efforts. The website will contain information such as training materials generated from the project, photos of the demonstration plots, and links to other relevant educational and research materials.
- g) **Public Involvement** – UK grounds personnel will be involved in the establishment of plots, treatment application, surveys, and training. Signage will be placed along the demonstration plots to provide The Arboretum visitors with information on the project. UK grounds personnel and facilities managers, non-UK grounds personnel and facilities managers, and the public will have opportunities to participate in workshops focused on non-chemical weed management and stormwater quality protection.

In addition to the demonstration plots at The Arboretum, UK is actively planting 7,000 native plants around Gluck Pond. The public have been and will continue to be invited to join in planting events at Gluck Pond. The potential exists to hold other planting events on campus. UK grounds personnel will use steam to manage weeds at Gluck Pond and similar locations across campus as part of our effort to better understand operator satisfaction levels of the technique.

## **TARGET AUDIENCE**

The target audience for this project is as follows:

1. **UK Grounds Personnel** (approximately 80 staff members) – These are individuals asked to protect and maintain the campus landscape via a variety of tasks to include turf, tree, and plant maintenance; trash, leaf, and storm debris removal; landscape design; and arborist and horticulture services.
2. **Non-UK Grounds Personnel and Facilities Managers** – Grounds personnel working outside of the University of Kentucky include, but are not limited to, those at Fayette County Public Schools (FCPS; PI Agouridis has worked closely with Sue Marshall, FCPS Grounds Foreman), LFUCG Parks and Recreation, large private landowners (e.g., Lexmark, Baptist Health), companies offering weed control and prevention services, ecosystem (e.g., stream, wetland) and green infrastructure professionals, and the like. The needs of this group are like those of UK Grounds Personnel.
3. **Homeowners** – Homeowners with landscaping (e.g., ornamental beds, vegetable gardens, lawns) are the third target audience. In 2018, the homeownership rate in Fayette County was 54.0% (population of about 324,000) (USCB, 2019). Assuming national trends are reflective of Fayette County, a good portion of the population contracts with a company to provide lawn services including weed prevention and control. As with the other two target audiences, information is needed on how their actions in regard to weed management can impact stormwater quality. By providing this target audience with information on non-chemical weed management techniques, they become better informed customers who can request such services from companies they hire. For homeowners who do not contract out landscaping and lawn services, non-professional grade devices are available.
4. **UK Students** – UK students enrolled in weed science (PIS 404 Integrated Weed Management) or ornamental horticulture courses (multiple offerings) will benefit from the training materials and demonstration plots developed with this educational project. This audience needs information on non-chemical alternatives to weed management.

## **PROJECT SUSTAINABILITY**

- 1) ***Long-term Component for Ongoing Education and Involvement:*** The project has a long-term component for ongoing education and involvement. UK Grounds is committed to reducing herbicide application for weed management by using non-chemical means, namely steam. Training materials will remain online and publicly available. UK Grounds is committed to training their staff in non-chemical weed management and stormwater quality. Results of the study are applicable to UK courses related to weed science and ornamental horticulture.
- 2) ***Personnel for Long-Term Implementation:*** The University of Kentucky has dedicated personnel to implement the program on a long-term basis. Project PIs Agouridis and Munshaw are tenured extension professors. Don Crawford, UK Grounds Manager, is committed to the use of more sustainable weed management techniques. The University of Kentucky has developed campus sustainability plans and sustainable landscape guidelines.
- 3) ***Ongoing Sources of Funding for Future Program Implementation beyond the Grant Period:*** UK Grounds employees approximately 80 personnel to manage the campus landscape. UK Grounds will continue using steam for non-chemical weed management beyond the grant period. Project PIs Agouridis and Munshaw are extension faculty, and as such, have access to funds for delivering extension (outreach) workshops.

## **PROJECT SUCCESS MEASURES**

The success of the project will be measured by the following quantifiable mechanisms:

- Items a-b, (Demonstration Plots), will evaluate the ability of steam as a non-chemical weed management technique.
- Item c, (Knowledge and attitude assessment), will gauge knowledge and attitudes of grounds personnel with regards to weed management and stormwater quality.
- Item e, (Training material development and piloting), will include pre-and post-surveys of workshop participants to determine the effectiveness of the workshops in increasing participant knowledge and awareness of non-chemical weed management techniques and stormwater quality.
- Additional measures of success include, but are not limited to, downloads of educational materials produced through this project, reductions in glyphosate purchases and use by UK Grounds, number of workshop attendees, incorporation of project materials into UK classes, and use of project information in UK extension programming (e.g., Master Gardeners).

The project will meet the goals of the Incentive Grant Program by helping improve water quality in impaired streams surrounding UK campus through reduced herbicide applications. Such reductions address concerns related to terrestrial and aquatic ecosystem health as well as human health. The project will provide public and private education related to stormwater quality with a focus on non-chemical weed management.

## **REPORTING REQUIREMENTS**

In addition to the reporting requirements outlined in the Grant Award Agreement, the following special items are noted for this project:

- 1) All handouts and educational materials shall be provided to the LFUCG Grant Manager in hard copy and electronic (PDF) format with Request for Funds & Project Status Reports and/or Project Final Report.
- 2) All attachments to Request for Funds & Project Status Reports shall reference the associated line Table 2 – Eligible Expenses.

## **EQUIPMENT**

Any equipment purchased with the Grant shall remain the property of the Organization.

## **ADDITIONAL STIPULATIONS**

- 1) Both electronic and hard copies of all materials are to be provided to LFUCG, for use, as part of the grant deliverables.
- 2) Organization shall obtain written approval/agreement prior to work being done on properties not owned by the applicant.
- 3) Organization to provide the results of the experiment to LFUCG if the results are not incorporated into the training materials and/or workshop content.
- 4) Organization proposes a larger cost share beyond that required by the grant program. Budget shall reflect the 27.2% cost share offered in the application (approximately \$7,153.51).

## **GRANT PERIOD & PROJECT SCHEDULE**

The grant period starts on the date of execution by the Mayor and extends for the time period as listed in the Grant Award Agreement. Any time extensions must be approved in writing by the LFUCG Grant Manager. The project schedule shown in Table 1 is preliminary. Proposed changes to the project which alter this schedule significantly shall be discussed with the LFUCG Grant Manager prior to implementation.

**TABLE 1 - PROJECT SCHEDULE**

Activity	Anticipated Date
Notice to proceed from LFUCG	January 2020
Layout of demonstration plots ( <i>Project Elements a and b</i> )	January 2020
Development of survey of grounds personnel; send to IRB for approval (item 3)	February 2020
Planting of boxwood and lily in demonstration plots (item 2)	March 2020
Administration of survey (item 3)	April – May 2020
Survey data analysis (item 3)	July 2020
Steam treatment applications and observations (items 1 and 2)	July 2020 – June 2021
Development of survey for grounds personnel; send to IRB for approval (item 4)	August 2020
Administration of survey (item 4)	October - November 2020
Survey data analysis (item 4)	December 2020
Training material development (item 5) and website development (item 5)	January – April 2020
Workshop delivery, workshop survey administration and analysis, training material refinement, website refinement (items 5 and 6)	May – June 2020
Prepare and deliver Final Report to LFUCG	July 2021

**PROJECT BUDGET – GRANT ELIGIBLE EXPENSES & ORGANIZATION COST SHARE**

Table 2 lists the Eligible Expenses for this project. Only properly invoiced items shall be reimbursed with grant monies or counted toward the Organization’s cost share.

Any work performed on this project prior to grant award by Urban County Council and Notice to Proceed from the LFUCG Grant Administrator is not an eligible expense and shall not be reimbursed or counted toward the cost share with the following exception: None.

**TABLE 2 – ELIGIBLE EXPENSES**

	Type of Expense	Participants	Item	Unit Price	Quantity	Funded by Organization	Funded by Grant	Total Expense	
<b>1 Project Element: Salary</b>									
2	Personnel Hours	Dr. Carmen Agouridis	Personnel hours	\$ 91.37 per hour	40	\$ 3,698.00	\$ -	\$ 3,698.00	
3	Personnel Hours	Gregg Munshaw	Personnel hours	\$ 47.44 per hour	43	\$ 2,034.00	\$ -	\$ 2,034.00	
4	Personnel Hours	Emily Ellingson	Personnel hours	\$ 23.17 per hour	60	\$ 1,394.00	\$ -	\$ 1,394.00	
5	Personnel Hours	Jesse Dahl	Personnel hours	\$ 21.07 per hour	31	\$ 644.00	\$ -	\$ 644.00	
<b>6 Project Element: Materials &amp; Supplies</b>									
7	Direct Costs	UKRF	Steamwand SW800 Unit (non-trailor mounted)	\$ 10,978.00 LS	1	\$ -	\$ 10,978.00	\$ 10,978.00	
8	Direct Costs	UKRF	Spike kit from Weedtechnics	\$ 785.00 LS	1	\$ -	\$ 785.00	\$ 785.00	
9	Direct Costs	UKRF	Freight for Steamwand and Spike kit	\$ 800.00 LS	1	\$ -	\$ 800.00	\$ 800.00	
10	Direct Costs	UKRF	Manufacturer training on operation of Steamwand and Spike kit	\$ 900.00 LS	1	\$ -	\$ 900.00	\$ 900.00	
11	Direct Costs	UKRF	Trailor	\$ 1,500.00 LS	1	\$ -	\$ 1,500.00	\$ 1,500.00	
12	Direct Costs	UKRF	500-Gallon tank	\$ 500.00 LS	1	\$ -	\$ 500.00	\$ 500.00	
13	Direct Costs	UKRF	Reel hose	\$ 875.00 LS	1	\$ -	\$ 875.00	\$ 875.00	
14	Direct Costs	UKRF	miscellaneous components for attaching tank and hose to trailer	\$ 200.00 LS	1	\$ -	\$ 200.00	\$ 200.00	
15	Direct Costs	UKRF	Boxwood	\$ 700.00 LS	1	\$ -	\$ 700.00	\$ 700.00	
16	Direct Costs	UKRF	Plot markers	\$ 100.00 LS	1	\$ -	\$ 100.00	\$ 100.00	
17	Direct Costs	UKRF	Temporary signage	\$ 200.00 LS	1	\$ -	\$ 200.00	\$ 200.00	
18	Direct Costs	UKRF	Printing for surveys and training materials	\$ 500.16 LS	1	\$ -	\$ 500.16	\$ 500.16	
19	Direct Costs	UKRF		LS					
20	Indirect Costs		indirect costs (cost of project)	\$ 3,608.00 LS	1	\$ -	\$ 3,608.00	\$ 3,608.00	
21	Indirect Costs		indirect costs (cost of project)	\$ 1,554.00 LS	1	\$ 1,554.00	\$ -	\$ 1,554.00	
22	<b>TOTAL PROJECT BUDGET:</b>						\$ 9,324.00	\$ 21,646.16	\$ 30,970.16
23						ORGANIZATION	GRANT		
24						SHARE	SHARE		
25						30.1%	69.9%		

COST SHARE % = 30.11% OK  
MUST BE > 20%

Stormwater Quality Projects Incentive Grant Program

