

GRANT AGREEMENT

THIS AGREEMENT, made and entered into on the _____ day of _____, 2025 by and between the **LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT**, an Urban County Government of the Commonwealth of Kentucky, created pursuant to KRS Chapter 67A (hereinafter "Government"), and **The University of Kentucky Research Foundation** (Hereinafter "Organization"), with the mailing address of 500 South Limestone, 109 Kinkead Hall, Lexington, Kentucky 40526-0001.

WITNESSETH:

WHEREAS, the Urban County Council created the Lex Grow Trees Grant Program to provide local funding to certain eligible property owners and organizations as reimbursement for eligible activities, such as tree planting, tree maintenance, tree education, and the development of tree advocates and stewards.

WHEREAS, the Government finds that such a grant program would provide a benefit to the public through improvements to air and water quality, energy savings, and habitat and conservation in the urban county; and

WHEREAS, Organization has applied for a grant from the Lex Grow Trees Grant Program, and the Tree Canopy Ad Hoc Committee has approved the application.

NOW FOR AND IN CONSIDERATION OF THE MUTUAL PROMISES AND COVENANTS HEREIN EXPRESSED, GOVERNMENT AND ORGANIZATION AGREE AS FOLLOWS:

1. **Amount of Grant.** Government hereby grants Organization the sum not to exceed \$86,134.00 as reimbursement or prepayment (as provided in Section 2) for the activities described in the Organization's application, which is attached hereto and incorporated herein by reference as Exhibit A, and which is further clarified and authorized in the Application Review, Scoring, and Determination Form, which is attached hereto and incorporated by reference as Exhibit B.
2. **Payments.** Government shall pay the Organization for expenditures the Organization actually incurred, or for expenditures made within thirty days after payment by Government, up to the total amount provided above, only after receipt of an invoice. The funds are limited to the services provided herein and may not be spent by the Organization for any other purpose without the prior written consent of Government. Any invoice must include evidence satisfactory to Government to document entitlement to payment, as well as a progress report. If Organization receives funds under this Agreement for expenditures made after receipt of the grant funds, Organization shall also provide evidence satisfactory to Government that the expenditure was made. Failure to provide any evidence required by this section shall require the Organization to repay grant funds.
3. **Compliance with Program Regulations.** As a condition for receipt of funds provided by this grant, Organization agrees that it has complied with and will continue to comply with all requirements provided in the Lex Grow Trees Grant Program Guidelines, attached hereto and incorporated herein by reference as Exhibit C, in any grant approval letter provided by the Division of Environmental Services, and in the Application Review, Scoring, and Determination Form (Exhibit B). Failure to comply with these requirements may result in denial of funds or repayment.

4. **Final Report Required.** A final report must be submitted within 30 days of completion of the project. This report shall include:
 - a. A description of the project and the benefits derived from its implementation;
 - b. Locations of trees planted, including species;
 - c. Locations of trees pruned or maintained, including species;
 - d. Information about events hosted, including topic, location, numbers of attendees, and photographs taken during the events;
 - e. A maintenance plan, if appropriate, or documentation of having maintenance discussions with individual property owners;
 - f. A summary table comparing the project budget to actual expenditures, along with supporting documentation; and
 - g. Sample outreach and/or educational materials used.

5. **Conflict.** To the extent that there is any conflict between or among this Agreement and any of its Exhibits, the terms and provisions of this Agreement shall prevail, followed by terms and provisions of Exhibit "C", then "B", then "A" in that order.

6. **Amendments.** By mutual agreement, the parties to this Agreement may, from time to time, make written changes to any provision hereof. Organization acknowledges that Government may make such changes only upon approval of its legislative authority, the Lexington-Fayette Urban County Council, and the signature of its Mayor.

7. **Entire Agreement.** This Agreement shall constitute the entire agreement between the parties and no representations, inducements, promises or agreements, oral or otherwise, which are not embodied herein shall be effective for any purpose. This Agreement shall replace any previous agreement between the parties on the same subject matter.

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

LEXINGTON-FAYETTE URBAN
COUNTY GOVERNMENT

BY: _____
LINDA GORTON, MAYOR

Type text here

ATTEST:

Clerk of the Urban County Council

University of Kentucky Research Foundation

Organization Name (Printed)

BY: Kim C. Carter
Signature Kim C. Carter

1/2/2025

Associate Director
Title

KUSP-

WITNESS SIGNATURE

GALKHAR KUSSAINOVA

WITNESS PRINTED NAME

01/02/2025

DATE

4881-3166-5349, v. 1

EXHIBIT A
ORGANIZATION'S APPLICATION

Form Name: Lex Grow Trees Grant Application
Submission Time: November 26, 2024 3:06 pm
Browser: Chrome 131.0.0.0 / Windows
IP Address: 128.163.8.103
Unique ID: 1291319161

Lex Grow Trees Grant Application

Organization information

Name of organization	University of Kentucky Research Foundation
Street address and zip code	500 South Limestone, 109 Kinkead Hall, Lexington, KY 40526-0001
Email	ospa@uky.edu
Phone	(859) 257-9420

Contact information

Contact person name	EI Williams
Contact person title	Research Administrator Senior
Contact person phone number	(859) 257-9420
Contact person email address	ospa@uky.edu

Project information

Upload a PDF packet with the project narrative, scope of work and community objectives, or entirety of application (including budget, photos, map and letters of support).	https://drive.google.com/uc?id=1CGI7Zh_kRCv3Sye-CJTANSvLRfztWvyS&export=download&display=/1291319161UniversityofKentuckyResearchFoundation_156059812_arboretum_lex_grow_trees_document.pdf
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Project start date	Jan 02, 2025
List milestone dates	Nov. 30, 2025, Nov. 30, 2026
Expected completion date	Nov 30, 2026

Upload a document with the project budget and explanation, if not uploaded previously.	https://drive.google.com/uc?id=1rINrZ4KQaTb3AbAxrLCIh-GGbP5k2bsj&export=download&display=/1291319161UniversityofKentuckyResearchFoundation_156060575_arboretum_lex_grow_trees_budget_justification_new.pdf
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Are you willing to accept partial funding?	No
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List the address/addresses and Council District where the project is located. 500 Alumni Drive, Lexington, KY District 3
Find the Council District at
lexingtonky.gov.

Supplemental material

Combine and upload a minimum of three color photographs of the project area, if not uploaded previously. https://drive.google.com/uc?id=18CX0OXtMuL79XpudPeJYcjTvufT4Pw-R&export=download&display=/1291319161UniversityofKentuckyResearchFoundation_156060675_arboretum_lexgrowtrees_photos_assembled.pdf

Upload a map of the proposed project location, if not uploaded previously (this can be a screenshot of a map but the project site must be identified). https://drive.google.com/uc?id=10tiekV7DGoCAH7FYZXsx8MkE5MmVWoSm&export=download&display=/1291319161UniversityofKentuckyResearchFoundation_156060679_arboretum_lex_grow_trees_maps.pdf

Combine and upload any other supporting documents or letters of support, if not uploaded previously. https://drive.google.com/uc?id=1ykDy8QsrcGGdf7YbYpp7cv0nUSLsDivN&export=download&display=/1291319161UniversityofKentuckyResearchFoundation_156060885_arboretum_lex_grow_trees_supporting_documents_2.pdf

The Arboretum, State Botanical Garden of Kentucky
500 Alumni Drive
Lexington, KY 40503

Project Title: Growing, Maintaining, and Interpreting The Arboretum's Tree Canopy

Principal Investigator: Jesse Dahl, Arboretum Grounds and Facilities Superintendent
Contact email: jesse.dahl3@uky.edu | phone: 859-213-1639

Project Narrative & Scope

Introduction

The Arboretum, State Botanical Garden of Kentucky is a 100-acre public garden devoted to environmental and horticultural education, research, and conservation. Our 5+ miles of walking trails are open to the public 365 days per year from dawn to dusk and free of charge to visit. Our living collection currently showcases over 3,500 woody plants, each plant has a accession tag and individual plant records. The Arboretum features three core areas: Ornamental Horticulture and Demonstration Gardens, the Kentucky Children's Garden, and the Walk Across Kentucky native plant collection. The Arboretum receives over 500,000 visitors each year and is a popular destination for Lexington residents and tourists. The Arboretum provides a critical recreational and educational resource for Lexington residents from all walks of life.

Although we are funded in part by the University of Kentucky, The Arboretum relies significantly on gifts and grant funding to support day-to-day work. We have an ISA-Certified arborist on staff who oversees the development and maintenance of our major plant collections. We engage volunteers extensively and recruit student interns annually to assist with the management of the collection while also learning about trees and sustainable management practices. In response to Lex Grow Trees' grant program objectives, we request funding to support additional planting, tree maintenance, and interpretation of The Arboretum's tree canopy. Such funding will enable us to increase the diversity and resilience of The Arboretum's tree canopy while expanding educational resources for Arboretum visitors.

Tree Planting

We propose planting 130 new trees in The Arboretum's horticultural gardens and displays. Arboretum staff have identified taxa that are not yet represented in the gardens collection but should thrive in The Arboretum's Kentucky soils and climate. Funding would be utilized to purchase ball and burlap (B&B) trees. In cases where B&B trees are not available, healthy container-grown trees, or bare root trees may be selected. These trees will allow us to update our collections with some of the newest cultivars and selections available. Showing new traits, new species, growth patterns, and the best disease resistance available we will continue to be an outstanding resource for homeowners and industry professionals on the diversity of plants available that thrive in our unique climate and soils.

We also propose the propagation and planting of 200 native trees. Many of these (at least 100) would be planted on Arboretum grounds while the remainder would be distributed to other public spaces and residents in Lexington to increase the diversity of native plants in Lexington's tree canopy.

The Arboretum's native plant collection is unique in that most of our plants are grown

from wild collected seed of Kentucky origin. One advantage of this practice is that it adds conservation value to our collection because we know the origin of our plants which aids research, conservation, and restoration purposes. Another advantage of growing plants from wild collected seed in our ecoregion is that these plants are already well adapted to Kentucky's climate. Finally, seed-grown native plants increase the genetic diversity and resilience of our planted landscapes.

As part of our proposal, we request funding for the travel expenses associated with the collection of native seed from Kentucky natural areas.

Tree Maintenance

The Arboretum is the home of over 3,500 woody plants, and is a living library for students, researchers, and visitors alike. With this proposal we are requesting funding to pay for 2 internship positions in 2025 and 2026. These interns will learn proper tree care and will work with Arboretum staff and volunteers to grow, plant, mulch, water, and prune both the newly planted trees and the hundreds of pre-existing at The Arboretum. They will gain valuable hands-on experience working with trees, while making sure that newly planted additions are provided with the best possible start.

Education and Interpretation

All woody plants in The Arboretum's collection are labeled with an accession tag that contains species information and a unique identifying number. Some trees also include more descriptive labels or larger labels on stakes, which help visitors identify trees in the collection. With this proposal, we propose the manufacture and installation of 350 new interpretative plant labels on trees across The Arboretum. With this, the goal is to educate visitors about trees and instill in them an appreciation for nature and our urban forest.

Finally, we plan to incorporate an educational component which would allow The Arboretum to annually host a free Community Tree Event for the public during Tree Week. This would educate attendees about tree care, tree pests and diseases, and other tree-related topics.

Community Objectives

- Protect and enhance The Arboretum's tree canopy, an important recreational and educational resource for our community.
- Educate the public about trees and their environmental benefits.
- Instill an appreciation for nature and our urban forest in Arboretum visitors of all ages and walks of life.
- Grow and distribute native trees and shrubs for the expansion of Lexington's tree canopy outside of The Arboretum.

Major Goals

- Expand The Arboretum's tree canopy and increase the diversity of tree species on The Arboretum's grounds.
 - Plant at least 230 trees on The Arboretum's grounds – at least 100 of these plants will be wild collected, and native to Kentucky.
 - Propagate more than 100 additional native trees and shrubs for planting in public spaces within Lexington and/or distribution to the public.
- Protect and improve the health of the 230 new trees, and 500 of our established trees by

training, and employing student interns.

- Educate the public about different species of trees and shrubs through interpretive signage and plant labels.
 - Install 350 new plant labels for trees and shrubs across The Arboretum.
- Host a Community Tree Event during Tree Week to educate the public on tree and woody plant care, issues, and possibilities.
- Engage 35-40 volunteers in tree planting, maintenance, and propagation, to instill a sense of ownership and appreciation for our urban forest.

The Arboretum, State Botanical Garden of Kentucky
Lex Grow Trees Grant Application
Budget Justification

Project Title: Growing, Maintaining, and Interpreting The Arboretum’s Tree Canopy

Principal Investigator: Jesse Dahl, Arboretum Grounds and Facilities Superintendent
Contact email: jesse.dahl3@uky.edu
Contact phone: 859-213-1639

Direct Costs

1. Tree Maintenance

Funding is requested to pay for 2 student internship positions during the growing season of years 2025 and 2026. These interns will learn proper tree care (pruning, planting, mulching, watering, labeling) and will gain experience by caring for and ensuring the long-term success of 230 new trees in The Arboretum’s collection. The extra care at the beginning will help them adapt, and lead to trees that require minimal effort for decades to come. These student interns will also help with the pruning, mulching, and other forms of tree care for our 500 pre-existing trees at The Arboretum.

Expense Item	Cost (Year 1)	(Year2)
Grounds Superintendent (PI)	\$1,606	\$1,654
2 Student Interns	\$17,317	\$17,317
Intern Tools (saws, loppers, pruners, weed knives)	\$2,000	
Subtotal:	20,923	\$18,971

230 trees will be planted, managed, and maintained by staff, interns, and volunteers with an additional 500 receiving yearly maintenance.

2. Planting and Propagation

Funding is requested to purchase 130 ball and burlap trees from regional nurseries for planting in The Arboretum’s ornamental gardens. Funding for related travel expenses to collect seed from Kentucky natural areas in Fall 2025 and Fall 2026 is also requested.

Expense Item	Cost (Year 1)	(Year 2)
Grounds Superintendent (PI)	\$1,606	\$1,654

130 B&B or containerized trees (average cost of \$250.00 each)	\$17,000	\$17,000
Travel expenses for seed collection (Fall 2025, Fall 2026)	\$1,500	\$1,500
Subtotal:	\$20,106	\$20,154

At least 200 native trees and shrubs will be propagated by the Arboretum from wild-collected seed gathered on the funded seed collection trips. Approximately 100 of these will be planted in The Arboretum and the remainder will be distributed to other public spaces and Fayette County residents in Lexington. These trees grown from wild collected seed will allow us to preserve and showcase native germplasm for tree conservation and research.

130 ball and burlap (B&B) trees will be sourced from regional nurseries and planted at The Arboretum – in cases where our target species are not available as B&B trees, we may select container-grown trees, or bare root trees for this planting project.

3. Interpretation and Education

Funding is requested to produce educational interpretive signage to be installed in all areas of The Arboretum. These descriptive labels would provide passive education to our 500,000+ visitors a year.

Financial support is requested to fund the cost of a yearly Community Tree Event during Tree Week. Funds would be used for tents and speaker fees. The Community Tree Event would be free to the public and be one location where we could spread our wild collected, native trees to the greater public. The focus of the event would be trees, tree issues, and would include tree plantings and tree walks.

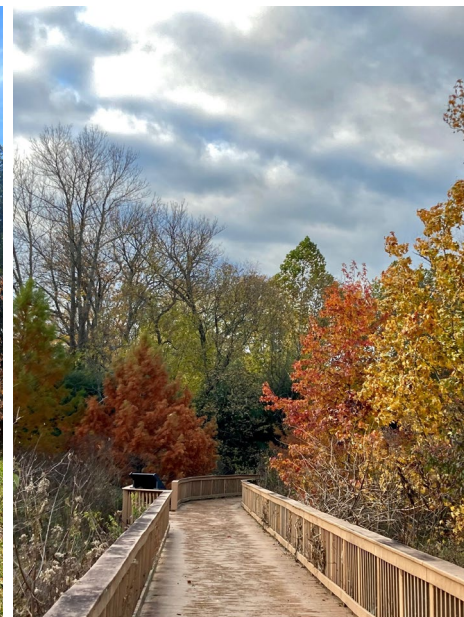
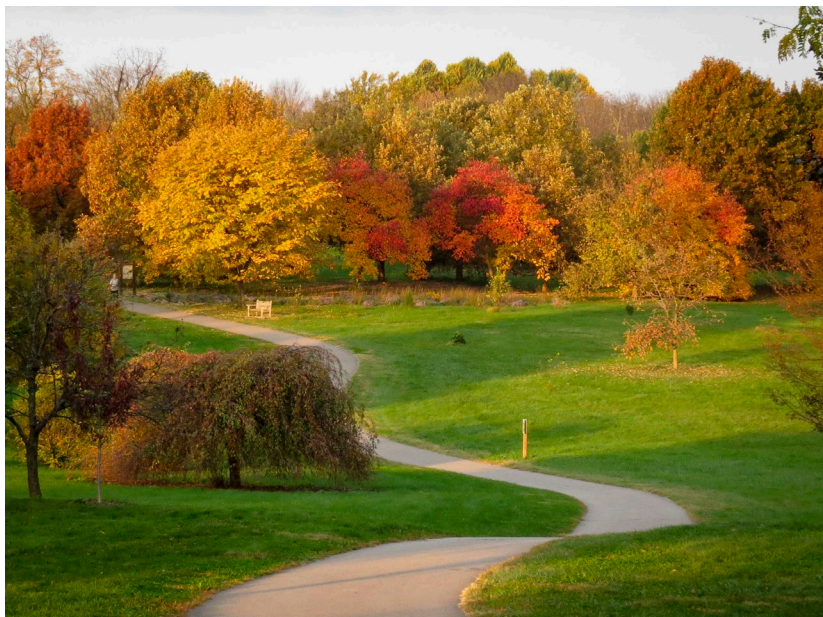
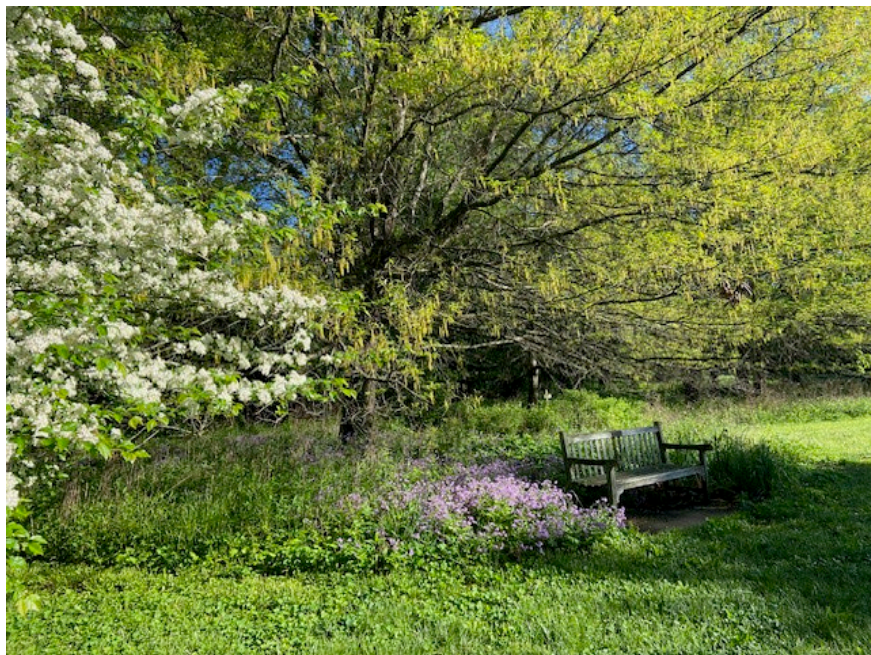
Expense Item	Quantity	Unit Cost	Cost (year 1)	Cost (year 2)
Grounds Superintendent (PI)			\$1,605	\$1,653
Descriptive labels for woody plants	350	\$30	\$5,250	\$5,250
Community Tree Event			\$1,000	\$1,000
		Subtotal:	\$7,855	\$7,903

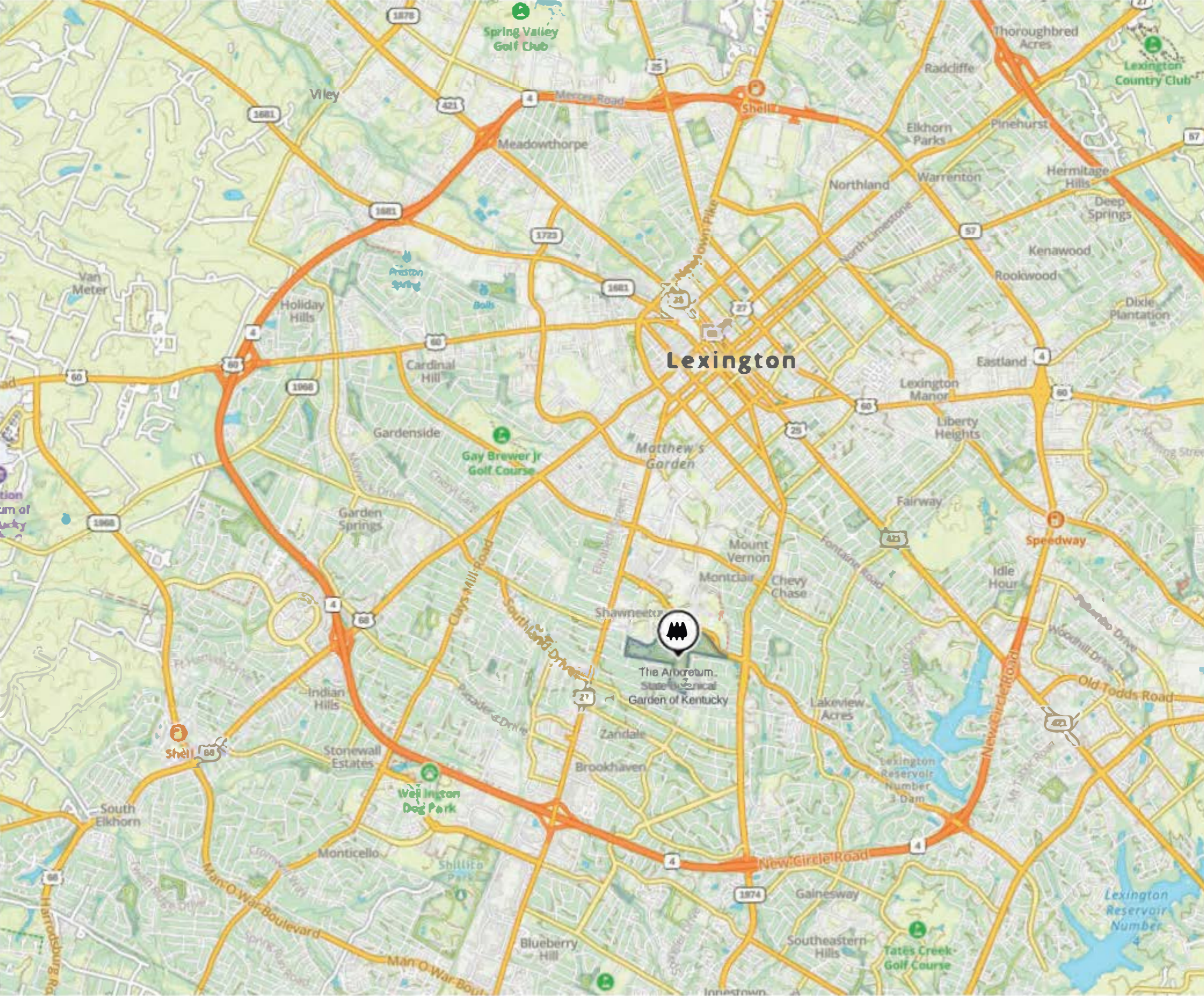
Summary of Direct Costs:

Category	Cost
Tree maintenance	\$39,894
Tree Planting and Propagation	\$40,260

Interpretation and Education	\$15,758
Total Direct Costs:	\$95,912

The Arboretum State Botanical Garden of Kentucky





Lexington



The Arboretum,
State Botanical
Garden of Kentucky

Spring Valley
Golf Club

Lexington
Country Club

Gay Brewer Jr
Golf Course

Veit Ingleton
Dog Park

Tates Creek
Golf Course

Lexington
Reservoir
Number
4

Lexington
Reservoir
Number
3 Dam

Shell

Speedway

4

1874

4

27

68

4

1908

1908

60

4

1681

1723

1681

421

1681

1876

25

87

57

27

4

60

25

68

68

27

68

4

4

8

6

Innestown

Man O War Boul

Man O War Boulevard

New Circle Road

New Circle Road

Southern Drive

Clays Mill Road

Cheryl Lane

Garden Springs

Holiday Hills

Viley

Meadowthorpe

Shell

Elkhorn
Parks

Pinehurst

Northland

Warrenton

Hermitage
Hills

Deep
Springs

Kenawood

Rookwood

Dixie
Plantation

Eastland

Lexington
Manor

Liberty
Heights

Matthew's
Garden

Gardenside

Garden
Springs

Mount
Vernon

Montclair

Chey
Chase

Fairway

Idle
Hour

Shawnee

Woodhill Drive

Old Todd's Road

Lakeview
Acres

Zandale

Brookhaven

Stonewall
Estates

Indian
Hills

South
Elkhorn

Monticello

Shillito
Park

Blueberry
Hill

Southeastern
Hills

Tates Creek
Golf Course

Lexington
Reservoir
Number
4

Shell

Speedway

4

1874

4

27

68

4

1908

1908

60

4

1681

1723

1681

421

1681

1876

25

87

57

27

4

60

25

68

68

27

68

4

4

8

6

Innestown

Man O War Boul

Man O War Boulevard

New Circle Road

New Circle Road

Southern Drive

Clays Mill Road

Cheryl Lane

Garden Springs

Holiday Hills

Viley

Meadowthorpe

Shell

Elkhorn
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Estates

Indian
Hills

South
Elkhorn

Monticello

Shillito
Park

Blueberry
Hill

Southeastern
Hills

Tates Creek
Golf Course

Lexington
Reservoir
Number
4



Roadways
Shared-use Connectors

Paths
 Walk Across Kentucky
 ~ 0.25 mile
 Wetland Bridge
 Secondary Paths
 Garden Paths

- Entrances**
- ① Alumni Drive
 - ② University Court
 - ③ Shady Lane
 - ④ Bellefonte Drive

- Regional Features**
- ① Trail of Pines
 - ② Cane Break
 - ③ Fallen Oak
 - ④ Shawnee Hills Floodplain Forest
 - ⑤ Mississippi Embayment Wetland
 - ⑥ Shawnee Hills Meadow
 - ⑦ Pennyrile Prairie

Cumberland Mountains



East

Knobs

West

Appalachian Plateau

Bluegrass

Overflow Parking

Parking

Restrooms

Kentucky Children's Garden
 (see separate brochure)

Pennyrile

Picnic Area

Visitor Center

Horticultural Gardens and Displays
 (see reverse side)

Arboretum Woods

Shawnee Hills

Mississippi Embayment

Growing, Maintaining, and Interpreting The Arboretum's Tree Canopy

The Arboretum, State Botanical Garden of Kentucky

Principal Investigator: Jesse Dahl, Arboretum Facilities and Grounds Superintendent

Email: jesse.dahl3@uky.edu

Phone: 859-213-1639

Project Timeline

Task	Start Date	End Date	2025												2026											
			Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Tree Planting and Propagation																										
Planting 130 b&b or containerized trees in ornamental gardens	Jan-25	Oct-26																								
Plant first round of trees - approximately 65																										
Plant second round of trees - approx. 65																										
Native Tree & Shrub Propagation	Jan-25	Nov-26																								
Obtain permits for seed collection																										
Collect native seed from natural areas, process seed																										
Native plant propagation																										
Nursery care and maintenance																										
Planting native trees and shrubs in Arboretum																										
Distribution of native trees and shrubs to community																										
Tree Maintenance																										
Tree Planting, Mulching, Watering, Pruning	Jan-25	Nov-26																								
Internships																										
Education and Interpretation																										
Plant labels and Interpretive Signs	Jan-25	Nov-26																								
Produce and install 175 plant labels																										
Produce and install remaining 175 plant labels																										
Community Tree Event and Volunteer Engagement	Jan-25	Nov-26																								
Host community tree event																										
Engage volunteers with tree care, maintenace																										

Growing, Maintaining, and Interpreting The Arboretum's Tree Canopy

The Arboretum, State Botanical Garden of Kentucky

Target Planting List for Ornamental Gardens

Latin Name	Common Name
<i>Abies balsamea</i>	balsam fir
<i>Abies koreana</i>	Korean fir
<i>Acer davidii</i> maple	snakebark
<i>Acer griseum</i> x <i>maximowiczianum</i>	hybrid paperbark maple
<i>Aesculus</i> x <i>arnoldiana</i> 'Autumn Splendor'	Arnold buckeye
<i>Acer psuedoplatanus</i> 'Esk Sunset' Maple'	sycamore maple
<i>Acer sieboldianum</i>	Siebold maple
<i>Asimina triloba</i> 'Shenandoah', 'Allegheny', 'KSU Atwood', 'KSU Benson', 'NC-1', 'Potomac', 'Susquehanna', 'Wabash'	pawpaw
<i>Amelanchier</i> 'Rainbow Pillar', 'Robin Hill', 'Ballerina', 'Autumn Brilliance'	serviceberry
<i>Betula papyrifera</i> 'Renaissance Oasis'	paper birch
<i>Cercis canadensis</i> 'Northern Lights', 'Midnight Express', 'Golden Falls', 'Caroline Sweetheart', 'Flame Thrower'	eastern redbud
<i>Chionanthus retusus</i> 'Tokyo Tower'	Chinese fringetree
<i>Cercidiphyllum japonicum</i> 'Claim Jumper' katsura	Japanese
<i>Cornus florida</i> 'Spring Grove', 'Cherokee Brave'	flowering dogwood
<i>Cornus</i> x. 'Rosy Teacups', 'Celestial Shadow', 'Scarlet Fire', 'Golden Shadows'	hybrid dogwood
<i>Cornus kousa</i> 'Blue Shadow', 'Snow Tower', 'Mandarin Jewel', 'Gold Star', 'Heart Throb'	Kousa dogwood
<i>Cotinus</i> 'Golden Spirit', 'Velveteeny', 'Young Lady'	smoketree
<i>Corylus fargesii</i>	Chinese hazelnut
<i>Crataegus crus-galli</i> var. <i>inermis</i> 'Crusader'	thornless cockspur hawthorn
<i>Diospyros virginiana</i> 'Golden Delight'	American persimmon
<i>Gingko biloba</i> 'Autumn Gold', 'Chi-Chi', 'Mariken', 'Troll', 'Autumn Gold'	gingko
<i>Heptacodium miconiodes</i>	seven-son flower
<i>Ilex</i> 'Buford', 'Meserve', 'Nellie Stevens', 'Dragon Lady'	holly hybrids
<i>Larix kaempferi</i>	Japanese larch
<i>Liquidambar styraciflua</i> 'Gold Beacon'	sweet gum
<i>Magnolia</i> 'Betty', 'Coral Lake', 'Lois', 'Sun Sprite', 'Daybreak', 'Yellow Lantern'	magnolia hybrids

<i>Magnolia hypolueca</i> magnolia	whitebark
<i>Magnolia kobus</i>	Kobushi magnolia
<i>Magnolia virginiana</i> ‘Henry Hicks’, ‘Northern Belle’, ‘Sweet Thing’	sweetbay magnolia
<i>Malus</i> ‘Dayton’, ‘Liberty’, ‘Spartan’, ‘Priscilla’, ‘Enterprise’, ‘Sundance’	apple
<i>Malus</i> ‘Coralburst’, ‘Emerald Spire’, ‘Lancelot’, ‘Marilee’, ‘Perfect Purple’, ‘Raspberry Spear’, ‘Sparkling Sprite’, ‘Lollipop’	crabapple
<i>Metasequoia glyptostroboides</i> ‘Species’ ‘Soul Fire’	dawn redwood
<i>Nyssa sylvatica</i> ‘Tupelo Tower’, ‘Afterburner’, ‘Fire Starter’, ‘Forest Fire’, ‘Northern Splendour’	black gum
<i>Ostrya virginiana</i> ‘Autumn treasure’	hop hornbeam
<i>Parrotia persica</i> , ‘Species’, ‘Golden Belltower’ Persian ironwood	
<i>Parrotia subaquelis</i> ironwood	Chinese
<i>Pinus cembra</i>	Swiss pine
<i>Pinus flexilis</i>	limber pine
<i>Pinus heildrichii</i>	Bosnian pine
<i>Pinus peuce</i>	Balkan pine
<i>Prunus subhirtella</i> ‘Snowgoose’	winter-flowering cherry
<i>Prunus</i> ‘Snow Fountains’, ‘Thundercloud’, ‘Pink Flair’	Snow Fountains weeping cherry
<i>Quercus x waryi</i> ‘Nadler’	hybrid English oak
<i>Sciadopitys verticillata</i>	umbrella pine
<i>Styrax japonicus</i> snowball tree	Japanese
<i>Sorbus rufoferruginea</i> ‘Longwood Sunset’	mountain-ash
<i>Stewartia pseudocamelia</i> stewartia	Japanese
<i>Syringa</i> ‘Great Wall’, ‘Summer Storms’, ‘Snowdance’	tree lilac
<i>Taxodium</i> ‘Chapel’, ‘Coy's Feathers’, ‘Gee Whiz’, ‘Green Feather’, ‘Green Whisper’, ‘Shawnee Brave’	bald cypress
<i>Tilia cordata</i> ‘Greenspire’	little leaf linden
<i>Tilia tomentosa</i> ‘Sterling’	silver linden
<i>Thuja occidentalis</i> ‘Degroot's Spire’, ‘Emerald’, ‘Nigra’, ‘Sunkist’, ‘Yellow Ribbon’, ‘Elegantissima’, ‘Holmstrup’, ‘North Pole’, ‘Sunkist’,	northern white cedar
<i>Thuja plicata</i> ‘Can Can’, ‘Gelderland’, ‘Zebrina’, ‘Spring Grove’, ‘Fastigiata’, ‘Green Splendour’	western red cedar

**This is a target list only - exact species and cultivars planted may vary depending upon availability. B&B trees will be sourced whenever available - healthy container grown trees may be selected when healthy B&B trees are not available.

Growing, Maintaining, and Interpreting The Arboretum's Tree Canopy

The Arboretum, State Botanical Garden of Kentucky

Native Plant Target Species for Propagation

Latin Name	Common Name
Canopy Trees	
<i>Carya laciniosa</i>	shellbark hickory
<i>Carya ovalis</i>	red hickory
<i>Carya pallida</i>	sand hickory
<i>Halesia carolina</i> *	Carolina silverbell
<i>Juglans cinerea</i> *	white walnut
<i>Magnolia acuminata</i>	cucumber magnolia
<i>Magnolia fraseri</i>	Fraser's magnolia
<i>Magnolia pyramidata</i> *	pyramid magnolia
<i>Nyssa aquatica</i> *	water tupelo
<i>Nyssa biflora</i>	swamp tupelo
<i>Pinus echinata</i>	shortleaf pine
<i>Populus deltoides</i>	eastern cottonwood
<i>Populus heterophylla</i>	swamp cottonwood
<i>Prunus spp.</i>	native plums
<i>Quercus falcata</i>	Southern red oak
<i>Quercus marilandica</i>	blackjack oak
<i>Quercus stellata</i>	post oak
Understory Trees	
<i>Aesculus pavia</i>	red buckeye
<i>Castanea pumila</i>	dwarf chestnut
<i>Chionanthus virginicus</i>	American fringetree
<i>Cornus alternifolia</i>	alternate-leaf dogwood
<i>Cotinus obovatus</i>	American smoketree
<i>Crataegus spp.</i>	native hawthorns
<i>Dirca palustris</i>	leatherwood
<i>Euonymus atropurpureus</i>	wahoo
<i>Forestiera ligustrina</i> *	upland privet
<i>Ostrya virginiana</i>	hop hornbeam
<i>Ptelea trifoliata</i>	hoptree
<i>Rhamnus lanceolata</i> *	lance-leaved buckthorn

*State rare species - reserved for The Arboretum's collection.

**This list is intended to be an example of target species only. Exact species grown will depend upon seed availability, access, and propagation success.

EXHIBIT B

APPLICATION REVIEW, SCORING, AND DETERMINATION FORM

**LEXINGTON-FAYETTE URBAN COUNTY GOVERNMENT
TREE CANOPY AD HOC COMMITTEE
LEX GROW TREES GRANT PROGRAM
APPLICATION REVIEW, SCORING, AND DETERMINATION**

Applicant Name: University of Kentucky Research Foundation - Arboretum

Requested Grant Amount: \$95,912.00

Project Elements:

1. Tree Planting and Propagation
2. Tree Maintenance
3. Education and Interpretation

RECOMMENDATION OF THE SCORING COMMITTEE

- Applicant and proposed project meet program eligibility requirements. Project Score: 92.5.
- Approve the Grant Application for the Partial amount of \$86,134.00.
- Approve the Grant Application with the following stipulations:
 1. Grant funds shall not be allocated to or used for the Expense Items listed as Grounds Superintendent (PI).

TREE CANOPY AD HOC COMMITTEE DETERMINATION

After considering the recommendation of the Scoring Committee, the application and supporting information, and having heard evidence, the Committee finds:

_____ The application does not meet the eligibility requirements of the grant program as set forth in the Grant Program Guidelines and the grant application is denied.

--- OR ---

The application meets the eligibility requirements of the grant program as set forth in the Grant Program Guidelines.

The application has been scored and is deemed worthy of funding this granting cycle.

The grant application is approved in the amount of: \$ 86,134.00

The grant is approved with the following stipulations: see item 1 in the recommendation section above

_____ The application has been scored. Insufficient funds are available to cover the project for this Fiscal Year.

_____ Other: _____



Chairperson

12/20/24

Date

EXHIBIT C

LEX GROW TREES GRANT PROGRAM GUIDELINES

Lex Grow Trees Grant Program Guidelines

Round 2 – Fall 2024

Objectives

1. Increase the scale and health of our tree canopy.
2. Increase community buy-in and resident engagement in assuring the creation and maintenance of our tree canopy.
3. Guide a cultural shift in the understanding of the benefits of trees for individuals, our economy, our community's social structure, and our collective community's health.
4. Address the equity challenges of access to the benefits of a healthy tree canopy.

Background

As a result of several opportunities and issues facing the residents of Lexington over the past several years, there has been an unprecedented level of concern for our City's tree canopy. Upon hearing these concerns and during discussions on how the City would allocate its share of Federal ARPA funds, the Urban County Council and the administration desired to allocate funds to growing Lexington's tree canopy. In February 2022, the Council authorized \$1.5 Million from budget stabilization funds for improving Lexington's tree canopy. The funds were placed with the Division of Environmental Services to oversee their expenditure. The Tree Canopy Ad Hoc Committee was formed to provide input to the division as to how the funds should be allocated. The committee created the Lex Grow Trees campaign which is dedicated to addressing tree canopy inequalities in Lexington. Four areas of focus that Lex Grow Trees determined are:

1. Mobilization of community and neighborhood tree advocates and stewards
2. Tree planting
3. Tree maintenance
4. Tree education

In the FY22 budget, \$75,000 was allocated to update Lexington's Urban Tree Canopy Study, which had been completed in 2012. The change analysis, completed in the fall of 2022, looked at the most recent data from 2020 as compared to the 2012 data. It provides information on the tree canopy by council district, watershed, census tract, and types of property ownership. The assessment also includes planting plans to achieve various canopy goals. We encourage potential applicants to review this study to help spark potential project ideas.

Based on the Urban Tree Canopy Study, LFUCG-owned properties are, on average, meeting the 30% recommended city-wide canopy goal. The study shows that other publicly-owned properties and most privately-owned properties are in need of increased tree canopy. As such, the Lex Grow Trees Grant Program will provide preference to projects proposed on properties not owned by the City.

Eligible Organizations

1. Federally recognized non-profit organizations 501(c)(3)

2. Incorporated, active neighborhood or homeowners associations
3. For profit organizations

Eligible Activities

1. Tree planting
2. Tree maintenance
3. Tree education
4. Develop and support tree advocates and stewards

Ineligible for Funding

In general, the following items are not eligible for funding; however, potential applicants are encouraged to discuss their proposed project idea with the Division of Environmental Services prior to the application deadline if there are questions about funding eligibility.

1. Planting of trees to fulfill development and/or zoning requirements (e.g., Chapter 17B of the Code of Ordinances, Articles 18 and 26 of the Zoning Ordinance, and Article 6-10 of the Land Subdivision Regulations). Trees proposed for a development site that are in addition to trees that are required by ordinance are potentially eligible for funding if the applicant can demonstrate that they have funds available to complete the required plantings.
2. Tree-related activities, like planting or maintenance, on LFUCG property, or marketing or educational campaigns about trees generally that can be, or is being, performed by LFUCG staff.
3. Indirect costs, including, but not limited to those applied as a percentage of the direct costs of the proposed project budget.

Application Requirements

Applications must include the following information:

1. Organization info
 - a. Name of organization
 - b. Street address and zip code
 - c. Phone number
 - d. Email address
2. Contact information
 - a. Contact person name
 - b. Contact person title
 - c. Contact person phone number
 - d. Contact person email address
3. Project narrative, scope of work, and community objectives (If applicable, include a list of project partners and tree experts who will be engaged in your project.)
4. Project dates and project schedule
 - a. Starting date
 - b. Milestone dates
 - c. Expected completion date
5. Project budget and explanation
6. List the address/addresses and Council District where the project is located. (Find the Council District here: <https://www.lexingtonky.gov/>)

7. Supplemental material
 - a. A minimum of three (3) color photographs of the project area
 - b. A map of the proposed project location (This can be a screenshot of a map but the project site must be identified.)
 - c. Any other supporting documents or letters of support
8. Page limit: 10 pages with font size 12

Selection Criteria

Applications for each funding cycle will be evaluated by the Tree Canopy Ad Hoc Committee. Applications and the activities proposed will be evaluated and grant awards will be made based on consideration of the following factors (the scoring rubric is at the end of this document):

1. Location with a focus on equity (See the [2022 Urban Tree Canopy Study](#).)
2. Number of people reached via engagement or education
3. Ability of the applicant to maintain the project
4. Cost efficiency (budget must be specific, justified, and reasonable)
5. Number of trees (newly planted)
6. Number of trees (maintenance or care of existing)

Additional Grant Program Guidelines and Requirements

1. All applicants must submit a completed application by the deadline.
2. A detailed project plan and budget for all expenses shall be prepared and included in the application. If selected for a grant, a more detailed project plan and budget may be required for the Grant Award.
3. If selected for a grant, the organization must have a taxpayer ID and be willing to provide a W-9 to LFUCG.
4. If selected for a grant, the organization must be willing to sign the Grant Agreement that will be processed for approval by the Urban County Council and the Mayor's signature. A copy of the Grant Agreement is attached.
5. To receive grant funds, grantees will submit Requests for Reimbursement for consideration. Each Request for Reimbursement shall include documentation to support the reimbursement request (*e.g.*, paid invoices, receipts, pay stubs) or quotes for items to be purchased within thirty (30) days of the funds disbursement. The final ten percent (10%) of the grant funds shall not be requested until the project is complete and the final report (see #13 below) is submitted. Upon acceptance of the final report, the final invoice will be processed for payment, and the grant will be closed out.
6. Organizations will have up to 24 months from the time of the execution of the Grant Agreement to complete the projects.
7. Full responsibility for management of the project lies with the organization awarded funds. This includes the following:
 - a. Obtaining approvals.
 - b. Sign-offs from LFUCG offices regarding species selection, sight distance, encroachment/location issues, planting safety issues, and maintenance specifications.
8. All grant-funded projects must be completed in accordance with applicable local, state, and federal law. All required permits, agreements, permissions, approvals, etc. must be obtained by the grant recipient or their representatives prior to commencing work.

9. Any project that includes movement of soil and/or land disturbance shall call 811 for utility locating services per state regulations.
10. The project cannot include permanent changes within the street right-of-way without the prior express written approval from LFUCG or KYTC, as appropriate. Likewise, the project cannot include permanent changes on properties not owned and/or controlled by the grant recipient without the prior express written approval from the property owner.
11. Any project proposing tree planting shall follow LFUCG's Planting Manual under the advisement of LFUCG's Urban Forester (see: www.lexingtonky.gov/forestry). Grantees are encouraged to contact the Urban Forestry staff with questions about proper planting procedures and correct maintenance techniques.
12. All project materials and any associated marketing must be co-branded using the Lex Grow Trees branding.
13. A final report must be submitted within 30 days of completion of the project. This report shall include:
 - a. A description of the project and the benefits derived from its implementation;
 - b. Locations of trees planted, including species;
 - c. Locations of trees pruned or maintained, including species;
 - d. Information about events hosted, including topic, location, numbers of attendees, and photographs taken during the events;
 - e. A maintenance plan, if appropriate, or documentation of having maintenance discussions with individual property owners;
 - f. A summary table comparing the project budget to actual expenditures, along with supporting documentation;
 - g. Sample outreach and/or educational materials used.