



Project: Community Tree Planting

Applicant: City of Columbia Tree Board

Mailing Address: 701 E. Broadway, City Hall, Attn: Community Development, Columbia, MO 65201

Tree Board Contact: Samuel Wright (Chair), Samuel.Wright907@gmail.com, 573-823-1751

Staff Contact: Steve Fritz, Steve.Fritz@CoMo.Gov, 573-874-6357

Objective

To promote community access to greenspace by improvements to a neighborhood city owned property.

Project Narrative

The Columbia Tree Board proposes to create a mulched native tree planting in the vicinity of the southwest corner of North Garth Avenue and West Sexton Road in Columbia. This intersection is in Columbia's historic Ridgeway Neighborhood, located in an area designated tier one by the Missouri Department of Conservation.

In 2022 the City of Columbia initiated an urban heat study to document the disparity in temperatures on a summer's day in various areas of our city. 36 volunteers were dispatched across the city to collect thousands of temperature data points. The discoveries yielded by the study data indicate that urban neighborhoods with fewer tree resources tend to be several degrees hotter than suburban neighborhoods with an established tree canopy. The location of the proposed planting lies within one of the hottest areas of the city, according to data from the study.

This proposed tree planting will help to address and ameliorate excessive summer heat currently experienced by the residents in this part of our community. It will also help to counteract an anticipated loss of trees and a de facto green space due

to impending development on the northeast corner of this intersection. This corner is occupied by an approximately one-acre green space with mature canopy and will soon be razed and developed for additional community housing. Our goal with the proposed planting is not just to replace the trees being lost to development, but to bring more trees to this intersection than it currently has. Besides the positive effects already mentioned in this narrative, these trees will enhance and bolster the tree population already present in this neighborhood. Importantly, the act of tree planting will also serve as a very visible act of community building for this neighborhood, bringing neighbors together to water and care for the newly planted trees. This will also help establish a positive relationship between the neighbors living in the Ridgeway Neighborhood, and the City of Columbia, the Columbia Tree Board, and the Missouri Department of Conservation.

Goals

1. Adding trees to bring shade and cooling to a neighborhood currently experiencing excessive heat during the summer.
2. Enhancing the natural esthetics of this neighborhood.
3. Counteracting an anticipated tree loss due to residential development.
4. Utilizing the tree planting as an act of community building and as a method to improve neighbor relations and neighbor/city relations.
5. Use this tree planting as a model for future neighborhood tree plantings in Columbia facilitated by the Columbia Tree Board and the City of Columbia.
6. Use community awareness of this tree planting to bring additional visibility and awareness to the Columbia Tree Board, the Columbia Office of Sustainability, the 2022 Columbia Urban Heat Study, and to the Columbia Climate Action and Adaptation Plan.
7. To enhance and bolster the tree canopy in north central Columbia.

Project Timeline

February- Attend Ridgeway Neighborhood Association meeting to discuss the project.

March- City contractor to perform site prep (dead tree removal, pruning, and forestry head mulching) Contractor to install a frost free hydrant.

April- City tree planting contractor to install trees and tree diapers. Local landscape company to haul in and place mulch. Host community event to teach neighborhood volunteers proper tree care.

Materials and Services

Site prep- \$1,967.02

Planting material- \$2,645.50

Mulch- \$4,449.60

Tools and Equipment

TreeDiapers- \$848.88

Hose/acc.- \$100.00

Publicity Plan

Issue a press release through the public information office and City website. Announce the project on social media.

Location



Site Plan



Budget

City of Columbia Community Conservation FY24 Overview of Expenditures				Notes
A. Reimbursable Costs		Amount		
Consultant Fees (<i>tree inventory, plan development, marketing</i>)				
Contracted labor (<i>tree removals, pruning, tree planting</i>)		\$2,645.50		Planting
Software purchase			Enter in each amount on these lines to the left	
Equipment purchase or rental				
Education (<i>conference fees, travel costs, program materials</i>)				
Native seed, herbicide, site prep		\$1,967.02		Site prep
Trees for planting				
Purchased materials for planting (<i>stakes, mulch, watering bags</i>)		\$5,398.48		Mulch, Treediapers, hose
Subtotal	\$10,011.00	Calculates Total	
B.Non-reimbursable Costs		Amount		
Administrative costs (record keeping, bill paying, etc)		\$210.00		
Paid employee labor (X salary multiplied by hours for what work		\$700.00		
Donated labor (<i>at \$15/hr</i>)		\$240.00	Enter in each amount on these lines to the left	
Donated equipment costs				
In-kind equipment use (Google and use "2023 FEMA Rates"				
Donated materials (<i>stakes, mulch, etc.</i>)				
Other				
Subtotal	\$1,150.00	Calculates Total	
C. Total Estimated Project Costs				
<i>(add above subtotal lines).....</i>				\$11,161
			automatically calculated	



12/23/2023

Ann Koenig
Community Forester
Missouri Department of Conservation

Hello Ann,

As City Arborist and liaison to the City of Columbia Tree Board, I wish to provide my support to the Tree Board's proposed planting project. The board continues to seek outreach opportunities within the community and this project aligns with their goals and also the vision of the Ridgeway Neighborhood Association's plan to enhance green space within their neighborhood. Please accept this as my official letter of recommendation.

Best regards,

Steve Fritz
City Arborist
Community Development Department
City of Columbia, MO
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(573) 874-7474