



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Department Source: Sustainability

To: City Council

From: City Manager & Staff

Council Meeting Date: April 18, 2022

Re: Appropriation of funds received from the Urban Sustainability Directors Network for Climate resilience and mitigation activities.

Executive Summary

This appropriation of funds follows an award of \$19,111.66 from the Urban Sustainability Directors Network to the City of Columbia's Office of Sustainability. These funds will be used in support of a citizen science urban heat mapping project across the City of Columbia in the summer of 2022. The funds were received last summer and are available for City use as a consultant was not able to deliver the project.

Discussion

The Columbia City Council unanimously adopted the Climate Action and Adaptation Plan (CAAP) in June 2019. Implementing the CAAP requires identifying funding, involving staff and community members and sustaining momentum. The health impact of increased summer temperatures is one of the City of Columbia's primary vulnerabilities to climate change.

To further CAAP implementation, the Office of Sustainability (OS) has secured a position in the 2022 Urban Heat Island mapping campaign through Climate Adaptation and Analytics (CAPA) Strategies. With technical support from CAPA Strategies, community partners and volunteers, the OS will coordinate a one-day heat mapping campaign to collect hundreds of thousands of data points. This information, in conjunction with geospatial and land cover data will support CAPA Strategies' work to develop a heat distribution map of Columbia.

The two attachments represent the original agreement and letter of notification.

Implementing CAAP actions equitably is central to the success of the plan. Cities that participated in previous years' campaigns have identified racial and socioeconomic disparities in heat distribution across their city. Information about the patterns of heat distribution across the City of Columbia will be used to support the equitable prioritization of resources, development of green infrastructure projects, and land use planning.

In addition to informing city operations this heat mapping campaign provides an opportunity to engage Columbia community members in collecting data within their own neighborhoods alongside City staff.

These funds will be used to support volunteer recruitment, heat campaign day implementation, technical expertise/data analysis from CAPA Strategies, and future remediation activities.



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Fiscal Impact

Short-Term Impact: \$19,111.66

Long-Term Impact: none

Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

Primary Impact: Inclusive Community, Secondary Impact: Reliable Infrastructure, Tertiary Impact: Tertiary

Comprehensive Plan Impacts:

Primary Impact: Livable & Sustainable Communities, Secondary Impact: Land Use & Growth Management, Tertiary Impact: Environmental Management

Legislative History

Date	Action
06/17/2019	Policy Resolution 89-19 Adopting the Climate Action & Adaptation Plan

Suggested Council Action

Appropriate \$19,111.66 in awarded funds for heat mapping project.