



Metropolitan Nashville and Davidson County, TN

Legislation Text

File #: RS2022-1519, **Version:** 1

A resolution accepting a memorandum of understanding between CAPA Strategies, LLC in conjunction with The National Oceanic and Atmospheric Administration (NOAA) and the Metropolitan Government, acting by and through the Mayor's Office, to participate in a technical assistance opportunity to receive Urban Heat Island Mapping for an area of 100 square miles within the city of Nashville identifying those areas that suffer from more intense heat due to the built environment.

WHEREAS, CAPA Strategies, LLC, in conjunction with NOAA, desire to enter into a memorandum of understanding with an estimated value of \$12,000.00 with the Metropolitan Government, acting by and through the Mayor's Office, to participate in a technical assistance opportunity to receive Urban Heat Island Mapping for an area of 100 square miles within the city of Nashville identifying those areas that suffer from more intense heat due to the built environment, a copy of which is attached hereto; and,

WHEREAS, it is to the benefit of the citizens of The Metropolitan Government of Nashville and Davidson County that the memorandum of understanding be accepted.

NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE METROPOLITAN GOVERNMENT OF NASHVILLE AND DAVIDSON COUNTY:

Section 1. That the memorandum of understanding by and between CAPA Strategies, LLC in conjunction with The National Oceanic and Atmospheric Administration (NOAA) and the Metropolitan Government, acting by and through the Mayor's Office, to participate in a technical assistance opportunity to receive Urban Heat Island Mapping for an area of 100 square miles within the city of Nashville identifying those areas that suffer from more intense heat due to the built environment, a copy of which is attached hereto and incorporated herein, is hereby approved, and the Metropolitan Mayor is authorized to execute the same.

Section 2. That this resolution shall take effect from and after its adoption, the welfare of The Metropolitan Government of Nashville and Davidson County requiring it.

Analysis

This resolution approves a memorandum of understanding (MOU) between CAPA Strategies, LLC ("CAPA") in conjunction with the National Oceanic and Atmospheric Administration ("NOAA") and the Metropolitan Government, acting through the Mayor's Office.

This MOU governs a 2022 Urban Heat Island Mapping Campaign ("the Campaign") to conduct a scientific field mapping study within a total of 100 square miles within Nashville. CAPA will conduct the study and issue a final report of the impact of air temperatures within neighborhoods, identifying those areas that suffer from more intense heat due to the built environment. The total cost of the project is \$12,000, of which NOAA is contributing \$12,000. The Metropolitan Government would be liable for the cost of replacement or repair of any lost, stolen, or damaged rental equipment during the project.

CAPA will assist the preparing the Campaign, including training of volunteers and participants, providing program materials, process timelines, and tracking resources. CAPA will also hold virtual team meetings with

Metro to prepare for and complete the Campaign. CAPA will ship all necessary field equipment to Metro. Eight to twelve weeks after the receipt of the equipment, CAPA will process the data, including running computer scripts and models of ambient temperatures. CAPA will develop and share heat maps and methods in a summary report and conduct follow-up meetings with organizers and collaborators to discuss the results of the Campaign and explore the next steps.

This MOU will be in place from the date of execution through December 31, 2022.

Fiscal Note: There is no cost to Metro for the performance of this agreement. The total cost of the Urban Heat Island Mapping Campaign is \$12,000 and National Oceanic and Atmospheric Administration (NOAA) is funding the entire amount.