



# MEMORANDUM

Council Agenda  
Item No.IX. Y  
7/30/2024

## The City of OKLAHOMA CITY

TO: Mayor and City Council

FROM: Craig Freeman, City Manager

Memorandum of Understanding with the University of Oklahoma for Office of Sustainability staff participation in a research grant proposal titled: "PollenSense: Spatial Decision-Making System for City-Level Management of Airborne Allergy and Asthma Triggers in Oklahoma," revenue of \$5,000 annually, July 30, 2024 through June 30, 2027.

### **Background:**

This agreement will guide the collaboration of the City's Office of Sustainability (OS) and the University of Oklahoma (OU) staff to plan, organize, provide data collection tools and analytics, and prepare a final report from an innovative air quality forecasting system being developed through the A43 Air Quality and Health solicitation offered by the National Aeronautics and Space Administration's (NASA) Earth Science Division

The final report will be a geographically specific, scientific analysis of the impact of air pollutants and allergens within Oklahoma City neighborhoods, identifying those areas that are more affected by airborne allergy and asthma triggers, due to environmental factors that arise from both human activities and natural sources. The research findings may help The City improve air quality and reduce pollen levels via monitoring and forecasting, as well as land use planning.

The health repercussions of such airborne allergy and asthma triggers can lead to respiratory issues, cardiovascular problems, and other adverse health effects among residents.

The City and OU previously collaborated on the 2023 urban heat island campaign.

### **Term:**

July 30, 2024 through June 30, 2027

### **Revenue:**

\$5,000 annually for an estimated total revenue of \$15,000 to be deposited in State and Local Grants – Office of Sustainability – Project – Misc Revenue – Grant Receipts (1923-2400112-G96022-G9998-44200015)

### **Review:**

Planning Department

**Recommendation:** Memorandum of Understanding be approved.