



# Multimodal Drone Delivery Project

April Public Meeting

April 9, 2024

North Central Texas Council of Governments

# Project Background

## Grant Award

Department of Energy Vehicle Technologies Office Program-Wide Funding Opportunity

- Open topic for project demonstration and deployment
- \$708,182 awarded to City of Arlington

## Activities

- Pilot program testing and documenting the efficiency and scalability of using drones to serve food to residents in need
- Public education and outreach on the implementation autonomous vehicles and aerial drones
- Reduce greenhouse gas emissions by using autonomous, electric vehicles

## Partners



Multimodal Drone Delivery

# Equipment

## Aerial Drones

- Aerialoop ALT6-4
- Speed of up to 22m/s
- Range of up to 40km
- 4 kilograms or 38 liters of payload

## Ground Drones

- Clevon CargoBox
- Speed of up to 15 mph
- Payload of up to 330 lbs



# NCTCOG Project Activities

- Produce a cost model for the project and compare to actual costs
- Hold meetings with stakeholder groups to gain industry feedback
- Assist with two live demonstrations
- Support hosting a community workshop
- Create a replication guide and outline work necessary to scale the project
- Produce outreach materials to assist with communicating project results
- Assist with development of an ESRI Story Map Report
- Create a fleet electrification analysis for community partners

# Community Workshop

Live demonstration and equipment expo

Wednesday, May 8, 2024

5:30 PM - 7:00 PM

Bob Duncan Center and Vandergriff Park

## MULTIMODAL DELIVERY SHOWCASE



The public is invited to join the City of Arlington and project partners for live demonstrations and to learn more about an exciting new project to test the delivery of essential food items to Arlington residents via autonomous vehicles and uncrewed aircraft systems.

May 8, 2024  
5:30 - 7:00 PM

Bob Duncan Center/Vandergriff Park  
2800 S. Center St.  
Arlington, TX 76014



Multimodal Drone Delivery

# Contact Us



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**UAS**  
Unmanned Aircraft Systems  
Safety + Integration

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