



### Multimodal Drone Delivery Project

April Public Meeting

April 9, 2024

North Central Texas Council of Governments

ransdev

# **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





timodal Drone Deliverv







# 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



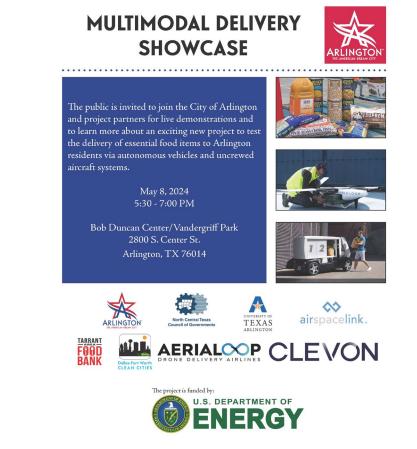
## **Community Workshop**

Live demonstration and equipment expo

Wednesday, May 8, 2024

5:30 PM - 7:00 PM

Bob Duncan Center and Vandergriff Park









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