

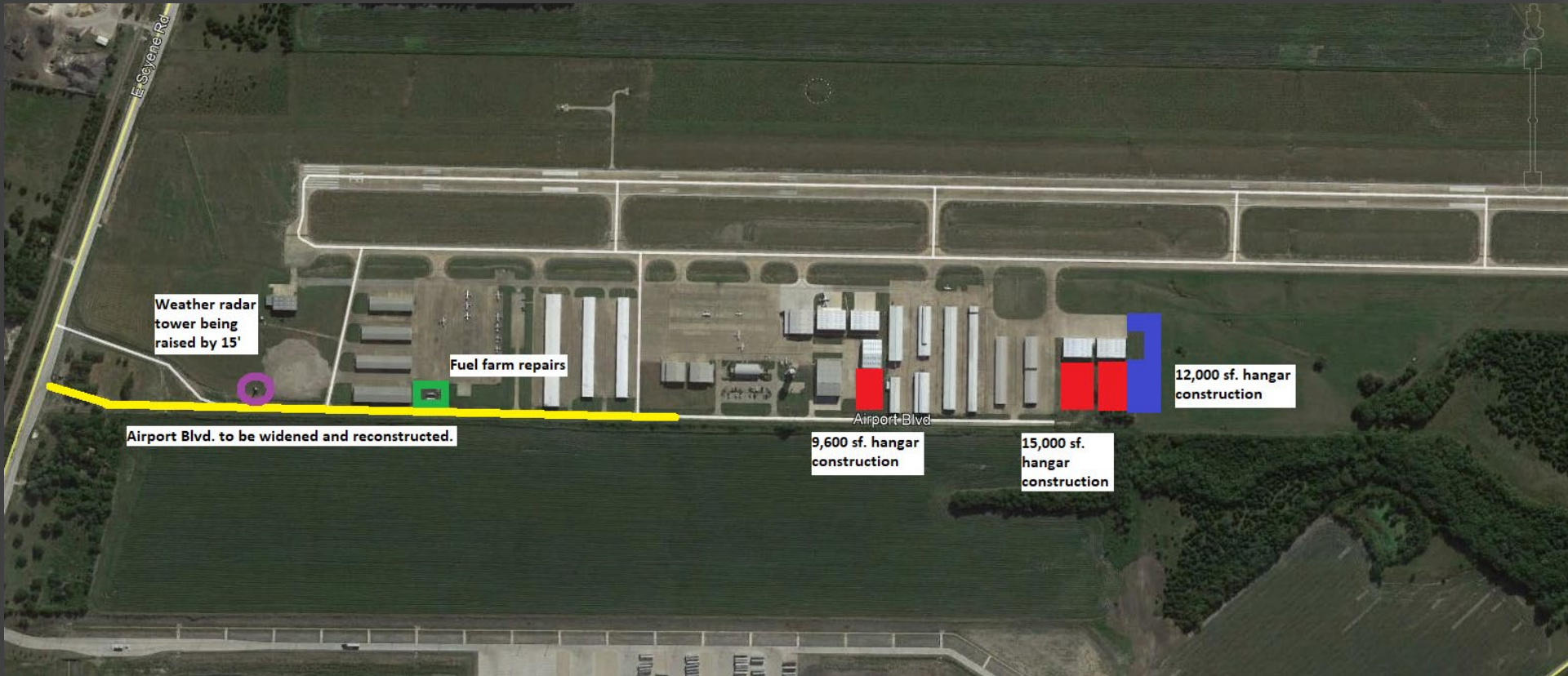
Investing in the future of the Mesquite Metro Airport



Presented by:

Eric Pratt C.M., Airport Manager

2021 Projects



Weather Radar

- Needed for development on adjoining land
- Investment of \$115,000
- Estimated completion in summer of 2021



Airport Blvd. Reconstruction



- Needed for development on adjoining land
- Investment of \$1,000,000
- Estimated completion in fall 2021

Fuel Farm Upgrades



- Correcting issues and expanding the fuel farm's Jet A capacity
- Investment of \$200,000
- Estimated completion in summer 2021

Hangar Development



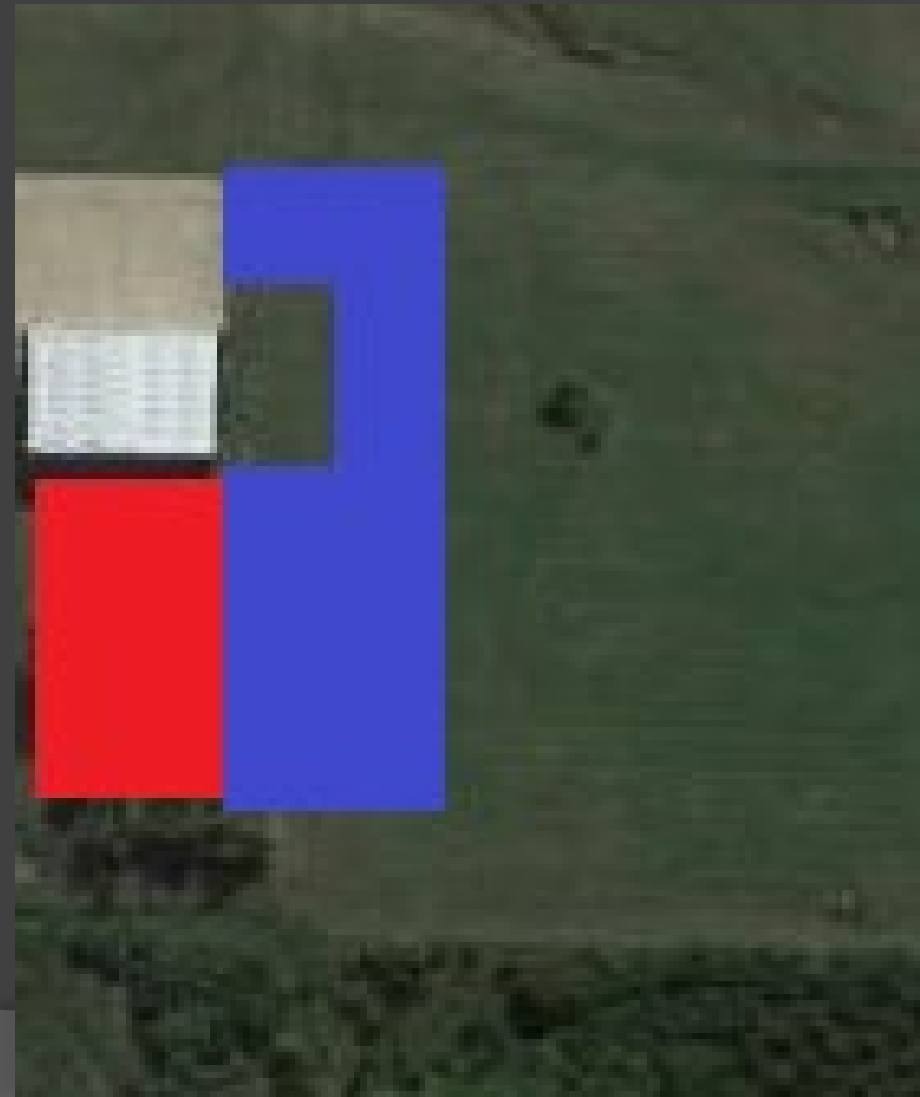
- Needed for business expansion
- Investment of \$500,000
- Estimated completion in fall 2021

Hangar Development



- Needed for business expansion
- Investment of \$1,700,000
- Estimated completion in winter 2021

Hangar Development



- Private individual purchasing multiple aircraft
- Investment of \$1,800,000
- Estimated completion in winter 2021

Total Investment

- Investment by Private Sector: \$3,415,000
- Investment by the City of Mesquite: \$1,900,000
- **Total Investment:** **\$5,315,000**

Questions

NCTCOG Aircraft Hangar Fire Code Update

IFC Building codes section 903.2.11.9

Buildings Over 6,000 Sq. Ft.

An automatic sprinkler system shall be installed throughout all buildings with a building area 6,000 sq. ft. or greater and in all existing buildings that are enlarged to be 6,000 sq. ft. or greater. For the purpose of this provision, fire walls shall not define separate buildings.

- Current Exception: Open parking garages in compliance with Section 406.5 of the International Building Code
- *Aviation-Related Exception: Aircraft Hangars under 12,000 sq. Ft. (draft text)*

Next Steps

Fire Code Amendment Team

- Pat Stewart
 - Sharlette Wright
 - Darryl Phillips
-
- ATAC Letter of Support
 - Exemption or Amendment examples from region cities

Air Transportation Advisory Committee

March 4, 2021



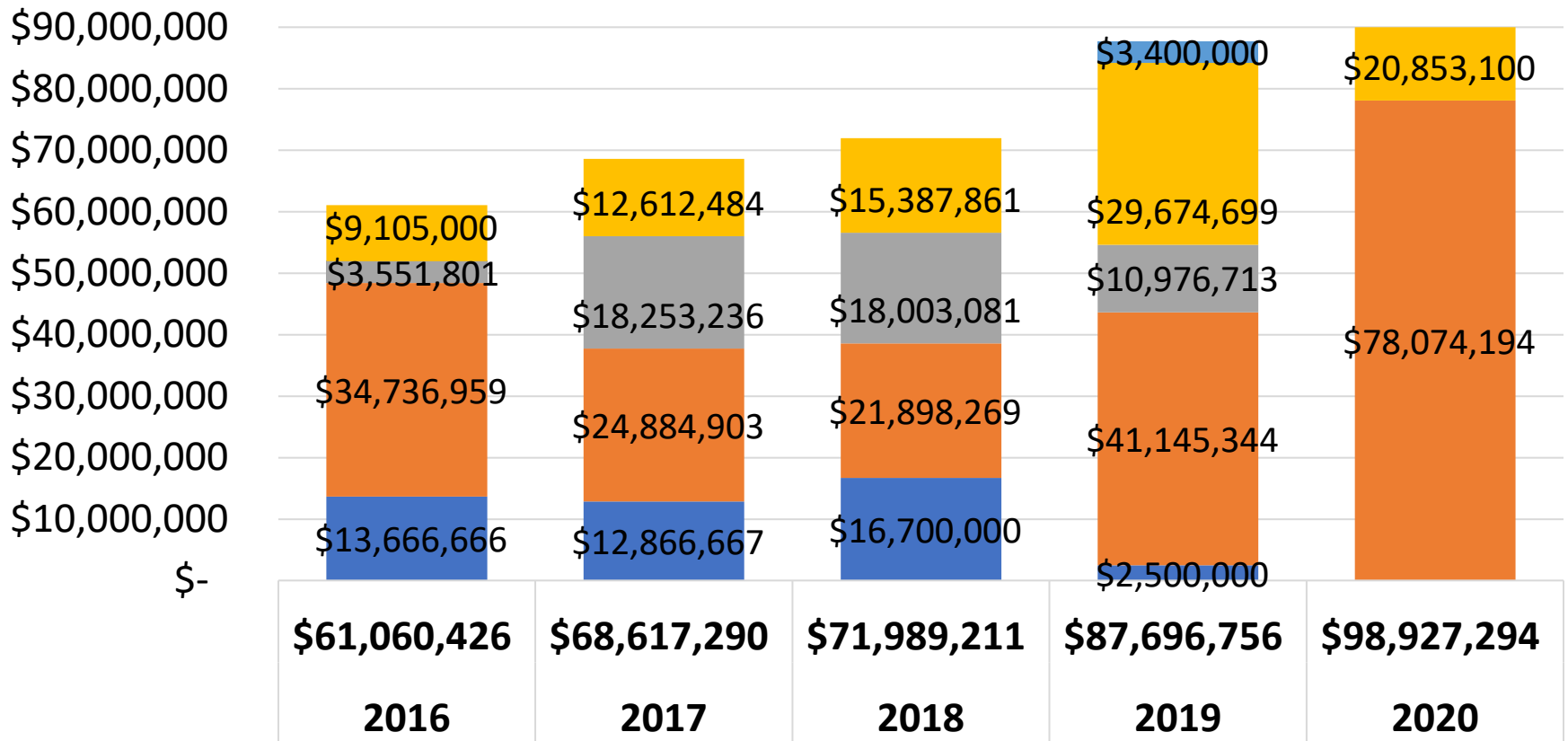
NCTCOG Aviation Planning
Program Area Update

Regional Airport Funding

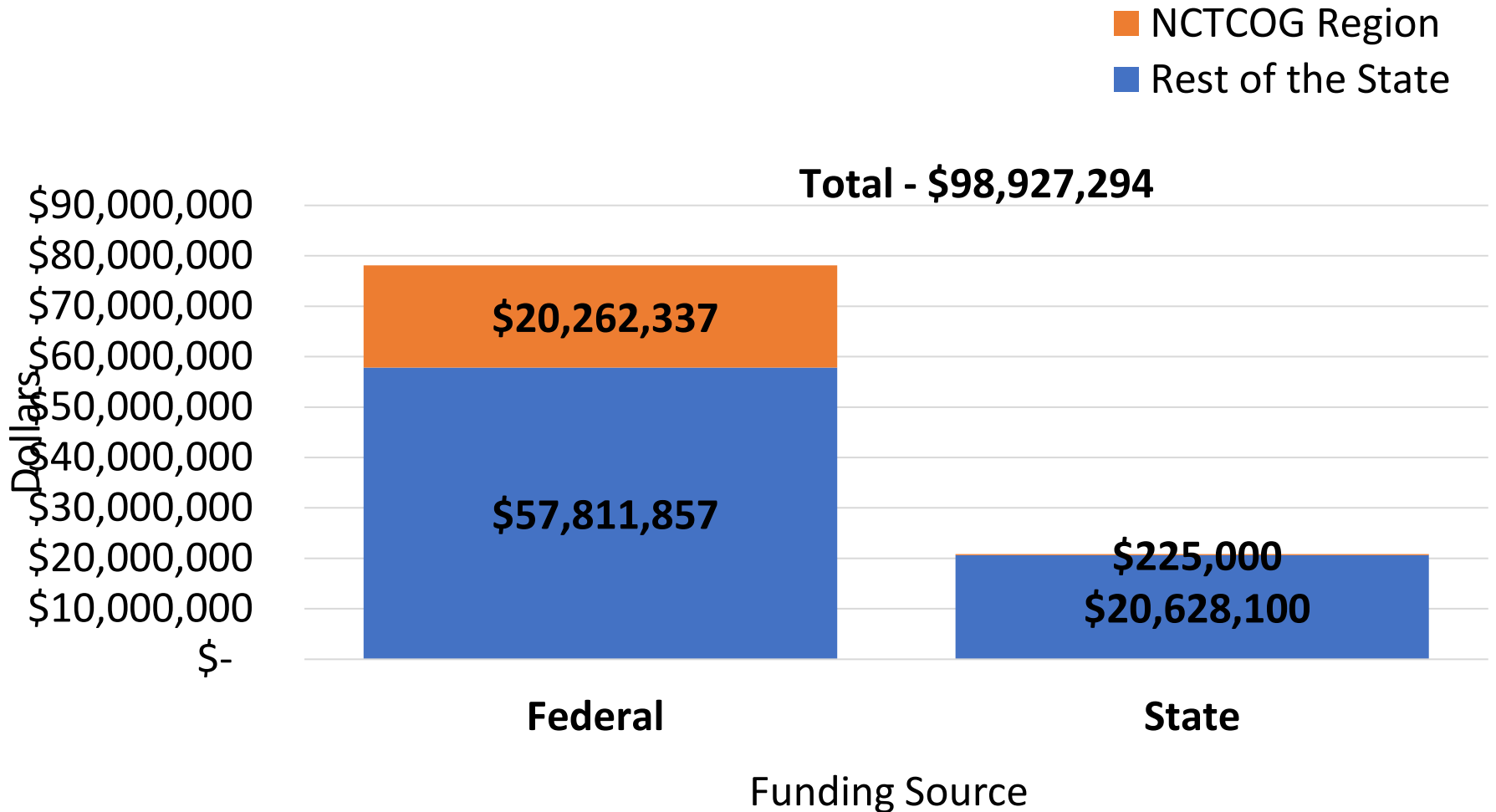


Texas Annual Funding Comparison

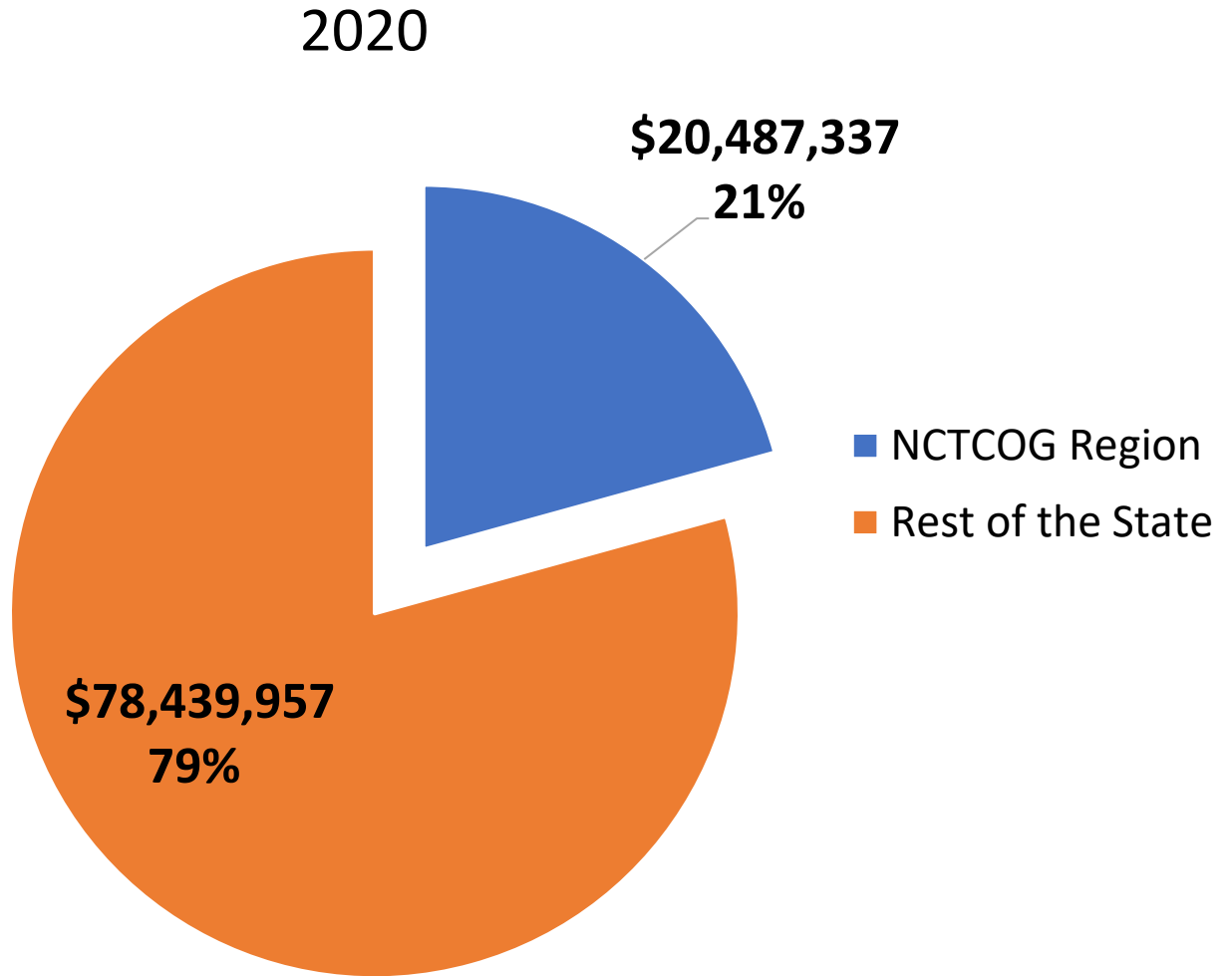
■ Discretionary ■ Federal ■ NPE ■ State ■ Omnibus



2020 Grants by Funding Source

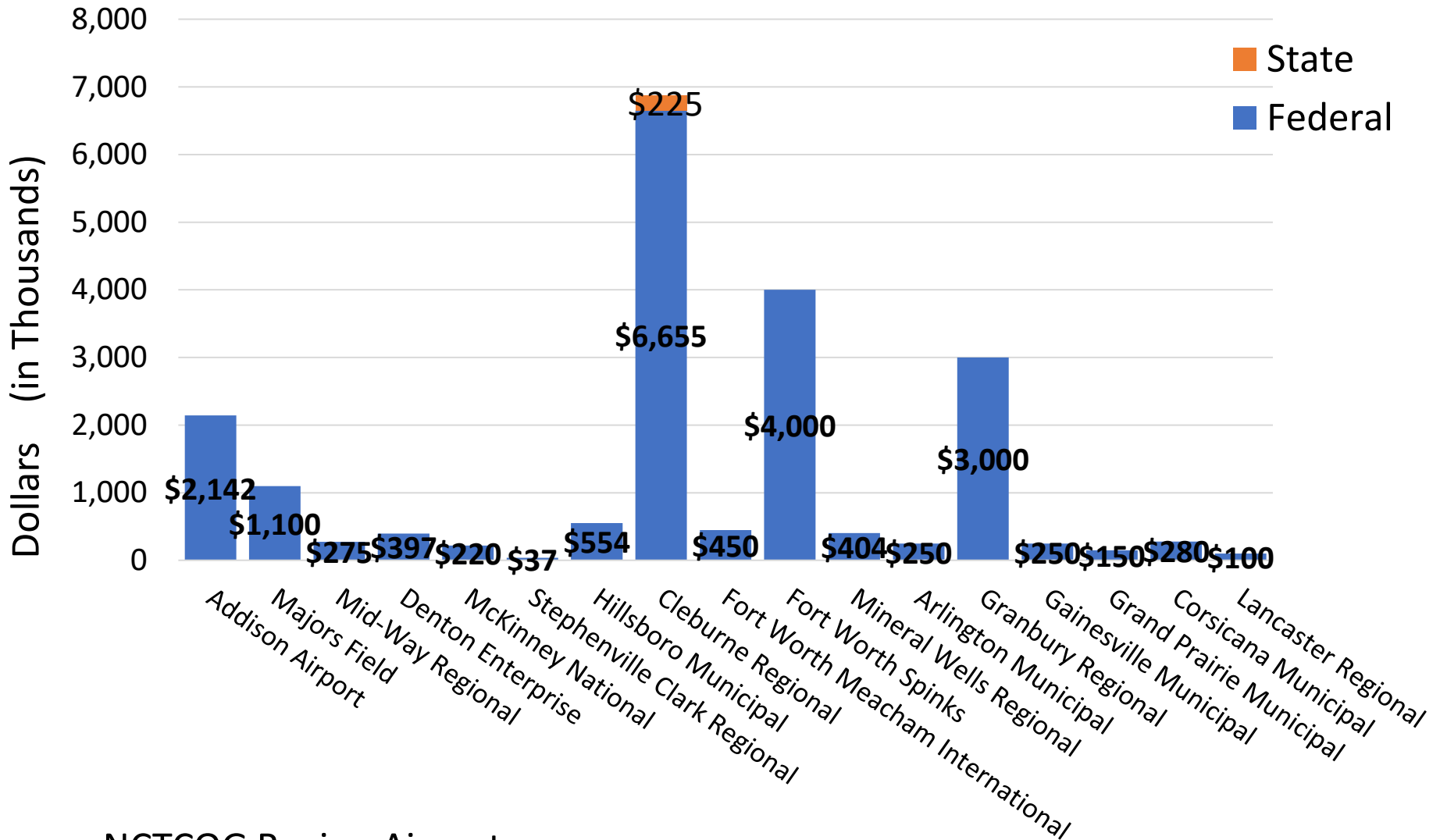


NCTCOG Region vs. Non-Regional Funding



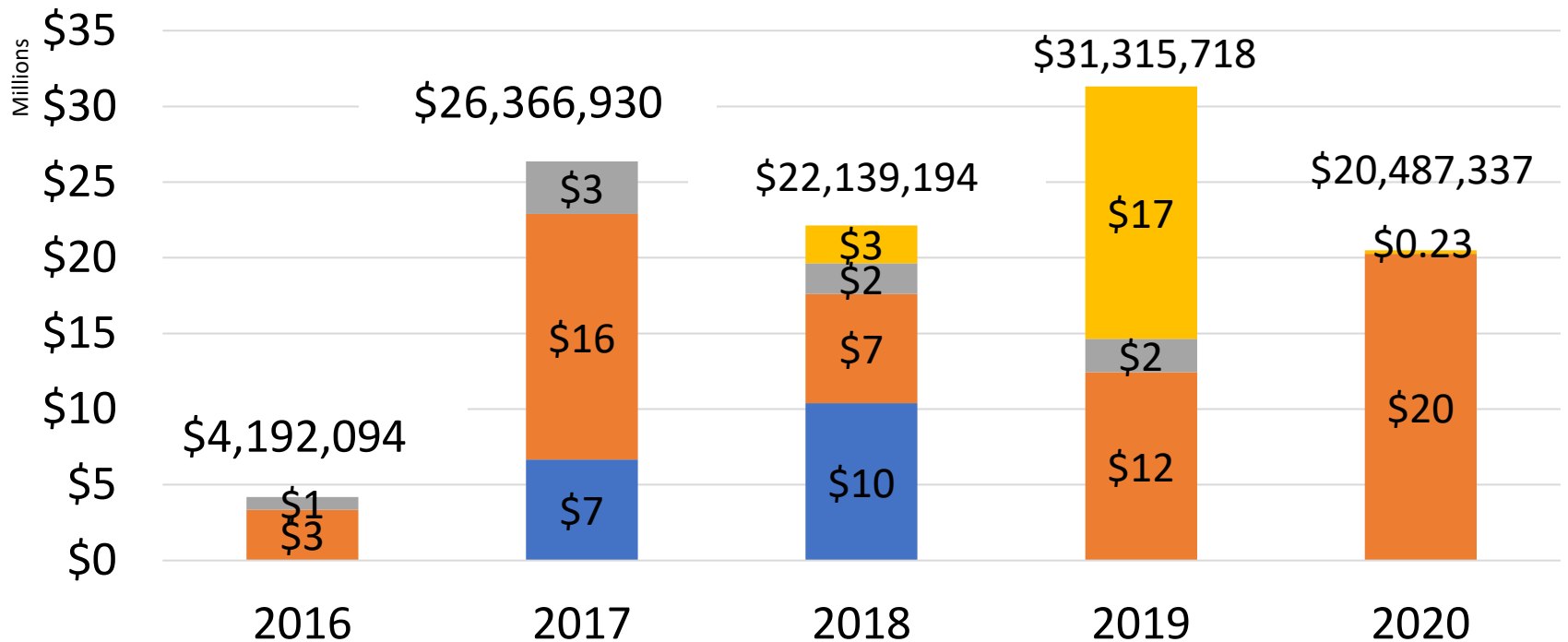
2017-38%
2018-31%
2019-36%
2020-21%

NCTCOG Regional Airport Grant Amount



DFW Region Annual Funding Comparison

■ - Discretionary ■ - Federal ■ - NPE ■ - State



Planning Updates

Regional Aviation System Plan

Collaborating with TxDOT Aviation and Texas A&M



North Texas UAS Safety and Integration Task Force Update



Regional Transportation Council Resolution

A Resolution Supporting the Safe and Efficient Integration of Unmanned Aircraft Systems into the Dallas-Fort Worth Metropolitan Area's Existing Transportation Ecosystem

Resolution

Section 1. The RTC supports a continuous, comprehensive, and cooperative transportation planning process to integrate land-based and aerial-based transportation systems in a safe and cost-effective fashion to maximize economies of scale and improve mobility.

Section 2. The RTC supports safe and responsible Unmanned Aircraft Systems (UAS) activity within the region including, but not limited to, medical supplies and package delivery, air taxi, public safety use, accident reconstruction, surveying, and other activities as identified in the future.

Section 3. The RTC encourages agencies to support their public safety services use of UAS.

Section 4. The RTC encourages agencies to work with the UAS industry to adopt “pilot” programs to demonstrate the technologies properly operated in and around a metropolitan area.

Section 5. The RTC encourages educational institutions in North Texas to provide UAS-oriented educational offerings to help prepare the transportation workforce of the future.

Resolution (cont'd.)

Section 6. The RTC supports the development of UAS aircraft pilot certification standards and efforts to position North Texas as a center for UAS aircraft pilot training.

Section 7. The RTC encourages agencies to participate in the North Texas UAS Safety and Integration Task Force “Community Integration Working Group.” This working group provides a forum that will allow cities to share their current use cases and policies, and also learn about other UAS use cases that can be employed by cities.

Community Integration Working Group

- Characterize community concerns
- Inventory available applications for city use
- Inventory funding mechanism for city use
- Inventory training available to cities
- Identify how small UAS and UAS operations can supplement existing transportation methods
- Identify how UAS can replace existing transportation methods in emergency situations

UAS SAFETY AND INTEGRATION INITIATIVE



North Central
Texas UAS Task
Force



Safety



Integration



Education

- Know Before You Fly Workshops
- Airport/Military Facility Risks



Legislation

- Regional Ordinance
- Statewide Legislation
- National Legislation
- Notice for Proposed Rule Making
- Permitting



Training

- Training Standards
- PSURT/Enforcement
- Promote UAS Training



Testing
Locations

- Metropolitan Corridors
- Package Delivery
- Air Taxi
- Regional UAM Charter



Public Awareness

- UAS Applications
- UAS Careers
- Public Outreach Strategy
- Bring Your Drone to the Park Day

PRE-EXISTING COMMITTEES

Regional Coordination
Committee

Regional Transportation Committee
Surface Transportation Technical Committee
Air Transportation Advisory Committee
Regional Freight Committee

PSURT Committee and Team
Workforce Development
North Texas Commission

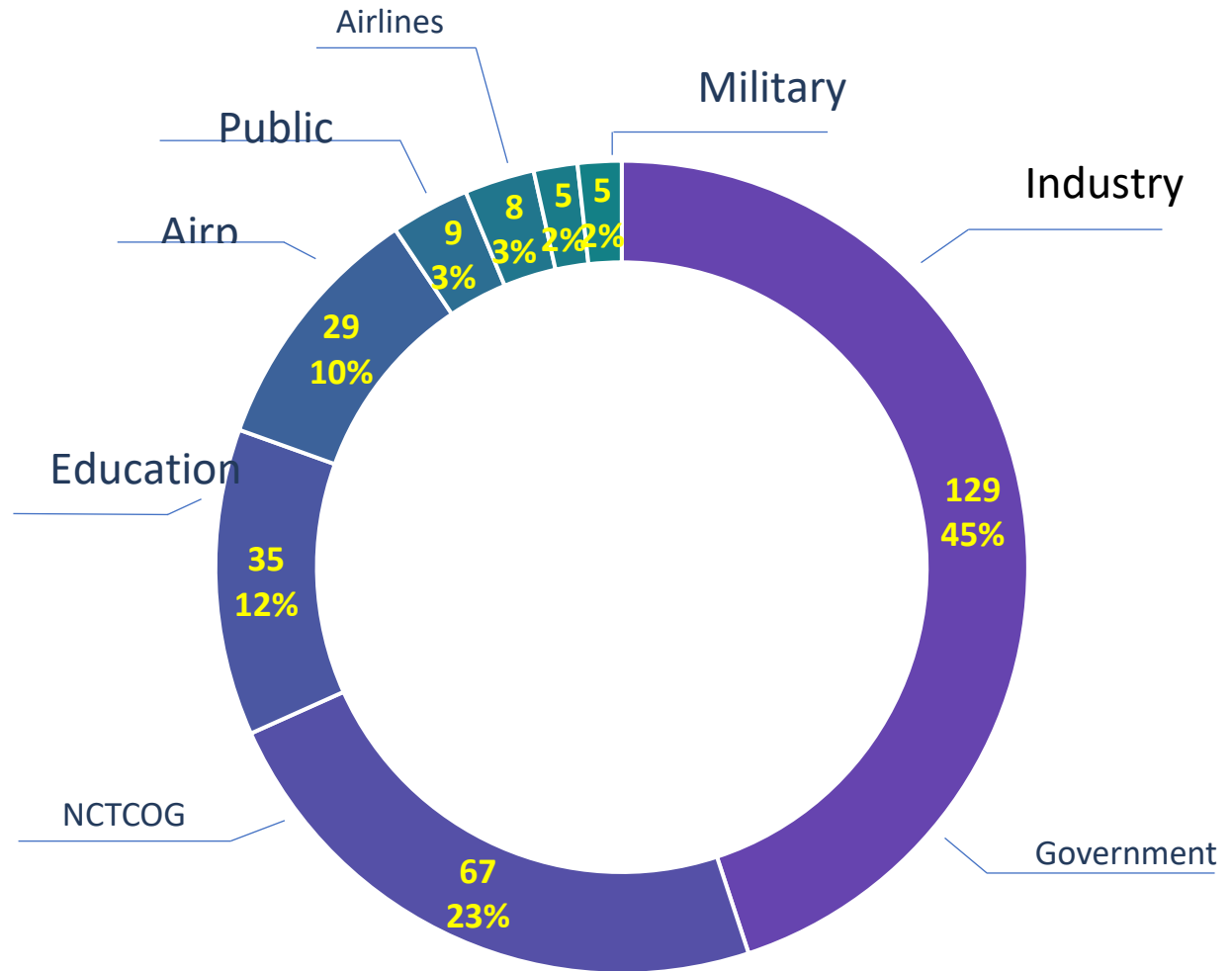
Lone Star UAS Center of Excellence
Mineral Wells Innovation Zone
Alliance Mobility Innovation Zone
Cumulus Technologies

AUVSI Lone Star Chapter
NCTX Aerial Robotics
Initiative
Arlington UAS Pilot Program

UAS Task Force Member Representation

287 Members/150+ Organizations

- Airports
- Cities, Counties, TxDOT and FAA
- Military
- Public Safety
- UAS Industry Representatives (Training, manufacturers, etc.)
- Universities
- NCTCOG Staff (Transportation, 911, and Emergency Preparedness)



Notable Accomplishments

- 150+ organizations collaborating
- The Regional Transportation Council's UAS Integration Resolution
- Know Before You Fly "Your Drone" Workshops
- Public Safety UAS Response Team
- Mineral Wells, TX establishment of the 8th UAS testing site
- Establishment of the Alliance Mobility Innovation Zone
- First registered UAS Apprenticeship Program
- Partnership with NASA as a UAS Weather Detection Test Bed
- Establishment of the Arlington UAS Pilot Program

Education and Public Awareness



Working Group Goals

- Reduce the number of reckless drone flights
- Improve the education of the general community
- Educate the regional police on relevant UAS information
- Educate the communities around airports, military bases, combat infrastructure for safe operations
- Promote the FAA Know Before You Fly Campaign

Education and Public Awareness



Prioritized initiatives

- Create a public awareness campaign on drone safety
- Serve as an Information-Gathering & Fact-Finding Resource for the region this Topic
- Determine the community's concerns with the technology
- Educate cities on value of drone tech
- Educate the regional police on relevant UAS information
- Improve the public's perception of drone tech
- Acquire funding

Legislative



Working Group Goals

- Develop Texas state laws that create a safe and viable environment for automated drone usage
- Support Federal regulations and rules that create a safe and viable environment for automated drone usage
- Support Safety related UAS Legislation
- Create and/or comment on UAS related Legislation at Federal, State and Local levels
- Support legislation that Mirrors Federal laws
- Strategize on legislative approach

Legislative



Prioritized initiatives

- Serve as an Information-Gathering & Fact-Finding Resource for the region this Topic
- Ensure that the region has legislation and policy that provides safe and efficient UAS integration while also remaining economically viable
- Educate municipalities, local and state legislature on drone tech and its importance
- Research, Evaluate & Analyze Federal/State/Local legislation/policy on Regulating and Enforcing the Operations of Unmanned Aircraft Systems
- Make Regulatory and Policy Recommendations to the Regional Transportation Advisory Committee and Texas Legislature

Training



Working Group Goals

- Standardized training for schools, governments, public safety and professional
- Create Internships/Externships
- Support the development and creation of a UAS apprenticeship program
- Support UAS related school competitions
- Standardized public safety training and certifications
- Workforce development (inclusive of all verticals)

Training



Prioritized Initiatives

- Serve as an Information-Gathering & Fact-Finding Resource for the region on this topic
- Provide ISD's recommendations on standard UAS curriculum
- Support all UAS related university research projects
- Support the Public Safety Unmanned Response Committee
- Inventory available funding mechanisms for UAS related training
- Support UAS industry workforce development initiatives
- Acquire funding
- Provide recommendations on a standardized internship/externship program

Integration



Working Group Goals

- Assist in the establishment of a package delivery business
- Assist in the development of Air Taxi
- Attract the NASA Grand Design Challenge phases to the region
- Assist in the creation of the Training and Test areas
- Assist in the development of weather and UAS detection network

Integration



Prioritized Initiatives

- Serve as an Information-Gathering & Fact-Finding Resource for the region this Topic
- Make recommendations on infrastructure needs for municipalities to support urban air mobility
- Make recommendations on how to integrate UAS activity into the existing surface transportation system
- Promote the development of a UAS weather detection system in the region
- Make recommendations on Drone Detection and Cybersecurity solutions for the region
- Support, Develop and Inventory UAS testing sites in region (Promotion)
- Make recommendations to municipalities on UAS related pilot programs
- Acquire funding

How You Can Help

1. If you represent a municipality that is interested in hosting testing, please let me know.
2. If interested in joining the Community Integration Working Group, please let me know.
3. Join Task Force!

Contacts

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