

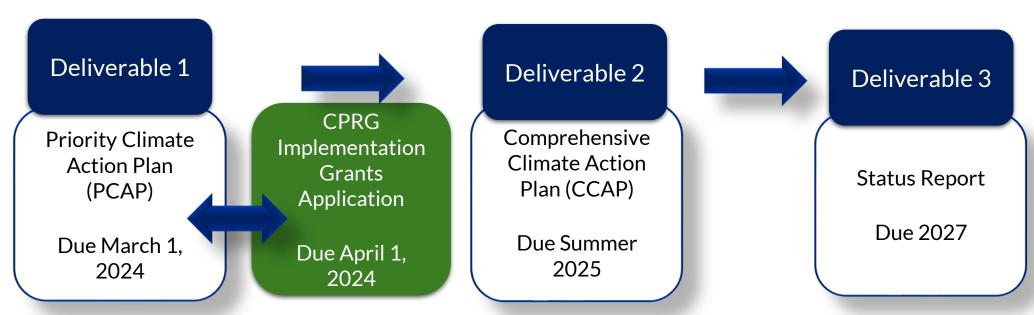
Background on Planning Grant

Funding:

\$1 million in Environmental Protection Agency (EPA) Funds From Climate Pollution Reduction Grant (CPRG) Planning Grant Program

Scope:

Develop and implement plans to reduce greenhouse gases (GHGs) and other pollutants of local concern



CPRG deliverables will be incorporated into the Dallas-Fort Worth (DFW) Air Quality Improvement Plan (AQIP)



Other CPRG Planning Grant Recipients

Texas MSA Leads

- City of Austin Office of Sustainability
- City of El Paso
- City of McAllen
- City of San Antonio's Office of Sustainability
- Houston-Galveston Council of Governments
- North Central Texas Council of Governments

Texas Lead

 Texas Commission on Environmental Quality (TCEQ)



www.tceq.texas.gov/agency/climate-pollution-reduction-grants

- Participating States
 - Participating MSAs



Priority Climate Action Plan

"A narrative report focused on near-term high-priority, implementation-ready measures to reduce GHG pollution and an analysis of GHG emissions reductions that would be achieved through implementation." - <u>CPRG Planning Grants Guidance</u>

Task	Description	Completion Date
Greenhouse Gas (GHG) Emissions Inventory	Calculate the GHGs produced in the 16 counties in North Texas	January 2024
Quantified GHG Reduction Measures	Identify and quantify short-term projects, programs, and policies to reduce GHG emissions (targeting emissions benefits in 2025-2030)	January 2024
Low- Income/Disadvantaged Communities Benefits Analysis	Calculate the potential benefits to disadvantaged communities (DAC) through the deployment of GHG reduction measures Benefits can include lower energy costs, economic benefits, and a reduction in criteria pollutants	February 2024
Review of Authority to Implement	Review GHG reduction measures to ensure they can be implemented NCTCOG anticipates measures will be voluntary/incentive	February 2024
Funding Analysis	Identify funding to implement the GHG reduction measures	February 2024



Air Pollution in Priority Climate Action Plan

Local Air Pollution

The Clean Air Act requires Environmental Protection Agency (EPA) to set National Ambient Air Quality Standards (NAAQS) for six criteria pollutants which are harmful to human health:

Criteria Pollutant

Ozone

Lead

Carbon Monoxide

Nitrogen Oxides

Particulate Matter

Sulfur Dioxide

DFW Attainment Status











Partial nonattainment in Navarro County due to aggregate plant

Greenhouse Gases

Gases that trap heat in the atmosphere, resulting in the warming on the surface

Carbon Dioxide (CO₂)

Burning fossil fuels, solid waste, trees, and other biological materials, and as a byproduct in certain chemical reactions

Methane (CH₄)

Production and transport of coal, natural gas, and oil, the decay of organic waste and agricultural practices

Nitrous Oxide (N₂O)

Agricultural, land use, industrial activities, treatment of wastewater, combustion of fossil fuels

Fluorinated Gases

Synthetic gases emitted from household, commercial, and industrial applications and processes¹



Aviation Related Measures

Sector	Proposed Measure*
Transportation	 Green Airport Planning Program Retrofit Streetlights with LEDS Heavy- Duty Hydrogen Pilot Program Low Emission Non-Road Equipment Program Public Sector Fleet Transition Program Install Above Ground Fuel Tanks
Energy	 Enhance Building System Efficiencies Green Building Project LED Lighting Retrofits Commercial or Industrial Efficiency Audits Develop Resiliency Hubs
Water/Wastewater/Solid Waste Agriculture	 Expand Sustainable Waste Collection and Management Practices Acquire/Preserve High Priority Greenspace



Texas Commission on Environmental Quality Proposed PCAP Measures

Priority measures in Texas will focus on incentivized, **voluntary** measures that will reduce criteria pollutants, hazardous air pollutants, and greenhouse gases.

Draft measures* will focus on the three largest sectors:

- Industry electrification, switch to alternative fuels, promote energy efficiency, decarbonize cement, replace hydrofluorocarbons, reduce methane from oil and gas sector
- **Electric Power** upgrade transmission, promote nuclear, add energy storage, lower demand, add carbon capture, promote geothermal
- **Transportation** decarbonize ports, airports, and rail, add alternative fuel and electric vehicle infrastructure, zero emission vehicles**

^{**} Potential for overlap with NCTCOG's priority measures



^{*}Draft measures are not a complete list; they are preliminary and subject to change

CPRG Implementation Grants

Will Provide Funding to Implement Strategies Included in PCAPs Submitted under Planning Grants

Eligible applicants include Lead Agencies for CPRG Planning Grants, States, Municipalities, Tribes Any measures that improve air quality are likely eligible

Applications are due April 1, 2024

Competition Incentivizes Collaborative Applications

30-115 awards anticipated nationwide

Scoring based on cumulative benefits of proposed initiatives

Environmental Protection Agency (EPA) will not award multiple grants for the same initiative in the same area EPA anticipates no more than 2 awards to applicants at same level of government within a certain area

Tier	Grant Ranges	Funds Targeted for Each Tier	Anticipated Number of Grants to be Awarded
Tier A	\$200M - \$500M	\$2B	4-10
Tier B	\$100M - \$199M	\$1.3B	6-13
Tier C	\$50M - \$99M	\$.6B	6-12
Tier D	\$10M - \$49M	\$.3B	6-30
Tier E	\$2M - \$9.9M	\$.1B	10-50



DALLAS-FORT WORTH AIR QUALITY IMPROVEMENT PLAN

Funded through the Environmental Protection Agency's Climate Pollution Reduction Grants

For more information go to www.publicinput.com/dfwAQIP

NCTCOG is seeking feedback on what air quality improvement strategies the region should implement!

Go to the "Take a Survey" tab on the DFW AQIP webpage to provide feedback Feedback must be received by February 8, 2024, to be included in the Priority Climate Action Plan





For More Information

DFW AQIP Plan and Strategy Development

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Greenhouse Gas Inventory Development

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What is Alvéole?

Our goal is to build ecological awareness by helping people fall in love with bees, and in time, create more sustainable cities and food systems.







A green and tenant-focused amenity that provides:

- high engagement
 opportunities, and
- an ecological advantage in unused space



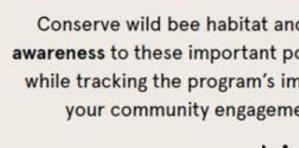
Active in Where our bees buzz! over 30 major cities across North America and Europe

Alveole services overview



Welcome local pollinators

Conserve wild bee habitat and bring awareness to these important pollinators, while tracking the program's impact on your community engagement.





Track your impact

Use scientific data collected by your own bees to measure your environmental impact, improve your property's landscaping, and contribute to global pollinator research.



Cultivate change

Create a green space on your property to better support biodiversity and the wellbeing of your tenants or employees, with a professionally installed and maintained rooftop garden.





Meet the bees

Engage with your community through a unique program where they can interact with a real beehive, take part in educational activities, and connect with nature in the city.

Goal #1

Take concrete action to help the planet

- Add value to your ESG strategy
- Receive concrete data on your initiative
- Promote on-site sustainability programming
- Meet your industry benchmarks (LEED, BOMA, Fitwel, B-Corp)
- SUPER local honey production!



Goal #2

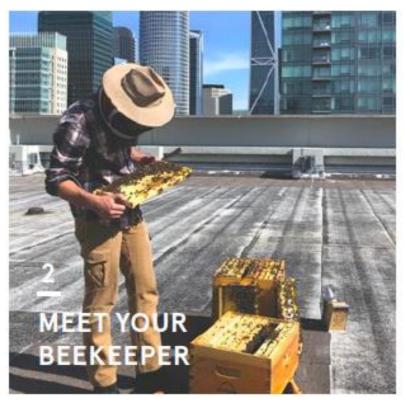
Increase employee engagement and retention through:

- hands-on workshops
- a stress-free and community-centered amenity
- an increased sense of wellbeing & belonging among the staff



Our workshops



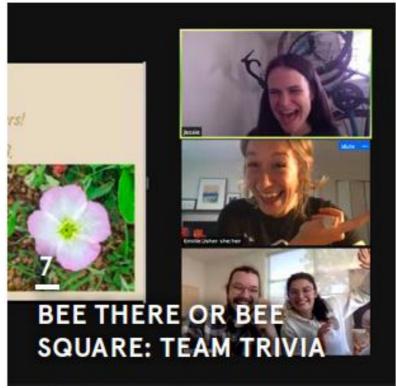






















Definitions & Concepts

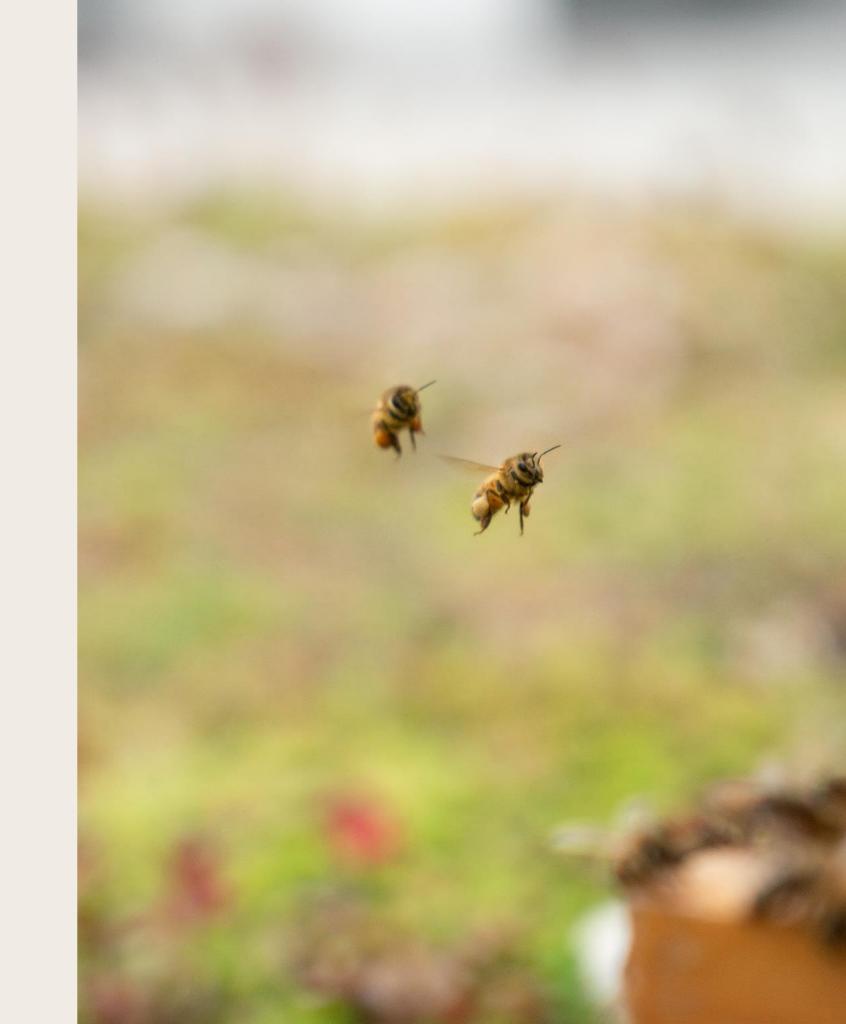
Honey bees

Honey bees (Apis mellifera) are an **introduced**, **managed** species in North America, originally native to Europe, Africa, and parts of Asia.

Unmanaged wild colonies of honey bees are rarely successful in northern parts of North America due to cold winter weather. If they are successful, wild honey bees are considered a "naturalized" species.

This means that, though they are not native, they have been present for a long time and are not harmful to human industry or health.

In fact, they are hugely beneficial to humans.

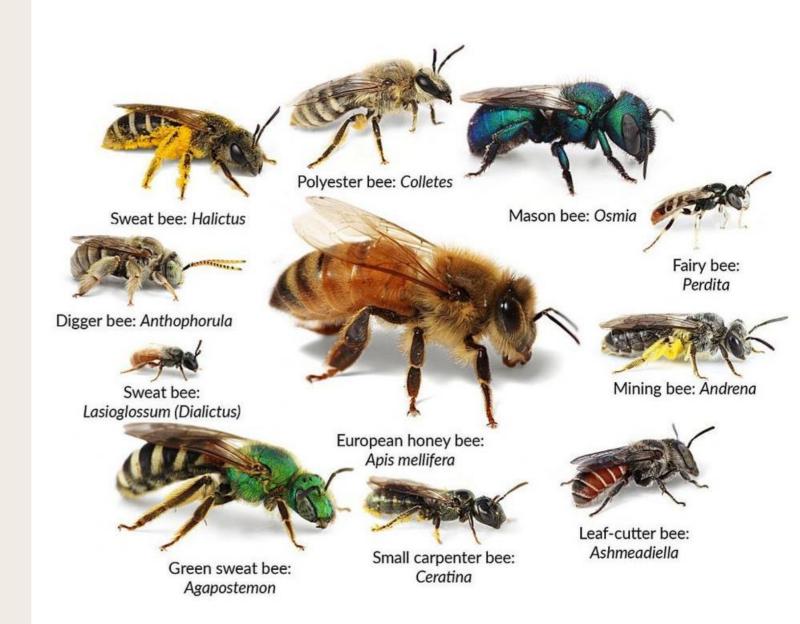


Definitions & Concepts

Bees

North America is home to over 4,000 of species of bees, both **native** (like bumble bees, leaf cutter bees and mason bees) and **non-native** (like wool carder bees and honey bees).

Most native bee species that live here are solitary, meaning they don't live in a large colony like honey bees or bumble bees - they live in the wild - and they don't produce honey.

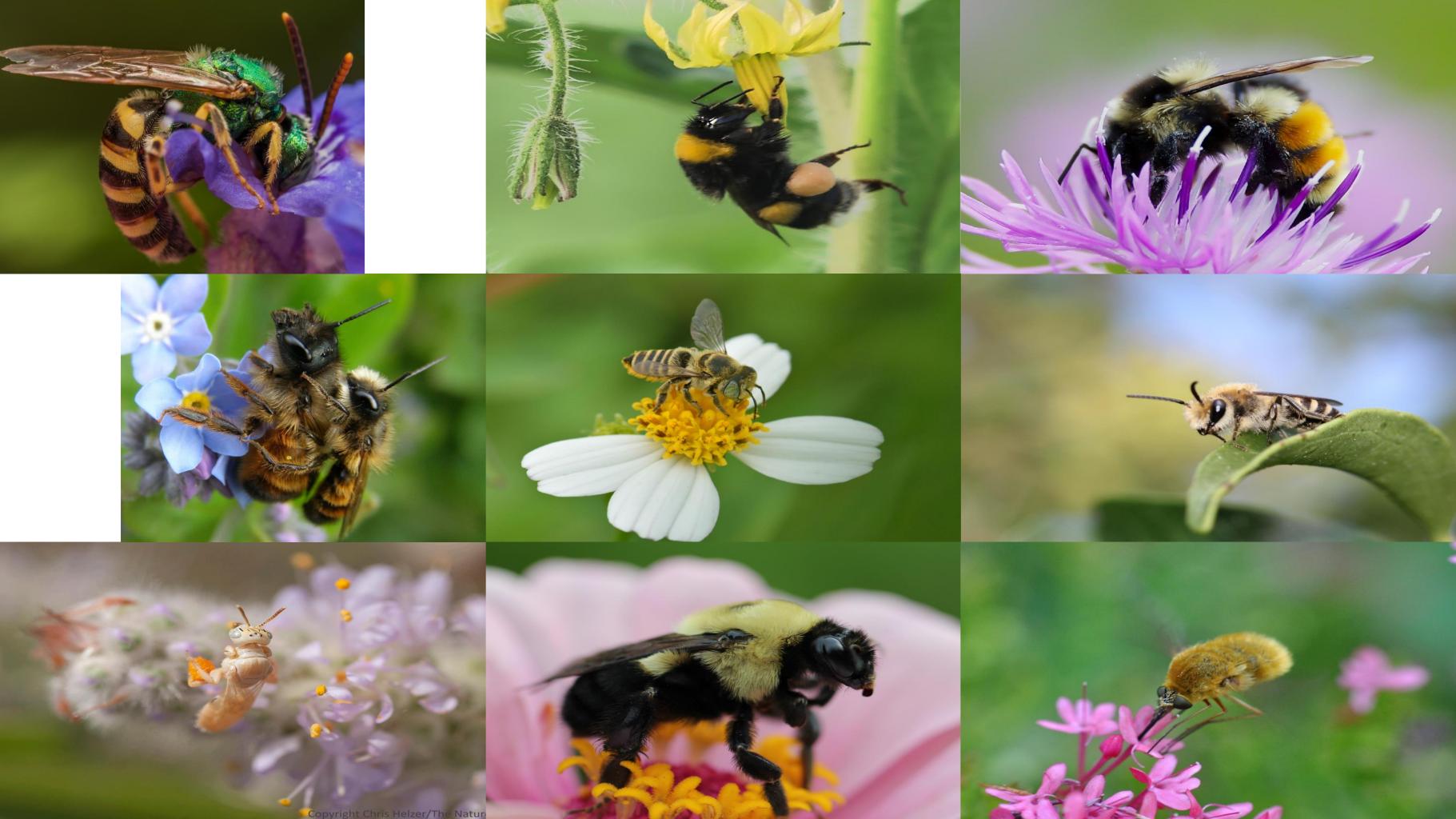




DISCOVER THE WORLD OF BEES





























"Saving the Bees"

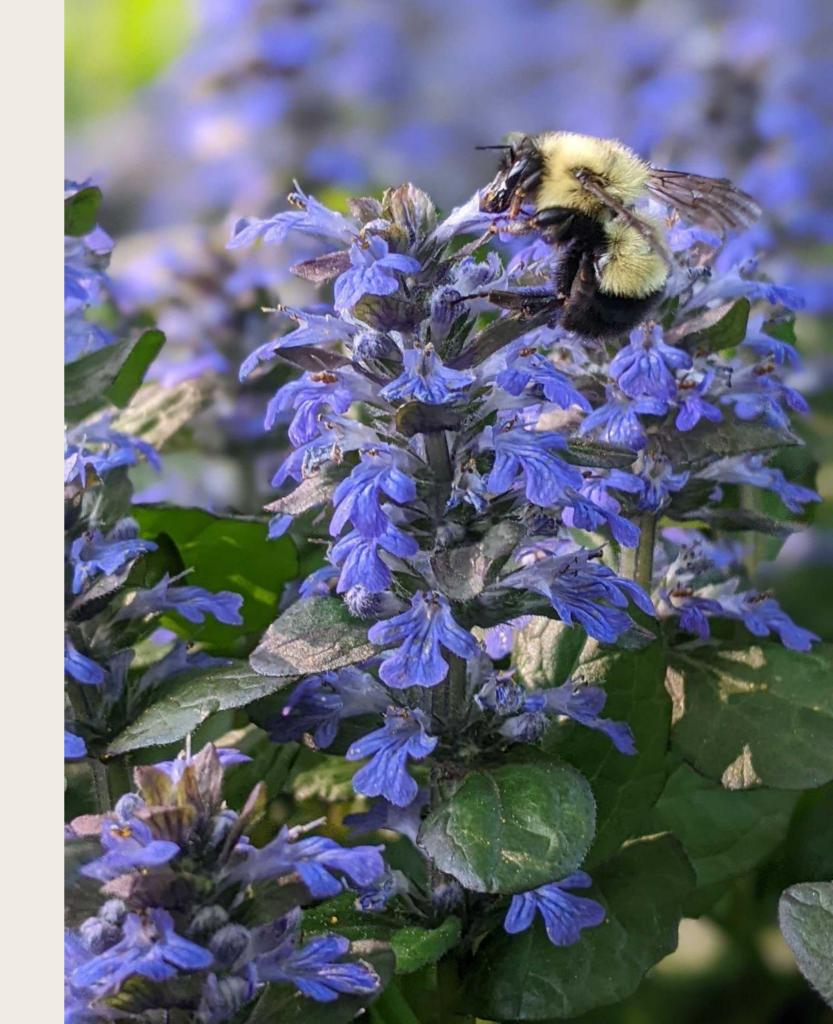
Why bees are threatened

Currently, insects and pollinator populations aren't doing well. Native bee **populations** and honey bee **health** are both in decline.

While honey bee populations can be recuperated each year for now (through beekeeping), our food security comes at an ever higher financial cost to beekeepers that may not be sustainable.

Native bees, on the other hand, do not have human keepers recuperating their numbers each year.

Losing native bee species compromises the resilience and longevity of our natural ecosystems that depend on them.



Main threats facing all bees (and insects)









What we can do

"Saving the bees" essentially means **preserving** and creating more biodiversity.

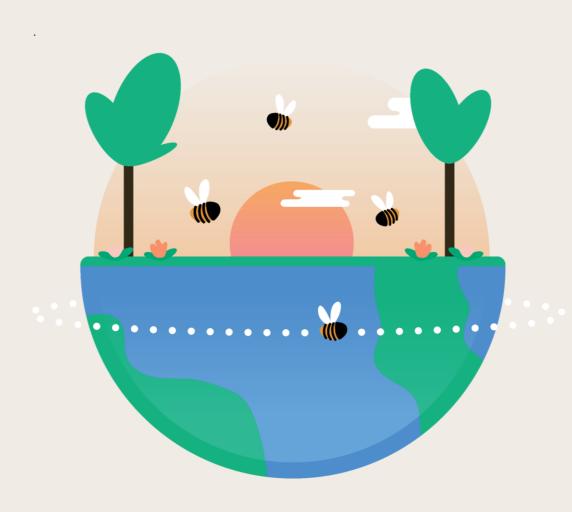
Actions people, companies, buildings, cities, and governments take to protect bees can have wider impact on biodiversity conservation, as well as agricultural policies and practices, eventually leading to a more sustainable environment.

Essentially, we have the power to change the current **cityscapes** and **agricultural systems** that are so hostile to insects.



QUESTIONS

Any questions?

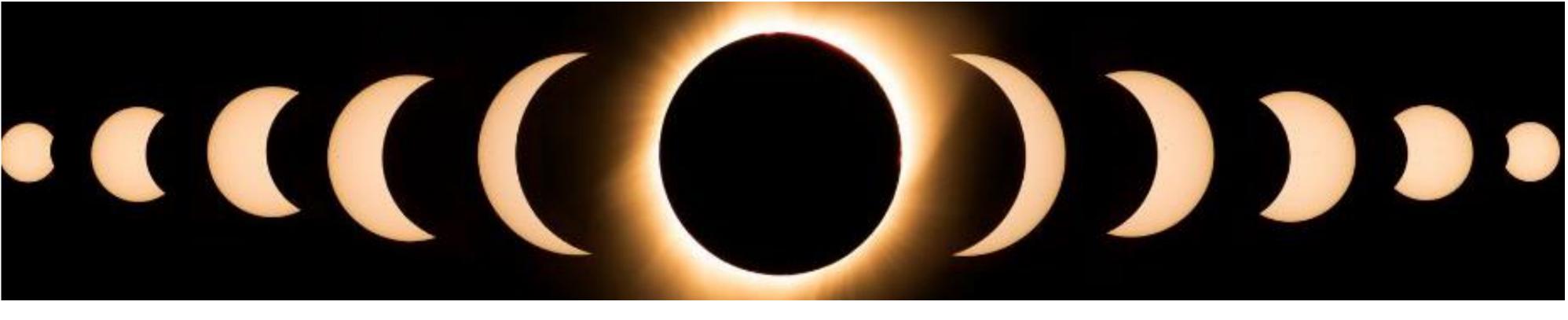




www.alveole.buzz





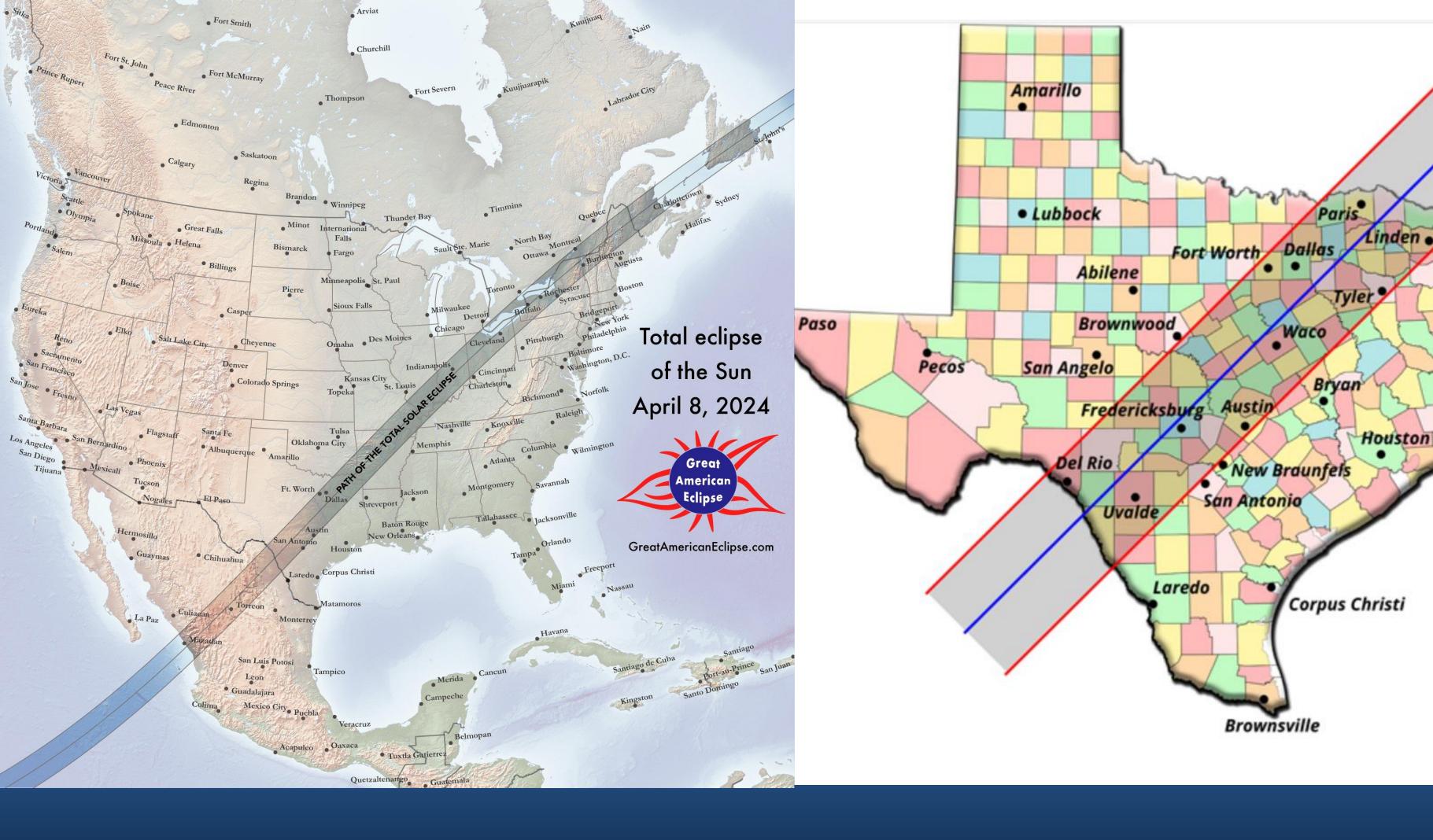


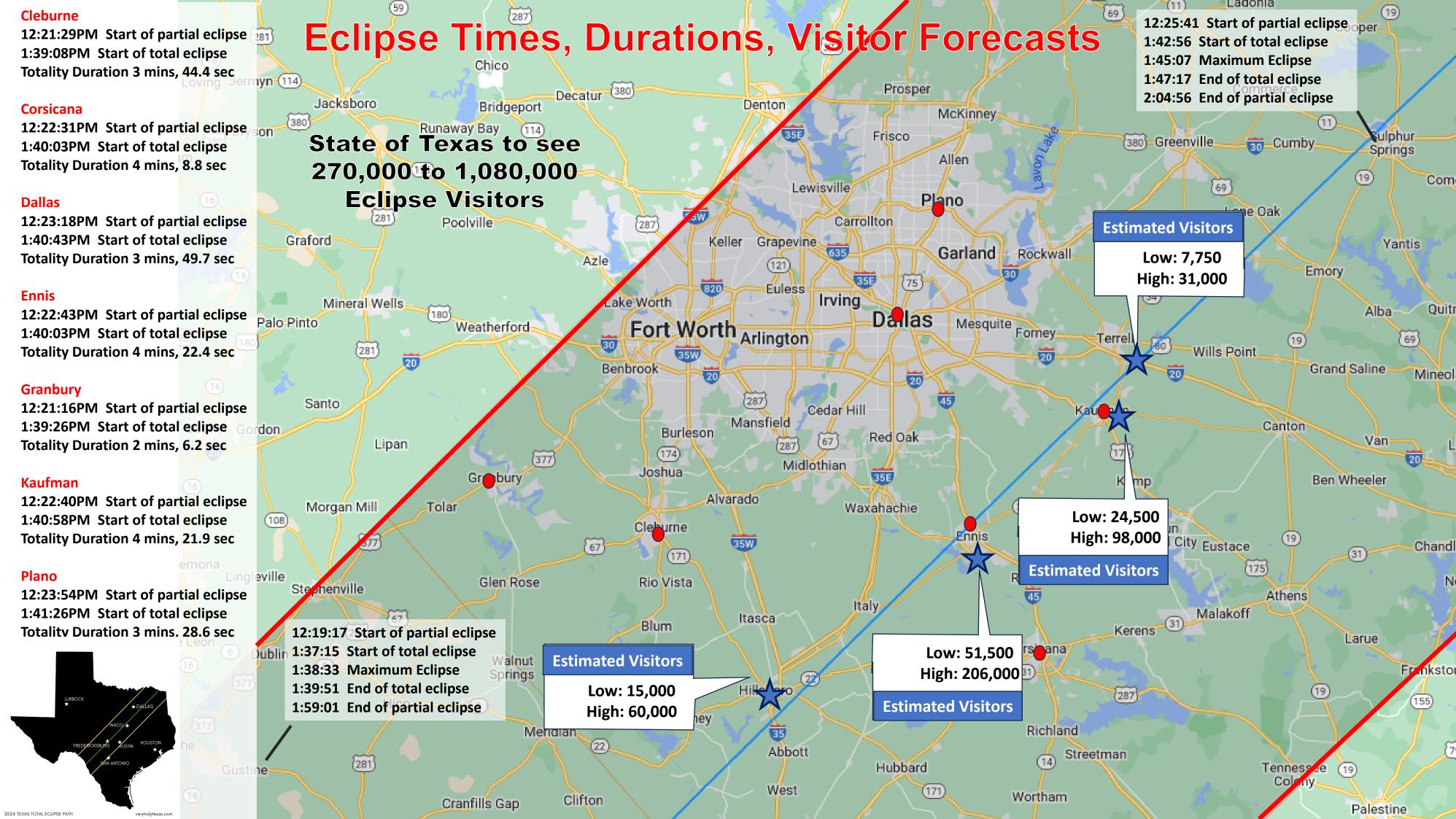
Solar Eclipse Planning

February 1, 2024



Maribel Martinez-Mejia
North Central Texas Council of Governments EP





Lessons Learned from 8/21/2017 & 10/2023 Solar Eclipses

- Emergency Managers & Communications professionals found that those which engaged in early planning and coordination experienced eclipse events that passed without major incident.
- Thousands of visitors migrated to areas in the main eclipse path, putting a strain on local resources.
- According to some EMs, some communities were impacted for up to two weeks with emergency services personnel most impacted as they struggled to respond to an increase in calls-for-service.
- Numerous reports of overwhelmed and malfunctioning LTE and 5G networks.
- Ingress and egress transportation routes may be severely impacted depending on the number of spectators, and staging areas for emergency personnel or equipment were limited.
- Small, rural communities often have limited personnel working at 911 Centers/ Public Safety Answering Points (PSAPs) and do not regularly experience large call volumes. However, these calls increased due to compounding health and environmental factors, and a temporary surge in population.
- Initiate Planning Early and develop communications plans.

Challenges to prepare for...

- Large crowds
- Booked hotels, short term rentals,
 RV Parks
- Traffic congestion/Choke Points
- Vehicle Accidents/Stalled Motorists
- Medical Emergencies
- Access for emergency vehicles
- Fuel shortages

- Possible communication (cell) issues
- Overwhelmed Emergency Call Centers
- School closures or operational changes
- Debris Management
- Wildfires at State Parks/Natural Areas, along roads & highways
- Active Shooter/Terrorism
- Civil Unrest

Things to consider...

- Increase staffing needs (911 centers, EOCs, hospitals, emergency response...)
- Have situational awareness on special events
- Electronic message boards to push out needed info event day
- Temporary traffic lights for known hazardous areas
- Designated viewing areas (to encourage those to not park on the side of the road or on private property)
- Trash place roll off dumpsters, trash bins at key locations
- Redundant Communications Sat Phones, GETS, FirstNet, Ham Radio groups
- Work with your city, visitor bureau, chamber on flyers, public & community messaging (event, safety, emergency messaging) and having community/business meetings

Transportation

- Avoid last minute travel.
- Be prepared for heavy traffic, delays and headaches.
 - Stock up with supplies. Water, fuel, food.
- Pre-positions resources if possible.
 - Rural roads may become blocked.
- Travelers will stop on roadsides to view the eclipse.



Transportation

Boater safety.

- Lakes will be a popular spot for viewing the eclipse.

General aviation.

- Airports in the path of totality can expect higher than normal usage.
- Pilots may camp with their planes.
- Taxiways my need to become overflow parking.



Crime

Human trafficking.

Traffickers follow the people. They follow the money. They follow large crowds."

Illegal drug use.

 A team of researchers at Murray State University in Kentucky present evidence that drug use during the solar eclipse of 2017, was significantly higher than during the rest of the year.



- Emergency Management city/county individual planning taking place
- Colleges & Universities internal planning meetings
- ISDs no KNOWN closures
 - Operational adjustments regarding field trips, UIL band trips, lunch schedules, student viewing
 - Texas School Safety Center will distribute a white paper soon to assist districts
 - Building internal guidance documents (instructions for teachers and emergency planning guidance for campus administrators)
 - Conducting training
 - Planning considerations unauthorized guardians to view eclipse with students while outside, local residents viewing eclipse in parks adjacent to campus, hoax threats issued to campus in advance of eclipse

Communications/911

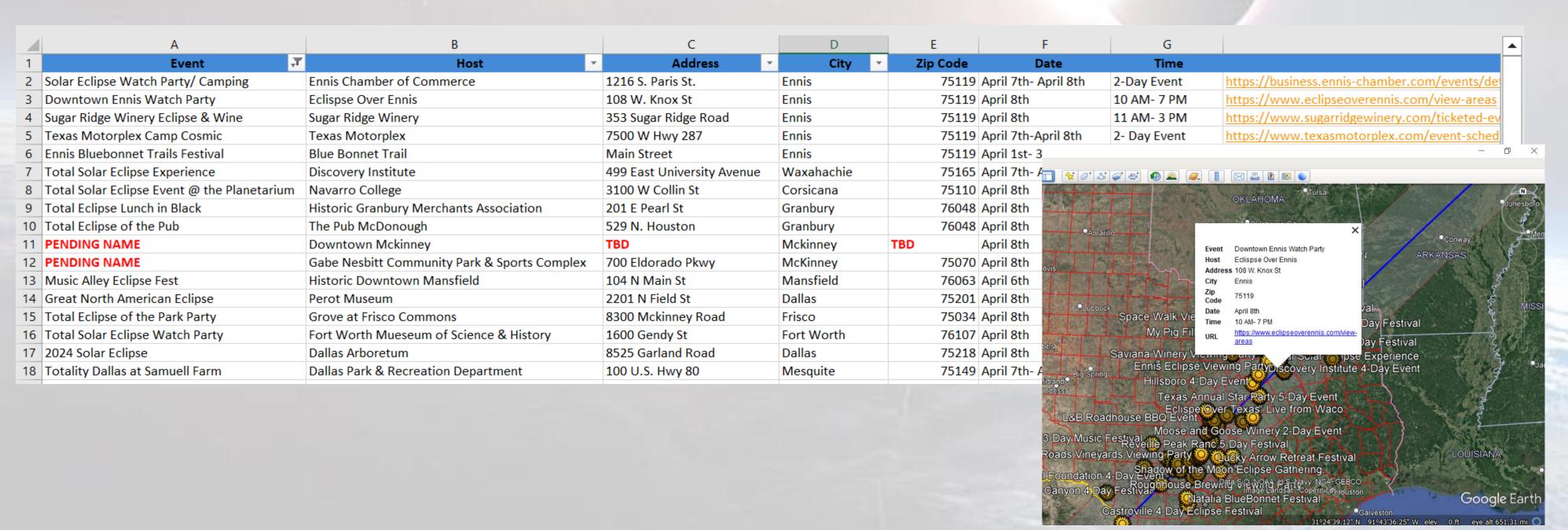
- Commission on State Emergency Communications (CSEC) is identifying 9-1-1 agencies in the path of totality that may require additional resources/assistance.
- Map will be shared with 911 agencies that includes responder information, solutions they utilize internal
- List of 911 agencies that will need additional staffing to help with call volume increase prior to and days following the eclipse
- Currently, handful 911 agencies that will request additional staffing
- NCT9-1-1 Office is working with 911 agencies in our region to ensure they have the support leading up to and after the event

Communications/Interop – Regional ICS-205s

- The SWIC office has begun sending emails to local Emergency Managers and Communications Officials in an effort to develop regional ICS-205 Comm plans for frequency coordination and deconfliction.
- They are requesting the following channels/talkgroups for each county and/or area command planned for use during the eclipse. (This should include normal daily use and interoperability channels)
 - Command
 - Law Enforcement (All Local PD, County Sheriff, etc.)
 - Fire
 - EMS
 - Tactical (All discipline tactical channels planned)
 - Air Operations
 - Staging (Any channels planned to use for staging resources)

Eclipse Special Events

 SWIC and NCTCOG currently has compiled known NCTCOG area special events and will be shared with the region for visibility



DDC/RSC/NCTCOG Planning:

- TDEM A declared disaster must be in place should resources be requested
- Emergency Management EM Support Team pre-requests for staffing are available
- TXDOT/Transportation TxDOT will draft messages for TxDOT as well as local partners to post on dynamic message boards. In addition, TxDOT plans to restrict lanes closures but not suspend projects.
- NWS Weather briefings will be held the week leading up to the eclipse

Next Regional Meeting in March

Discussion & Questions



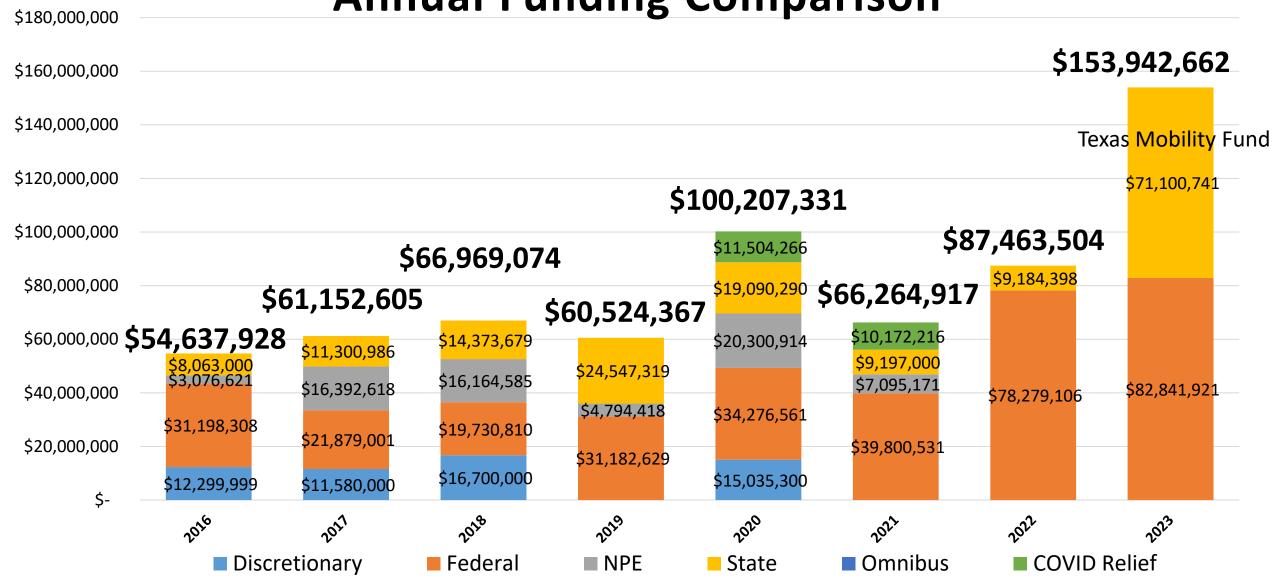
Air Transportation Advisory Committee

February 1, 2024

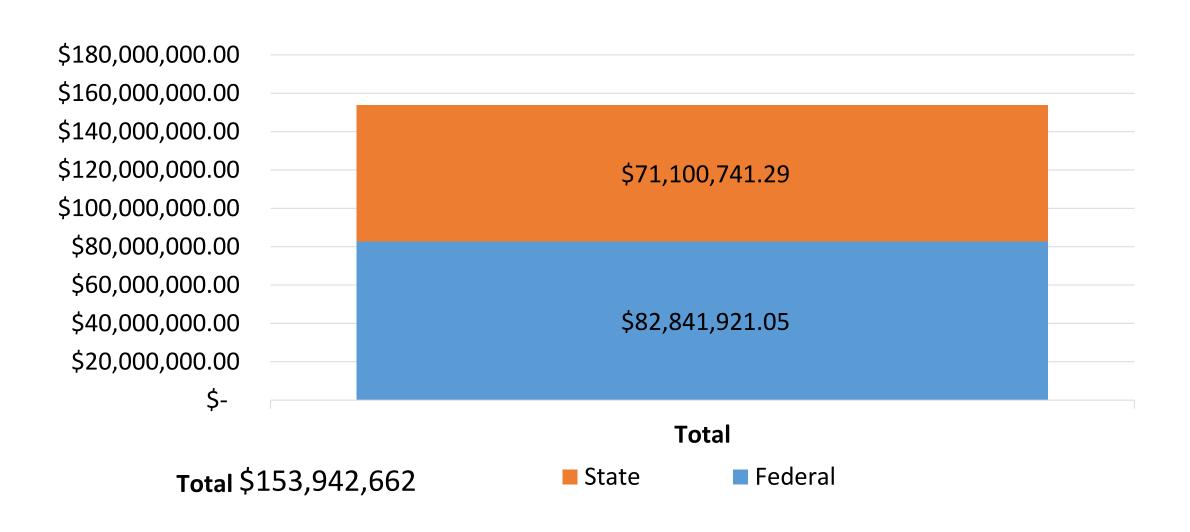


Regional Airport Funding Update
Ernest Huffman

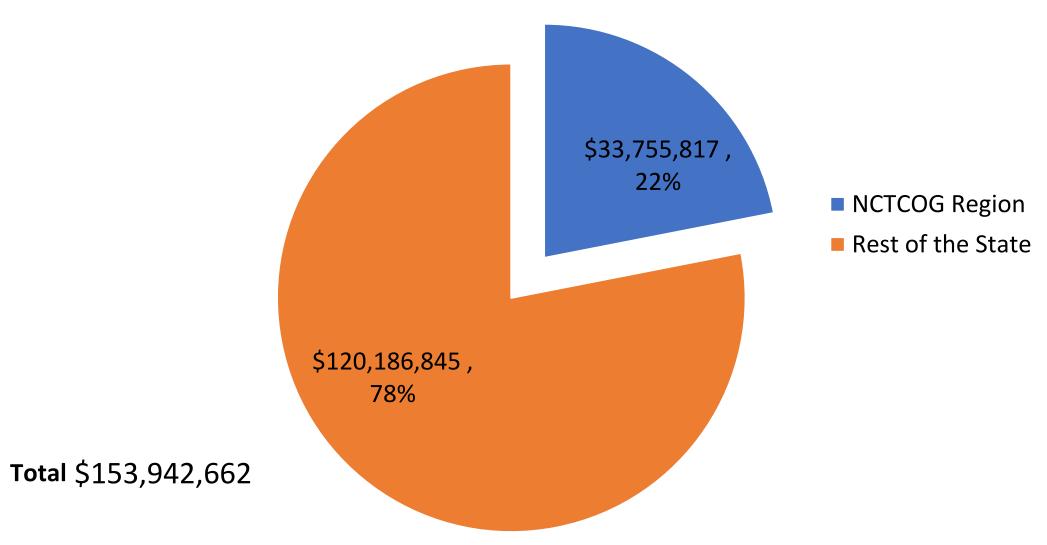
Texas
Annual Funding Comparison



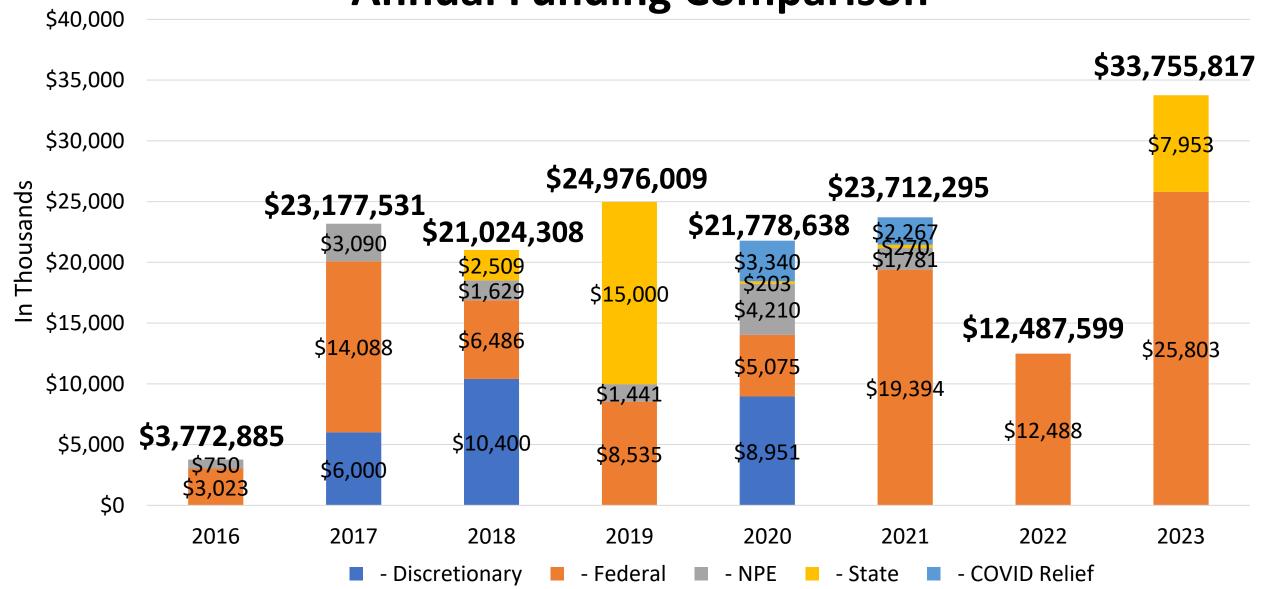
Texas Grants by Funding Source 2023



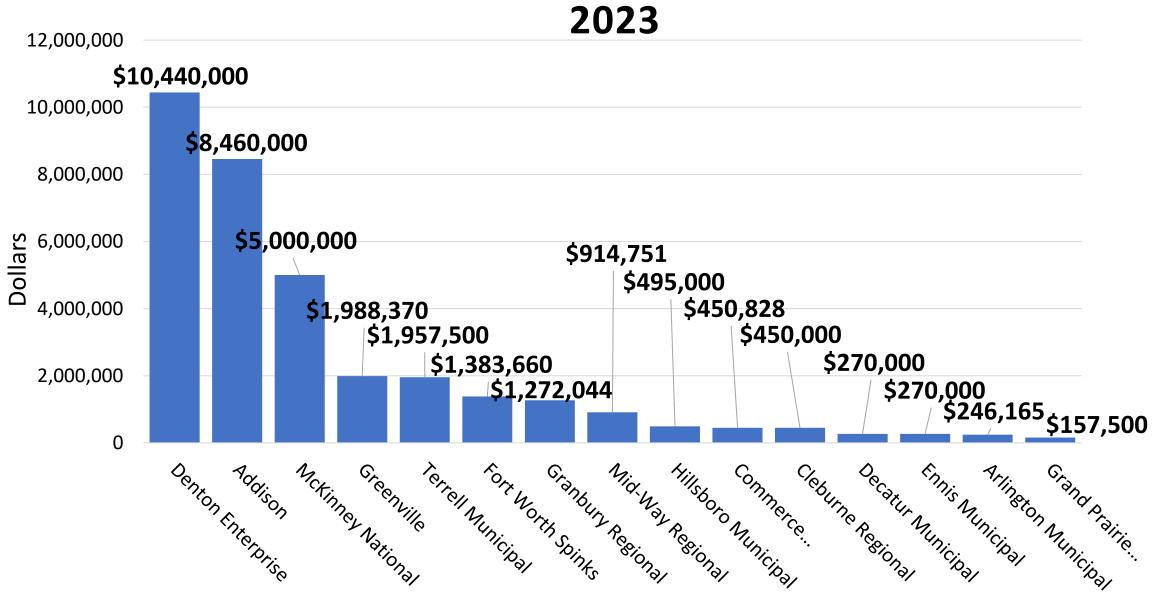
NCTCOG Region vs. Non-Regional Funding 2023



2023 NCTCOG Region Annual Funding Comparison



NCTCOG Region Airport Grant Amount





Advanced Air Mobility Use Cases

Passenger Movement

Airport Shuttle

- DFW Airport to/from Arlington Entertainment District
- Arlington Municipal Airport to/from Arlington Entertainment District



Medical

Air Ambulance

 Arlington Entertainment District to/from Arlington Memorial Hospital



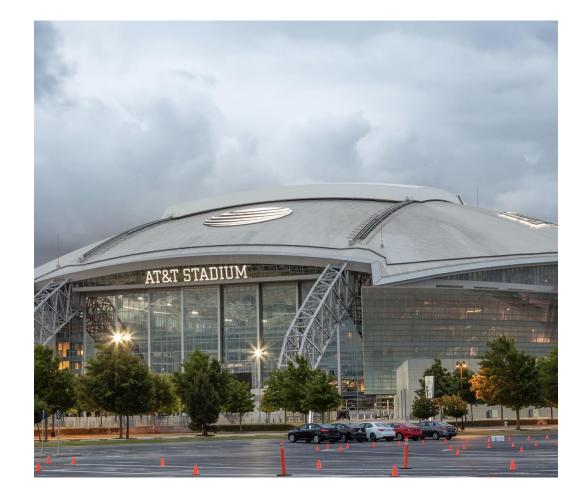






World Cup 2026 – Arlington Texas

- Dates June 11th, 2026 July 19th, 2026
- Venue AT&T Stadium, Arlington Texas
- Matches 8 + Matches.
 Possibly Have The Final Match
- Attendance 100,000+ Each Match



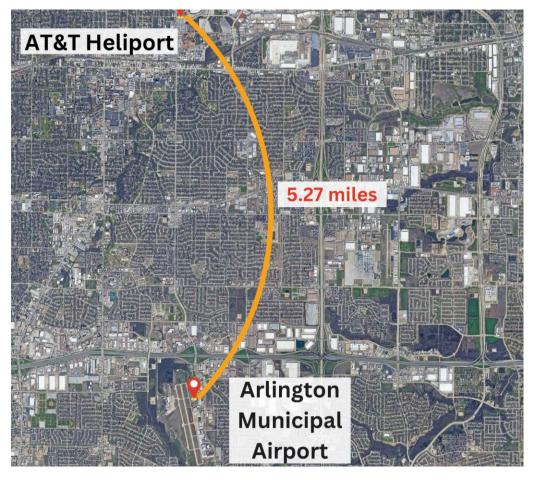






Airport Shuttle Route

Arlington Municipal Airport to/from Arlington Entertainment District



Dallas Fort Worth Airport to/from Arlington Entertainment District









Airport Ambulance Route









Other Updates

- North Texas Airspace Awareness Pilot
- Texas AAM Advisory Committee
- Advanced Air Mobility Interagency Working Group Visit







Questions?

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