



# Water Resources Council (WRC)

July 9, 2025





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# Procedures for Online Meeting

- Today's presentation will be posted on the WRC website at: <https://www.nctcog.org/envir/committees/water-resources-council>
- Roll call today in lieu of sign-in sheet.
- Please keep your microphone on mute when not speaking.
- Please use the "raise hand" feature to ask a question or provide a comment. When called on, state your name and entity you are representing.
- Approval of action items will still be done by a voice vote. Please only vote if you are a member of the WRC.



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# Welcome and Introductions

- Roll call in lieu of a sign-in sheet
- Welcome guests.
- Thank you all for attending!



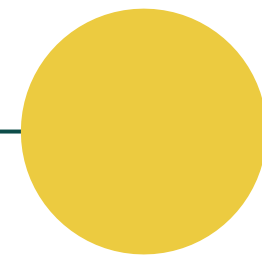
# Speaker Presentation

Jason Pierce, Upper Trinity Regional  
Water District



# BUILDING TRUST, BUILDING A LAKE

## The Role of Communications







# RESEARCH & PLANNING

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## Background interviews to create a strategic communications plan

### Stakeholder Interviews

1. Eighteen interviews
2. Landowners & business groups
3. Local gov. & school officials
4. Paleontology groups

### Comprehensive Plan

1. Incorporated stakeholder comms preferences/cross sharing
2. Economics
3. Recreation



# COMMUNICATIONS

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**Multi-channel cross-promotion ensures broad reach**

Website & Factsheets

Reports & eNewsletters

Social Media & Graphics

Media Outreach



# GROUNDBREAKING

## *Water for the People*

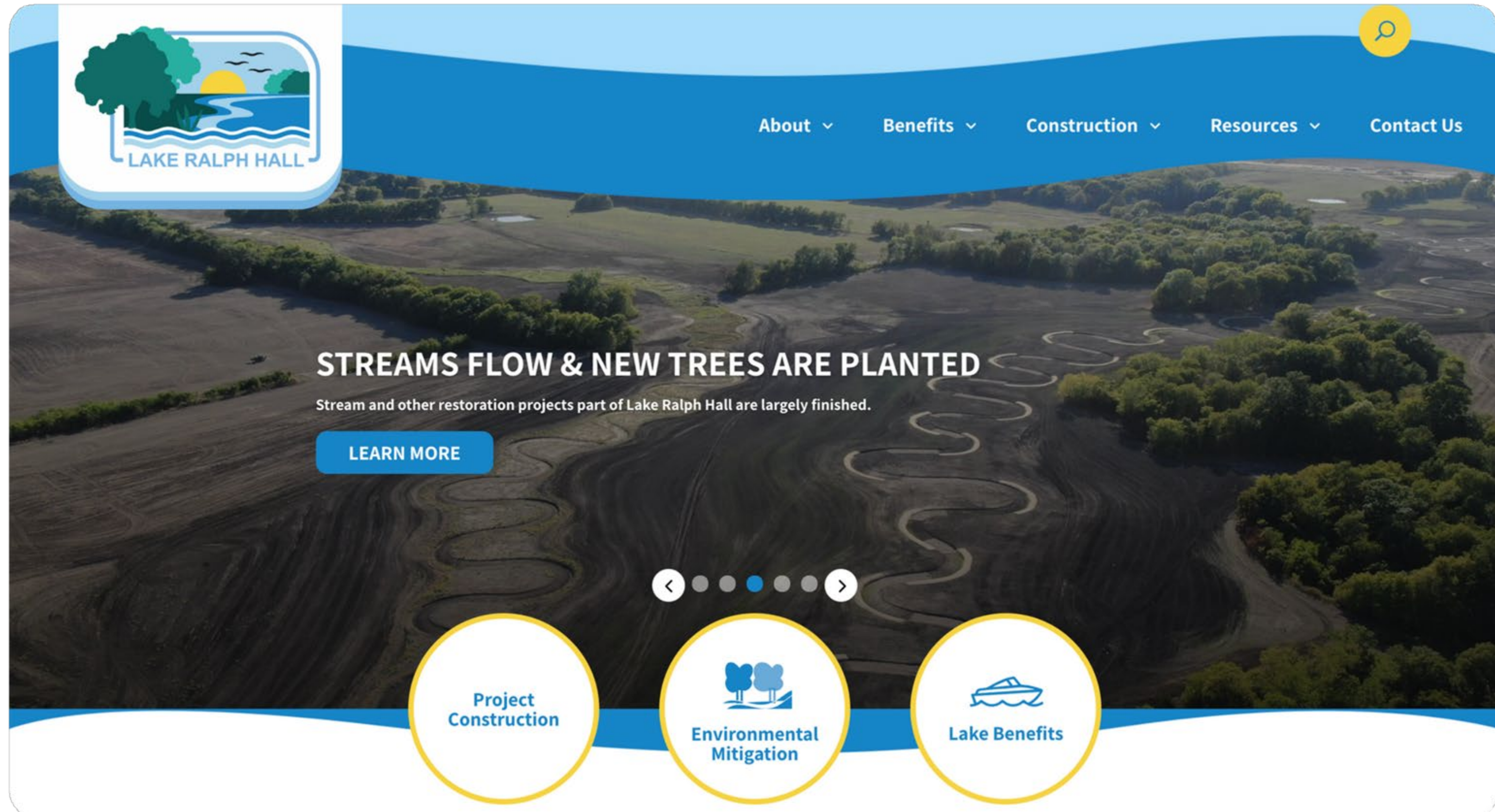


- Program & banners
- T-shirts/hats worn by kids
- 300+ participants
- Puzzle - laid pieces
- Honored visionaries





# Dedicated Website





# Factsheets

## Project Overview, Benefits, What to Expect During Construction



### Lake Ralph Hall

Water Security, Economy and Environment



Lake Ralph Hall will provide water to one of the fastest growing regions in North Texas and supply water to future generations.

The potential benefits from the construction of Lake Ralph Hall and associated raw water pipeline include employment opportunities; increased tax revenue; roadway improvements; and new recreation opportunities including fishing, boating and nature viewing. These benefits will also provide commercial opportunities to attract locals and visitors alike.

### WATER FOR THE FUTURE

As the populations of Denton and Collin counties grow, so does their demand for water. While Upper Trinity Regional Water District (UTRWD) members and customers continue to reduce their water use, our 25 communities are growing at such a rapid rate that their water needs cannot be met by conservation and reuse alone. Lake Ralph Hall will provide an additional source of water to protect our region's water security and continued vitality. UTRWD will own and operate Lake Ralph Hall. Owning the water rights will help reduce UTRWD's dependency on others and will provide water for generations to come. Once construction costs are paid, the lake will also yield long-term savings for our water customers.

### ECONOMIC BENEFITS

It is anticipated that lake construction will provide millions of dollars in economic benefits to the region, boosting the economies of both the City of Ladonia and Fannin County. This new water supply also will continue to support the growing economies of the communities UTRWD serves. Spending on materials, supplies and labor will account for the bulk of the immediate, direct and indirect benefits to the local area from the project and spending by workers will benefit local merchants/businesses through multiplier impacts. Recreation at the lake will benefit the region as well.

#### Construction benefits:

- Creation of approximately 290 new jobs to construct Lake Ralph Hall\*
- Creation of approximately 95 new jobs to construct the pipeline to convey water from the new lake to UTRWD's treatment and distribution system\*
- The net effect on sales of goods and services expended from Lake Ralph Hall amounts to about \$36 million in Fannin County\*
- Improvements to some county roads are expected around the project area
- Creation of a temporary fossil park during construction of the dam and roadways and relocation of the Ladonia Fossil Park to a new, permanent location downstream

#### Post-Construction benefits:

- Onsite workforce to sustain and operate the lake
- Pedestrian-friendly SH 34 bridge spanning the reservoir that will connect to a planned visitors' center at the lake office
- Increased tourism to Ladonia/Fannin County due to recreational opportunities including fishing and boating
- Construction of boat ramp, dock and support parking area allow year-round access to lake
- Potential for new residential and commercial development including primary residences, weekend/second homes, retirement properties and businesses for recreators
- Increased tax revenues for Ladonia (estimated increase of \$400,000 30 years after project completion) and Fannin County (estimated increase of \$685,000 30 years after project completion)\*



UTRWD and its contractors are committed to protecting the safety of both the public and our workers. We recognize that construction projects can be disruptive. Our team is working to minimize inconvenience to the community and prioritize safety for everyone.

Things you can do to stay safe:

- Be aware of fenced-off construction areas and watch for signage.
- Stay away from construction/storage sites and equipment.
- Keep children and pets away from work areas and equipment.
- Talk to your children – let them know construction sites are dangerous and they must avoid the temptation to explore/play on the big equipment and piles of dirt.
- Drive with caution around construction areas. Follow the speed limit and be alert for changes in traffic patterns.
- If you see something unusual or unsafe, please let us know immediately.

## What You Can Expect During Construction

Work will occur simultaneously on many different parts of the Lake Ralph Hall project. Traffic on state and county roads near the future lake may be heavier than usual due to bridge and dam material deliveries. In addition, you may notice road construction/closures and pipeline construction.



### Road Construction and Closures

To make way for the lake, several roads must be closed, adjusted or improved. Road construction began summer 2021 and over the next couple of years, UTRWD will

- Relocate portions of SH 34
- Build a new SH 34 bridge (with pedestrian walkway) to provide access over the lake
- Relocate a portion of FM 1550
- Make adjustments to several county roads



Expect increased traffic, as well as potential lane closures in these areas. Lane closures will be clearly marked, and we will post updates in advance on [Facebook](#) and [Twitter](#). For a map of current and future road construction/closures, visit [lakeralphhall.com/construction/roads-and-bridges#breadcrumbs](#). Construction is expected to finish in Spring 2023.



### Pipeline Construction

UTRWD is installing around 32 miles of large diameter pipe to move water from Lake Ralph Hall to its existing water system. UTRWD is also building a balancing reservoir to connect water from this new pipeline into an existing one. Visit [lakeralphhall.com/construction/pipeline](#) for more information and updates.



## Good Neighbor Commitment

UTRWD and our contractors are committed to completing the construction as quickly and efficiently as possible; and, working closely with the City of Ladonia and Fannin County, local residents, businesses and others to minimize and address impacts. UTRWD and/or its contractors will coordinate directly with any impacted landowners before and during construction to answer questions. We will work to mitigate noise, traffic, and dust to the greatest extent possible.



## Minimizing Impacts



### Closures and Reroutes

Any traffic reroutes will always be clearly marked during and before road closures or construction (especially on the major travel routes around Ladonia). Construction areas will also be appropriately marked with signs and fencing.



### Traffic and Noise

Construction will require increased truck traffic and will create some level of noise and dust. We will implement industry best practices to monitor these impacts and minimize them as much as possible. Measures to reduce dust include watering construction sites, keeping construction vehicle speeds slow and covering excavated soil stockpiles.

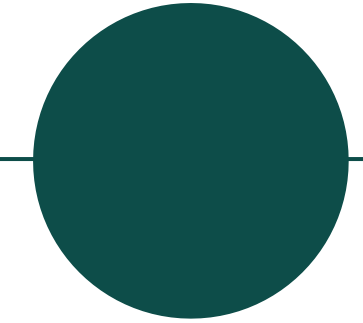
## Communicating with You

UTRWD will communicate with residents, property owners, businesses, and local officials to ensure that they are informed about the current construction schedule and work in their vicinity.



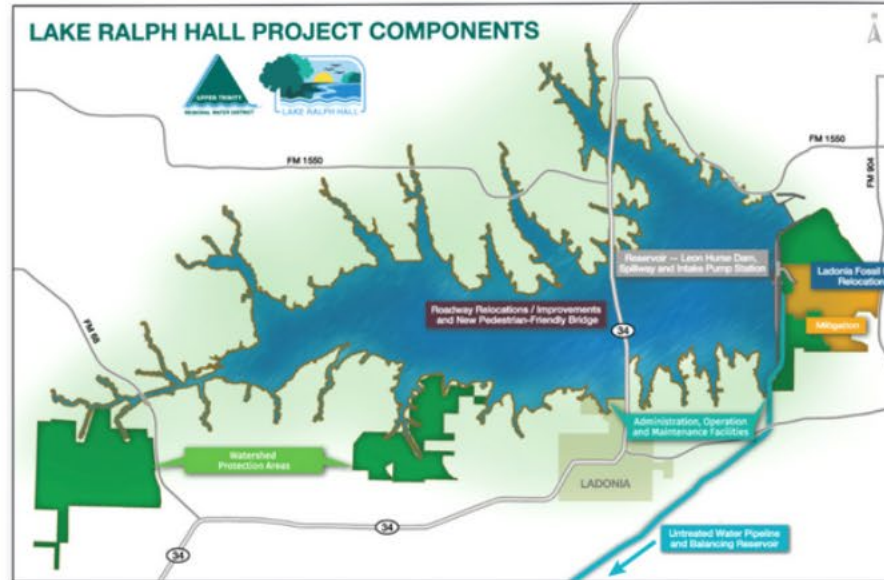


# Reports & eNews



- Shared regularly
- Aimed at key stakeholders
- Unpack key project elements
- Update on progress

## PROJECT COMPONENTS UPDATE



### Reservoir, Leon Hurse Dam & Spillway

Constructing a 2.3 mile-long dam, intake pump station to pump water into the untreated water pipeline and spillway to release excess water back into the North Sulphur River.

- Close to 300 construction workers are now onsite. Many are placing and compacting dirt for the embankment on both ends of the dam. So far they have placed over 3.3 million cubic yards of dirt.
- Crews have placed almost 60% of the roller-compacted concrete and 42% of the reinforced concrete for the spillway.
- Crews have completed clearing of the general lake area east of SH 34.
- Crews started clearing west of SH 34 in February.

### Roadway and Bridge Improvements

Constructing a new pedestrian-friendly SH 34 lake bridge, relocating part of FM 1550 and improvements and closures to various county roads.

- The North Sulphur River and Merrill Creek Bridges are finished and open to the public.
- A new section of FM 1550 is complete and open to the public.
- Contractors finished their work on the county roads.

## PROJECT COMPONENTS UPDATE CONTINUED

### Administration, Operation and Maintenance Facilities

Building facilities for the lake's day-to-day operation, management and maintenance facilities.

- Halff Associates is currently planning/designing the lake administration facilities and campus.
- Construction has begun on the Maintenance Building.

### Conveyance

Installing a 32-mile underground pipeline and creating a balancing reservoir to provide water to Upper Trinity's water system for treatment and delivery.

- UTRWD has acquired all necessary land for the pipeline, balancing reservoir and delivery point facility.
- The pump station is almost 60% complete, with pumps scheduled to be delivered in early spring, 2025.
- Crews have installed 98% of the pipeline for the project and are very close to completion.
- Construction on the balancing reservoir began last summer (2024) and is over 25% complete.

### Mitigation

Returning a portion of the former North Sulphur River to its natural, meandering path. Leaving other areas in their natural condition to protect water quality in the lake.

- Crews have finished creating five streams for the project and related mitigation work.
- The new, permanent fossil park's design is complete. Construction will start on the new fossil park in late March. The temporary fossil park was closed to the public on March 3.

## SPOTLIGHT

### Temporary Ladonia Fossil Park Closed & Permanent Park Underway

The temporary Ladonia Fossil Park was permanently closed on March 3. The planned closure was necessary to protect the public as construction on the Leon Hurse Dam continues: Water is backing up in the North Sulphur River channel, causing the temporary park to be inaccessible. In addition, construction crews will soon begin clearing land near the temporary park.



"We understand how important the Ladonia Fossil Park is to the local community and fossil enthusiasts," said Upper Trinity's Executive Director Larry N. Patterson. "Safety remains our top priority, and we appreciate the public's patience as we work to build a new, permanent fossil park with access downstream of the Leon Hurse Dam."

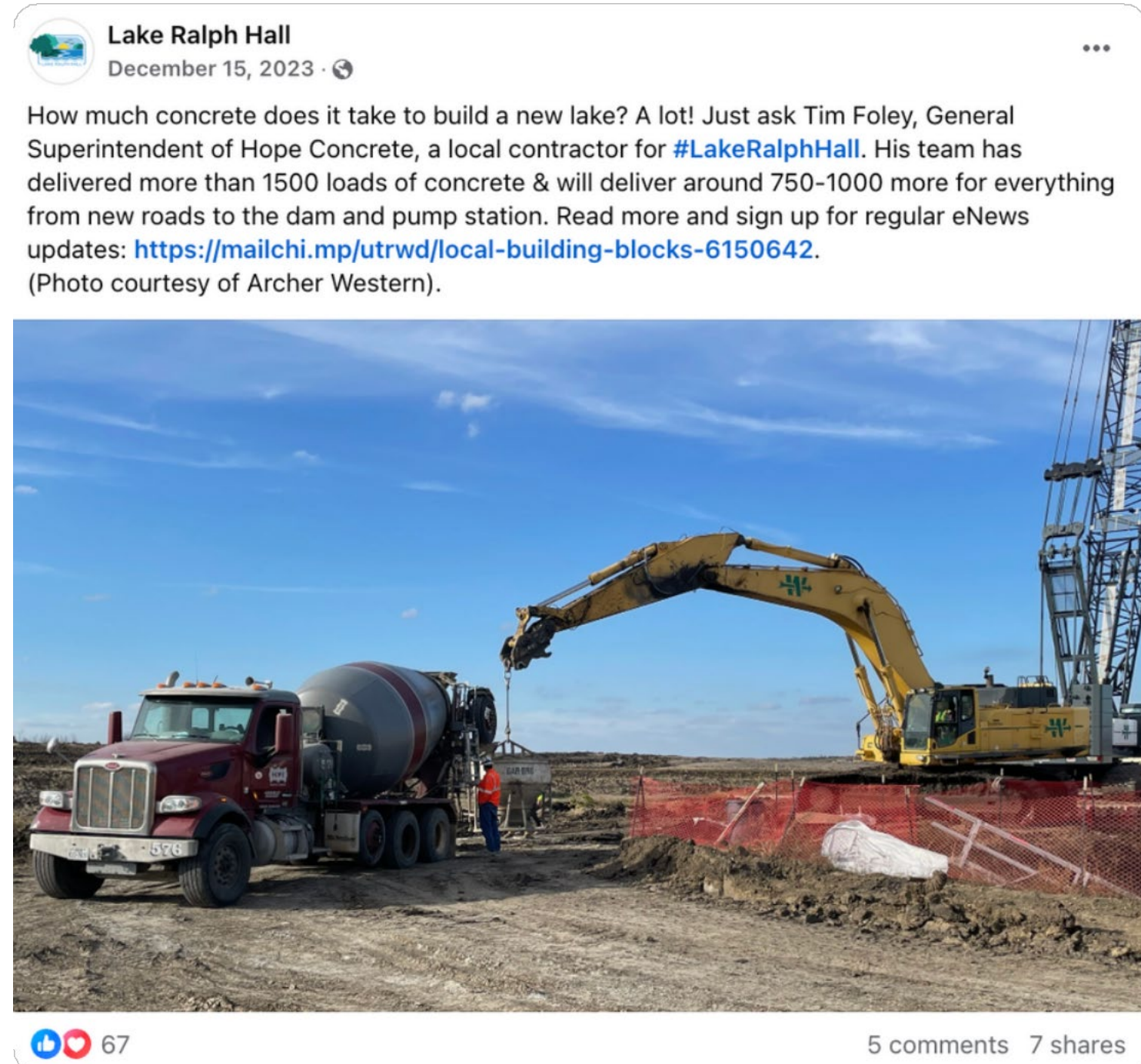
Upper Trinity is coordinating with the City of Ladonia and the Ladonia Chamber of Commerce to open a new fossil park on FM 904 this fall (2025). The permanent park will have a parking lot, easy access to the riverbed and additional amenities. Upper Trinity will share more about the new park as its opening approaches.



# Social Media

## Facebook & X Social Media Campaigns

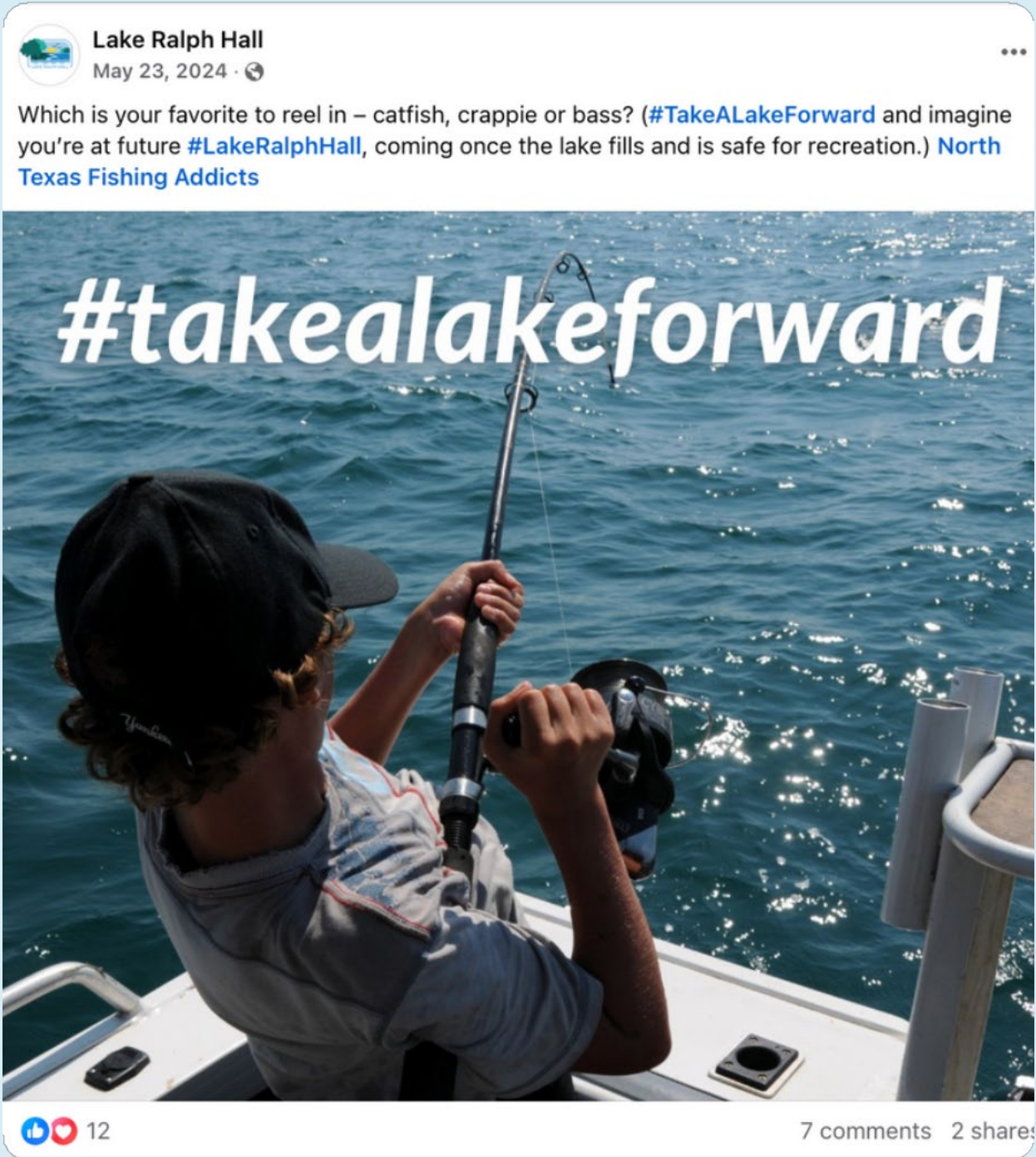
- Active participation: FB: 3,700 followers, avg. 50+ reactions
- Various campaigns: project updates, #TakeALakeForward, #FossilFriday





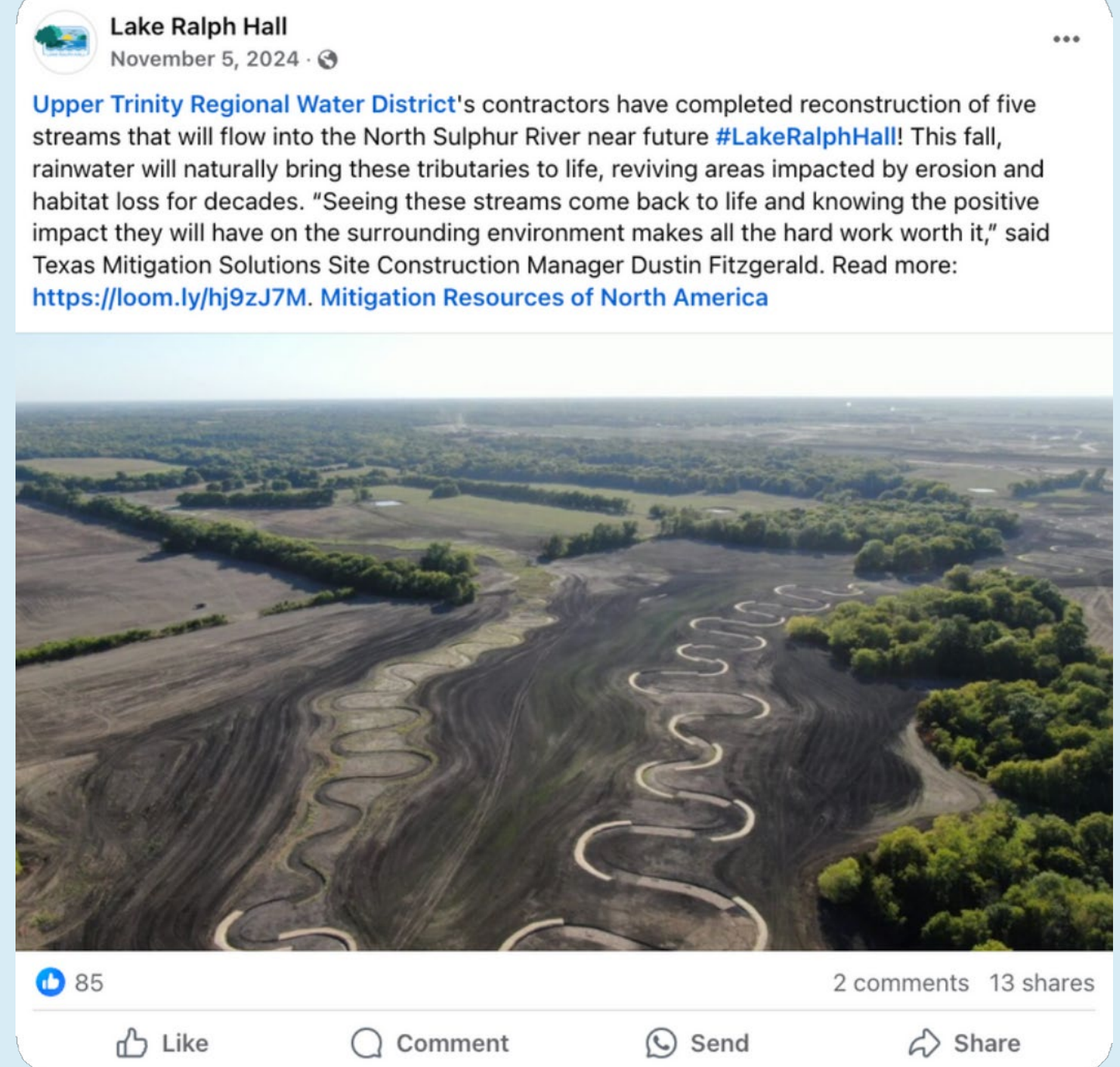
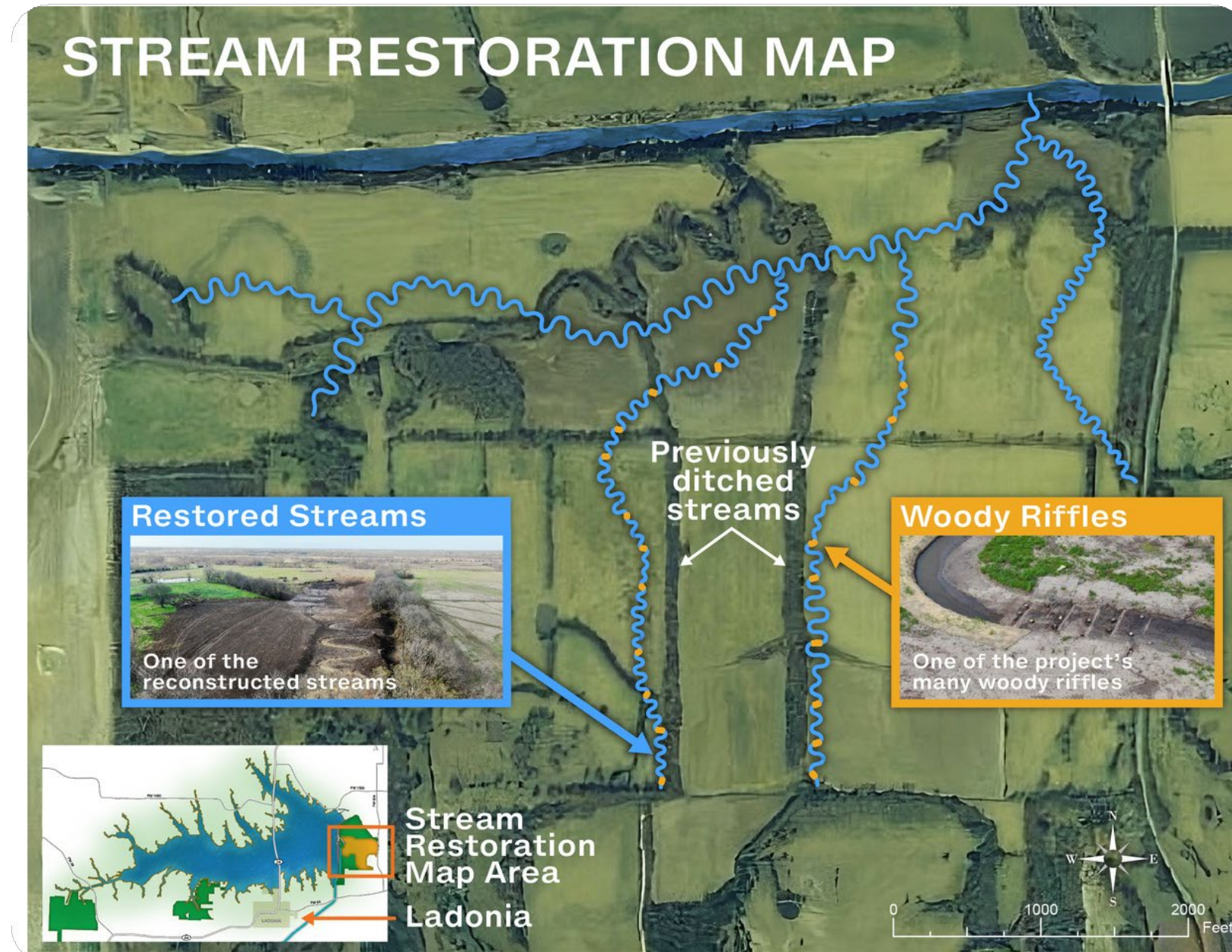
# Social Media

#TakeALakeForward & #FossilFriday (Cross-sharing with Fossil Park page)



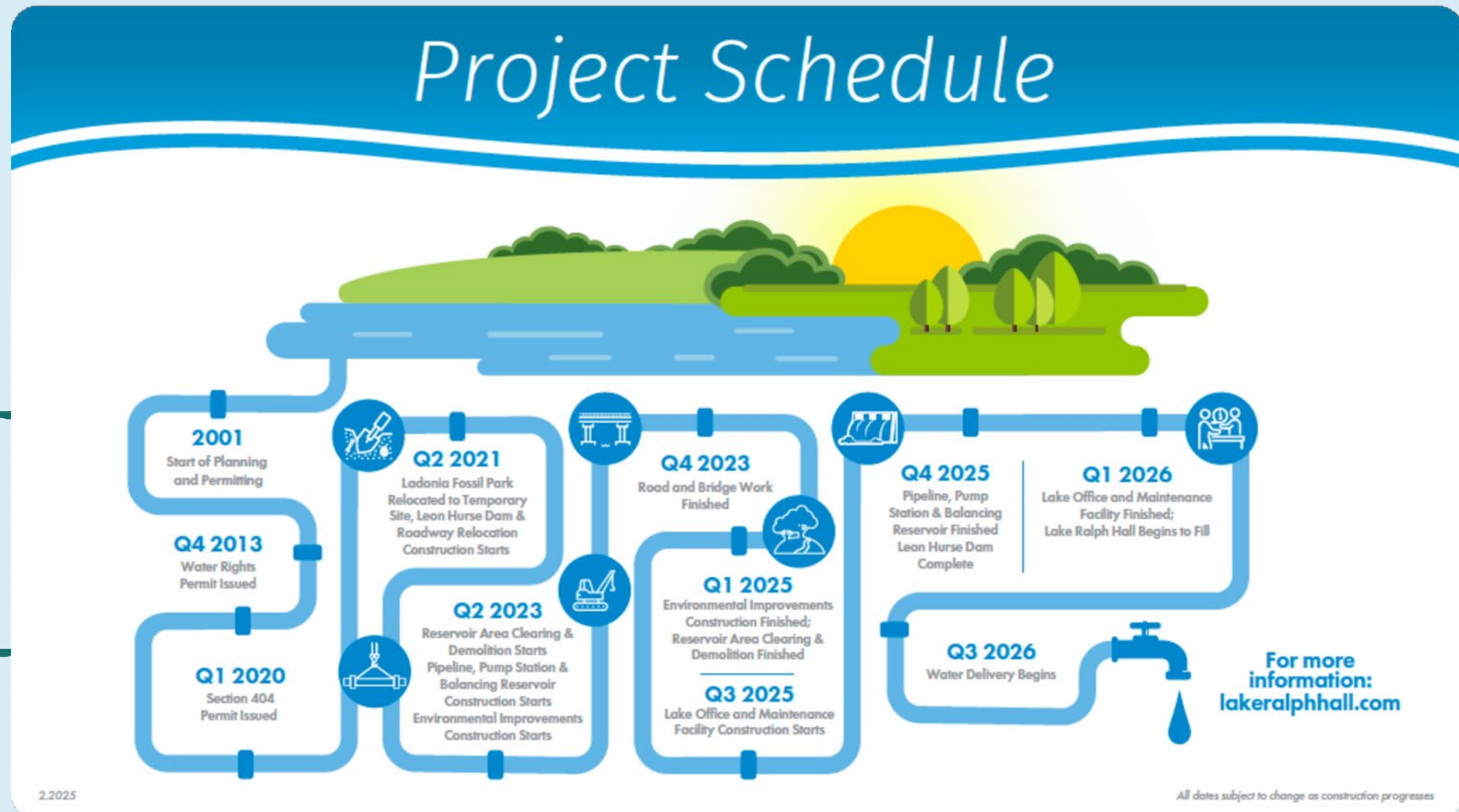


# Social Media



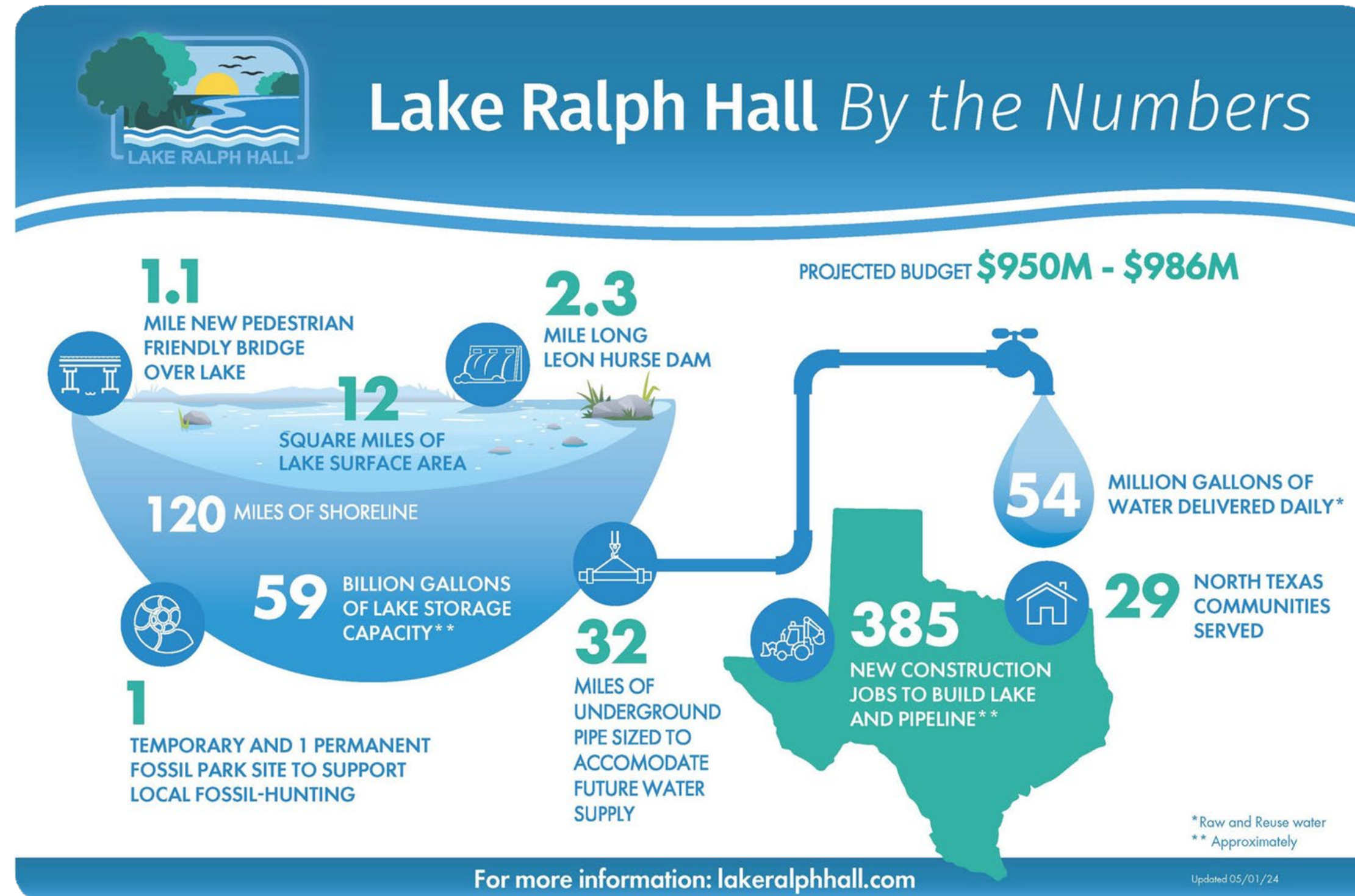


# Graphics - Visual Storytelling



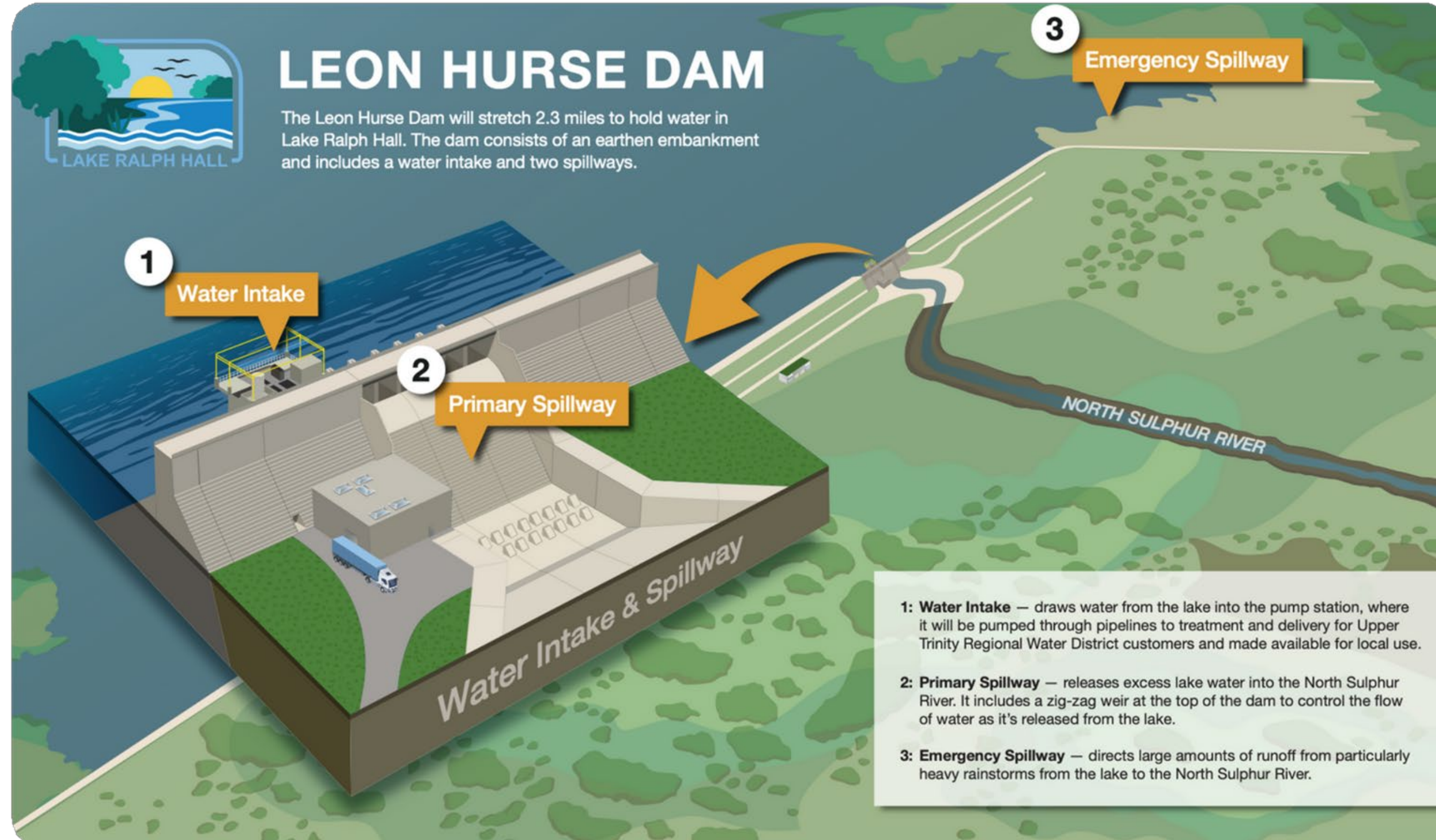


# Graphics - Visual Storytelling



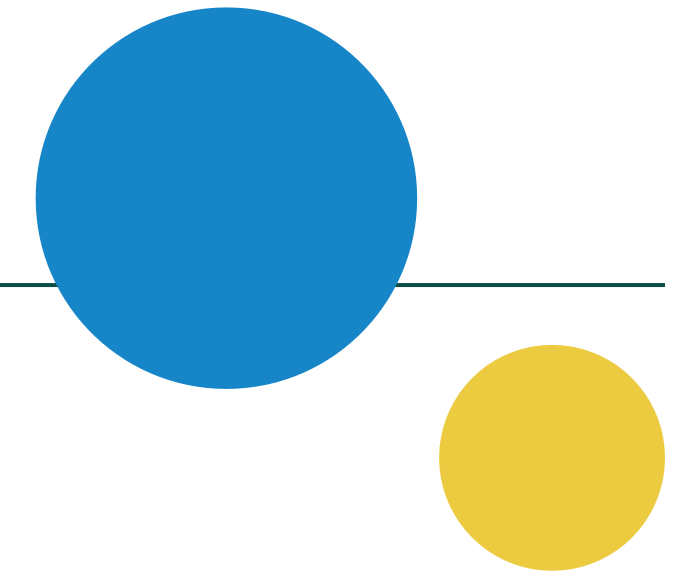


# Graphics - Visual Storytelling





# Videos - Visual Storytelling



- Animated overview
- Time-lapse of progress
- Streams & trees highlight

## Lake Ralph Hall Animated Overview



Upper Trinity Regional Water...  
490 subscribers

Subscribe

102



Share





# Videos - Visual Storytelling



## Lake Ralph Hall - Providing Water, Enhancing Communities



Upper Trinity Region...  
490 subscribers

Subscribe

15



Share

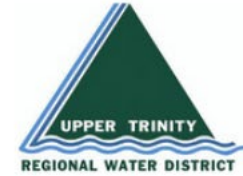


- Museum & fossil park
- Economic benefits
- Footage for posterity



# Media Releases & Tours

- Highlight key progress
- Regular media tours
- Communicate in advance on closures
- Showcase unique project elements



## FOR IMMEDIATE RELEASE

Jason Pierce  
Mgr. Governmental Affairs & Communications  
(972) 219-1228 / [jpierce@utrwd.com](mailto:jpierce@utrwd.com)

### **Temporary Ladonia Fossil Park is Closing** *New, Permanent Park Under Construction this Summer*

**Fannin County, TX (February 18, 2025)** — The temporary Ladonia Fossil Park will permanently close starting March 3, 2025, for planned construction on Lake Ralph Hall. Upper Trinity Regional Water District (Upper Trinity) is coordinating with the City of Ladonia and Ladonia Chamber of Commerce to open a new, fossil park on FM 904 this fall (2025) with additional amenities.

Upper Trinity relocated the Ladonia Fossil Park to a temporary location east of FM 2990 and on the north side of the North Sulphur River in the spring of 2021. The planned closure is necessary to protect the public as construction on the Leon Hurse Dam continues. Water is backing up in the North Sulphur River channel causing the temporary park to be inaccessible. In addition, construction crews will soon begin clearing land near the temporary fossil park location.

“We understand how important the Ladonia Fossil Park is to the local community and fossil enthusiasts,” said Upper Trinity’s Executive Director Larry N. Patterson. “Safety remains our top priority, and we appreciate the public’s patience as we work to build a new, permanent fossil park with access downstream of the Leon Hurse Dam.”

#### **The Permanent Fossil Park**

The new permanent park will be under construction this summer and is scheduled for completion this fall (2025). It will have a parking lot, easy access to the riverbed, and additional amenities. Upper Trinity will share more about the new park as its opening approaches.

Visitors are encouraged to check the Ladonia Fossil Park Facebook page (<https://www.facebook.com/groups/739220792768941/>) for the latest information on fossil hunting in the Ladonia area.

#### **About Lake Ralph Hall**

Scheduled for completion in late 2026, Lake Ralph Hall will provide a sustainable water supply for Upper Trinity, the City of Ladonia and Fannin County, as well as local recreational and economic benefits. For more details about Lake Ralph Hall, visit [LakeRalphHall.com](https://LakeRalphHall.com).



# *Milestone Events*

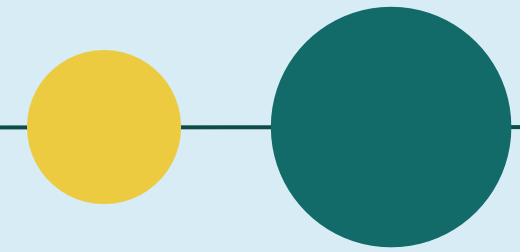
- Last Beam Placement & Bridge Completion
- Pipeline Completion
- Lake Dedication





# QUESTIONS?

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# Action Item

## Meeting Summary

- The April 16, 2025, meeting summary will be presented for approval.



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# Action Item

## FY2025 Water Resources Council Membership

- The FY2026 Roster, recommended by the FY2026 Ad Hoc Nominations Subcommittee, will be presented to the WRC for approval.
- The WRC will also vote on the WRC Chair and Vice-Chair.



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# Action Item

## Recommended FY2026 Reappointments

- Tiffany Bruce, Town of Flower Mound
- Grace Darling, Arlington Conservation Council
- Bill Gase, City of Arlington
- Billy George, North Texas Municipal Water District
- Joshua Howard, Johnson County Special Utility District
- Valerie Miller, Olsson
- Michael Nieswiadomy, University of North Texas
- Larry Patterson, Upper Trinity Regional Water District
- Jerry Pressley, City of Fort Worth
- Jeff Price, City of Mansfield



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# Action Item

## Recommended New Members for FY26

### David Phan, City of Dallas

- Major Utility Provider, Customer Member–At–Large (Dallas)
- Engineering Program Administrator

### Nosa Irenumaagho, City of Dallas

- Major Utility Provider, Customer Member–At–Large (Dallas)
- Assistant Director

### Taylor Alvarez, City of Watauga

- Major Utility Provider, Customer Member–At–Large (Fort Worth)
- Utility Superintendent

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# Action Item

## Recommended New Members for FY26

### Katelyn Hearon, City of Lewisville

- Utility Provider, Development Community, or Industry Representative Region–At–Large
- Assistant Director of Public Services

### Michael Kivlan, Mustang SUD

- Utility Provider, Development Community, or Industry Representative Region–At–Large
- Director of Operations



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# Action Item

## Recommended New Members for FY26

### Stephanie Griffin, Halff

- Utility Provider, Development Community, or Industry Representative Region–At–Large
- Vice President, Director of Water Resources

### Robert Saucedo, City of Hurst

- Utility Provider, Development Community, or Industry Representative Region–At–Large
- Director of Public Works

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# Action Item

- Questions on FY2026 Roster?
- Vote on WRC FY2026 Roster



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# Action Item

## Chair and Vice–Chair Appointments for FY26

- FY25 Chair: Stacy Walters  
City of Fort Worth
- FY25 Vice–Chair: Rachel Ickert  
Tarrant Regional Water District
- Nominations from Floor
- Vote on Leadership

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# Action Item

## Approval of the Draft 2025 Update to the North Central Texas Water Quality Management Plan (WQMP)

- NCTCOG will provide an overview of the Draft 2025 WQMP and comments received.

[Link to the Draft 2025 WQMP](#)



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# Action Item

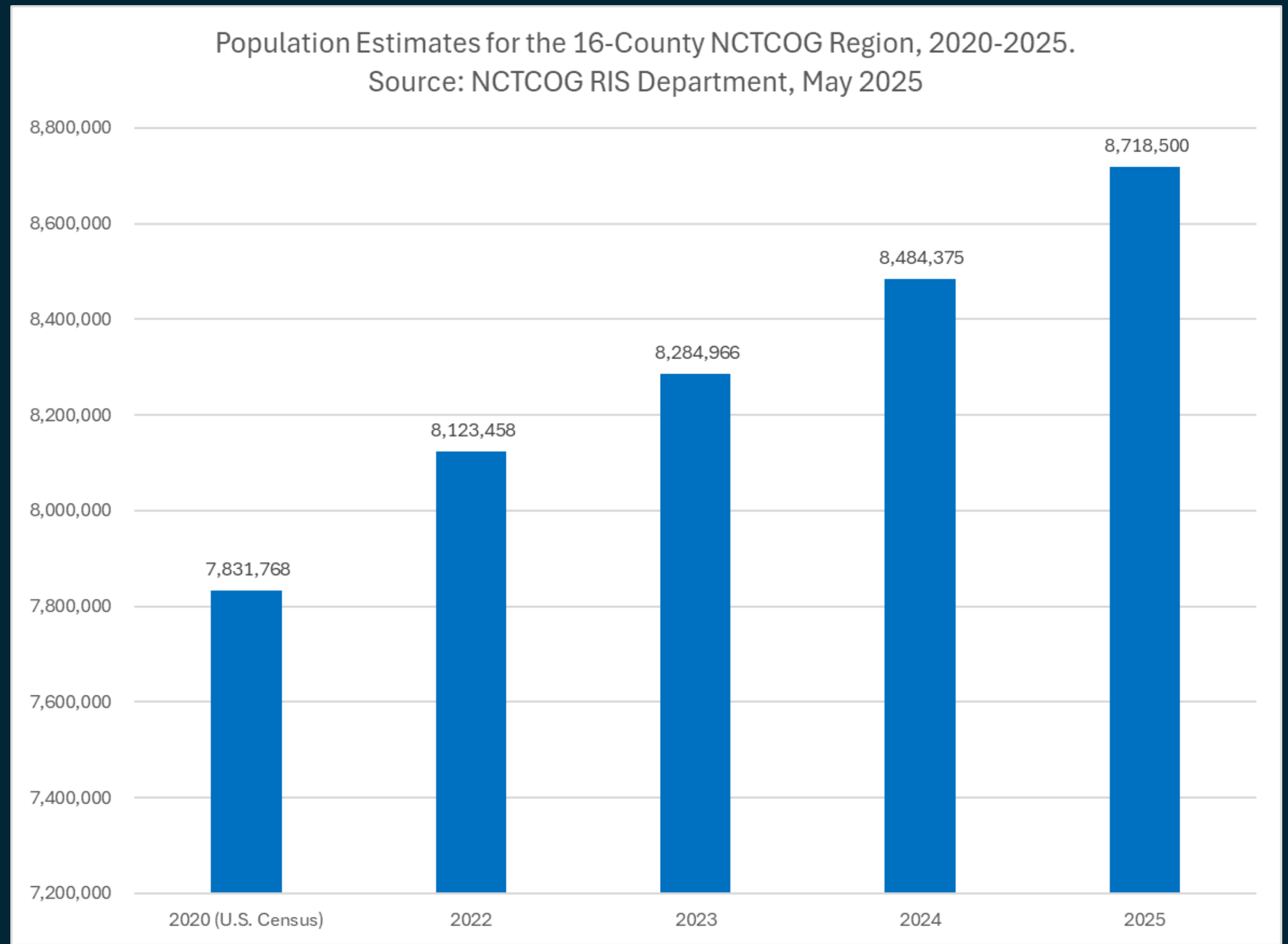
## Draft 2025 WQMP

- To be included on NCTCOG's website with other mapping products
- All mapping data updated with data from TCEQ's 2024 Texas Integrated Report
- Continuing to add locations of on-site sewage facilities
- Permitted TPDES wastewater outfall locations mapped with TCEQ data

# Action Item

## 2025 Population Estimates

Source: <https://data-nctcoggis.hub.arcgis.com/documents/28c5015972ac4934802c5d86b699bdcd/explore> NCTCOG RIS Department, May 2025





# Action Item

City	2025 Population
Dallas	1,385,989
Fort Worth	1,033,932
Arlington	413,955
Plano	299,262
Irving	266,162
Garland	251,932
Frisco	235,615
McKinney	226,181
Grand Prairie	215,210
Denton	159,518

## 2025 Ten Largest Cities in 16-County NCTCOG Region

Source: <https://data-nctcoggis.hub.arcgis.com/documents/28c5015972ac4934802c5d86b699bdcd/explore>  
NCTCOG RIS Department, May 2025

# Action Item

Top 10 Cities Experiencing the Highest Absolute Growth in the NCTCOG Region, 2024–2025.

City	2024	2025	Absolute Change (2024-2025)
Fort Worth	1,001,741	1,033,932	32,191
Dallas	1,356,479	1,385,989	29,510
Celina	45,854	61,834	15,980
McKinney	214,871	226,181	11,310
Princeton	33,288	43,126	9,838
Anna	27,823	34,100	6,277
Grand Prairie	209,231	215,210	5,979
Denton	154,189	159,518	5,329
Plano	294,152	299,262	5,110
Frisco	231,768	235,615	3,847

Source: <https://data-nctcoggis.hub.arcgis.com/documents/28c5015972ac4934802c5d86b699bdcd/explore>  
NCTCOG RIS Department, May 2025



# Action Item

## Top 10 Cities Experiencing the Largest Percent Population Change in the NCTCOG Region, 2024–2025

City	2024	2025	Percentage Change (2024-2025)
Lavon	8,154	11,396	39.76%
Celina	45,854	61,834	34.85%
Crandall	4,345	5,749	32.31%
Lowry Crossing	1,697	2,222	30.94%
Princeton	33,288	43,126	29.55%
Caddo Mills	4,688	5,909	26.05%
Anna	27,823	34,100	22.56%
Northlake	11,811	4,448	22.33%
Pilot Point	6,578	7,942	20.74%
Haslet	4,197	5,032	19.90%

Source: <https://data-nctcoggis.hub.arcgis.com/documents/28c5015972ac4934802c5d86b699bdcd/explore>  
NCTCOG RIS Department, May 2025

Action Item

Core Counties Population Estimates and Projections

County	2020 County Population (U.S. Census)	2025 County Population Estimate	2050 County Population Projection
Collin	1,064,465	1,305,366	2,154,649
Dallas	2,613,539	2,762,279	3,070,902
Denton	906,422	1,068,355	1,877,835
Tarrant	2,110,640	2,260,330	2,866,567

Source: <https://data-nctcoggis.hub.arcgis.com/documents/28c5015972ac4934802c5d86b699bdcd/explore>  
NCTCOG RIS Department, May 2025



# Action Item

## Top Five Counties Experiencing the Largest Absolute Population Change in the NCTCOG Region, 2024–2025

County	2024 County Population Estimate	2025 County Population Estimate	Absolute Growth (24 - 25)
Collin	1,229,632	1,305,366	75,734
Dallas	2,716,721	2,762,279	45,558
Tarrant	2,224,584	2,260,330	35,746
Denton	1,036,720	1,068,355	31,635
Ellis	228,511	239,923	11,412

Source: <https://data-nctcoggis.hub.arcgis.com/documents/28c5015972ac4934802c5d86b699bdcd/explore>  
NCTCOG RIS Department, May 2025

# Action Item

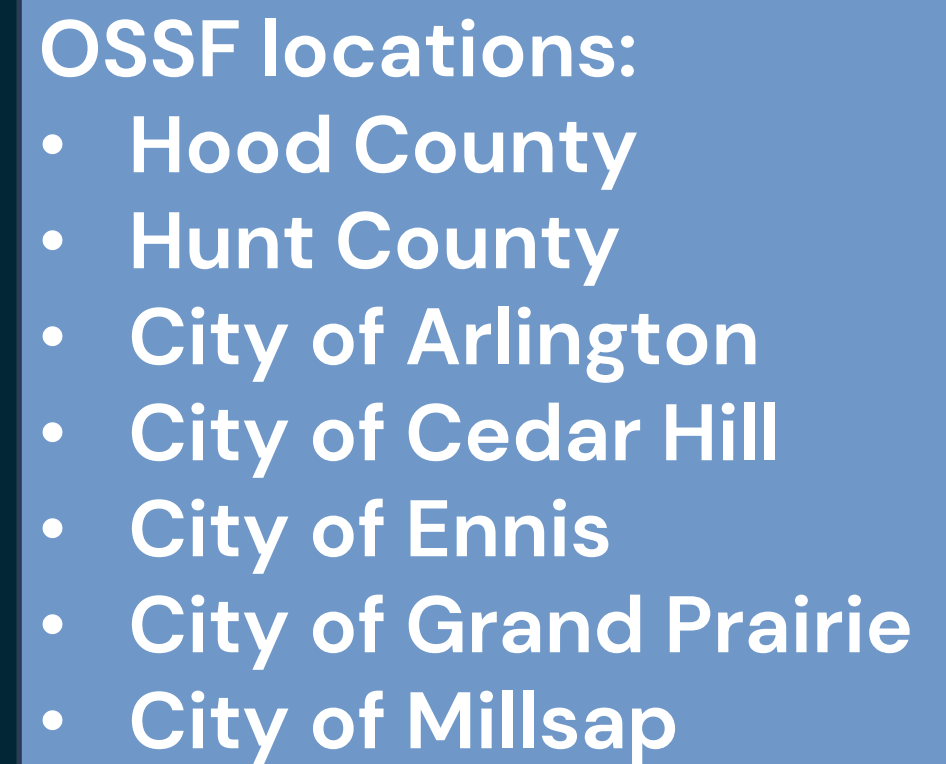
Top Five Counties Experiencing the Largest Percentage of Population Change in the NCTCOG Region, 2024–2025

County	2024 County Population Estimate	2025 County Population Estimate	Percent Growth (24 - 25)
Hood	62,543	66,549	6.41%
Kaufman	161,562	171,808	6.34%
Collin	1,229,632	1,305,366	6.16%
Ellis	228,511	239,923	4.99%
Johnson	210,104	217,867	3.69%

Source: <https://data-nctcoggis.hub.arcgis.com/documents/28c5015972ac4934802c5d86b699bdcd/explore>  
NCTCOG RIS Department, May 2025



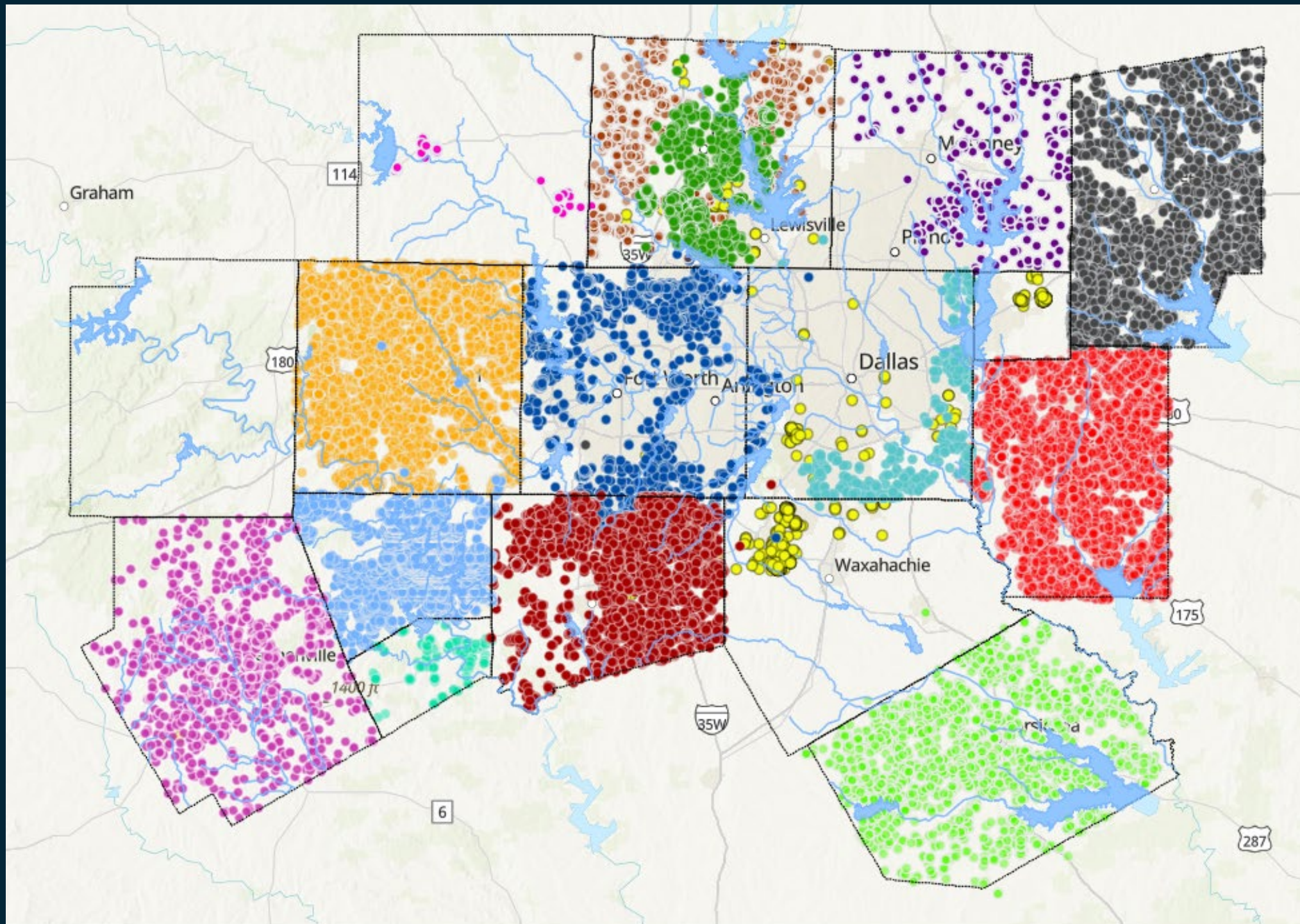
# On-Site Sewage Facilities – 2021 WQMP





# Action Item

## On-Site Sewage Facilities – 2025 WQMP



New OSSF entities added in FY2025:

- Dallas County
- Collin County
- TCEQ
- New Fairview
- Plus, newly permitted systems from current entities



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# Action Item

## Public Comment Review

Comments from four entities: Trinity River Authority, the City of McKinney, the City of Dallas and the Greater Dallas Planning Council

- Edited acronyms and general formatting
- Clarified text regarding regional water planning jurisdictions to better refer to the regional water planning map.
- Repaired Watershed Protection Plan (WPP) website links in the map pop-up windows. A few did not function due to a GIS issue.

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# Action Item

## Public Comment Review

Comments continued:

- Encouraged NCTCOG to include a SMART goals section that addresses specific strategies and to incorporate a dashboard to track goal progress.
- Encouraged NCTCOG to incorporate scenario modeling regarding extreme weather events.
- Supported the designation of a “priority watershed” where there are the greatest water quality concerns.
- Encouraged targeted support for smaller systems



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# Action Item

## Public Comment Review

Comments continued:

- Asked NCTCOG to provide context for pollutants, such as acceptable ranges and thresholds.
- Asked NCTCOG to include closed-circuit television and infrastructure scanning as proposed techniques for SSO prevention
- Encouraged partnership between TCEQ and NCTCOG to explore modern monitoring techniques to clarify sources of bacteria and other impairments.
- Encouraged NCTCOG to discuss important impairments and emerging concerns in greater detail

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# Action Item

## Public Comment Review

Comments continued:

- Proposed NCTCOG to use the TPDES permit effluent discharge limitations to address other contaminants.
- Encouraged greater discussion of litter's impact on waterways and the ecosystem.



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# Action Item

## Approval of the Draft 2025 Update to the North Central Texas Water Quality Management Plan (WQMP)

- The WRC will vote to locally adopt the Draft 2025 WQMP, pending any revisions needed based on public comments.

[Link to the Draft 2025 WQMP](#)

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# Discussion

## Final Update from the 89th Texas Legislative Session

- NCTCOG will discuss relevant bills passed during the 89th Texas Legislative Session.



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# Discussion

## Final Update from the 89th Texas Legislative Session

- Two bills were passed and ultimately vetoed– HB 1690 and SB 1253
- [SB 7](#), [HJR 7](#), – Relating to the oversight and financing of certain water infrastructure matters under the jurisdiction of the Texas Water Development Board.
- [HB 685](#) Relating to rates established by municipalities for water or sewer service for certain entities.
- The full summary of water-related bills is available [here](#) and on the [Water Resources Council webpage](#).

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# NCTCOG Updates

## Dallas Fort–Worth Air Quality Improvement Plan

- Updates on the Dallas Fort–Worth Air Quality Improvement Plan: Comprehensive Action Plan.



North Central Texas Council of Governments

# DALLAS-FORT WORTH AIR QUALITY IMPROVEMENT PLAN

# Dallas-Fort Worth Air Quality Improvement Plan

## Deliverable 1

**Priority Action Plan (PAP)**- Submitted  
March 1, 2024;

[www.publicinput.com/dfwAQIP](http://www.publicinput.com/dfwAQIP)

### Requirements:

- Develop Plan to Improve Air Quality Through 2030
- Basic Carbon Dioxide Equivalent (CO<sub>2</sub>e) Emissions Inventory (EI)
- Measures (*i.e. projects, programs, or policies*)
- Analysis
- Review of Authority to Implement

## Deliverable 2

**Comprehensive Action Plan (CAP)**-Due  
December 1, 2025

### Requirements:

- Develop Plan to Improve Air Quality Through 2050
- All PAP Requirements
- Projections and Targets
- Benefits Analysis
- Funding Analysis
- Workforce Analysis

The DFW AQIP development, including the PAP and CAP, is supported by funding from the Environmental Protection Agency's (EPA) Climate Pollution Reduction Grants (CPRG): Planning Grants



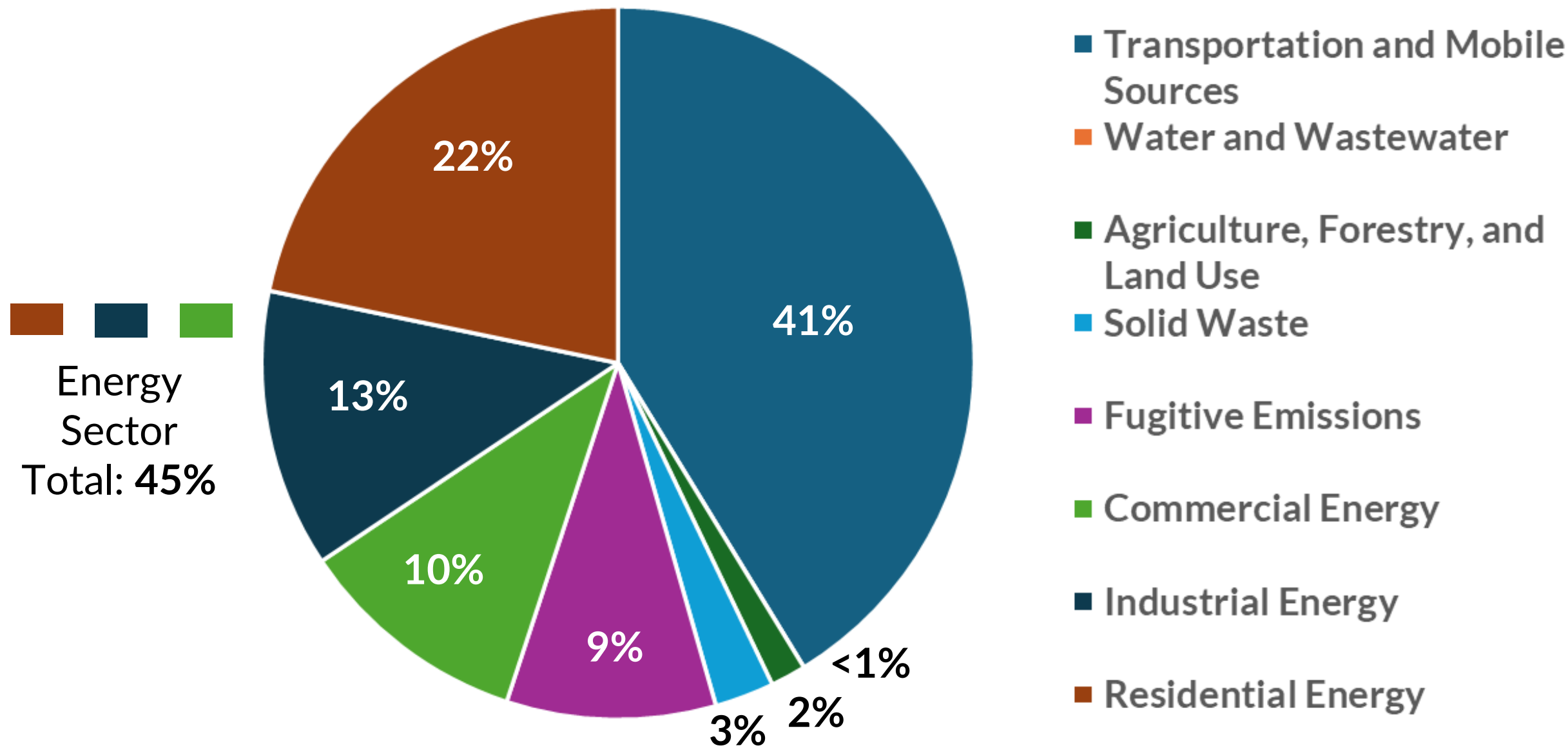


# Emissions Inventory Results

## All Sectors, Carbon Dioxide Equivalent (CO<sub>2</sub>e), Annual

DRAFT

Analysis Year 2022  
NCTCOG 16-County Area



Carbon Dioxide Equivalent (CO<sub>2</sub>e )  
118,591,038 (metric tons/year)





# CAP Measure Requirements

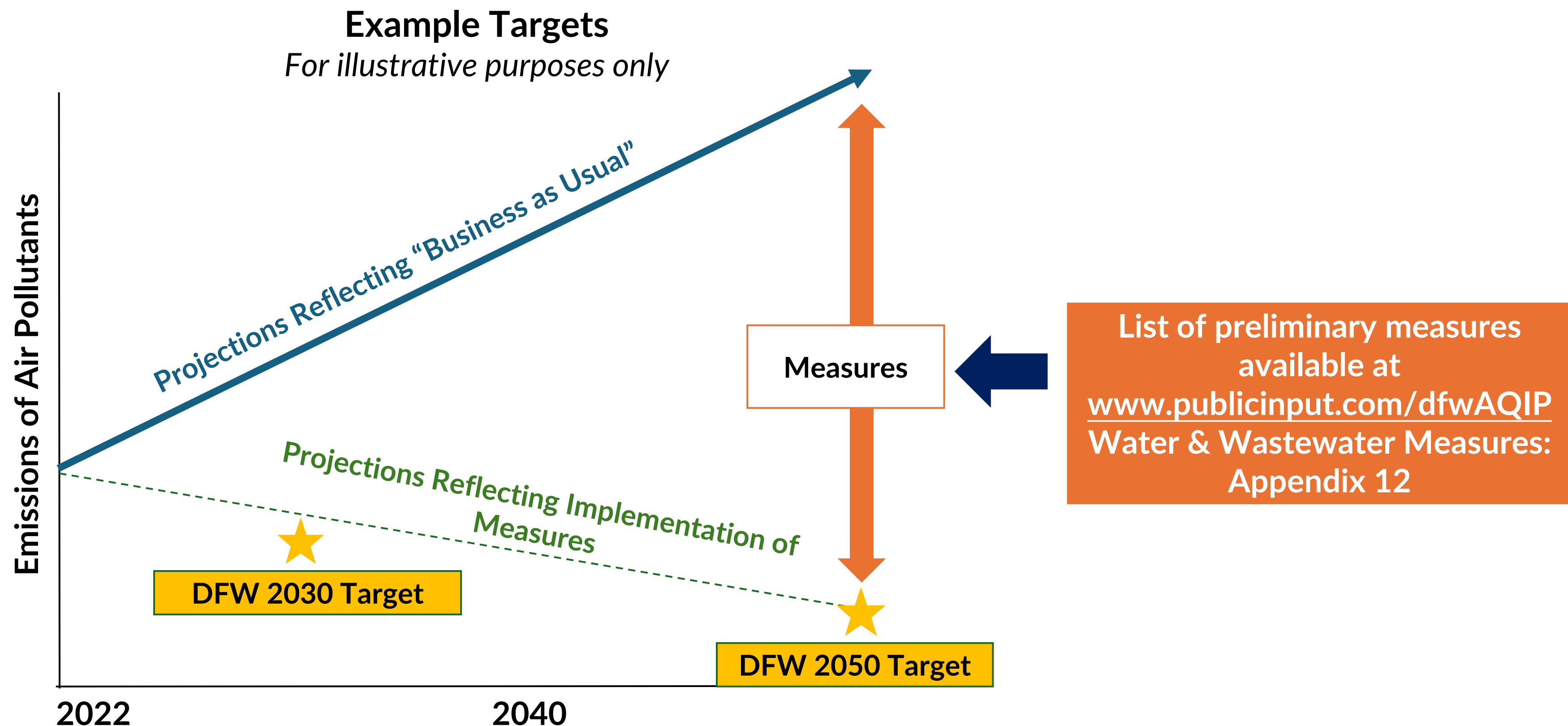
	Timeframe	Quantifiable Emissions Reductions?*	Sectors	Funding Analysis	Cost Estimates	Tracking Metrics	Implementing Agencies	Other Requirements
PAP	2025-2030	Yes	Priority Sectors Only	No	No	Yes	Yes	N/A
CAP	2025-2050	Yes	All Sectors	Yes	Yes	Yes	Yes	Be <b>specific enough</b> to implement and measure  <b>Support Targets for CAP**</b>

*\*Efforts which are necessary to undertake to achieve a measure but do not result in direct emission reductions (ex: workforce development) can be “bundled” with a measure.*

*\*\*Targets should be **actionable, ambitious, achievable***



# How: Projections, Targets, and Measures



# DFW AQIP: CAP Draft Water & Wastewater Measures

Measures	Projects	Related Goals/Targets	Potential 2030/2050 Targets	Barriers to Achieving Targets
Implement Nature-based Stormwater Management	<ul style="list-style-type: none"><li>• Provide Economic Rebates for Green Infrastructure and Water Efficient Landscaping</li><li>• Update Local Policy, Codes, Drainage Criteria, and Ordinances</li><li>• Install Smart Controls and Sensors to LID and Green Infrastructure to Analyze and Quantify Stormwater Collection Efforts</li><li>• Restore, Protect and Maintain Riparian Corridor</li><li>• Augment Stormwater Detention Basin Storage</li></ul>	<ul style="list-style-type: none"><li>• Integrating Transportation and Stormwater Infrastructure Study</li><li>• TWRI's Urban Riparian &amp; Stream Restoration Program</li></ul>	TBD	<ul style="list-style-type: none"><li>• Funding</li><li>• Lack of Infrastructure</li><li>• Staffing/Workforce Shortages</li></ul>
Update Stormwater & Wastewater Conveyance Infrastructure	<ul style="list-style-type: none"><li>• Install Smart Manhole Covers</li><li>• Utilize Trenchless Pipe Rehabilitation</li></ul>		TBD	<ul style="list-style-type: none"><li>• Funding</li><li>• Lack of Infrastructure</li><li>• Staffing/Workforce Shortages</li></ul>
Address On-site Sewage Facility Systems	<ul style="list-style-type: none"><li>• Identify and Repair Aging or Failing On-site Sewage Facility Systems</li><li>• Provide Sanitary Sewage Upgrades in Developing Areas with Existing On-Site Sewage Facility Systems</li><li>• Provide Finacial Rebates to Upgrade OSSF</li></ul>	<ul style="list-style-type: none"><li>• TRA OSSF Remediation Program</li><li>• NCTCOG Water Quality Management Plan</li></ul>	TBD	<ul style="list-style-type: none"><li>• Funding</li><li>• Lack of Infrastructure</li><li>• Staffing/Workforce Shortages</li></ul>
Potential “bundled” projects that are essential to achieving measures but don’t provide emission reductions includes: Outreach and education, studies/research, infrastructure development, and workforce development				



# DFW AQIP: CAP Draft Water & Wastewater Measures

Measures	Projects	Related Goals/Targets	Potential 2030/2050 Targets	Barriers to Achieving Targets
Improve Water & Wastewater Treatment Process Efficiency	<ul style="list-style-type: none"> <li>Benchmark Utility Energy Consumption Using Energy Star Portfolio Manager or Similar Tools</li> <li>Develop Strategic Energy Management and Conservation Plan for Water Utilities</li> <li>Update Aging Water/Wastewater Treatment Plant Infrastructure</li> <li>Increase On-Site Renewable Energy on Water/Wastewater Treatment Plant Sites</li> <li>Install Water-Source Heat Pumps at Water- and Wastewater Treatment Plants</li> <li>Support Bio-Gas Capture &amp; Reuse in Wastewater Treatment Plants</li> <li>Reduce Chemical Use Affecting Effluent Reuse Options</li> </ul>	<ul style="list-style-type: none"> <li>2026 Region C Water Plan</li> <li>Clean Water State Revolving Fund</li> <li>NCTCOG Water Quality Management Plan</li> </ul>	TBD	<ul style="list-style-type: none"> <li>Funding</li> <li>Lack of Infrastructure</li> <li>Staffing/Workforce Shortages</li> </ul>
Support Effluent Reuse	<ul style="list-style-type: none"> <li>Implement Methods for Non-Potable Water Reuse</li> </ul>	<ul style="list-style-type: none"> <li>2026 Region C Water Plan</li> </ul>	TBD	<ul style="list-style-type: none"> <li>Funding</li> <li>Lack of Infrastructure</li> <li>Staffing/Workforce Shortages</li> </ul>
<b>Potential “bundled” projects that are essential to achieving measures but don’t provide emission reductions includes: Outreach and education, studies/research, infrastructure development, and workforce development</b>				



# DFW AQIP: CAP Draft Water & Wastewater Measures

Measures	Projects	Related Goals/Targets	Potential 2030/2050 Targets	Barriers to Achieving Targets
Improve Bio-Solids Management	<ul style="list-style-type: none"> <li>• Convert Biosolids from Wastewater Treatment into Bio-char</li> <li>• Divert Biosolids from Wastewater Treatment into Waste-to-Energy Facilities</li> </ul>		TBD	<ul style="list-style-type: none"> <li>• Funding</li> <li>• Lack of Infrastructure</li> <li>• Staffing/Workforce Shortages</li> </ul>
Improve Local Water Conservation	<ul style="list-style-type: none"> <li>• Utilize Automated Metering Infrastructure (Water Meters)</li> <li>• Conduct a Study on Regional Aquifer Storage and Recovery Potential</li> <li>• Develop Aquifer Protection and Land Preservation Efforts</li> <li>• Implement Building-Scale Rainwater Harvesting for Commercial and Municipal Buildings</li> <li>• Establish Property Water Conservation Audits and Smart Water Rebate Programs</li> <li>• Implement Municipal and Commercial Irrigation Repair Programs</li> </ul>	<ul style="list-style-type: none"> <li>• 2026 Region C Water Plan</li> </ul>	TBD	<ul style="list-style-type: none"> <li>• Funding</li> <li>• Lack of Infrastructure</li> <li>• Staffing/Workforce Shortages</li> </ul>
<b>Potential “bundled” projects that are essential to achieving measures but don’t provide emission reductions includes: Outreach and education, studies/research, infrastructure development, and workforce development</b>				



# Discussion: Water & Wastewater Measures

What is a target for the measures that are actionable, achievable, and ambitious?

What are barriers to achieving the targets?

Are there other regional or local goals we should consider when developing targets?

*EX: an entity already has a commitment to adopt zero-emission vehicles by 2030 and therefore should not be counted as part of the DFW AQIP target.*

Dallas-Fort Worth Air Quality  
Improvement Plan Water &  
Wastewater Feedback Survey





# DALLAS-FORT WORTH **AIR QUALITY** IMPROVEMENT PLAN

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

**Information available at**

[www.publicinput.com/dfwAQIP](http://www.publicinput.com/dfwAQIP)

**Interested in joining stakeholder group? Submit a [letter of support](#)**

**Water & Wastewater Survey Available Online:**

<https://forms.office.com/r/6hBvz7UPes>



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# NCTCOG Updates

## Total Maximum Daily Load

- Now available: [2024 TMDL Annual Program Summary](#)

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# NCTCOG Updates

## 25<sup>th</sup> Annual Public Works Roundup

- Thursday, September 4, 2025
- Hurst Convention Center
- [Registration is now open](#)



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# NCTCOG Updates

## NCTCOG Webinar: *Community Drought Planning*

- Monday, July 14, 2025; 1:00 p.m.
- Virtual, via Microsoft Teams
- [Register here](#)

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# NCTCOG Updates

NCTCOG Webinar: *The Future of Water: 89th Texas Legislative Session Wrap-Up.*

- Monday, August 18, 2025; 10:00 a.m.
- Virtual, via Microsoft Teams
- [Register here](#)

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# Future Agenda Items

- The WRC can present future agenda items & discuss the priority and format of previously requested items.
  - Don't forget to sign up to share at the PFAS Roundtable during the October 15, 2025 meeting.
  - [Water Resources Council PFAS Roundtable Sign-Up](#)





# Roundtable

The WRC is invited to share what is happening in their communities.

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# Next Meeting

Wednesday, October 15, 2025

- 10:30 AM – 12:30 PM
- In person at NCTCOG Offices
- [Add to Calendar](#)



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