

Water Resources Council (WRC)

April 12, 2023



North Central Texas Council of Governments
Environment
& Development

www.nctcog.org/WaterResources

Procedures for Online Meeting

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

Water Resources Council

April 12, 2023

1. Welcome and Introductions

- Thank you for attending!
- WRC Member Roll Call
- Guest Introductions

Action Item

2. Meeting Summary

The [January 10, 2023 meeting summary](#) will be presented for approval.

Presentation

3. State and Regional Water Planning Highlights.

Kevin Smith, Planner
Texas Water Development Board

Abbie Gardner, P.E., Water Resources Engineer
Freese and Nichols, Inc.

State and Regional Water Planning Highlights

April 12, 2023

NCTCOG Water Resources Council Meeting

Activities to Date

1. RWP Contract

- Executed 7/14/2021 between Trinity River Authority and TWDB.
- Amended 10/17/2022 to include anticipated total project cost, full scope of work, and updated contract guidance documents.

2. RWP Rules Update

- TWDB Board adopted amendments 4/11/22 to regional water planning rules (31 TAC Chapter 357) and state water planning rules (31 TAC Chapter 358).
- Key changes:
 - documentation of interregional coordination;
 - identification of infeasible WMSs and WMSPs in technical memo;
 - infrastructure financing analysis and WMSP prioritization removed;
 - allowances for certain limited costs associated with delivery of water for direct reuse and conservation WMSs;
 - minor amendments to include an increase in unmet needs or new unmet needs if the amendment is the result of removing infeasible WMSs or WMSPs;
 - allowance is made for RWPGs to adopt errata to a final RWP to correct minor errors identified after adoption of the final RWP but prior to adoption of the corresponding State Water Plan; and
 - clarification provided that RWPGs may, at the discretion of the RWPG, plan for drought conditions worse than the drought of record.

Activities to Date (cont.)

3. Pre-Planning Meeting

- Region C pre-planning meeting held 11/1/2021. Required prior to any technical work can begin.
- No public input or comments on issues to be addressed or provisions included in 2026 RWP were received.
- Identified WMSs that may create collaboration and cooperation with other regions.
- Identified process for conducting interregional coordination (consultant coordination, region liaisons).

4. Interregional Planning Council

- Meetings held 11/9/22 and 3/9/23, next meeting 5/30/23.
- Surveys sent to RWPGs on recommendation implementation and IPC prioritization of recommendations.
- Additional resource materials on IPC site:
 - Status of 2021 RWP Policy Recommendations (document may be used by RWPGs to assist with SOW Task 8)
 - Active RWPG committees
 - Information on TCEQ membership
 - Voting membership costs
 - Liaison materials

Projections Timeline

Draft Water Demand Projections	Timeline
Livestock, Manufacturing, Steam-Electric Projections + Supporting Data	January 20, 2022
Water User Group List + Historical Population, Connections, Net Use, GPCD	March 16, 2022
DUE: RWPGs review WUG list + historical WUG data	July 29, 2022
Irrigation, Mining Projections + Supporting Data	August 23, 2022
Non-municipal Basin Splits	August 23, 2022
Population Projections + Plumbing Code Savings + Municipal Demand Projections	February 2023
DUE: RWPGs request revisions for non-municipal demand projections	July 14, 2023
DUE: RWPGs request revisions for population and municipal demand projections	August 11, 2023
TWDB Board Meeting to Adopt Projections	Fall 2023
DUE: Technical Memorandum	March 4, 2024

Non-Municipal Demands

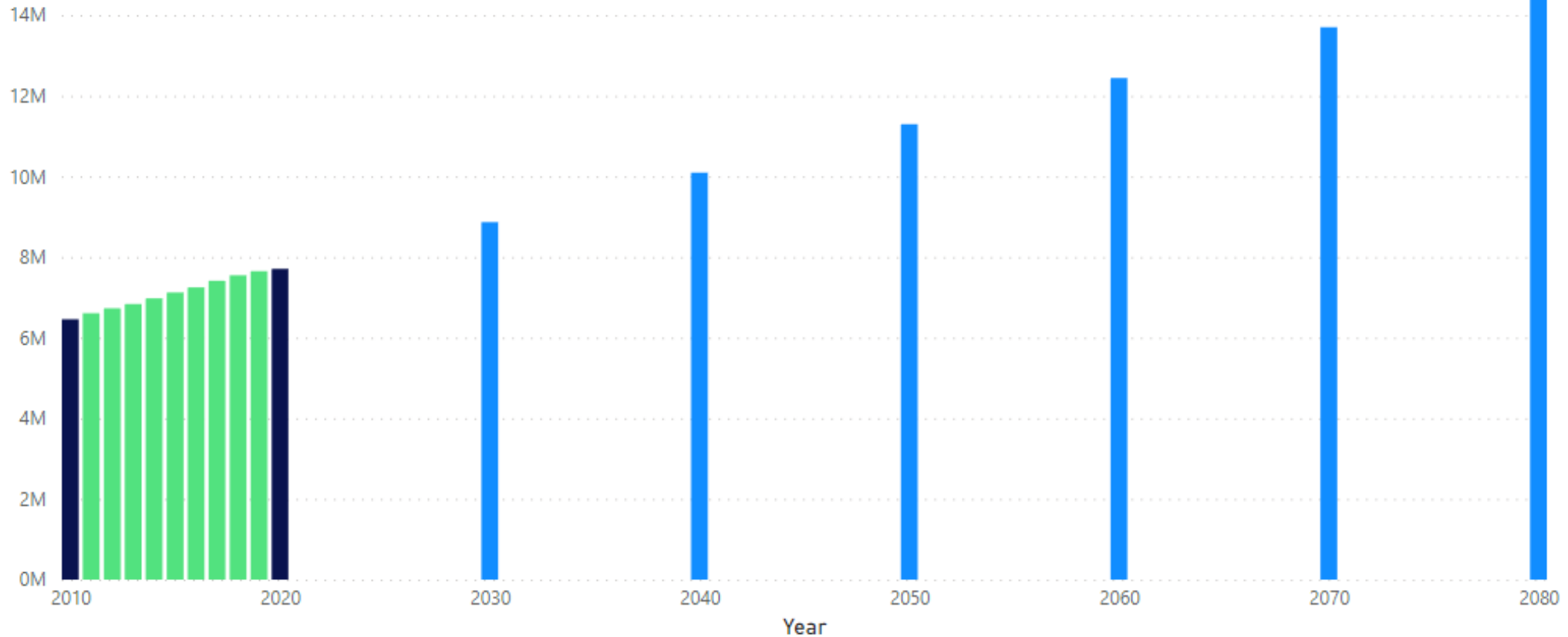
- Region C discussed submittal of following non-municipal demand revisions at 11/7/2022 RWPG meeting:
 - Irrigation
 1. Use maximum between TWDB draft projections and average historic water use during dry period 2010-2014.
 2. Account for water used during a dry period and any additional acreage added since last plan.
 - Steam Electric Power
 1. Use highest water use over past 10 years for each facility.
 2. Retired facilities, if retained water right for power generation, include 2/3 demand of water right.
 3. Add potential new facilities not included in draft projections.
 - Manufacturing
 1. Increase baseline with known new facilities to be operating in 2-5 years.
 2. Adjust for higher growth rate.
 3. Grayson County adjusted separately to incorporate large demands from two new facilities.
- No revisions were recommended for livestock or mining projections. The planning group approved submittal of irrigation and SEP revisions to TWDB. Manufacturing will be further discussed at next meeting.



Population and Municipal Demands

Historical and Draft Projected Population

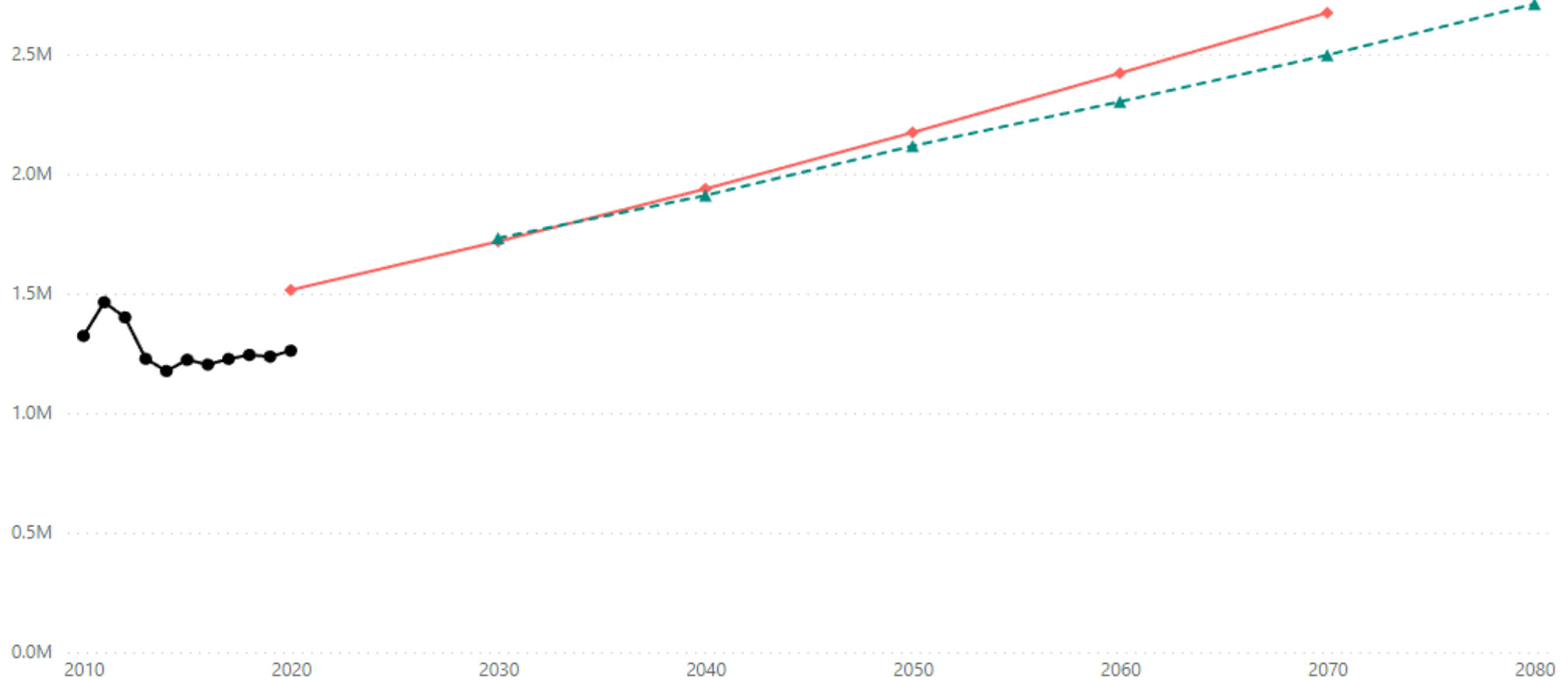
Dataset ● Annual Census Bureau Estimate ● Decennial Census ● TWDB Draft Projections



Population and Municipal Demands

Historical Net Use and Demand Projections (acft)

Dataset ● Water Use Survey Net Use ◆ 2022 State Water Plan ▲ TWDB Draft Projections



Population and Municipal Demands (cont.)

- Declines in population will be reflected in the draft population projections.
- 0.5 migration population scenario were initially provided to RWPGs only at the county level. TWDB has developed WUG projections using the 0.5 migration scenario. Region C received 0.5 scenario 3/9/2023.
- Last cycle, 2010-2017 NCTCOG county estimates were reviewed and compared to the 2010 Census and TWDB projected growth from 2020-2070.

Next Steps

- Technical Memorandum (3/4/2024)
 - Data reports for: population, demand, source availability, existing supply, needs/surplus, and WUG and source data comparison with 2021 RWP;
 - Process for determining potentially feasible WMSs and list of potentially feasible WMSs;
 - Copies of submitted hydrologic variance requests and approvals to date;
 - Documentation of the methodology utilized for calculating the anticipated sedimentation rate and revising the area-capacity rating curve;
 - Documentation of methodologies utilized for RWPG-estimated groundwater availabilities;
 - Summary of the region's interregional coordination efforts to date;
 - List of infeasible WMSs and WMSPs from the region's 2021 RWP, identified in or a statement that no infeasible WMSs or WMSPs were identified.

- Interregional Planning Council Report (3/4/2024)

Next Steps (cont.)

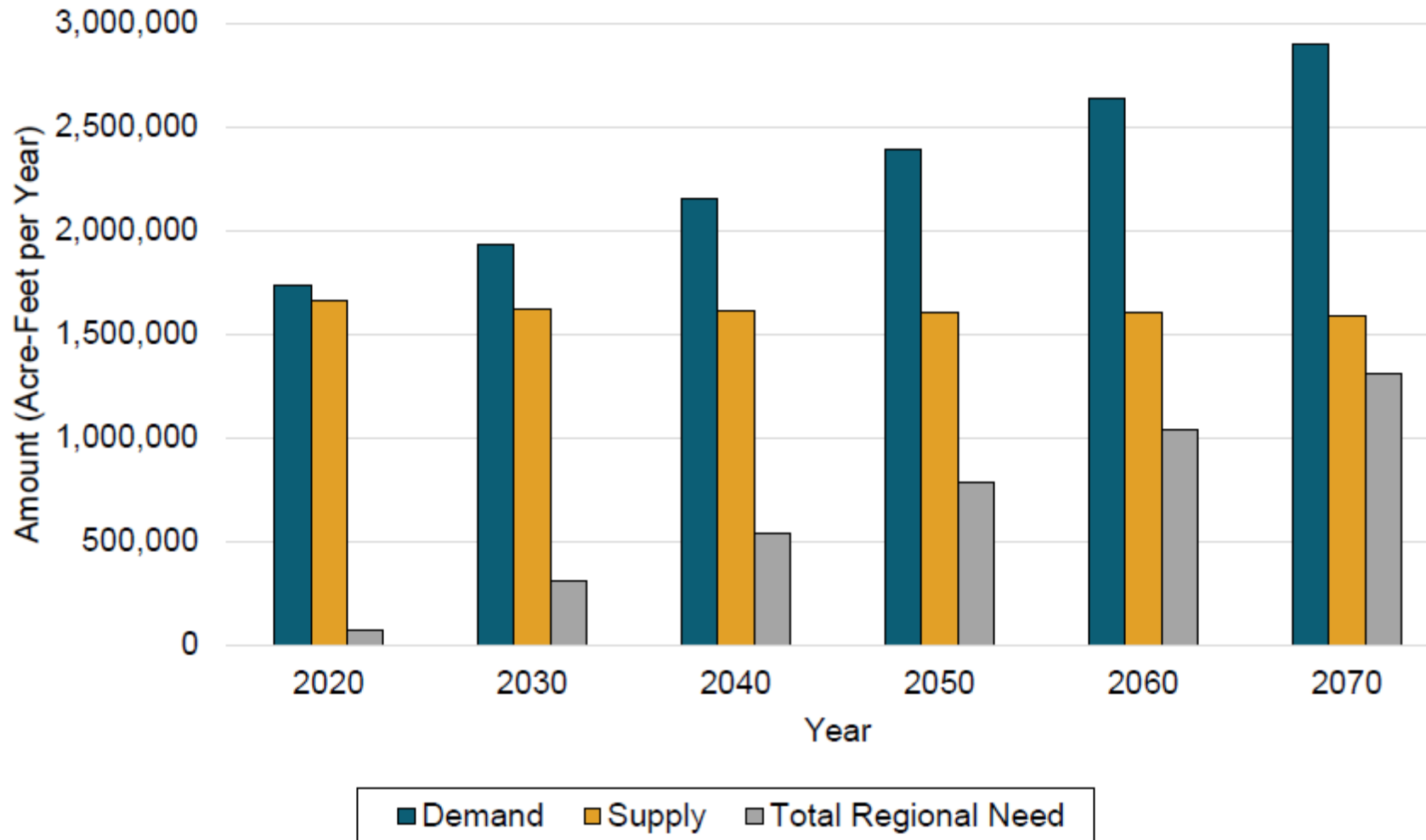
- RWP amendments to remove infeasible WMSs (6/5/2024)
 - Analysis completed prior to March 4, 2024 (Technical Memorandum due date)
 - If infeasible WMSs identified, planning groups must amend 2021 plans to:
 1. Remove infeasible WMS or WMSP,
 2. Revise infeasible WMS or WMSP to make feasible, and/or, and
 3. Incorporate new WMS or WMSP.
 - Planning groups should review strategies & projects that require a permit and/or involve construction and that:
 1. Shown to be online in 2020 or 2030.
 2. Related to new major reservoirs, seawater desalination, DPR, brackish groundwater, ASR, and out of state transfers.
 3. Generally require significant resources and time to implement.
- Initially Prepared Plan (3/3/2025)
- Final Regional Water Plan (10/20/2025)

Challenges

- Timeframe for reviewing draft population and municipal demand projections ~6 months.
- This planning cycle is relying on the 2020 Census, so revision requests will need to consider the most recent Census count.
- Declines in population will be reflected in the draft population projections.
- Region C has several interregional WUGs that will require coordination.

Challenges

Figure 4.2 Comparison of Connected Supply with Projected Demand by Decade for Region C



Questions?



Discussion

4. 88th Texas Legislative Session

Full NCTCOG Water Quality Legislative Matrix is available [HERE](#).

Bill Number	Author	Topic	Status
HB 570	Raymond	Relating to a study by the Texas Division of Emergency Management of the potential effects of droughts and wildfires in this state.	Referred to Homeland Security & Public Safety (2/23/23); Public Hearing on 3/28/23; Reported to Local & Consent Calendar; Recommended favorably without amendment(s) (3/30/23); Committee Report distributed (4/6/23).

Discussion - 88th Texas Legislative Session

Bill Number	Author	Topic	Status
HB 1845 (and companion SB 650)	Metcalfe	Relating to the licensing requirements for certain operators of wastewater systems and public water systems.	Referred to Natural Resources (3/7/23); Public Hearing on 3/21/23; Recommended to Local & Consent Calendar and Recommended favorably without amendment(s) (3/23/23); Committee Report distributed (3/29/23); Report sent to Local & Consent calendar (4/3/23).
HB 2757 (and companion SB 1047)	Tepper	Related to funding and activities of the Texas Produced Water Consortium.	Referred to Water, Agriculture, & Rural Affairs (3/3/23); Public Hearing on 3/13/23; Left pending.

Discussion - 88th Texas Legislative Session

Bill Number	Author	Topic	Status
HB 3165 (and companion SB 2485)	Holland/Rose/Gonzales, Mary/Bell, Cecil, Zwiener	Relating to the establishment, administration, and use of the land and water conservation fund and allocations and transfers of money to that fund, the economic stabilization fund, and the state highway fund	Referred to Natural Resources (3/15/23); Public Hearing and Committee substitute considered on 4/4/23. Left pending in committee.

Discussion - 88th Texas Legislative Session

Bill Number	Author	Topic	Status
HB 3990	Kacal, Price, Lalani	Relating to a study of existing surface water and groundwater interaction data.	Referred to Natural Resources (3/20/23); Public hearing on 3/28/23 and substitute considered; Public hearing on 4/4/23 and substitute considered: Reported favorably as substituted (4/4/23).
HB 4532 (and companions SB 2397 and SB 2540)	Kacal, Lalani, Price	Relating to the consideration of modeled sustained groundwater pumping in the adoption of desired future conditions in groundwater conservation districts.	Referred to Natural Resources (3/22/23); Public Hearing on 3/28/23; Public Hearing on 4/4/23; Reported favorably without amendment(s) and recommended to be sent to Local & Consent calendar (4/4/23).

Discussion - 88th Texas Legislative Session

Bill Number	Author	Topic	Status
HB 5016 (and companion SB 2541)	Kitzman	Relating to the establishment of the Water Technical Assistance Consortium by the Texas Water Development Board.	Referred to Natural Resources (3/23/23); Scheduled for public hearing on 4/11/23.
HJR 25	Zwiener	Proposing a constitutional amendment to authorize the legislature to exempt from ad valorem taxation the portion of the assessed value of a person's property that is attributable to the installation in or on the property of a rainwater harvesting or graywater system.	Referred to Ways & Means (2/28/23); Scheduled for public hearing on 4/10/23.

Discussion - 88th Texas Legislative Session

Bill Number	Author	Topic	Status
SB 28 (and companion HB 10)	Perry	Relating to financial assistance provided and programs administered by the Texas Water Development Board.	Referred to Water, Agriculture & Rural Affairs; Public hearing on 3/20/23; Reported favorably with substitutes; Amended; Passed Senate on 4/3/23; House received on 4/4/23.

Notes:

- Both the Speaker and Lt. Governor have named water funding a priority.
- Creates a new “Water for Texas Fund.”
- A special fund outside the general revenue fund.
- Funds may be used only to provide financial assistance to political subdivisions to develop water supply projects that create new water sources for the state.
- To finance projects that will lead to the acquisition or creation of seven million acre-feet per year of new water supplies by the end of 2033.
- The Senate budget bill has this legislation funded at \$1 billion, the House budget bill is at \$3 billion.
- Establishes a State Water Implementation Fund for Texas Advisory Committee to review the operation of the fund.

Discussion - 88th Texas Legislative Session

Bill Number	Author	Topic	Status
SJR 75 (and companions HJR 116 and HJR 130)	Tepper	<p>Proposing a constitutional amendment creating the Texas water fund to assist in financing water projects in this state.</p> <p>--To go to voters at an election to be held on November 7, 2023.</p>	<p>Referred to Water, Agriculture & Rural Affairs (3/7/23); Public hearing on 3/20/23; Reported favorably as substituted (3/21/23); Calendar; Amendments; Passed Senate on 4/3/23; House received on 4/4/23.</p>

Discussion

5. 2023 Update to the North Central Texas WQMP

- **Early May 2023** - Draft of the 2023 Update to the WQMP completed and internal review begins
 - Compiling new data, updating information and maps
- **Late May 2023** - 30-day public comment period begins
- **July 12, 2023** - WRC considers the 2023 WQMP for approval.

Discussion

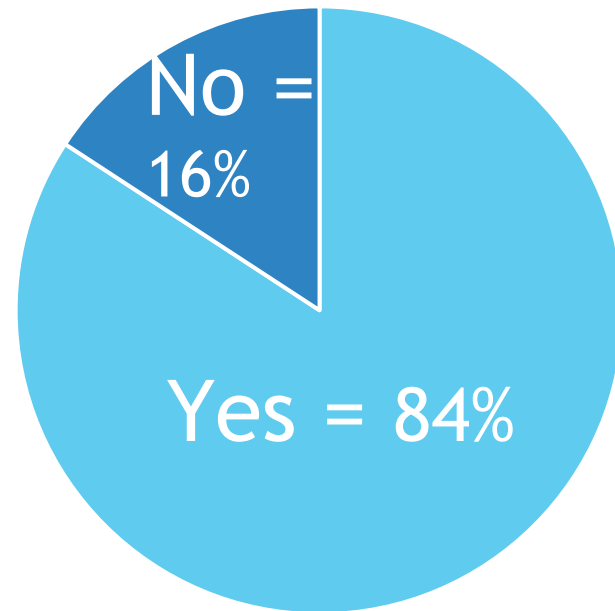
6. 2023 Water Resources Questionnaire Results

- January 30 to March 10, 2023
- Distributed to water resource professionals in NCTCOG region
- 58 total responses

Discussion

6. 2023 Water Resources Questionnaire Results

Does your entity engage in outreach on water resource topics?

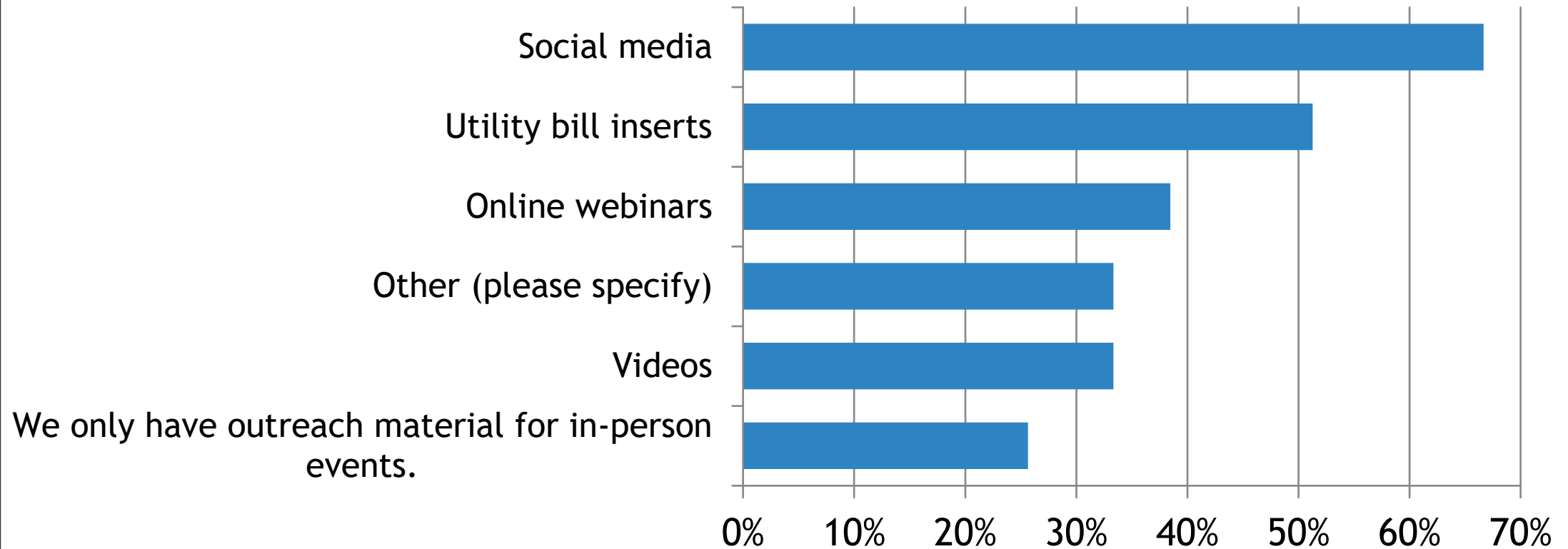


Total responses = 57

Discussion

6. 2023 Water Resources Questionnaire Results

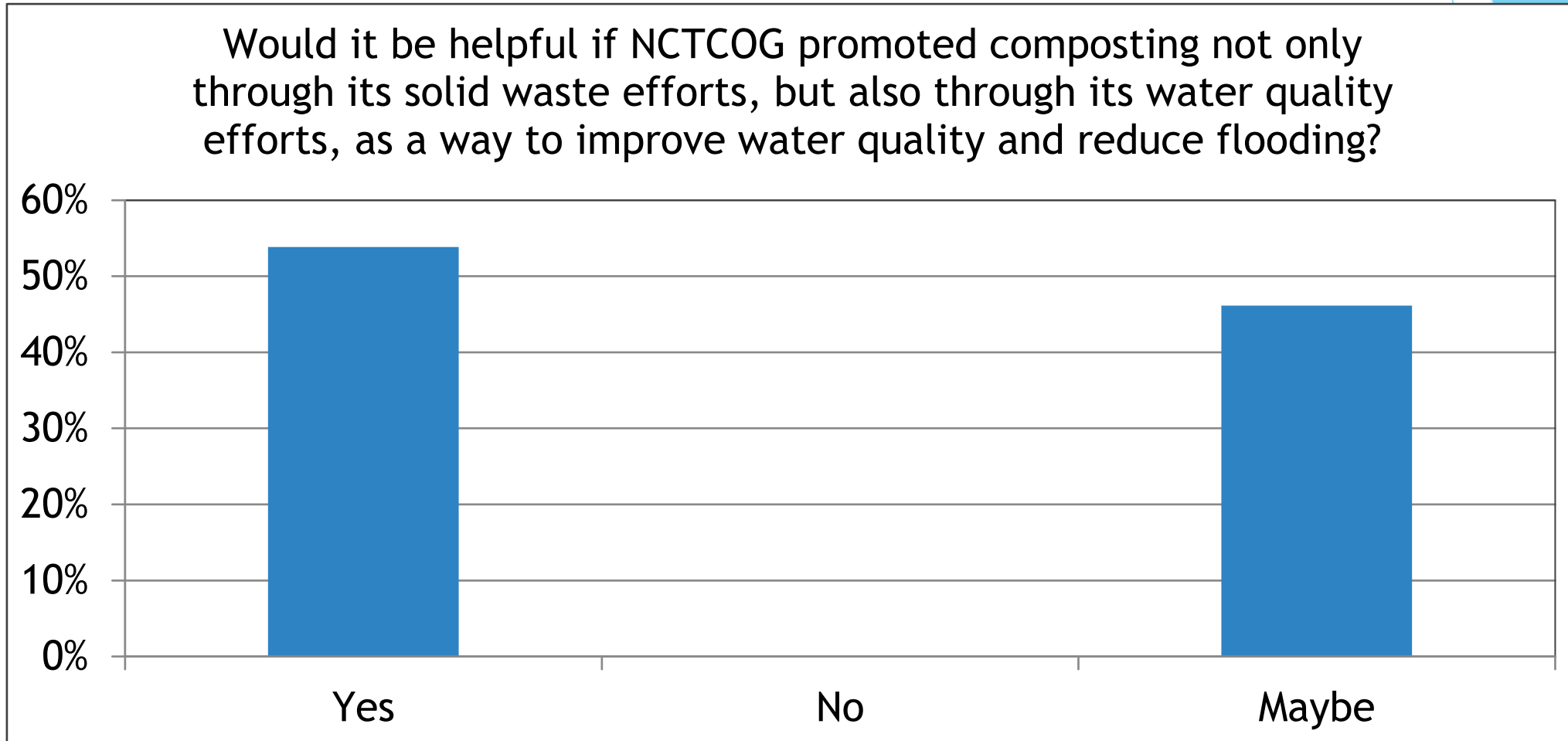
What have you found to be the best way to reach your outreach audience outside of in-person events? (Please check all that apply.)



Total responses = 39

Discussion

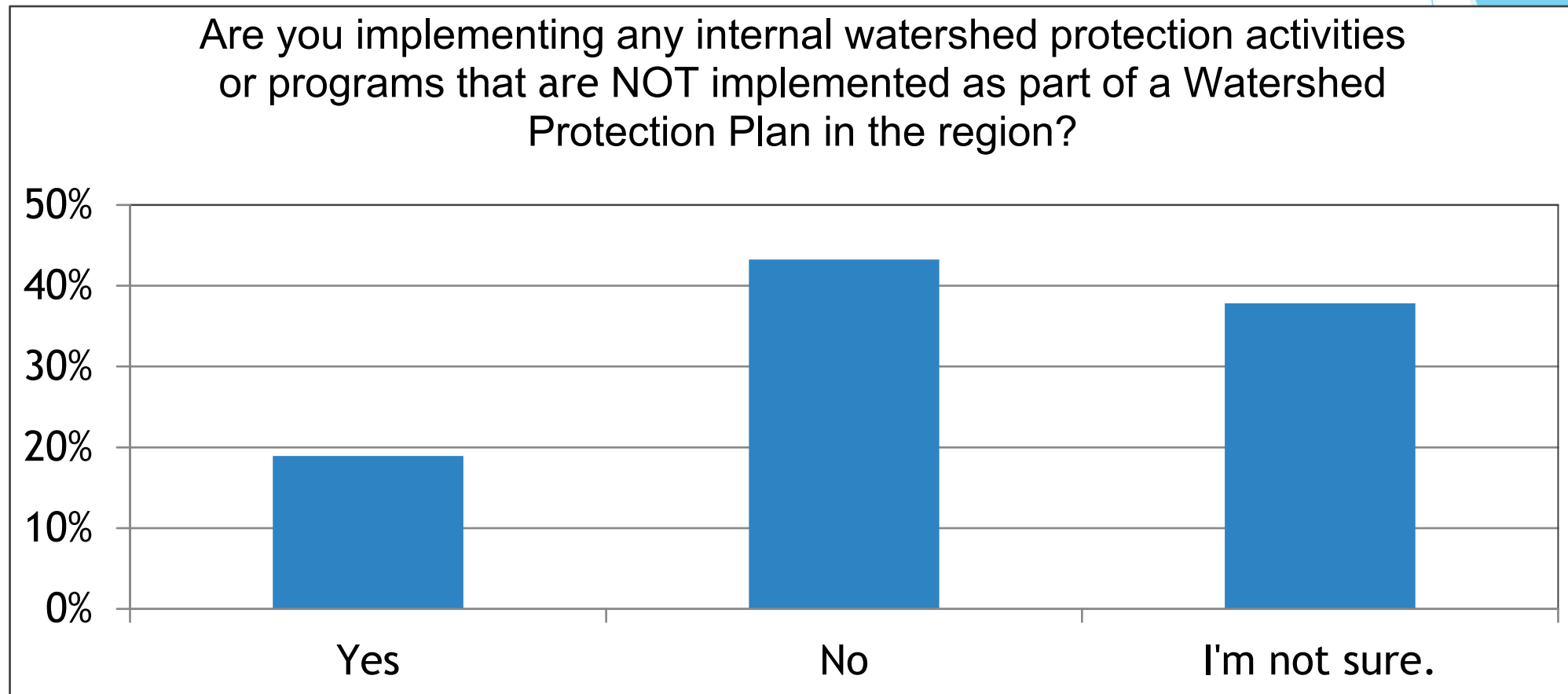
6. 2023 Water Resources Questionnaire Results



Total responses = 39

Discussion

6. 2023 Water Resources Questionnaire Results

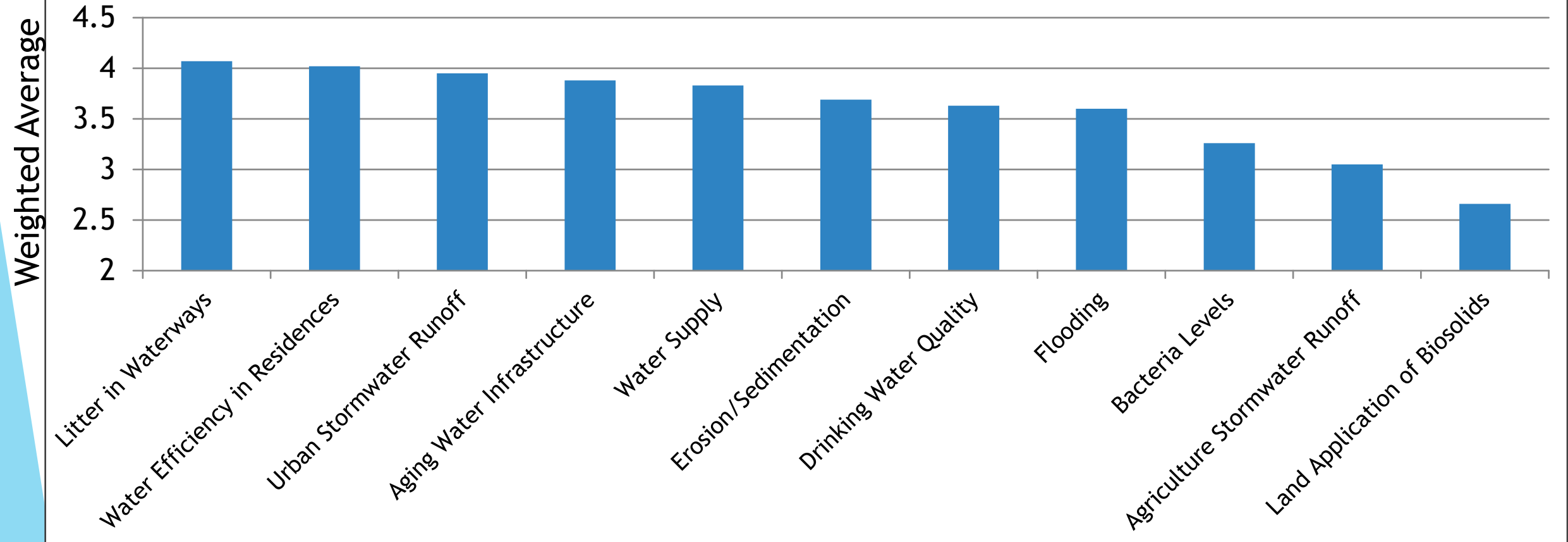


Total responses = 37

Discussion

6. 2023 Water Resources Questionnaire Results

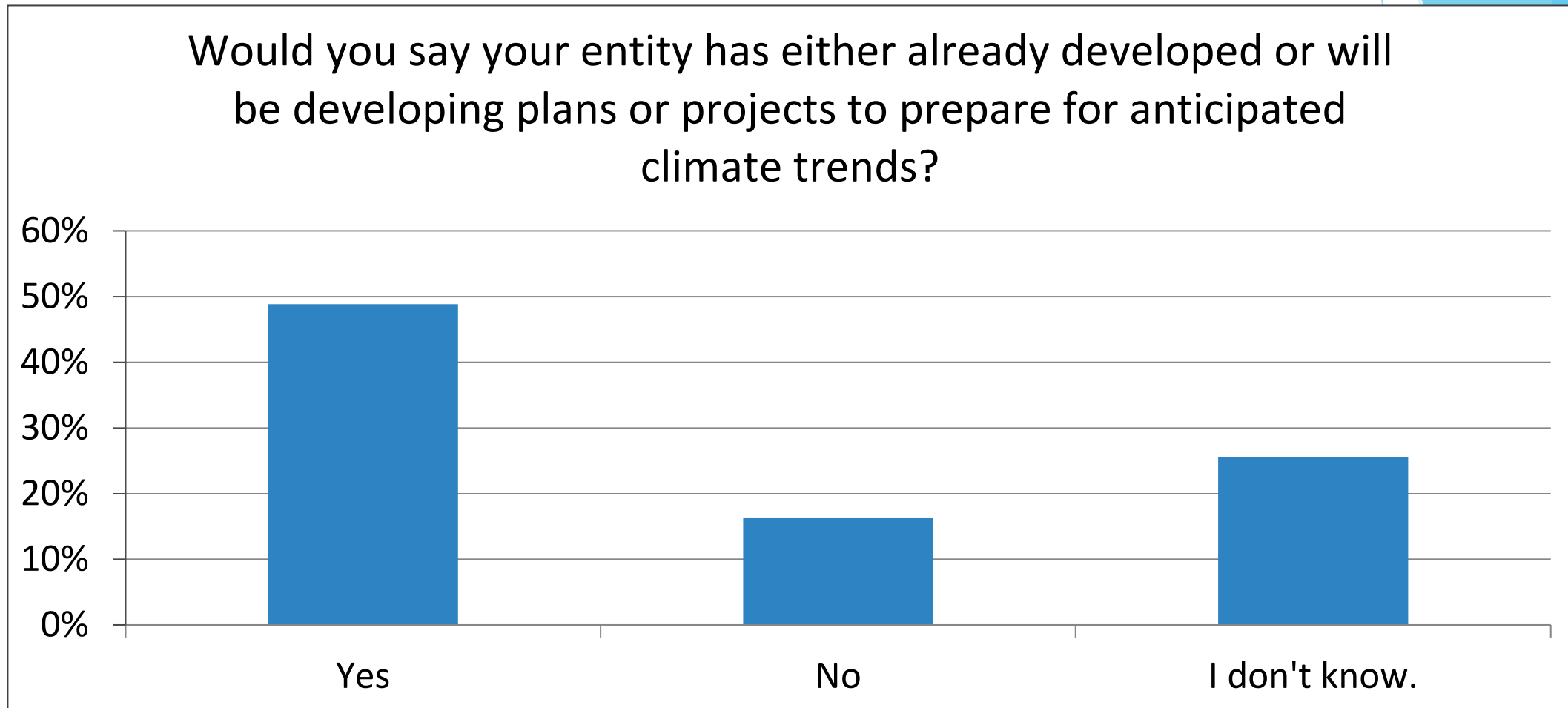
Please rate your level of concern regarding each of the water quality issues listed below. (1 = low concern, 5 = high concern)



Total responses = 39

Discussion

6. 2023 Water Resources Questionnaire Results



Total responses = 43

Discussion

6. 2023 Water Resources Questionnaire Results

What information could NCTCOG provide at a workshop or webinar that would be useful for preparing for future, anticipated weather trends?

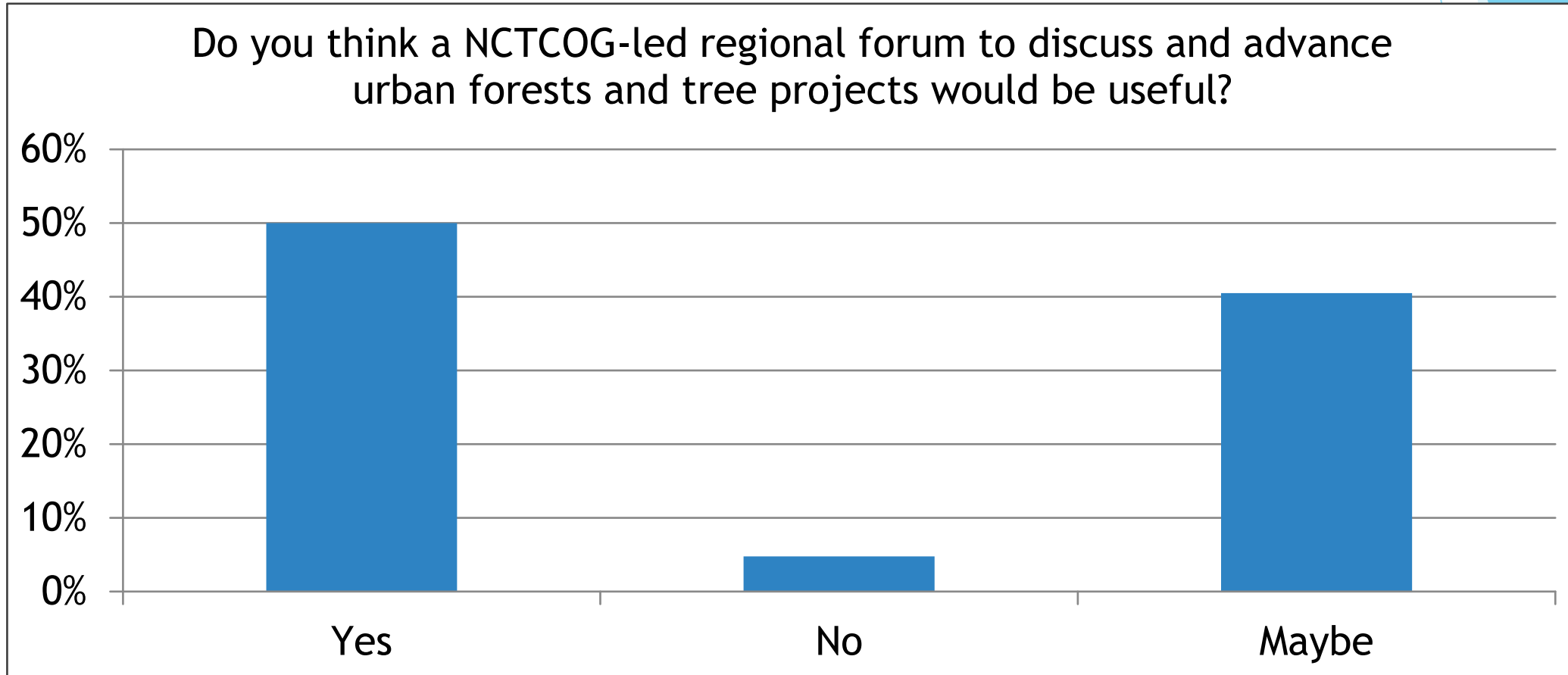
Common Themes:

- Flooding preparations/Emergency management
- Resilient infrastructure
- Information on other city's sustainability plans
- Information on how best to communicate with the public on climate, i.e. without creating polarization

Total responses = 32

Discussion

6. 2023 Water Resources Questionnaire Results



Total responses = 42

Other Business and Roundtable Discussion

7. NCTCOG Updates

- a. [NCTCOG's Integrated Transportation and Stormwater Infrastructure Project](#)

NCTCOG Staff Contact: Kate Zielke, kzielke@nctcog.org.



Stakeholder Meetings

- Transportation and Stormwater Infrastructure planning study
- Addresses increasing flooding in the face of rapid development and intense rain events
- Integrates transportation, stormwater, and environmental planning

April 25-Burleson

10 a.m.

Burleson City Hall
141 W. Renfro Street
Burleson, TX 76028

May 4-Weatherford

10 a.m.

Weatherford College:
Workforce & Emerging
Technologies Building
225 College Park Drive
Weatherford, TX 76086

April 26-Decatur

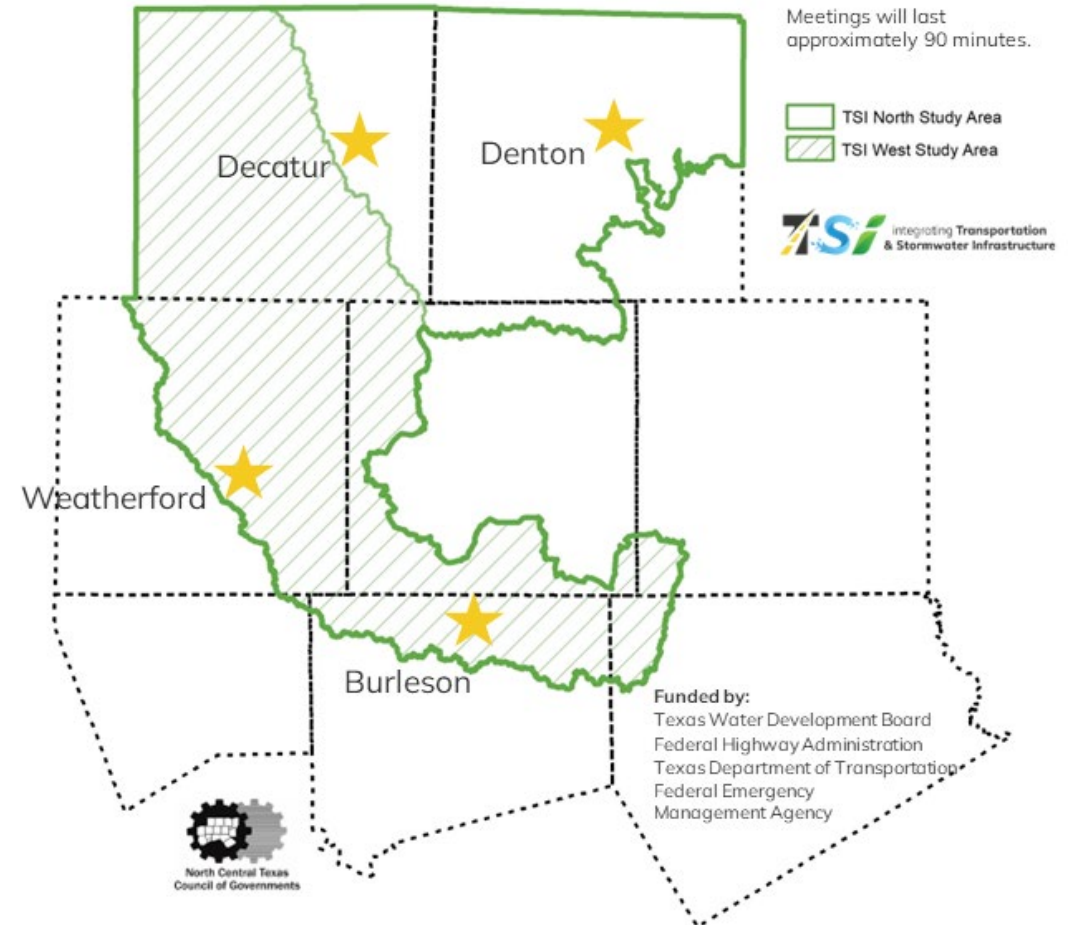
1:30 p.m.

Decatur Conference Center-
Chisholm Suites
2010 W. HWY US 380
Decatur, TX 76234

May 8-Denton

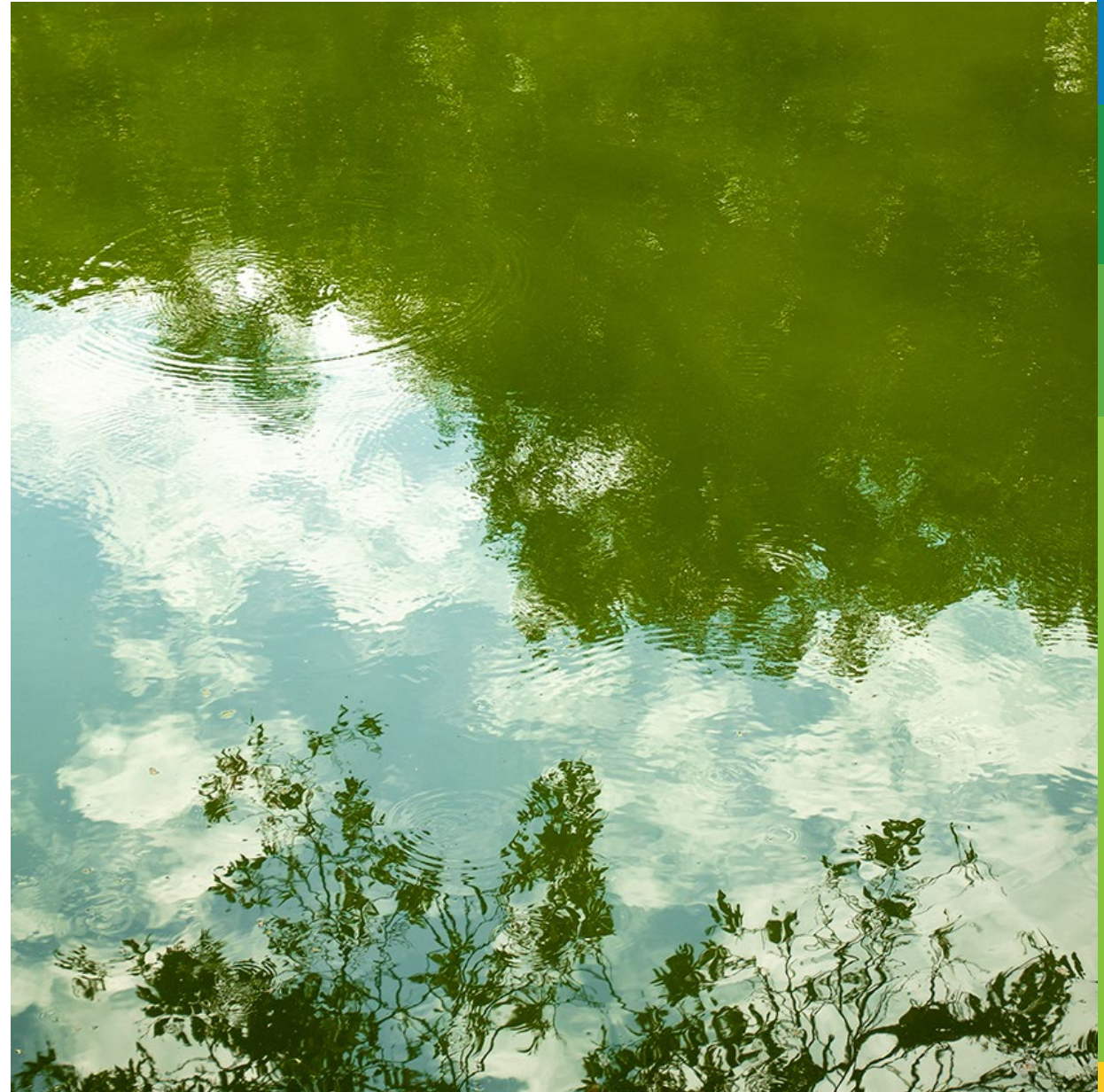
1:30 p.m.

Denton County
Administrative Court House
1 Courthouse Drive
Denton, TX 76208



Introduction to Green Asset Management

- Hybrid workshop from EPA and City of Denton
- Green infrastructure maintenance needs
- Asset management documentation
- City of Denton experience
- Site visit
- How green infrastructure complements NCTCOG's TSI study and iSWM program
- Tuesday, **May 16**, NCTCOG Pitstick Conference Room (or via Teams), 9 a.m. to 3 p.m.
- **Registration and Teams link will be available on NCTCOG Events page, <https://www.nctcog.org/envir/Events>**



Other Business and Roundtable Discussion

7. NCTCOG Updates

b. NCTCOG's Solid Waste Grant Program's Call for Projects.

- [NCTCOG's Solid Waste Grants webpage](#)

NCTCOG Staff Contact: Hannah Allen, hallen@nctcog.org

Solid Waste Grant Funding Coming Soon!

NCTCOG is funding materials management projects in the 16-county North Central Texas region.



Applications Accepted
April 11 – May 31, 2023

Information on eligibility, available funding, and the application process can be found online at www.nctcog.org/solidwastegrants

For questions, please contact Hannah Allen at hallen@nctcog.org or (817) 695-9215

Solid Waste Grant Eligibility Guidelines*

► Eligible Applicants:

- Cities
- Counties
- Public and Independent School Districts
- General and special law districts with solid waste authority

► Eligible Project Categories:

- Local Enforcement
- Source Reduction and Recycling
- Household Hazardous Waste
- Litter and Illegal Dumping Programs
- Citizens' Collection Stations and "Small" Transfer Stations
- Local Solid Waste Management Plans
- Technical Studies with a Regional Scope/Impact
- Educational and Training Projects

*More information on eligibility and other requirements available in the [Grant Application Guidelines](#)

The link to application can be found on [NCTCOG's Solid Waste Grants webpage](#).

Other Business and Roundtable Discussion

7. NCTCOG Updates (con't)

c. Total Maximum Daily Load Program Updates

- [NCTCOG's TMDL Committees and TMDL Webpage](#)
- Staff contact: Hannah Allen, hallen@nctcog.org



Other Business and Roundtable Discussion

7. NCTCOG Updates

d. Wastewater and Treatment Education Roundtable

- Next [WATER](#) Meeting. Tuesday, April 25, 2023, 10:00 a.m. **In-person** at NCTCOG Offices. [Add to Calendar](#)
- NCTCOG staff contact: Hannah Allen, hallen@nctcog.org

Other Business and Roundtable Discussion

8. Future Agenda Items

The WRC can request future agenda items.

9. Roundtable

Other Business and Roundtable Discussion

10. Next Meeting

Wednesday, July 12, 2023 - [Add to Calendar](#) (In-Person)

10:30 a.m. - 12:30 p.m.

Meetings for Remainder of 2023:

- Wednesday, October 11, 2023 – Online [Add to Calendar](#)

11. Adjournment

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