Water Resources Council (WRC)

January 10, 2024

North Central Texas Council of Governments
Environment & Development

www.nctcog.org/WaterResources

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.

Water Resources Council

1. Welcome and Introductions

- WRC attendance by roll call
- Welcome guests
- Thank you all for attending!

Action Item

2. Meeting Summary

The October 11, 2023 meeting summary will be presented for approval.

Presentations

3. Best Practices in Water Conservation

Jason Pierce, Manager of Governmental Affairs and Communications, Upper Trinity Regional Water District, will share on water conservation through the District's irrigation system check-up program

Sprinkler Check-Ups for Outdoor Water Savings



North Central Texas Council of Governments
Water Resources Council

January 10, 2024

UPPER TRINITY
REGIONAL WATER DISTRICT


UPPER TRINITY
REGIONAL WATER DISTRICT


Do you water the lawn like this?
UPPER TRINITY
REGIONAL WATER DISTRICT



UPPER TRINITY
REGIONAL WATER DISTRICT

As North Texas continues to grow . . .







UPPER TRINITY
REGIONAL WATER DISTRICT


2005-06 Drought



2007 Flood

Sprinkler Check-Ups

- **Program Started in 2017**
- **Licensed irrigator inspects sprinkler system with resident present**
- **Free to residents**
- **Completed 400 per year for last 2 years**





UPPER TRINITY
REGIONAL WATER DISTRICT

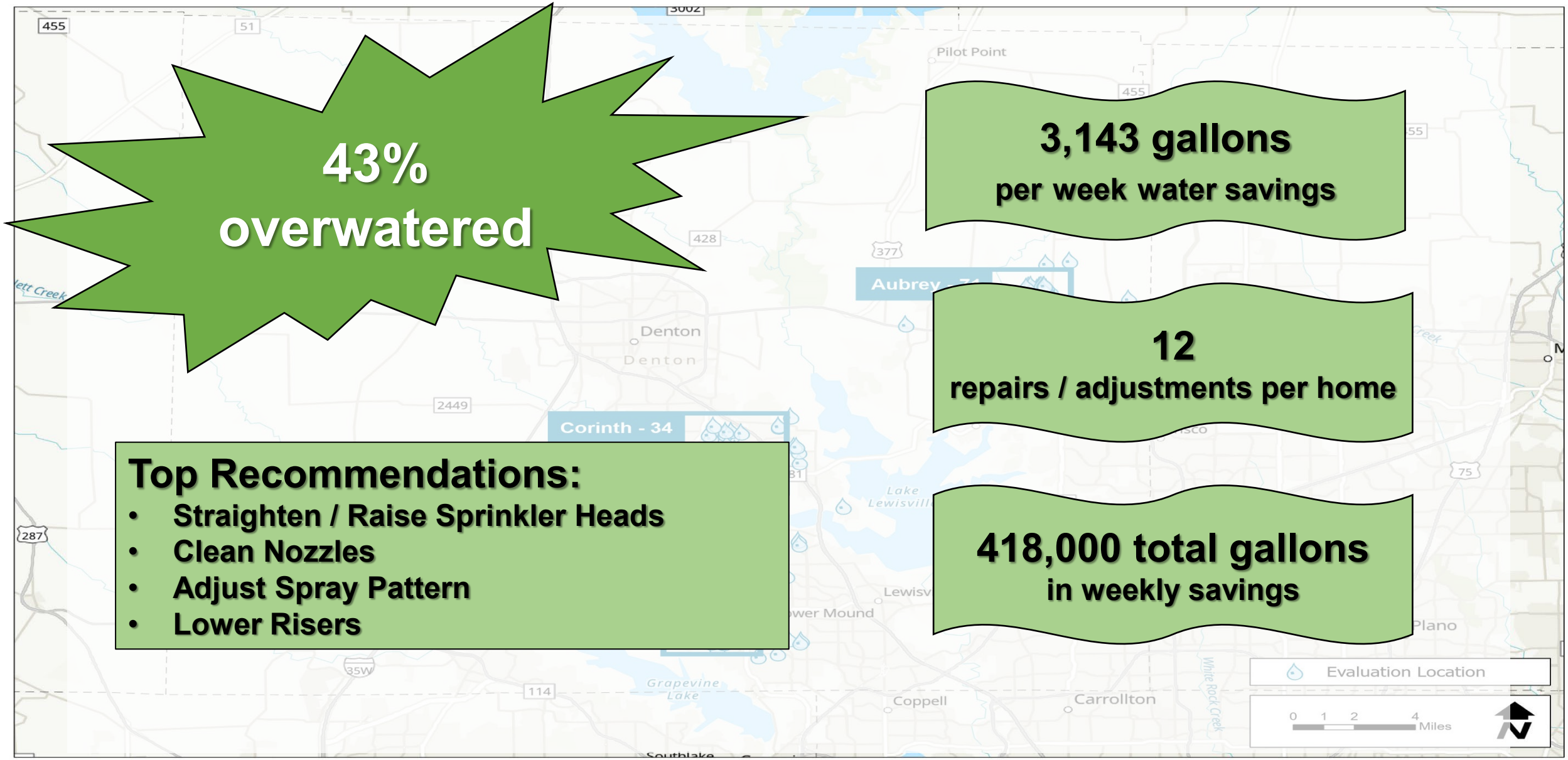
Sprinkler Check-ups

Written Report:

- ✓ **Recommended repairs or adjustments**
- ✓ **Controller settings**
- ✓ **Estimated water savings**



UPPER TRINITY
REGIONAL WATER DISTRICT



Irrigation System Evaluations - 2023

Locations Evaluated: 372

UPPER TRINITY REGIONAL WATER DISTRICT

© 2023 UTRWD
Date: 11/21/2023
Author: canderton
Doc: 20230310MTS1

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Wait . . . There's More!



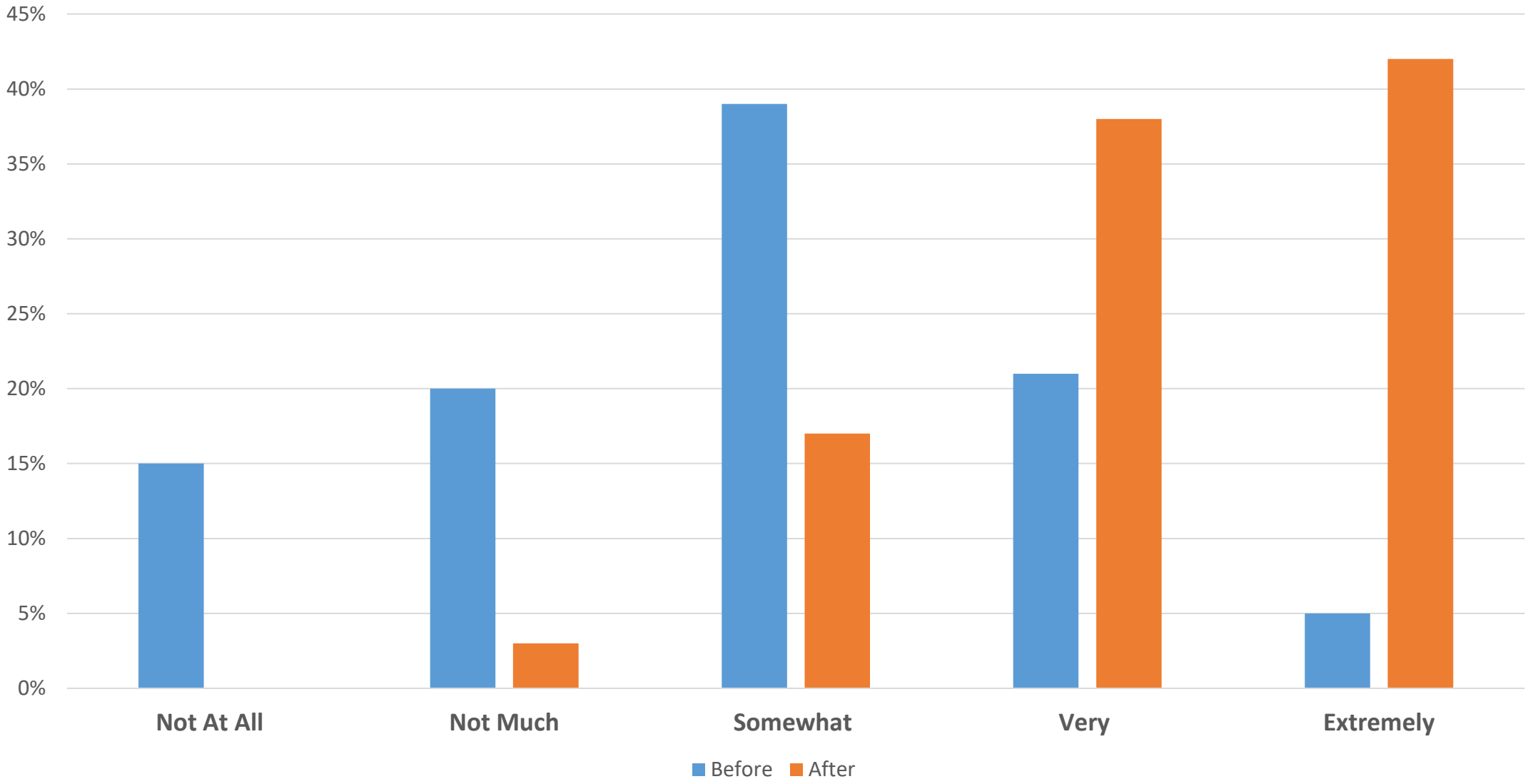
45% <u>watering more</u> than 2 days per week



52% had <u>operational rain / freeze</u> sensors

UPPER TRINITY
REGIONAL WATER DISTRICT

How Much Do You Know?



UPPER TRINITY
REGIONAL WATER DISTRICT

Education & Outreach Are Key!







UPPER TRINITY
REGIONAL WATER DISTRICT

Questions?



Jason Pierce

972-219-1228 • jpierce@utrwd.com

UPPER TRINITY
REGIONAL WATER DISTRICT

Presentations

4. Tarrant Regional Water District's Recognized Water Conservation Program Efforts

Dustan Compton, Conservation Manager, Tarrant Regional Water District, will share how his organization won the 2023 EPA WaterSense Award.

WATER SUPPLY · FLOOD PROTECTION · RECREATION

Tarrant Regional Water District's Recognized Water Conservation Program Efforts

Dustan Compton, Conservation Manager

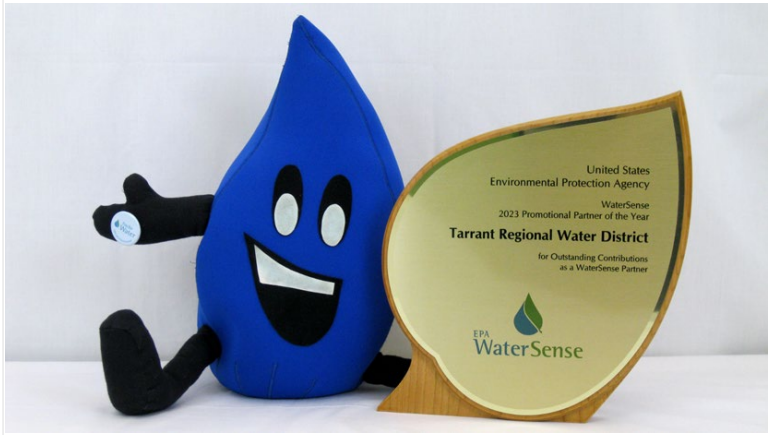
dustan.compton@trwd.com

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2023 Conservation Recognition





- TCEQ Texas Environmental Excellence Water Conservation Award Finalist – Learn & Grow Program
- TWDB 2023 Texas Rain Catcher Award – TRWD Rain Barrel Education & Scholarship Fundraiser
- Texas Section AWWA Water Conservation and Reuse Awards
  - Lake Arlington Native Plant and Pollinator Garden
  - Save Tarrant Water Landscape Consultation Program
- 2023 Silver Telly Awards for 2022 Water is Awesome TV
- EPA WaterSense Promotional Partner of the Year Award

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EPA WaterSense Program

Look for label on water-efficient products

Become a WaterSense Partner

Promote the brand and use their resources



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WATER SUPPLY · FLOOD PROTECTION · RECREATION

WaterSense Program Campaigns

Fix-a-Leak Week

Sprinkler Spruce-Up

Smart Irrigation Month

Shower Better



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TRWD Water Conservation Strategy

Customer City Support

Regional and Local Partnerships

Community Education and Outreach

Outdoor Watering

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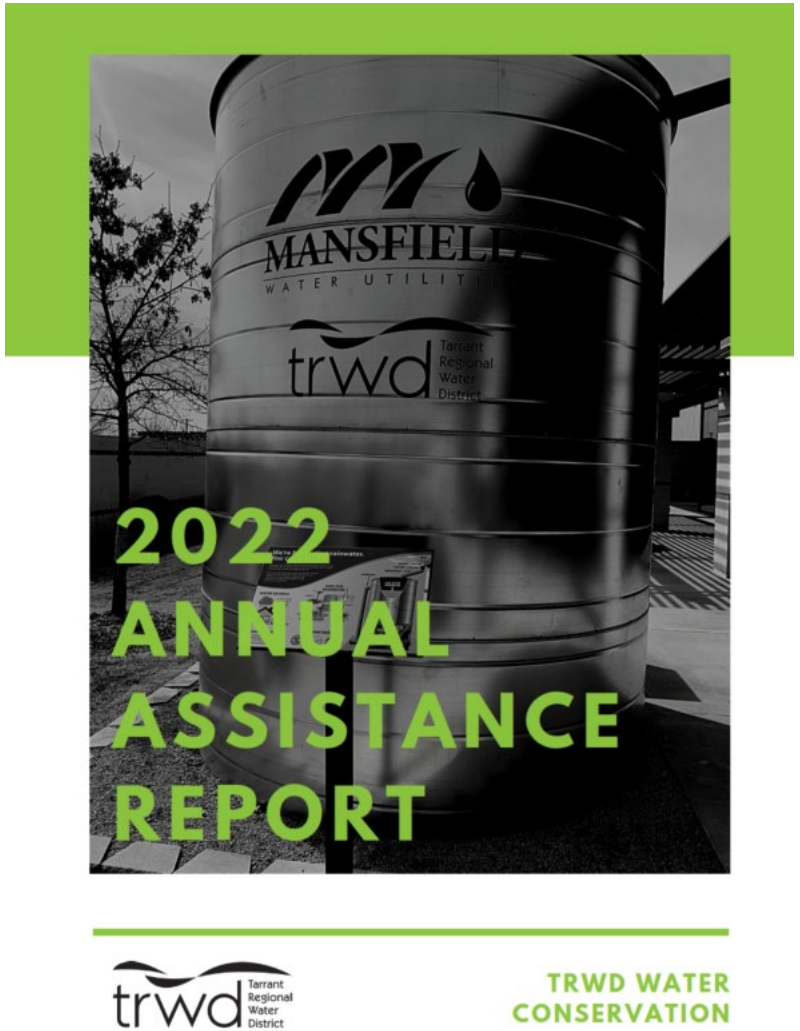
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Customer City Support

Monthly Conservation Coordinator Meetings

Promotional Items

Annual Assistance Reports



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Regional Partnerships

- Annual Conservation Symposium
- Regional Landscape Initiative
- Water-Efficient Recognized Green Professionals



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WATER SUPPLY · FLOOD PROTECTION · RECREATION

2023 Regional Conservation Campaign

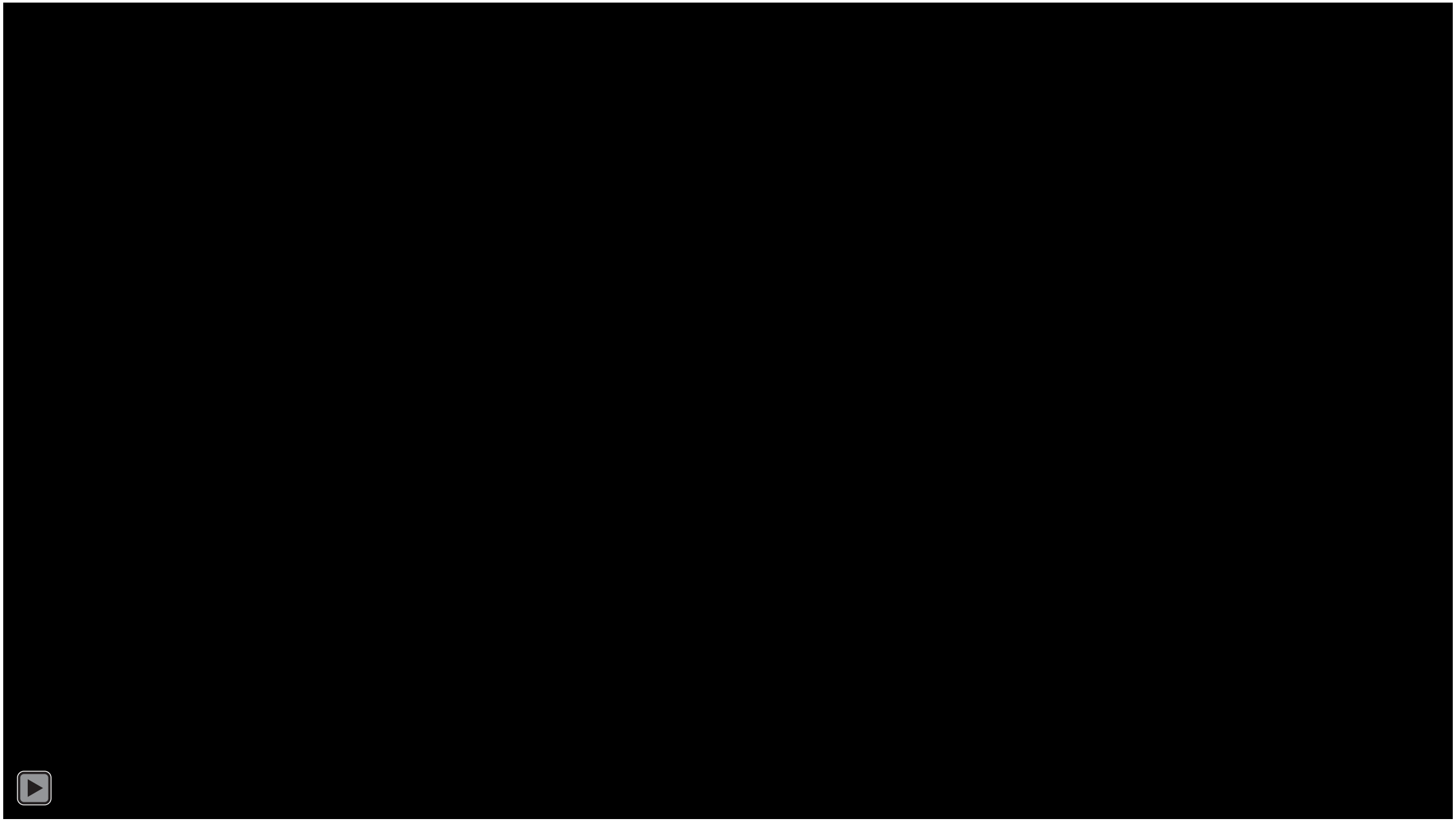


Spring



Summer

Journey of a Drop



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Weekly Watering Advice Service

- Weekly Email or Text
- 17,300+ Subscribers

dallas water utilities
city of dallas

trwd Tarrant Regional Water District



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Save Tarrant Water Communications

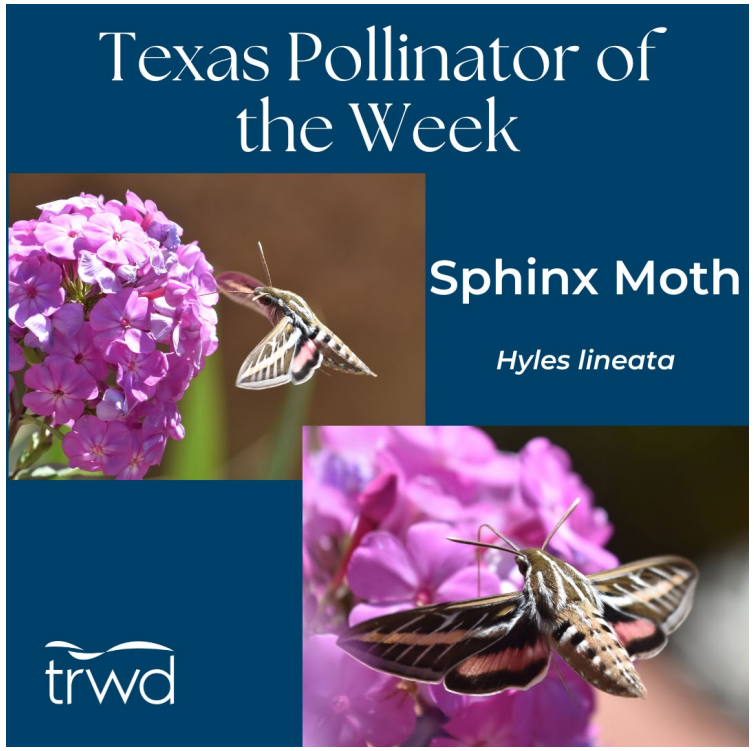
SaveTarrantWater.com

YouTube/X

Facebook/Instagram

Monthly Newsletter







WATER SUPPLY · FLOOD PROTECTION · RECREATION

Sprinkler System Evaluations

Provided over 2,000 residential sprinkler system evaluations in Tarrant County in 2023



Community Education & Outreach

- 12,000+ adults reached
- 195+ classes & events
- 16 customer cities



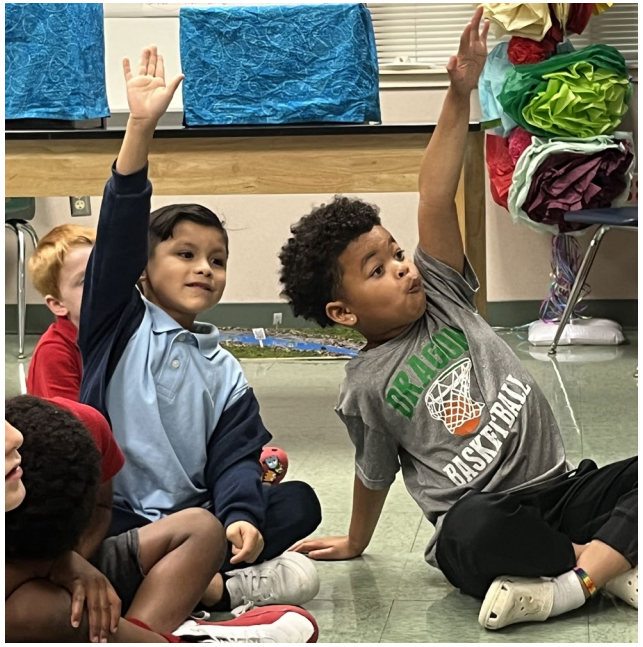




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Community Education & Outreach

- 16K+ students, teachers, & parents reached
- 18 customer cities







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WATER SUPPLY · FLOOD PROTECTION · RECREATION

Conservation Treasures Gardens













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WATER SUPPLY · FLOOD PROTECTION · RECREATION

Conservation Treasures Gardens







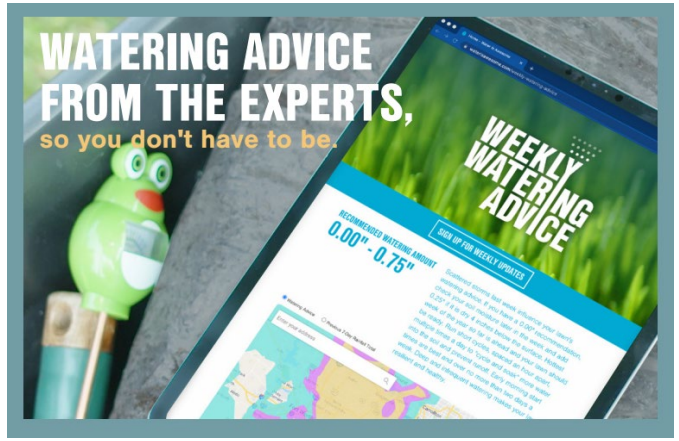




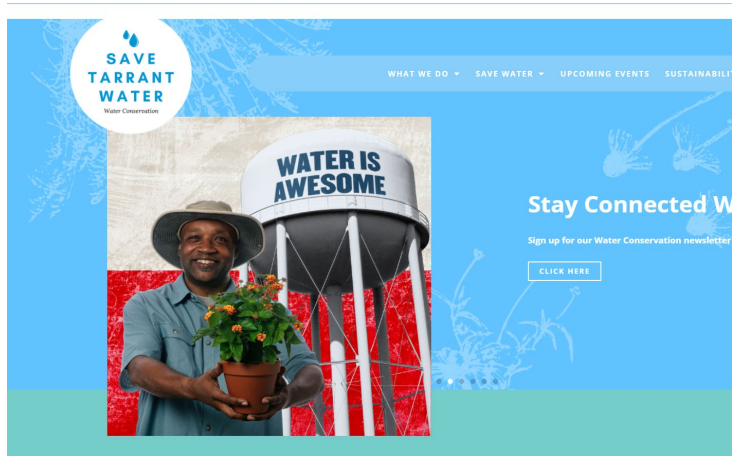


WATER SUPPLY · FLOOD PROTECTION · RECREATION

Conservation is a Water Supply Strategy!













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Discussion

5. Water Resources Questionnaire

The WRC will be asked to provide feedback on the questions in the Water Resources Questionnaire. This survey will be distributed to local governments and water professionals at the beginning of February 2024.

Other Business and Roundtable Discussion

6. NCTCOG Updates

a. Climate Pollution Reduction Grant Input

- NCTCOG is collecting feedback from local stakeholders on strategies to develop the Dallas-Fort Worth Air Quality Improvement Plan (DFW AQIP).

DALLAS-FORT WORTH AIR QUALITY IMPROVEMENT PLAN

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

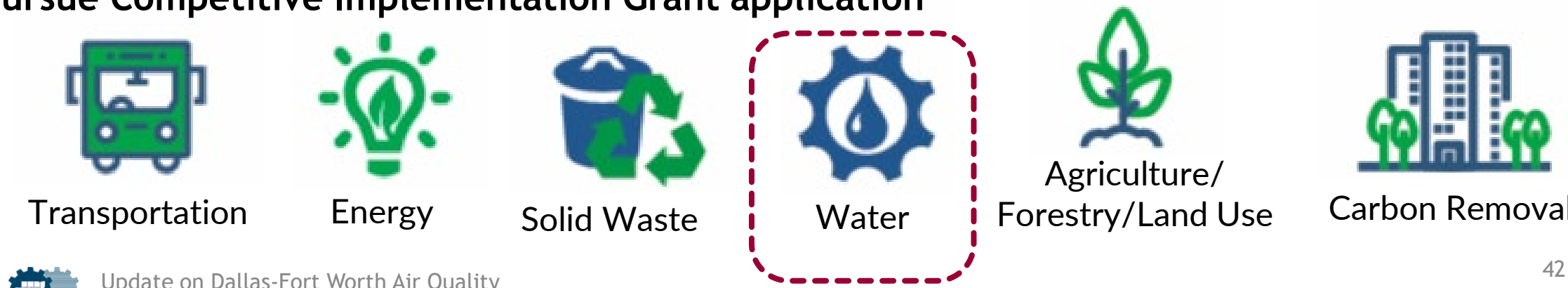
For more information go to
www.publicinput.com/dfwAQIP.com

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.

NCTCOG Approach

Leverage CPRG Planning Grant to Develop Dallas-Fort Worth (DFW) Air Quality Improvement Plan

- Implement measures to reduce ozone-forming pollutants, particulate matter, and GHGs
- Create cost-effective benefits to the region, particularly low-income/disadvantaged communities
- Compliment state efforts to attain federal ozone standards
- Include all 16 NCTCOG counties
- Coordinate across 3 NCTCOG Departments
  - Transportation
  - Environment and Development
  - Workforce Solutions of North Central Texas
- Collaborate with local governments, special districts, and other stakeholders
- **Pursue Competitive Implementation Grant application**



DALLAS-FORT WORTH AIR QUALITY IMPROVEMENT PLAN

Goals:

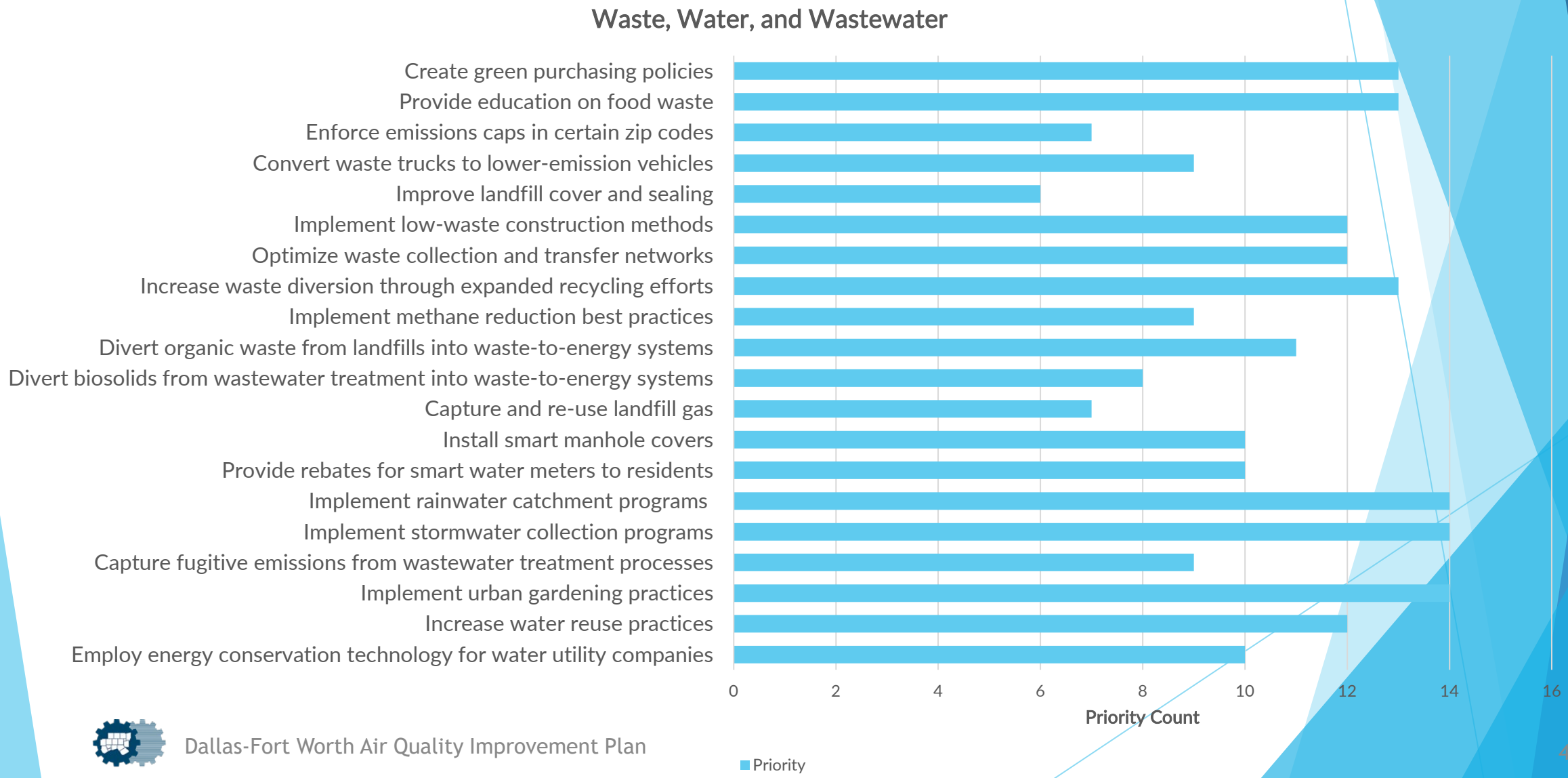
- Advance the transition towards a decarbonized economy
- Improve air quality
- Pursue innovative policies and programs that are replicable and can be “scaled up” across jurisdictions
- Benefit low-income and disadvantaged communities
- Incorporate high labor standards
- **Support measures for which funding is unavailable or insufficient**

DALLAS-FORT WORTH AIR QUALITY IMPROVEMENT PLAN

Goals:

- Advance the transition towards a decarbonized economy
- Improve air quality
- Pursue innovative policies and programs that are replicable and can be “scaled up” across jurisdictions
- Benefit low-income and disadvantaged communities
- Incorporate high labor standards
- **Support measures for which funding is unavailable or insufficient**

Preliminary Results – Water, Wastewater, and Solid Waste Sector



Additional Ideas– Water, Wastewater, and Solid Waste Sector

- Develop and support Aquifer Protection Land Preservation Initiatives
- Increase the identification and repair of aging On-Site Sewage Facility systems
- Provide economic rebates for green infrastructure and water-efficient landscaping in commercial spaces
- Install smart controls and sensors to Low Impact Development and green infrastructure to analyze and quantify stormwater collection efforts.
- Promote programs to retrofit existing structures with water-efficient plumbing
- Update aging Wastewater Treatment Plant (WWTP) infrastructure
- Increase on-site renewable energy for WWTP structures

Water, Wastewater, and Solid Waste Sector – Considerations

- What related measures are your local government considering for the PCAP?
  - Will disadvantaged communities receive the benefits of these measures?
  - How can these measures be made more cost effective?
- What measures should water utility companies or waste management companies prioritize?
- What measures NCTCOG can implement in 2025/2026 and provide significant emissions reductions?
  - Which measures are most cost-effective?
  - How can we ensure low-income & disadvantaged communities benefit?
- Which measures should the state include their plan?

DALLAS-FORT WORTH AIR QUALITY IMPROVEMENT PLAN

- NCTCOG seeking:
  1) Letter of Support, (February 15, 2024)
  2) Ideas for Priority Climate Action Plan (March 1, 2024)
  3) Project ideas for Implementation Grant (April 1, 2024)

- What projects regarding the water and wastewater sector should be the prioritized and included in the plan?

Other Business and Roundtable Discussion

6. NCTCOG Updates

b. Wastewater and Treatment Education Roundtable (WATER)

- Next meeting:

  Thursday, January 18, 2024

  10:00 a.m. Hybrid: In-Person at NCTCOG and online, via Microsoft Teams. Please RSVP prior to attending.

  Register and Add to Calendar

Other Business and Roundtable Discussion

6. NCTCOG Updates

c. Public Works Council

- **Thursday, February 15, 2024**

  9:30 a.m. In-person at NCTCOG.

  Register and Add to Calendar

Other Business and Roundtable Discussion

7. Future Agenda Items

The WRC can request future agenda items & discuss the priority and format of previously requested items. Previously requested agenda items include:

- Best practices and operations currently in use to reduce the carbon footprint.
- Different funding opportunities for water utilities, specifically where to go for funding at the state and federal level.
- Best and newest practices to enhance water conservation.
- Resources for landscaping and water conservation, including NCTCOG's iSWM strategies, Texas SmartScape, and model landscape ordinances from the region.

Other Business and Roundtable Discussion

8. Roundtable

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

Other Business and Roundtable Discussion

9. Next Meeting

Wednesday, April 3, 2024. In-person at NCTCOG

10:30 a.m. – 12:30 p.m.

Add to Calendar

- Meeting Dates for the remainder of 2024:
  - Wednesday, July 10, 2024- Online; Add to Calendar
  - Wednesday, October 9, 2024- NCTCOG; Add to Calendar

10. Adjournment

Staff Contacts

- Alyssa Knox

  Environment and Development Planner II

  AKnox@nctcog.org

  817-695-9221

- Cassidy Campbell

  Environment and Development Program Manager

  Ccampbell@nctcog.org

  817-608-2368

- Susan Alvarez

  Environment and Development Director

  Salvarez@nctcog.org

  817-704-2549