

North Central Texas
Council of Governments

Technical Advisory Group Meeting #2

July 12, 2023

Welcome and Introductions

- Thanks for attending!
- Please introduce yourself in the chat box.
- Please mute your line and unmute your line when you would like to speak.
- We will also watch the [chat](#) box for questions

Agenda

- I. Introductions
- II. Recap March 6th Meeting
 - a. Update on current progress
 - b. Review project team's timeline and schedule
- III. Technical Advisory Group Action Items
 - a. Funding
 - b. Education and Outreach
 - c. Data and Technical Needs
 - d. Policy
- IV. Next Steps
 - a. Participant Agreement Form
 - b. Form Subcommittees

Progress to Date

2 Rounds of meetings with stakeholders in the study area

1 Technical Advisory Group meeting

15 Communities have provided GIS and non-GIS data

2 Workshops conducted

- Green Asset Management with US EPA and City of Denton
- NCTCOG Flooding, Stormwater and Water Quality Programs webinar

2 Visits to observe challenges faced by small but developing cities



Project Timeline (Tasks to start in next 6 months)

Task Number	Task
3.1.1	Investigate and add detail to the Trinity River WHA hydrologic model
3.1.2	Maps and data sets for inclusion in reports, documents, presentations, models, etc.
3.1.4	Response and emergency management modeling tool
3.2.1	Identify and catalog potential datasets needed for evaluation of impact
3.2.10	Stormwater/transportation infrastructure integration options
3.2.2	Determine existing and future transportation facilities at risk of flooding based on future development
3.2.3	Identify and incorporate long term impacts, costs, and vulnerabilities to transportation infrastructure due to flood risks
3.2.4	Evaluate short and long-term land use transportation regulatory tools, green infrastructure applications, and sustainable development practices to mitigate flooding
3.2.8	Planning tools with map of vulnerable areas to identify design criteria and opportunities for environmental stewardship as potential revenue

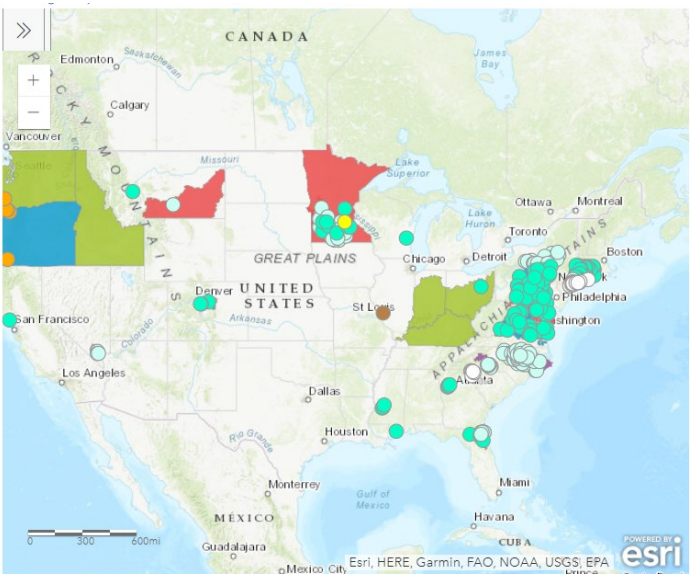
Project Timeline (Tasks to start in next 6 months)

Task Number	Task
3.2.9	Optimization study: model ideal location and sizing for ponds and other drainage/flood control structures and consider potential alternatives to reduce downstream flows.
3.3.2	Environmental and wetland analysis memo (mitigation banking considerations)
3.3.3	List GSI and NBS suitability index based on geological, social, and environmental parameters and ranking of project types and locations
3.3.5	Financial pro forma, benefit cost analysis tool for various GSI and NBS applications
3.3.9	Web-based map that identifies flood prone areas and ideal locations for implementation of GSI and NBS
3.5.5	Develop model development code and recommend floodplain management ordinances
3.5.6	Proposed list of city planning and development documents to incorporate Project outcomes into
3.5.7	Evaluate opportunities to expand the Corridor Development Certificate process into the Project Area

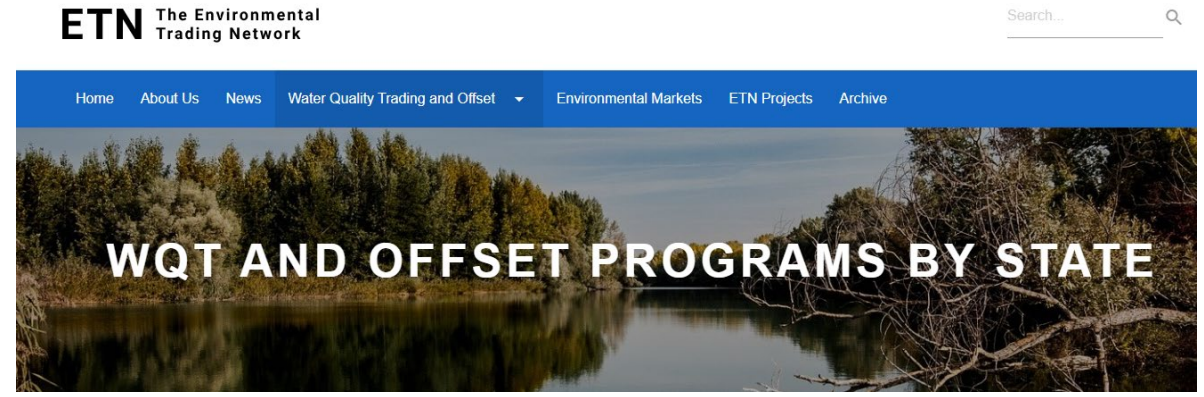
Action Items

ADDRESSING FEEDBACK FROM TECHNICAL ADVISORY GROUP
MEETING #1

Funding

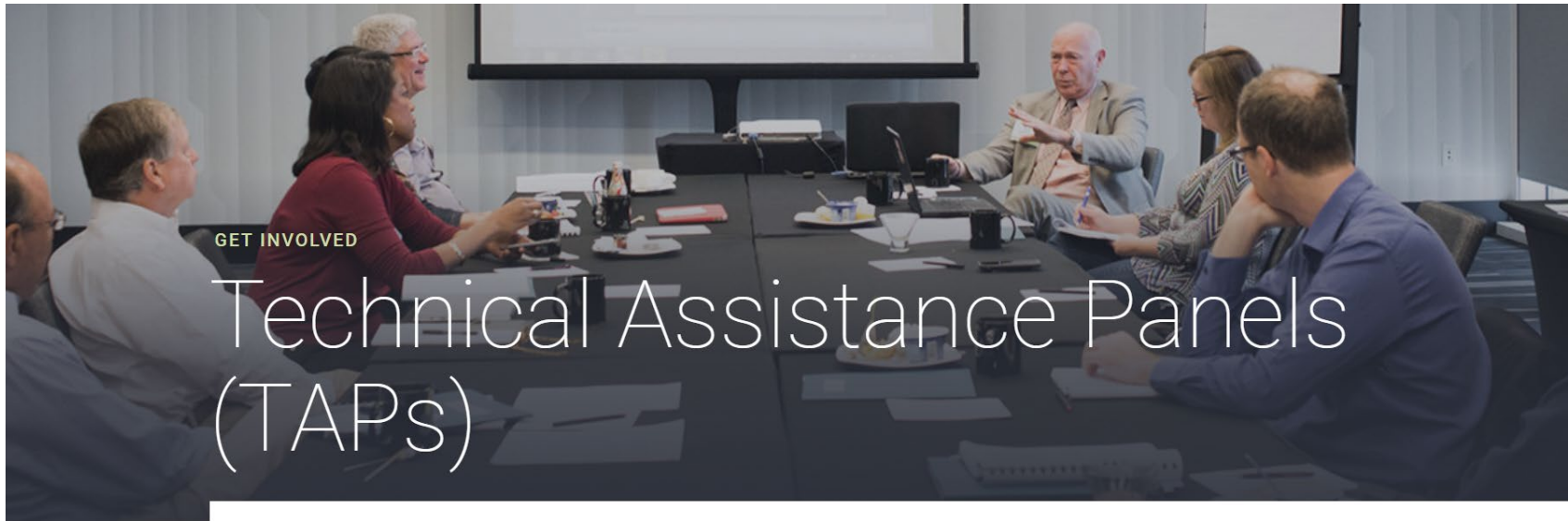


National Pollutant Discharge Elimination System Water Quality Trading/EPA



Trading Programs at State Level/The Environmental Trading Network

Education and Outreach



[Technical Assistance Panels \(TAPs\) | ULI Dallas-Fort Worth](#)

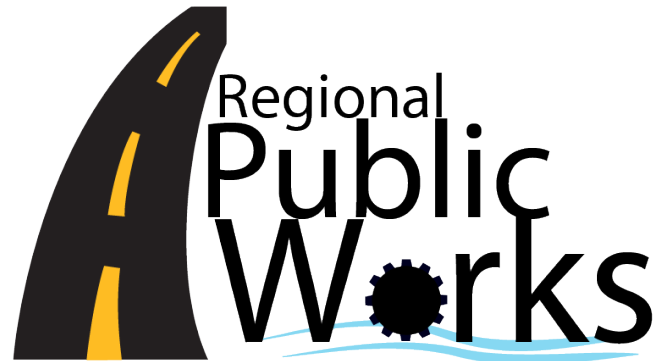
Providing expert, multidisciplinary advice to local governments, public agencies and nonprofit organizations facing complex land use and real estate issues in the Dallas-Fort Worth area.

- Technical Assistance Panel application
- Guidance on how to engage the developer and real estate sectors

Data and Technical Needs



Identified two experts in aquifer recharge



Seeking input from NCTCOG Public Works Council on stormwater infrastructure data



Adobe Stock

Seeking embankment data from TxDOT bridge group

Policy



[smart_ponds | news.mdot.maryland.gov](https://news.mdot.maryland.gov/smart_ponds)

- Maryland DOT smart ponds
- P3 funding
- Reduce pollution, curbs local flooding
- Generate impervious area treatment credits

WATERSS **Process Guidebook**

- Florida DOT
- Watershed Approach to Evaluate Regional Stormwater Solutions
- Appendix B: Guidance on Innovative Stormwater Solutions

Policy

In 2017, NCTCOG hosted a roundtable for counties to discuss how they could enforce floodplain management policies. As a part of this initiative, NCTCOG will host another workshop for counties to discuss:

- Engaging in floodplain management
- Adopting and enforcing permanent land use and control measures
- Declaring property to be in violation of local laws, regulations, or ordinances
- Taking steps, using regional, watershed, and multi-objective approaches, to improve management and use of flood-prone areas
- Adopting more comprehensive floodplain management rules

Next Steps

FORMALIZING RELATIONSHIP AND ROLE WITH THE TECHNICAL
ADVISORY GROUP

Participant Agreement Form



PARTNER AGREEMENT

Partner Agreement Between the *North Central Texas Council of Governments* and

(Organization)

Form Subcommittees

- Education and Outreach
- Data and Technical Needs
- Policy
- Planning

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