North Central Texas Council of Governments

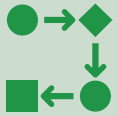
# Breakout Station Engagement, Funding, & Policy

May 2026

Funded by the Texas General Land Office, Community Development Block Grant, Disaster Recovery Program.

Also Funded by the Texas Water Development Board and Texas Department of Transportation.

# Why are we sharing this today? YOUR Feedback will be incorporated into the final TSI project materials



We are close to finalizing and need your input!

Take a post it note and sticky dots, leave feedback!

Draft tools and policies are near final

We want to improve usability and coordination

Your feedback today will influence final project materials

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# Funding Opportunities Table – DRAFT

| Funding Source | Category | Funding Origin | Funding Type | Person(s) Eligible | Project Eligibility | Example | Website |
|---|---|---|---|---|---|---|---|
| EPA- Clean Water State Revolving Fund (CWSRF) | Stormwater / Water & Wastewater Infrastructure | Federal | Loan / Loan-Grant Combo | •Municipalities and local governments responsible for wastewater management.<br>•Entities addressing nonpoint sources of pollution.<br>•Organizations involved in building decentralized wastewater treatment systems.<br>•Entities implementing green infrastructure or water quality protection projects, such as those protecting estuaries. | •Construction of municipal wastewater facilities<br>•Control of nonpoint sources of pollution<br>•Decentralized wastewater treatment systems<br>•Green infrastructure projects such as | City of Austin, TX: Upgraded wastewater treatment plant and replaced sewer lines to meet water quality standards and reduce overflows. | https://www.epa.gov/cwsrf/about-clean-water-state-revolving-fund-cwsrf |
| EPA- Drinking Water State Revolving Fund (DWSRF) | Stormwater / Water & Wastewater Infrastructure | Federal | Loan / Loan-Grant Combo | •Publicly and privately owned community water systems<br>•Nonprofit water supply corporations<br>•Nonprofit, non-community public water systems | like issues with water quality, capacity, pressure, and water loss<br>•Upgrading or replacing water systems<br>•Consolidation projects that involve providing new service to other water systems | City of San Antonio, TX: Replaced aging drinking water mains and upgraded treatment facilities to improve water quality and ensure safe drinking water. | https://www.epa.gov/dwsrf |
| EPA- Midsize and Large Drinking Water System Infrastructure Resilience and Sustainability Program | Stormwater / Water & Wastewater Infrastructure | Federal | Grant | Public water systems that serve 10,000 or more | projects that: Increase water conservation and efficiency, enhance energy efficiency in the treatment and distribution of drinking water, protect source waters in applicable watersheds, reduce cybersecurity vulnerabilities | City of Houston, TX: Installed backup power systems and upgraded treatment processes to enhance resilience of large drinking water system against climate and disaster risks. | v/dwcapacity/midsize-and-large-drinking-water-system-infrastructure-resilience-and-sustainability |
| FEMA- Hazard Mitigation Assistance- 406 Mitigation Program | Flood/Hazard In | Federal | Grant | •State Agencies<br>•Local Governments<br>•Tribal Governments<br>•Certain Private Nonprofit Organizations | facilities damaged by a disaster, with added mitigation measures to reduce the risk of future damage.<br>•Projects such as retrofitting buildings, | Repaired water main damaged by flooding and added emergency overflow bypass to reduce future | https://www.fema.gov/assistance/public/hazard-mitigation |
| FEMA- Building Resilient Infrastructure and Communities (BRIC) (Currently not active but status is | | | | •State Agencies<br>•Local Governments<br>•Tribal Governments<br>(Private Nonprofit Organizations are not eligible for this | •Innovative disaster mitigation activities, such as building resilient infrastructure and protecting critical facilities.<br>•Projects aimed at strengthening the community's overall resilience to | City of Cedar Rapids, IA: Elevated streets and installed flood-resistant pumps to | |

Flood_Hazard Mitigation | Water_Stormwater Infrastructure | Watershed Protection_GS

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# Funding Opportunities Table — We Need Your Feedback

Is this funding table useful for your community as it is, or what key information would make it more actionable?

What is the biggest barrier your community faces in pursuing these funding opportunities (e.g., staffing, match requirements, grant management)?

Are there funding programs or partnership opportunities we should add before the project is finalized?

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# Model Development Code & Floodplain Ordinances – DRAFT

**Best Practice Strategies for Flood Prevention in Development Codes: DFW Examples**

**Built Environment**

| Category | Type | Sample Code | Description | Key Provisions |
|---|---|---|---|---|
| **Stormwater Management / LID** | *Stormwater Management and Green Infrastructure Standards* | Cedar Hill, TX: Stormwater Management Ordinance | Defines private storm drainage systems to include natural and built features. | Applies to all projects that affect stormwater runoff and requires city review. Defines private storm drainage systems more broadly and recognizes natural systems. |
| | | Frisco, TX: Multifamily Development Regulations | Prohibits above-ground stormwater detention within required open spaces. | Applies to multifamily developments and pushes for more effective flood management with on-site infiltration, instead of ponding runoff. |
| | *Parking Lot Bioretention, Green Infrastructure, Native Landscaping, Streetscape GI, and Rainwater Harvesting* | Richardson, TX: Rain Harvesting Regulation | Standards for rainwater harvesting systems to ensure safety, proper design, and aesthetic. | Small tanks are exempt from permits but must be registered; larger systems require permits and inspections. Establishes requirements for tank construction, screening, and location. |
| | | Texas Trees Foundation: Southwestern Medical District Streetscape Plan | Highlights context- sensitive street design to manage stormwater. | Standards for landscaping in an urban corridor redesign with emphasis on LID strategies to manage stormwaters. |
| **Impervious Cover** | *Reduced Parking Requirement* | Lewisville, TX: Flexible Parking Requirements | Allows flexibility in parking requirements. | For non-residential projects, more parking allowable if spaces use permeable pavement or include landscaping. Parking minimums can be met through joint-use agreements. |
| | *Parking and Impervious Cover Reductions; Permeable Alleys and Low-Traffic Accessways* | Farmers Branch, TX: Sustainable Parking Lot Design | Parking lot design use innovative stormwater management. | Flexible parking regulations for applying two or more sustainable standards. Each option includes specific requirements for design, materials, and installation to offset parking lot impervious surface coverage. |
| | *Right-of-Way and Parking Reform* | Southlake, TX: Permeable Pavement to Offset Impervious Coverage | Incentivizes developers to implement permeable pavement | Developers may receive 50% credit on stormwater utility fees based on dimensions of off-street parking areas using permeable pavement that meets requirements. |

# Model Development Codes & Floodplain Ordinances

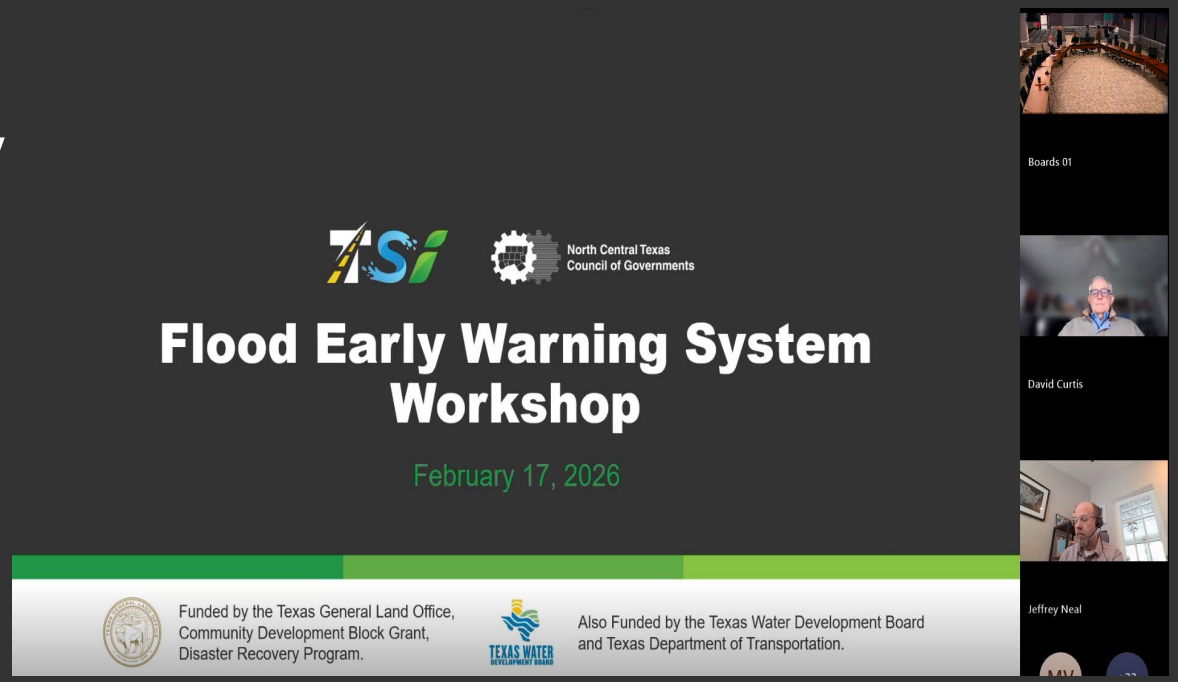
Are these feasible for your community?

What needs clarification before finalization?

Put a sticky dot on ordinances your community would most likely implement!

# Stakeholder Engagement TSI Workshops to Date:

- Green Asset Management Workshop (May 16, 2023)
- E&D Flooding, Stormwater, and Water Quality Programs Workshop (June 21, 2023)
- Water Rights Workshop (June 25, 2024)
- County Government Workshop (July 31, 2025)
- Model Ordinance & Code Workshop (January 29, 2026)
- Flood Early Warning System Workshop (February 17, 2026)

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https://www.nctcog.org/envir/Watershed-Management/Upper-Trinity-River-Transportation-and-Stormwater/Events

# Local Government FAQ

https://www.nctcog.org/getattachment/b76f5262-bef2-433c-b5f8-c5757140b6c6/TSI_FAQ_v03.pdf

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## LOCAL GOVERNMENT FAQ

### What is the integrated Transportation and Stormwater Infrastructure (TSI) study?

This planning study coordinates transportation planning, stormwater management, and environmental planning to mitigate flooding risks and optimize infrastructure while supporting sustainable development. The study will recommend tools and best practices to address community health, safety, and growth. The study is led by the North Central Texas Council of Governments with support from local, state, and federal partner agencies.

### How will the study help protect the safety of people and property in my community?

The TSI study will provide models of current and future flood risks and maps of potential locations for stormwater detention and green stormwater infrastructure. Additionally, the study will recommend strategies to improve the resiliency and siting of current and future transportation infrastructure. This will be accomplished using advanced hydrology and hydraulics modeling and future growth scenarios. Additionally, the study will recommend improvements to real-time flood warning systems to ensure communities stay informed during emergencies.

### What regulatory tools or guidance will the TSI study produce?

The study will recommend model regulatory tools, including example development code and floodplain management ordinances. In some communities, data produced by the study may be the best available flood hazard information for mitigation and recovery decisions. The study will identify ways local governments can utilize green infrastructure and nature-based solutions in development and planning processes. The study will provide guidance on integrating transportation

### KEY TERMS

**Community:**
A local government or political entity that adopts and enforces ordinances, orders, or regulations applicable to the area under its jurisdiction.

**Flood Warning Systems:**
Systems that provide real-time data and alerts regarding flood risks. They are designed to monitor flood events, enabling communities to take timely actions to protect lives and property.

**Green Stormwater Infrastructure:**
Vegetation and soil systems that have been engineered to improve urban flood management and water quality by mimicking natural hydrological processes.

**Hydrology:**
The study of water in the environment, focusing on its distribution, movement, and properties. It involves understanding how water interacts with the land, atmosphere, and ecosystems, as well as its role in natural processes like precipitation, runoff, infiltration, and groundwater flow.

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# Funding Opportunities FAQ

https://www.nctcog.org/getContentAsset/4a97df9e-c23e-4771-bcab-8c78bdd21833/dfc3d011-8f63-43f6-9ed8-4b444333a1d0/TSI_FAQ-v9.pdf?language=en-US

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## TSI FUNDING OPPORTUNITIES TABLE – FREQUENTLY ASKED QUESTIONS

### What is the purpose of the funding table?

The funding table provides communities with a simple, centralized list of funding opportunities that may support the goals of the Upper Trinity River Basin Integrated Transportation and Stormwater Infrastructure (TSI) Study. It helps local governments quickly identify programs that could support transportation and/or stormwater management projects to move those projects toward implementation.

### Where can I find the funding table?

The funding table can be downloaded as an Excel spreadsheet on the TSI Study website at www.nctcog.org/tsi or by contacting NCTCOG staff at tsi@nctcog.org.

### How should this table of funding opportunities be used?

The table highlights potential funding programs that local governments may use to implement recommendations from the TSI Study. It is intended to serve as a starting point for communities to identify possible funding programs. Funding programs and eligibility requirements may change, so applicants should confirm details directly with the funding agency prior to preparing and submitting a funding application.

### What funding categories are included?

The table focuses on funding opportunities that could support TSI-related projects. It is organized into three categories:

- Flood and hazard mitigation: studies and projects that reduce flood risk
- Water and stormwater: studies and projects that expand infrastructure capacity
- Watershed Protection and Green Stormwater Infrastructure: studies and projects that incorporate nature-based solutions

The table is not an exhaustive list of all potential funding opportunities that may be available to local governments.

## KEY TERMS

**Community:**
A local government or political entity that adopts and enforces ordinances, orders, or regulations applicable to the area under its jurisdiction.

**Green Stormwater Infrastructure:**
Vegetation and soil systems that have been engineered to improve urban flood management and water quality by mimicking natural hydrological processes.

**Low-Impact Development:**
A set of sustainable land development practices that minimize the impact of development by promoting infiltration, evapotranspiration, and the use of vegetation to manage stormwater runoff, reduce pollution, and improve water quality.

**Nature-Based Solutions:**
Strategies that use natural systems or processes, such as restored wetlands or enhanced riparian buffers, to address environmental challenges that are broader than those

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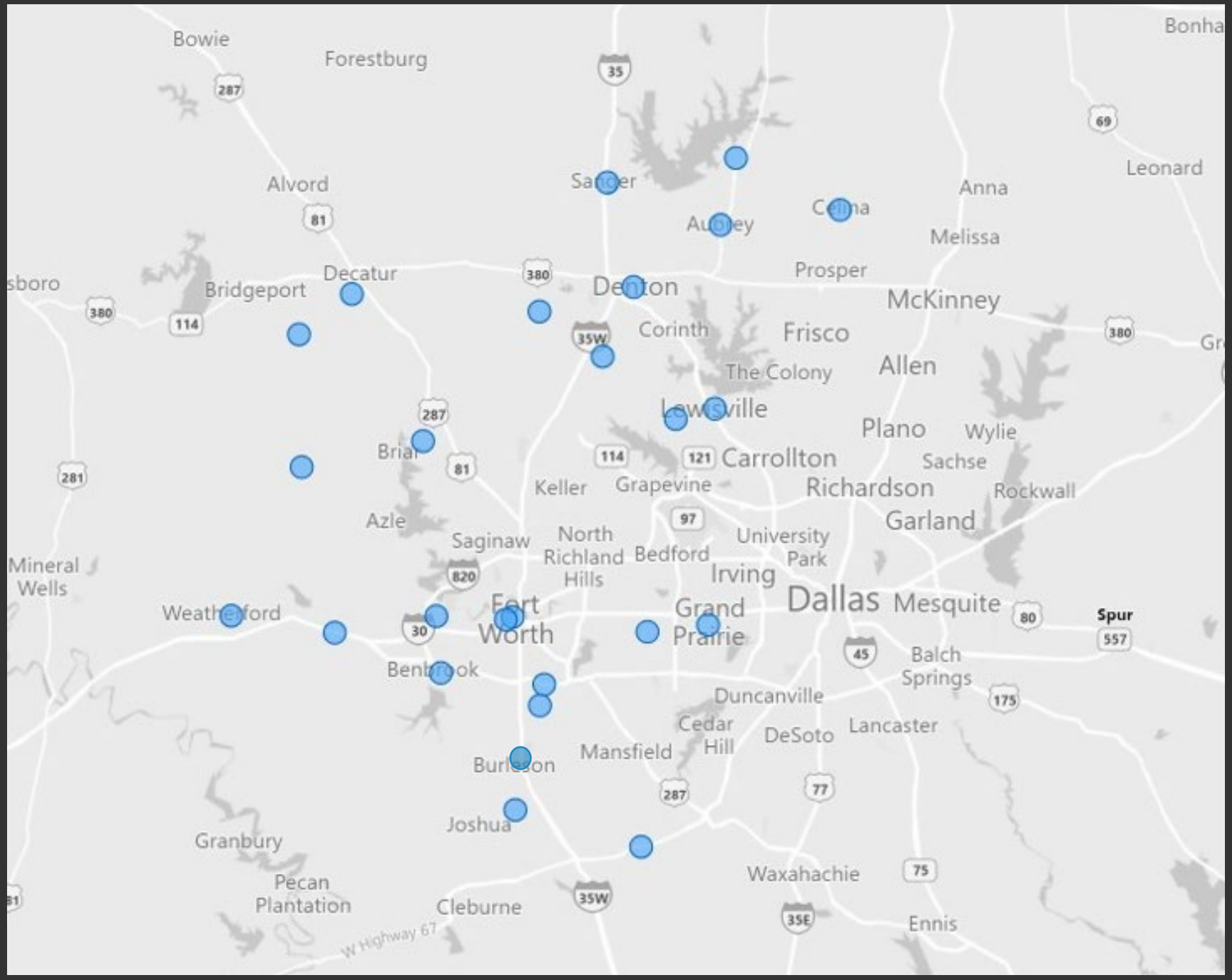
# 26 Community Site Visits

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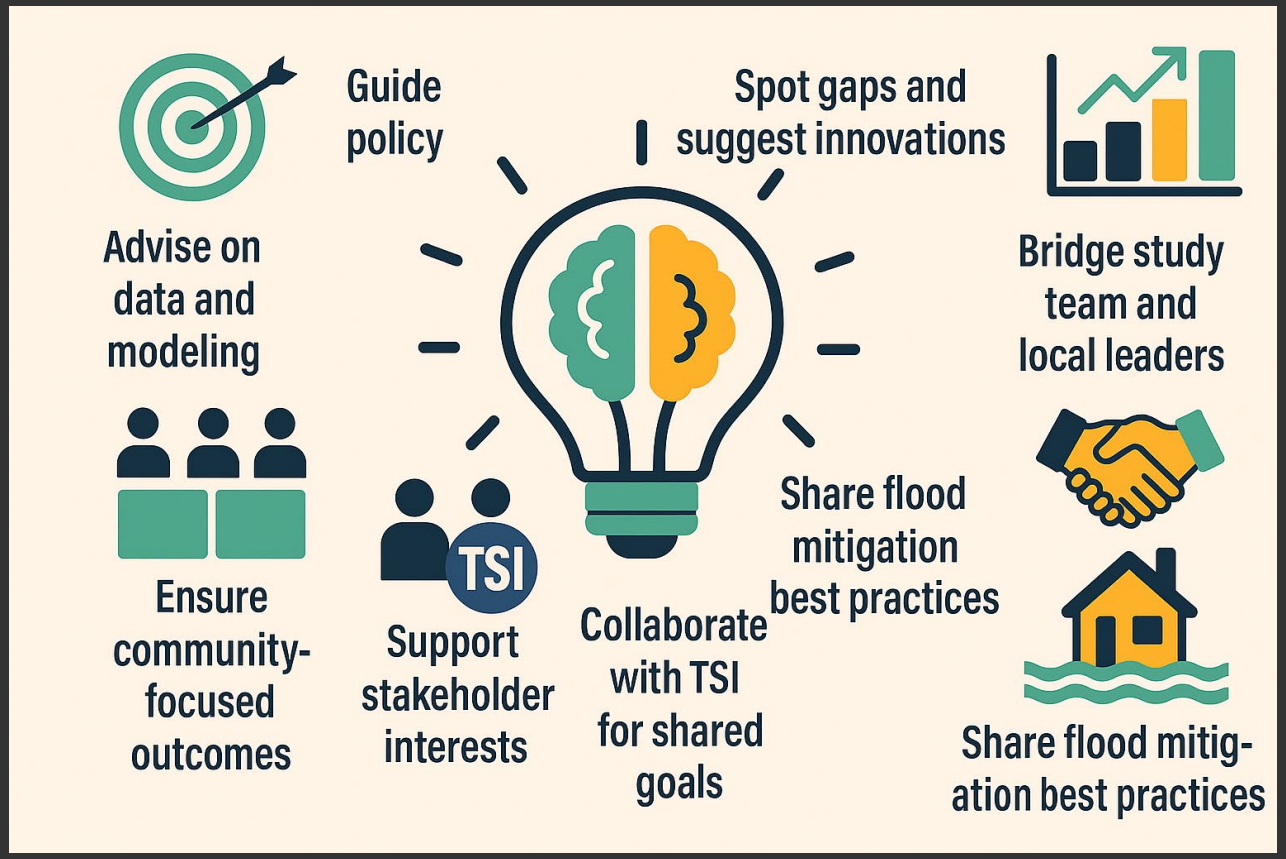
# Technical Advisory Group (TAG)

- Number of TAG meetings to Date: 9
- Provide input to the TSI Study team regarding policy, outreach, data, and challenges that communities face.
- To participate, please email tsi@nctcog.org

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**Website**

**Story Map**

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