



# **SCOPE OF WORK COMMITTEE MEETING**

**10:00 AM**

**Tuesday, August 26, 2025**

**BRAZOS RIVER AUTHORITY**

**Lt. Gen. Phillip J. Ford Central Office**

**4600 Cobbs Dr. Waco, TX 76710**



**1. CALL MEETING TO ORDER**

**2. NOTICE OF MEETING**

**3. ATTENDANCE AND ANNOUNCEMENTS**

**4. PUBLIC INPUT** (limited to 5 minutes each)



**5. Discussion and possible action on feedback received on the Brazos G Initially Prepared Plan, including agency and public comments, TWDB's socioeconomic impact analysis, and potential revisions to be made by the technical consultant based on that feedback and Committee input**

# Brazos G

## Scope of Work Committee

### Item 5

Discussion and Possible Action on Feedback Received  
on the Brazos G Initially Prepared Plan



# Today's Discussion

- Proposed substantive revisions for Final 2026 Brazos G Regional Water Plan
  - TWDB Socioeconomic Impact Analysis
  - Summaries of:
    - Public comments
    - Agency comments
  - WUG/WWP/MWP engagement
- Summarized in revised Chapter 10 and appendices for Final Plan

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# TWDB Socioeconomic Impact Analysis

# Description

## Goal

- Evaluate the social and economic impacts of not meeting identified water needs.
- Required analysis for all Regional Water Plans

## Performed by TWDB

- Estimated for RWPGs and summarized in State Water Plan

## Based on

- Projected water demands and existing supplies
- Shortages (identified by Brazos G) that could occur under repeat of drought of record
- IMPLAN (Impact for Planning Analysis) modeling software package and other analytic techniques

## Calculated for

- Six (6) water use categories
- Summarized for Region
- Decadal snapshots of impacts should DOR occur in that decade (not cumulative)

# Description (cont'd)

## Income losses

- Represent an approximation of gross domestic product (GDP) that would be foregone if water needs are not met

## Estimates financial transfer impacts including

- Tax losses (state, local, and utility tax collections)
- Water trucking costs
- Utility revenue losses

## Estimated social impacts

- Lost consumer surplus  
(a welfare economics measure of consumer wellbeing)
- Population and school enrollment losses

# IMPLAN data reported for Brazos G that in 2021:

- Generated more than \$101 billion in GDP (2023 dollars);
- Supported more than 1,055,000 jobs
- Estimated total population of 2.4 million.

# Brazos G Socioeconomic Impact Summary

- Not meeting identified water needs in Brazos G would result in an annually combined lost income impact of approximately \$9.24 billion in 2030, increasing to \$13 billion in 2080.
- If anticipated needs not mitigated:
  - By 2030 could lose 41,000 jobs
  - By 2080 at risk job losses increase to approx. 86,000

Table ES-1 Region G socioeconomic impact summary

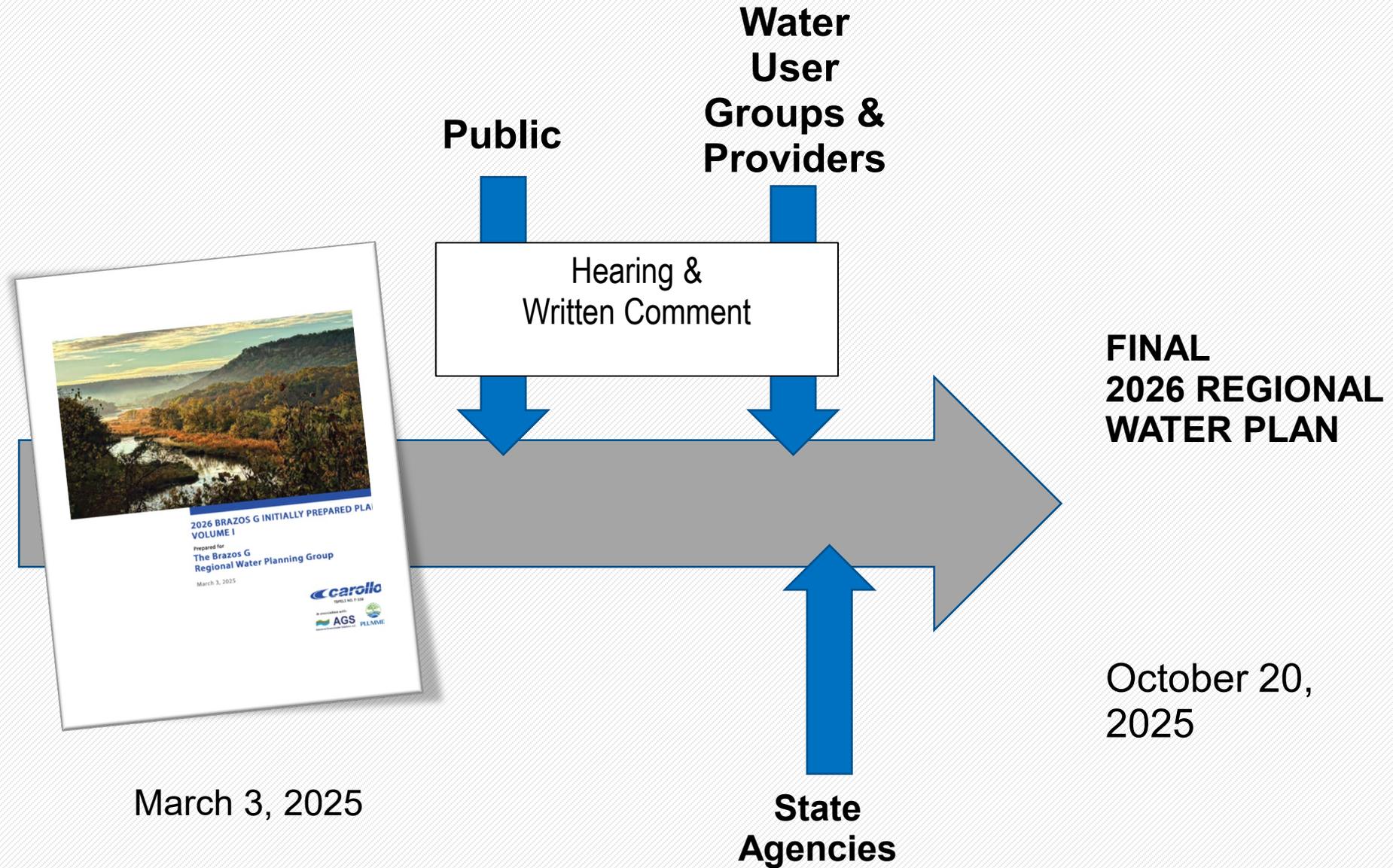
Regional Economic Impacts	2030	2040	2050	2060	2070	2080
<b>Income losses (\$ millions)*</b>	\$9,244	\$9,714	\$11,019	\$11,697	\$12,133	\$13,097
<b>At risk job losses</b>	41,068	46,695	59,306	67,542	75,426	86,417
Financial Transfer Impacts	2030	2040	2050	2060	2070	2080
<b>Tax losses on production and imports (\$ millions)*</b>	\$684	\$707	\$764	\$793	\$803	\$844
<b>Water trucking costs (\$ millions)*</b>	\$23	\$23	\$22	\$52	\$125	\$479
<b>Utility revenue losses (\$ millions)*</b>	\$407	\$711	\$1,033	\$1,350	\$1,719	\$2,098
<b>Utility tax revenue losses (\$ millions)*</b>	\$7	\$13	\$19	\$25	\$32	\$40
Social Impacts	2030	2040	2050	2060	2070	2080
<b>Consumer surplus losses (\$ millions)*</b>	\$212	\$645	\$1,347	\$2,211	\$3,397	\$4,171
<b>At risk population out-migration</b>	5,881	6,687	8,493	9,672	10,801	12,375
<b>At risk school enrollment losses</b>	1,073	1,220	1,550	1,765	1,971	2,258

\* Year 2023 dollars, rounded. Entries denoted by a dash (-) indicate no estimated economic impact. Entries denoted by a zero (\$0) indicate estimated income losses less than \$500,000.

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# Public Comments

# From Draft IPP to Final RWP



## Public Comments on the IPP

# Public Hearing on IPP May 6, 2025

- 1 individual provided oral and written comments
- 3 provided written comments
- Documented in Appendices of Final Plan

# Public Comments Received

## Bistone MWSD

- Disagrees with reduced demand projections compared to 2021 Plan
- Correction to wholesale supplies to Mexia
- Clarify ongoing SWIFT funded well field project, costs and effects on sedimentation in Lake Mexia
- Identifies ongoing TWDB funded transmission main project
- Conservation revisions due to how retail is handled, 140 not possible as high per capita usage is not due to water loss or plumbing fixtures but due to methodology

## City of Rockdale

- Concern over population projections for the City of Rockdale, requests re-evaluation
- In last few years City has seen historic growth due to Samsung growth, two new subdivisions with 900 new homes, estimated 100,000 new jobs, 5 miles from City.

## City of Granbury

- Concern over reduced population projections.
- Updated WMS costing.

# Public Comments Received (cont'd)

## Mr. John Asbury (Temple, Tx)

- Addition of ASR in Central Bell County
- Inclusion of Central Texas Water Alliance
- Use unused water rights as source for local ASR
- Separate source costing for ASR program
- Recommends monitoring quality of discharges for potential use in ASR programs
- Recommends future restrictions on use of public water supplies as resources become more limited (e.g., type of outside watering)
- Recommends greater clarity on aquifer water availability for public understanding
- Recommends greater focus on desalination
- Recommends consideration of lake-to-lake transfers from ETX reservoirs
- Recommends use of flood amounts to capture flows spilled to estuary as potential ASR source

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# TPWD Comments

# TPWD Comments

## General

- DFCs set by a GCD provide quantifiable management goals for the GCD and become permitting targets for the GCDs, allowing local and regional control

## Conservation

- Commends Brazos G for considering conservation first, continuing trend of increased savings from previous cycles.
- Supports goal of 140 gpcd for all entities (120 in Williamson Co.)

## Water Management Strategies

- Recommends greater specificity in environmental impacts, more detail on methodology and site-specific considerations
- Reuse – Important to note that return flows provide a consistent instream flow, sustaining aquatic habitats during drought

### Water Management Strategies (cont'd)

- Reservoirs – Notes environmental trade-offs and impacts, particularly in unique and ecologically significant ecosystems supported by upper Brazos River
- Recommends that to mitigate impacts of recommended (non-OCR) strategies, projects be equipped with fish passage structures and multi-level outlet works capable of supporting natural flow regimes and water quality
- Notes that downstream impacts are not just localized but can have accumulative impact as flows are lowered by other uses downstream

# TPWD Comments

## Invasive and Exotic Species

- Inclusion of TPWD's zebra mussel monitoring maps and control guidelines – alongside contingency planning for aquatic invasive species – would enhance the Plan's resilience and implementation readiness
- Requests (similar to 2016 & 2020 IPP comments) the Plan address zebra mussels and aquatic invasive species and their potential impacts on WMS
  - Add Lampasas, Leon, and Little River for presence of Zebra mussels
  - TPWD website added Lake Nasworthy in March 2025
  - Add information about zebra mussel control and reduction of spread to Lake Granger and Lake Georgetown ASR project descriptions

# TPWD Comments

## Ecologically Unique Stream Segments

- TPWD looks forward to assisting Brazos G should they decide to pursue the designation by 2028.
- Willing to assist with the preparation of a recommendation packet as identified in 31 TAC Section 357.43.

## Editorial

- Appreciates addition of Aquatic Resource Relocation Plans (ARRPs) as previously requested by TPWD
- Correction to Table ES-1 to correct TPWD non-voting member's name to Jennifer Bronson Warren
- Add Lindsey Elkins as alternate non-voting representative for TPWD

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# Engagement Revisions

# Changes through Engagement

## Bell County WCID No. 1

- Update information on Central Texas Water Alliance (CTWA)
- Regional Groundwater WMS
- Bell & McLennan Counties, BCWCID #1, Clearwater Underground Water Conservation District

## Round Rock

- Increase to GW supply
- Completion of BCRUA WTP between IPP and Final Plan, increase to 11.2 MGD capacity for RR, 42 MGD total
- Requests Lake Granger Augmentation WMS be included (has current study evaluating Trinity, CW aquifers and ASR). Intends to pursue SWIFT funds

# Changes through Engagement

## JSWSC

- Identified revisions to existing supplies, projected demands, and allocations of supply
- Adjustments are within Jarrell CRU (combined with City of Jarrell)

## Bryan

- Remove Miramont Reuse strategy
- Add strategy to redrill wells. Based on new projects coming online in Simsboro, indicated they will need to lower pumps to obtain lost supply.

# Georgetown

- Concern over strategy limitations from MAG
- Removal of Lone Star RWA from Gatehouse / Lee County groundwater WMS
- Include recharge costs as part of WMS

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# TWDB Comments / Responses

# TWDB Comments

## Level 1 Comments

- Comments, questions, and data revisions that must be satisfactorily addressed in order to meet statutory, agency rule, and/or contract requirements.
- 84 received
- Majority related to consistency with DB27

## Level 2 Comments

- Comments and suggestions for consideration that may improve the readability and overall understanding of the regional water plan.
- 18 received.
- Editorial, references, typos, consistency in naming conventions
- Combine 9.3 and 9.5 into single Regionalization section.

Draft Responses to be submitted to TWDB for informal review in early September

# TWDB Level 1, Volume I Comment Summary

## Chapter 1

- Added new subsection on reuse supplies
- Added description of DOR and citation to Chapter 7

## Chapter 3

- Added table documenting methods used for estimating non-MAG groundwater availability
- Added existing supply and existing reuse summaries by WUG
- Added reuse methodology
- Added new table for local surface water supply with basis of supplies

## Chapter 4

- Consistency with DB27

# TWDB Level 1, Volume I Comment Summary

## Chapter 5

- Added template table for implementation of large WMSs
- Added conservation strategies for Burleson and Johnson County SUD (consistent with Region C IBT WMSs)
- Clarified water loss reduction WMS is recommended for the City of Taylor based on WLA data.

## Chapter 6

- Text revised for description of impacts of plan and threats to agricultural resources
- Unmet needs data will be updated for consistency with DB27 outputs

## Chapter 7

- Added emergency contact info for 4 WUGs

## Chapter 8

- More details added to support unique reservoir designations for Millers Creek OCR and Coryell County OCR

## Chapter 9

- SARA Report 125 incorporated into listing of WMSs serving more than one WUG
- Added subsection comparing DORs from 2021 to 2026 Plans.

# TWDB Level 1, Volume 2 Comment Summary

## Section 1

- Statement added that all required WMSs were considered
- Added statement and list of WMSs with flood mitigation benefits
- Clarify quantitative basis for reliability determinations
- Added acreage thresholds and other parameters considered for impacts to agricultural resources
- Added clarification for Region C interbasin strategies
- Added UCM formatted output reports for identified recommended and alternative WMSs
- Confirm WMSs for WTP expansions and conveyance are for new, additional supply amounts
- Clarify that the Bryan, East Williamson County, and Georgetown groundwater WMSs, Somervell County WSP, Mineral Wells new WTP, Lampasas Expand System Capacity, and several WTP upgrades WMS cost estimates are for new infrastructure elements required for each strategy
- Added new text (and/or revised) for evaluations of Georgetown (North Option Alternative), Lampasas (San Saba Aquifer Development), SLR for Williamson County Manufacturing, alternative WMSs for consistency
- Clarifying versions of WMSs as rec/alt
- Revised text for consistency with DB27 for Rolling Plains GCD MAR WMS and Seymour Aquifer Development

# TWDB Level 1, Volume 2 Comment Summary

## Section 2

- Added language supporting significant reductions in use from water conservation WMSs
- Presented separate water savings and costs for water use reduction and water loss mitigation WMSs
- Added unit costs for industrial conservation WMSs

## Section 3

- Updated reuse amounts for consistency with maximum available WWTP effluent volumes
- New text added for evaluation of Liberty Hill DPR WMS for consistency with DB27

# TWDB Level 1, Volume 2 Comment Summary

## Section 4

- Feasibility of Groesbeck OCR by 2040
- Includes estimated mitigation land areas and associated acquisition costs for new reservoir strategies. When such information is available from project sponsors, it is incorporated directly into the Plan. In cases where sponsor-provided data is not available, the planning group applies a conservative approach by assuming the mitigation land area is approximately equal to the reservoir footprint. Similarly, mitigation land acquisition costs are assumed to be comparable to those of the reservoir land. The Plan also noted that this approach may overestimate actual needs. In practice, required mitigation acreage could be lower if project sponsors are able to acquire lower-quality land or enhance existing land to meet ecological equivalency standards or higher if other ecological or regulatory factors require additional land acquisition. Similar statement has been added to Volume II, Section 1.6.

# TWDB Level 1, Volume 2 Comment Summary

## Section 5

- Writeups and costing added/revised for consistency with DB27, including City of Temple GW Temple North, GW Temple South, GW Trinity Oasis, Temple ASR, Robertson County Steam-Electric Mine Reuse, City of Belton WTP expansion, and identified WMSPs
- New text added for City of Cameron Little River Intake WMS, clarifies recommended project is for restoration of expected lost raw water capacity
- Clarifying text added to Georgetown Lee County groundwater WMS to make clear that partnership with Recharge Water is the recommended WMS, and RWPG supports whichever partnership configuration is implemented for this WMS
- Consistency in online decades between DB27 and report
- Clarified Johnson County SUD Trinity Aquifer WMS removal from 2021 Plan is a different strategy with different online decade than that recommended in IPP
- Clarified City of Bryan ASR of Still Creek WWTP IPR as alternative WMS

## Section 7

- Clarify ASR project-specific recovery rates
- Removed Acton MUD ASR WMS, no longer being pursued by WUG

# TWDB Level 1, Volume 2 Comment Summary

## Section 8

- Clarified use of WAM to identify additional supply availability on Lake Belton to Lake Stillhouse Hollow Pipeline WMS
- Updated UCM for components of Managed Aquifer Recharge Project (Haskell and Knox Counties) and cited Rolling Plains GCD memo on MAR Facility Production Capabilities
- Bosque County-Regional Water Supply Project entered as an "Other Surface Water" strategy type, indicated it should be classified as a "New Reservoir"
- TWDB has reviewed additional information and agrees with the Region G Consultant's request to keep the Bosque County-Regional Water Supply Project classified in DB27 as an "Other Surface Water" WMS type rather than a "New Reservoir." This project involves expansion of the existing Clifton off-channel reservoir (constructed in 1998, initial capacity 500 acft) to a total storage of approximately 2,000 acft, well below the 5,000 acft "major reservoir" threshold. Existing City of Clifton water rights on the North Bosque River are expected to support the expanded use. Accordingly, the implementation status requirement under 31 TAC § 357.34(g) will not apply. Timeline: July 23, 2025 – Region G submitted technical and regulatory basis for classification; August 4, 2025 – TWDB concurred and confirmed no implementation status reporting required.

# Appendix O

- Added City of Gordon to Table O.2 (MWWPs)
- Management Supply Factors updated from latest SARA Report 126 and added to Appendix O.

### Other

- ADA accessibility requirements
  - Held April 3, 2025, meeting with TWDB staff after IPP submittal, confirmed exact requirements. ADA compliance edits will occur after Plan adoption and prior to submittal to TWDB.
- Four comments related to GIS data naming conventions, attribute fields, and layering

## Chapter 10

### Significant additions to this chapter since IPP

- Section 10.6 will provide a comprehensive table documenting all public comments and TPWD comments received and responses to each comment. Oral comment from hearing will be summarized and response provided as well.
- Section 10.7 will provide a similar table documenting TWDB's Level 1 and 2 comments and detailed responses to each comment.

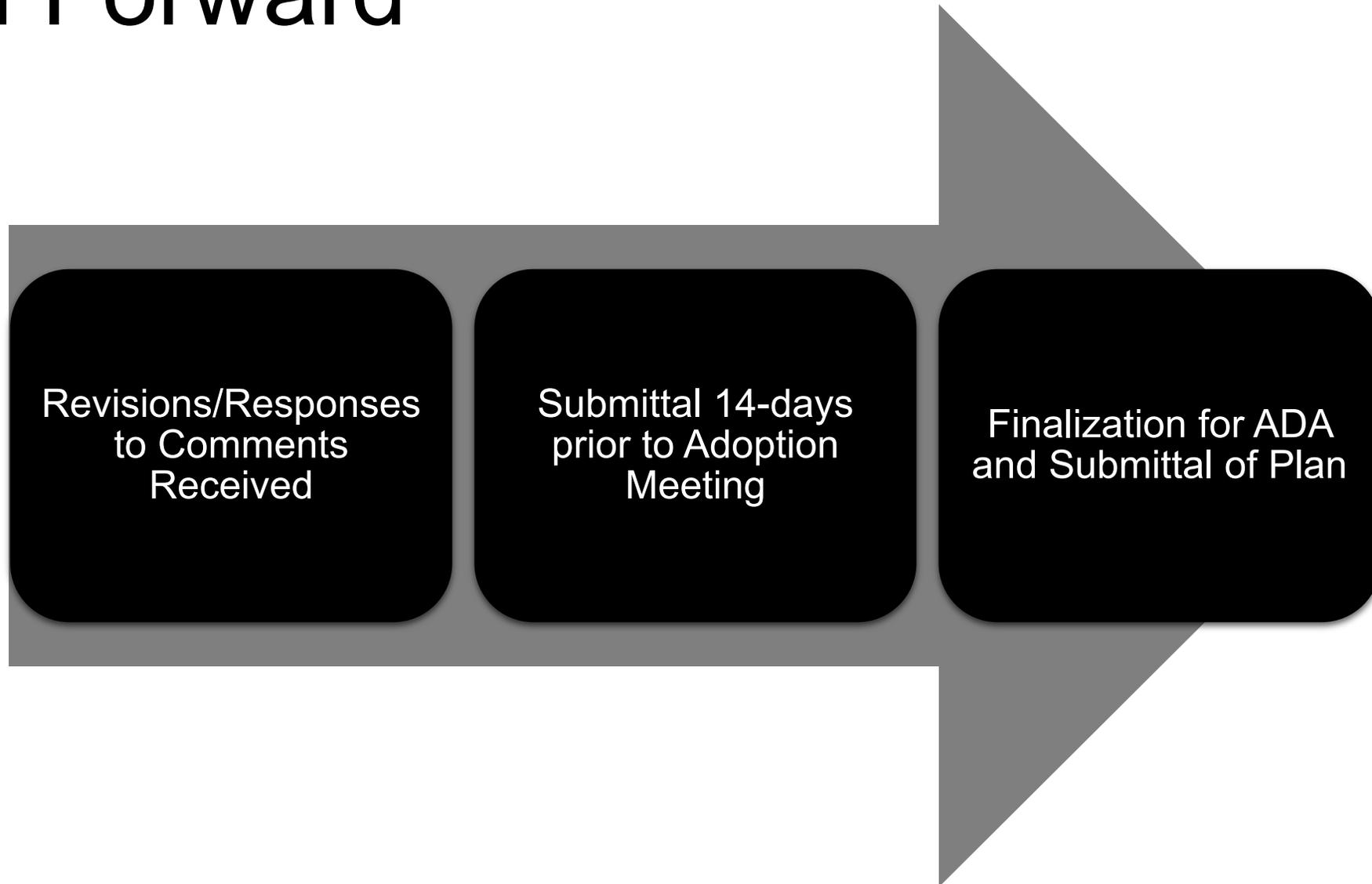
# Anticipated steps toward Final Plan Adoption

Date	Schedules Events/Tasks
March 3, 2025	Initially Prepared Plan Due
May 6, 2025 (TBD)	IPP Public Comment Meeting (30-day Before, 60-day After)
August 2025	Socioeconomic Impact Report Released to RWPGs
<b>August 26, 2025 (TBD)</b>	<b>SOW Committee discussion on strategy revisions</b>
Sept. 22, 2025	DB27 Lockdown
Sept. 23, 2025	Submittal of Draft Final RWP for review
Oct 7, 2025	RWPG Meeting: Final RWP Approval (2-week Notice, 7-day posting)
<b>October 20, 2025</b>	<b>Final Regional Water Plan Due</b>

## Suggested Action:

- Authorize the technical consultant to submit on behalf of the Scope of Work Committee a recommendation for revisions related to the recommended and alternative strategies and accompanying language within all related Chapters for the purposes of the 2026 Brazos G Regional Water Plan for the Brazos G RWPG's consideration and possible action, consistent with the information discussed and recommended by this committee, for potential adoption, and approve for the consultant to work with the Chair and Administrator to submit further revisions and make responses to revision requests as needed.

# Path Forward



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**6. Consider Agenda Items and Date for the next Scope of Work Committee Meeting, if determined to be necessary**



## **7. ADJOURN**