

AGENDA

Lower Colorado Regional Water Planning Group Meeting

LCRA Dalchau Service Center,
3505 Montopolis Drive, Austin, TX

December 1, 2023, 10:00 a.m.

Regular Meeting:

1. Call to Order –Chair David Van Dresar
2. Welcome and Introductions – Chair Van Dresar
3. Receive public comments on specific issues related to agenda items 4 through 16. Public comments limited to 3 minutes per speaker.
4. Planning Group Membership – Secretary Teresa Lutes
 - a. Attendance Report
5. Consider approval of October 4, 2023 LCRWPG regular meeting minutes – Chair Van Dresar
6. Committee Reports
 - a. Water Modeling Committee – Teresa Lutes, Committee Chair
 - b. Water Management Strategies Committee – Lauri Gillam, Committee Chair
7. Present results of analysis of potentially infeasible water management strategies and water management strategy projects in the 2021 Region K Water Plan – Consulting Team
8. Identify potentially feasible water management strategies process for the 2026 Region K Plan
 - a. Present Region K process for identifying potentially feasible water management strategies for comment – Consulting Team
 - b. Take public comments on the Region K process for identifying potentially feasible water management strategies. (limit 3 minutes per speaker)
 - c. Region K planning group to consider planning group member and public comments to revise process for identifying potentially feasible water management strategies as needed and take action to approve process.

9. Consultant Report
 - a. Supply survey update – Adam Conner, FNI
 - b. Progress to date – Neil Deeds, INTERA
 - c. Upcoming efforts and key dates – Neil Deeds, INTERA

10. Texas Water Development Board (TWDB) Report – Lann Bookout, TWDB
 - a. Update on regional water planning activities and schedules

11. Interregional Coordination Activities – Chair Van Dresar
 - a. Liaison reports
 - i. Consider election of a new Region L liaison to replace Ron Fieseler

12. Financial Report – Chair Van Dresar

13. Upcoming meetings, consider and take action as needed – Chair Van Dresar
 - a. Location and date of next RWPG meeting
 - b. Other committee meetings
 - i. Water Modeling Committee
 - ii. Water Management Strategies Committee

14. Future Agenda Items

15. Public Comments – limit 3 minutes per person

16. Adjourn

Item 4. Planning Group Membership

Lower Colorado Regional Water Planning Group Meeting Voting Member Attendance Record
for Secretary's LCRWPG Voting Member Attendance Report on 12/1/2023

Voting Members											
Name	Interest	County	Year Term Expires*	10/4/2023 Dalchau Service Center Austin	7/12/2023 Dalchau Service Center Austin	4/26/2023 Dalchau Service Center Austin	1/11/2023 Dalchau Service Center Austin	10/26/2022 Dalchau Service Center Austin	7/27/2022 Dalchau Service Center Austin	4/27/2022 Dalchau Service Center Austin	
1 Babb, Paul	GMA 9	Blanco	n/a	X							
2 Berglund, Daniel	Small Business	Wharton	2026	X	Absent	X	X	X	X	Absent	
3 Brasher, Jim	GMA 15	Colorado	n/a	X	X	X	X	Absent	Absent	X	
4 Castleberry, Christianne	Water Utilities	Travis	2027	X	X	X	X	X	X	X	
5 Fauley, Jody	Counties	San Saba	2026	Absent	Absent	Absent	Elected				
6 Gillam, Lauri	Municipalities	Travis	2023	X	X	X	X	X	X	X	
7 Johnson, Barbara	Industries	Travis	2027	X	X	X	X	X	X	X	
8 Lindsay, David	Recreation	Travis	2024	X	X	X	X	X	X	X	
9 Loftus, Tim	GMA 10	Travis	n/a	X	Absent - Alternate Attended	X	Absent - Alternate Attended	X	Appointed by GMA		
10 Ludwig, Jason	Electric Gen. Utilities	Matagorda	2026	Absent	X	Absent	X	Absent	X	X	
11 Lutes, Teresa	Municipalities	Williamson	2027	X	X	X	X	X	Absent - Alternate Attended	X	
12 Luther, Jim	Counties	Burnet	2027	Absent	X	X	X	X	X	Absent	
13 Masters, Monica	River Authorities	Travis	2023	X	X	X	X	X	Elected		
14 McElroy, Ann	Environmental	San Saba	2027	Absent - Alternate Attended	X	X	X	X	Absent - Alternate Attended	X	
15 Olewin, Carol	Public	Travis	2026	X	X	X	X	X	X	X	
16 Olfers, Charles	Agriculture	Gillespie	2023	Absent	Absent	Absent	Absent	Absent	Absent	Absent	
17 Reagor, Mike	Municipalities	Llano	2023	X	X	X	X	X	X	X	
18 Ruggiero, Robert	Small Business	Travis	2024	X	Absent	X	Absent	X	Absent - Alternate Attended	Absent	
19 Sliva, Paul	Agriculture	Matagorda	2026	Absent	Absent	X	Absent	X	X	Absent	
20 Sodek, Mitchell	GMA 8	Burnet	n/a	X	X	X	X	X	X	X	
21 Totten, Jim	GMA 12	Bastrop	n/a	X	X	X	Absent	Absent	X	X	
22 Tybor, Paul	GMA 7	Gillespie	n/a	X	X	Absent	X	X	Absent - Alternate Attended	X	
23 Uecker, Emil	Counties	Blanco	2027	Absent	X	Absent	X	Absent	X	X	
24 Van Dresar, David	Water Districts	Fayette	2024	X	Absent	X	Absent	X	Absent	Absent	
25 Walker, Jennifer	Environmental	Travis	2027	X	Absent - Alternate Attended	Absent - Alternate Attended	X	X	X	Absent - Alternate Attended	

*Jan. 1/Dec. 31st of previous year (for example, 2021 terms expire Dec. 31st, 2020)

Item 5. October 4, 2023 Draft Meeting
Minutes

DRAFT MEETING MINUTES

Lower Colorado Regional Water Planning Group Meeting

October 4, 2023, 10:00 a.m.

LCRA Dalchau Service Center

3505 Montopolis Drive Austin, TX

Meeting materials and an audio recording of the full meeting proceedings are available at regionk.org/all-meetings

Voting Members Signed in:

Daniel Berglund, Small Business	Jason Homan, Counties (Alternate)
Jim Brasher, GMA 15	Monica Masters, River Authorities
Christianne Castleberry, Water Utilities	Paul Tybor, Industries
Jennifer Walker, Environmental	Carol Olewin, Public Interest
Lauri Gillam, Municipalities	Mike Reagor, Municipalities
David Lindsay, Recreation	Robert Ruggiero, Small Business
Barbara Johnson, Industries	David Van Dresar, Water Districts
Tim Loftus, GMA 10	Mitchell Sodek, GMA 8
Teresa Lutes, Municipalities	Jim Totten, GMA 12
Paul Babb, GMA 9-8	

Voting Members Absent:

Jody Fauley, Counties	Charles Olfers, Agriculture
Jason Ludwig, Electric Gen. Utilities	Emil Uecker, Counties
Ann McElroy, Environmental	Paul Silva, Agriculture
Jim Luther, Agriculture	

Support/Consultants/Visitors:

Adam Conner, FNI	Sara Eatman, Austin Water
Ron Fieseler	Emily Rafferty, Austin Water
Gary Rabalais, Quiddity	Nieves Alfaro, Quiddity

Annette Keaveny, LCRA

Lann Bookout, TWDB

Leonard Oliver, LCRA

Tom Englehart

Leslie Soto, LCRA

Alicia Smiley, B&V

Jamie Burke, B&V

Andrew Wier, SAWDF

Vanessa Chapman, Texas Department of
Wildlife

Tom Hegemier, LCRA

Richard Hoffpauir, Hoffpauir Consulting

Robert Adams, Plummer

Earl Wood, Water Utilities

Laurence Brown, TSSWCB

Jordan Furnans, LRE Water

Dacy Cameron, Aqua WSC

Monica Polgar, TWDB

Neil Deeds, INTERA

Emily Poston, Aqua WSC

Quorum

Quorum: Yes

Number of voting members or alternates representing voting members present: 19

Number required for quorum per current voting membership of 25: 13

Number of voting members required for 2/3 vote: 17

Formal Actions Taken:

1. A motion to officially recognize the appointment of Paul Babb to represent GMA 9 as a voting member to replace Ron Fieseler was approved.
2. A motion was approved to recognize the designation of Charlie Flatten as alternate for GMA9.
3. The minutes from the July 12, 2023, planning group meeting were approved with a minor correction.
4. A motion to approve the proposed surface water Hydrologic Variance Request packet with the edit to remove the word "interim" and to authorize technical consultant to submit the request to TWDB was approved.

Regular Meeting: (Time stamps match the audio recording that is available online)

1. Chair David Van Dresar called the meeting to order at 10:00 am.
2. Chair Van Dresar welcomed all to the meeting and asked that members introduce themselves. (1:00 – 2:15)
3. Public Comment (3:20 – 10:30)

- a. Andrew Wier, Simsboro Aquifer Water Defense Fund. Mr. Wier discussed the relationship between the Colorado River and the Carrizo-Wilcox aquifer and stated that the TWDB approved Groundwater Availability Model indicates that pumping groundwater in the Carrizo impacts water flow in the Colorado River and other surface waters. Mr. Weir described the outflows from the aquifer in relation to the Colorado River flow and asked Region K members to take note that water supply strategies that rely on increased production from the aquifer in Region K could reduce surface water available in the Colorado River below Austin. Mr. Wier suggested that the planning group consider the cost of water treatment for public water supplies for PFAS and PFOS below Austin on the Colorado River.
 - b. Jordan Furnans, LRE Water, representing Central Texas Water Coalition. Dr. Furnans suggested that the planning group should consider the impact of the drought we are currently in potentially becoming a new drought of record. Dr. Furnans developed a water model using LCRA daily published inflows that can be updated frequently. Dr. Furnans stated that his modeling shows that if 2024 is like 2023 in terms of drought conditions, we may enter a new drought of record in 2024.
4. Planning Group Membership – Secretary Teresa Lutes (10:51—21:10)
- a. Secretary Teresa Lutes asked the group to review the attendance information provided in the packet.
 - b. Chair David Van Dresar and the planning group acknowledged Ron Fieseler’s retirement.
 - i. Chair David Van Dresar presented Ron Fieseler with his recognition plaque.
 - c. Chair David Van Dresar asked the planning group to officially recognize the appointment of Paul Babb to represent GMA 9 as a voting member to replace Ron Fieseler. Monica Masters made a motion and Jennifer Walker seconded. The motion was approved with none opposed.
 - i. Paul Babb made a motion to recognize the designation of Charlie Flatten as alternate for GMA9 (as well as Environment). Jennifer Walker seconded the motion. Approved with none opposed.
 - d. Vanessa Chapman was recognized as a new non-voting member representing Texas Parks and Wildlife Department.
5. Chair David Van Dresar asked the planning group to review the July 12, 2023 LCRWPG regular meeting draft minutes. Secretary Teresa Lutes offered a minor correction to the minutes for the July 12, 2023, LCRWPG regular meeting. Mike Reagor made a motion to approve the minutes with the minor correction. Barbara Johnson seconded the motion. The motion is approved with none opposed. (21:10—24:10)
6. Committee Reports (24:10—56:50)
- a. Water Modeling Committee – Teresa Lutes, Committee Chair
 - i. John Albright, Freese and Nichols, presented on the Hydrologic Variance Request and explained its purpose. Teresa Lutes stated that the modeling committee

approved the recommendations for the proposed hydrologic variance request. There was discussion by David Lindsay regarding the possibility that a new drought of record may develop during this planning cycle.

- ii. Teresa Lutes made a motion to approve the proposed surface water Hydrologic Variance Request packet with the edit to remove the word “interim” and to authorize the technical consultant to submit to TWDB, Jim Brasher seconded the motion. The motion passed. David Lindsay abstained.

7. Consultant Report (57:00—1:24:50)

- a. Adam Conner, FNI, gave an update on the Water User Group (WUG) survey of water supplies and discussed the difference between water sources and supplies.
- b. Adam Conner, FNI, discussed the responses from TWDB on the submitted Region K population and GPCD revision request with the group.
- c. Neil Deeds, INTERA, provided a summary of the consultant’s progress to date.
- d. Upcoming efforts and key dates – Neil Deeds, INTERA
 - i. Neil Deeds provided a summary on the identification and revision of Infeasible Strategies in RWP. Mr. Deeds informed the group that the next two meetings will require a 14-day public comment period. The planning group discussed the new infeasible strategy identification requirements this cycle. Item 11a was moved up by Chair David Van Dresar to this point so that dates and location for the next regular meeting could be solidified. Mr. Deeds and the group discussed and decided on December 1st, 2023 for the next LCRWPG regular meeting.
 - ii. Neil Deeds provided a summary over the Technical Memorandum that is due March 4, 2024.

8. Texas Water Development Board (TWDB) Report – Lann Bookout, TWDB (1:24:50 – 1:29:30)

- a. Lann Bookout, TWDB, provided an update on regional water planning activities and schedules. The group discussed Texas Proposition 6, Creation of the Water Fund Amendment (2023).

9. Interregional Coordination Activities – Chair Van Dresar (1:29:25 – 1:30:40)

- a. Ron Fieseler provided a liaison report regarding the Region L meeting on August 3rd and told the group that he would no longer be the liaison. David Van Dresar said that filling the Region L liaison role should be added to the next agenda.

10. Chair David Van Dresar reviewed the financial report with the planning group and noted that the group is within the budget. (1:30:40—1:31:31)

11. Upcoming meetings, consider and take action as needed – Chair Van Dresar (1:31:35—1:39)

- a. The location and date of the next RWPG meeting was set in item 7d. The next RWPG meeting will be on Friday, December 1, 2023, at the LCRA Dalchau Service Center in Austin, Texas.
 - b. Other committee meetings:
 - i. The Water Modeling Committee meeting will be held on October 23, 2023, at Freese and Nichols.
 - ii. The Water Management Strategies Committee meeting will also be held on October 23, 2023, at Freese and Nichols.
12. No additional future agenda items were discussed. (1:39:01—1:39:45)
13. No additional public comments were provided.
14. Adjourn 11:43am. (1:43:53)

Item 7. Present results of analysis of potentially infeasible water management strategies and water management strategy projects in the 2021 Region K Water Plan

December 1, 2023

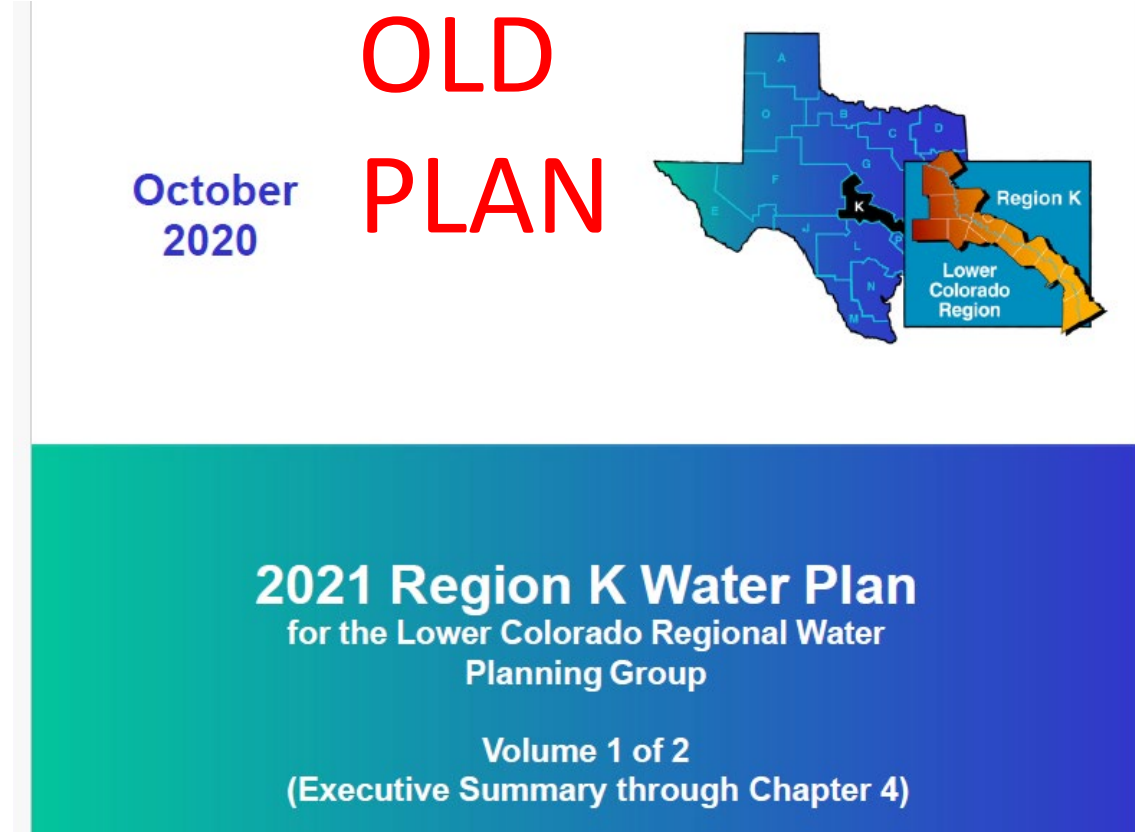
10:00 AM

Region K Planning Group Meeting



Agenda Item 7

Present results of analysis of potentially infeasible water management strategies and water management strategy projects in the 2021 Region K Water Plan



Infeasible Strategies: Background



- A new requirement for this cycle: “identify infeasible WMS in the 2021 RWP”
- At a minimum, review strategies/projects with an online decade of 2020
- Encouraged to review additional 2030+ WMS with long lead times
- Recommended strategies/projects for 2020 decade must be online and delivering water by January 5, 2023 or meet “affirmative steps” requirement
- Infeasible if:
 - Not currently implemented, and
 - Project sponsor not taken affirmative steps towards implementation (spending money, voting to spend money, applying for federal or state permits)
- Not required for strategies or projects that **do not require a permit or involve construction** (focus on reservoirs, desal, DPR, ASR, out of state transfers, etc)

Infeasible Strategies: Background



- TWDB provided data to each region
 - https://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2026/TWDBcomms_RegionSpecific.asp#Task4B
 - https://www.twdb.texas.gov/waterplanning/rwp/planningdocu/2026/TWDBComms/Task4BRegionData/2022_RWPG_WMS&ProjectInfeasibilityAnalysisTask_RegK.zip
- Each region must review both **strategies** and **projects**
 - Strategies divided into “demand reduction” and “source-related”
 - Source-related may or may not have an associated **project**
- Acronym alert
 - WMS = water management strategy
 - WMSP = water management strategy project
- TWDB provided spreadsheets for potentially infeasible WMSs and WMSPs, with two basic categories
 - “We must review” - supplies in 2020 decade
 - “Recommended we review” – long lead time projects with supplies 2030+ decades

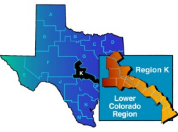
Infeasible WMSs: Findings



- **Summary: No strategies were found to be infeasible**
- **Strategies (without projects): 2020 decade – 128 strategies to review**
 - 118 strategies were demand-reduction based, where short-term water restrictions would be implemented, requiring no construction or permit, thus feasible
 - 2 strategies involved mining conservation in Burnet and Bastrop Counties: the strategies did not require construction or permitting, but involved simply rerouting water inside the mining operation (at zero capital cost), and thus were deemed feasible

Infeasible Strategies: Findings

October
2020



2021 Region K Water Plan
for the Lower Colorado Regional Water
Planning Group

Volume 1 of 2
(Executive Summary through Chapter 4)

- 8 strategies were source-related, and required reaching out to six sponsors who confirmed either no permit/construction or affirmative steps
 - Fayette County GCD – not “sponsor”, but could comment on groundwater strategies in Fayette County: (Gulf Coast aquifer groundwater expansion)
 - Austin Water: (Lake Operations)
 - Llano: (Emergency drought supply)
 - Meadowlakes: (add'l reclaimed water from Marble Falls)
 - LCRA: (interruptible water, blending brackish surface water at STPNOC, downstream return flows)
 - Travis County MUD #4: (additional water as-needed from Barton Creek WSC)

Infeasible WMSPs: Findings

- **Summary: No projects were found to be infeasible**
- **Projects: 2020 decade – 91 projects to review**
 - 69 projects included data gathering or water loss control, these do not require construction or a permit and are therefore feasible
 - 6 projects involved agricultural conservation, either on-farm or sprinkler implementation
 - They do not require a permit, whether they require “construction” is a grey area, however we reached out to stakeholders for information
 - LCRA, Daniel Berglund, NRCS offices confirmed these practices in use
 - 3 projects (county-wide sponsors) involved agricultural conservation, and refer to implementation of drip irrigation
 - NRCS offices confirmed that farmers in all three counties are implementing water conservation improvements to sprinkler systems and adding drip irrigation

Infeasible WMSPs: Findings

- **Projects: 2020 decade continued – 13 projects remaining**
 - One project was the Buda ASR, which is confirmed active (they constructed a demonstration well and have applied for permits with TCEQ and Barton Springs Edwards Aquifer GCD)
 - Eight projects were groundwater-based, and we reached out to sponsors to confirm affirmative steps
 - Fayette County GCD: (expansion of groundwater supplies)
 - Coastal Bend GCD: (expansion of groundwater supplies)
 - Coastal Plains GCD: (expansion of groundwater supplies)
 - Colorado County GCD: (expansion of groundwater supplies)
 - Hayes Trinity and Barton Springs Edwards Aquifer GCDs: (increased groundwater use for aggregate mining)
 - Mills County: no GCD, no clear sponsor, assumed similar to other counties with respect to increased groundwater supplies
 - Four projects were surface water-based, and we reached out to sponsors to confirm affirmative steps
 - Austin Water: reclaimed water
 - LCRA: irrigation conveyance improvements in Colorado, Wharton, and Matagorda counties

Item 8. Identify potentially feasible water management strategies process for the 2026 Region K Plan

Agenda Item 8

Identify potentially feasible water management strategies process for the 2026 Region K Plan



Agenda Item 8a

Present Region K process for identifying potentially feasible water management strategies for comment



Feasible Strategies for 2026 Plan: First Step



Approval of process for identifying potentially feasible water management strategies

- Consider TWDB guidelines on identifying potentially feasible strategies
- Water management strategies committee (WMSC) develops process for recommendation to Region K planning group
- Public Meeting (you are here)
 - Present process recommended by the WMSC
 - Allow discussion and comment by full Region K planning group
 - Take public comments on the Region K process for identifying potentially feasible strategies
 - RWPG to consider making any revisions to process, based on public comments and RWPG discussion
 - RWPG to take action to approve finalized process.

Feasible Strategies: TWDB guidelines



- A RWPG shall hold a public meeting to determine the process for identifying potentially feasible water management strategies
- After reviewing the potentially feasible strategies using the documented process, the RWPG shall list all possible water management strategies that are potentially feasible for meeting a need in the region

Feasible Strategies: TWDB guidelines



RWPGs shall consider these strategies (but are not limited to):

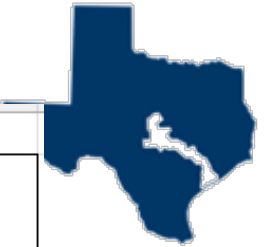
1. conservation
2. drought management
3. reuse
4. management of existing water supplies
5. conjunctive use
6. acquisition of available existing water supplies
7. development of new water supplies
8. developing regional water supply facilities or providing regional management of water supply facilities
9. developing large-scale desalination facilities for seawater or brackish groundwater that serve local or regional brackish groundwater production zones identified and designated under TWC §16.060(b)(5)34
10. developing large-scale desalination facilities for marine seawater that serve local or regional entities
11. voluntary transfer of water within the region using, but not limited to, contracts, water marketing, regional water banks, sales, leases, options, subordination agreements, and financing agreements
12. emergency transfer of water under TWC §11.139
13. interbasin transfers of surface water
14. system optimization
15. reallocation of reservoir storage to new uses
16. enhancements of yields
17. improvements to water quality
18. new surface water supply
19. new groundwater supply
20. brush control
21. precipitation enhancement
22. aquifer storage and recovery
23. cancellation of water rights
24. rainwater harvesting

Feasible Strategies: TWDB guidelines



- The Technical Memorandum, Initially Prepared Plan, and final adopted Regional Water Plan shall include:
 - the documented process used by the RWPG to identify potentially feasible WMS; and,
 - the list of all identified WMSs that were considered potentially feasible for meeting a need in the region

Feasible Strategies: TWDB guidelines



Template for Presenting Water Management Strategies Considered and Evaluated (see Exhibit C Section 2.5.1)																					
Every WUG Entity with an Identified Need	WUG Name	Maximum need 2030-2080 (af/yr)	WMSs to be considered by statute ¹											Additional WMSs to be considered by rule							
			conservation - water use reduction	conservation - water loss mitigation	drought management	reuse	management of existing supplies	development of large-scale marine seawater or brackish groundwater	conjunctive use	acquisition of available existing supplies	development of new supplies	development of regional water supply or regional management of water supply facilities	voluntary transfer of water (including regional water banks, sales, leases, options, subordination agreements, and financing agreements)	emergency transfer of water under Section 11.139	system optimization, reallocation of reservoir storage to new uses, contracts, water marketing, enhancement of yield, improvement of water quality	new surface water supply	new groundwater supply	brush management; precipitation enhancement	interbasin transfers of surface water	aquifer storage and recovery	cancellation of water rights
	WUG A	20,000	PF	PF	nPF	PF	PF	PF	PF	PF	PF	PF	PF	PF	PF	nPF	nPF	nPF	nPF	nPF	nPF
	WUG B	5,500	PF	PF	PF	PF	nPF	PF	nPF	PF	nPF	PF	nPF	PF	nPF	PF	nPF	nPF	PF	nPF	nPF

¹ Texas Water Code §16.053(e)(5)

nPF = considered but determined 'not potentially feasible' (may include WMSs that were initially identified as potentially feasible)

PF = considered 'potentially feasible' and therefore evaluated

(all pertinent information for WMS evaluations must be presented in the regional water plan, including for WMSs considered potentially feasible but not recommended)

Feasible Strategies: TWDB guidelines



- All recommended WMSs and water management strategy projects (WMSPs) that are entered into the State Water Planning Database and prioritized by RWPGs shall be designed to
 - reduce the consumption of water
 - reduce the loss or waste of water
 - improve the efficiency in the use of water, or
 - develop, deliver or treat additional water supply volumes to WUGs or WWPs in at least one planning decade such that additional water is available during DOR conditions.
- Any other RWPG recommendations regarding permit modifications, operational changes, and/or other infrastructure that are not designed to meet one of the above criteria shall be indicated as such and presented separately in the RWP and shall not be eligible for funding from the State Water Implementation Fund for Texas.

Feasible Strategies: TWDB guidelines



Evaluation of potentially feasible strategies shall include:

- Comparison of all potentially feasible WMS
- Quantitative analysis of quantity, reliability, cost, environmental factors, and impacts to agriculture
- Discussion of impacts on other water and natural resources
- Consideration of third-party social and economic impacts
- Consideration of water pipelines and facilities that are currently used for water conveyance
- Descriptions of impacts to water quality and of other factors deemed relevant including recreational impacts

Feasible Strategies: Proposed Process



- Define groupings or common areas with supply deficiencies
- Develop a comprehensive list of potentially feasible strategies for each area
 - Recommended and alternative strategies from previous Region K Water Plan
 - Strategies documented in local plans
 - Suggestions from the public
- Meet with potential suppliers/WUGs for each area to determine current strategies under consideration
- Prepare qualitative rating based on cost, reliability, environmental impact, and political acceptability for the various strategies
- Select one or more additional strategies for each area, if appropriate
- Present proposed shortlist at Public Meeting during Region K Planning Group meeting for modification and/or approval

Agenda Item 8b

Take public comments on the Region K process for identifying potentially feasible water management strategies



Agenda Item 8c

Region K planning group to consider planning group member and public comments to revise process for identifying potentially feasible water management strategies as needed and take action to approve process



Item 9. Consultant Report

Agenda Item 9a

Supply survey update



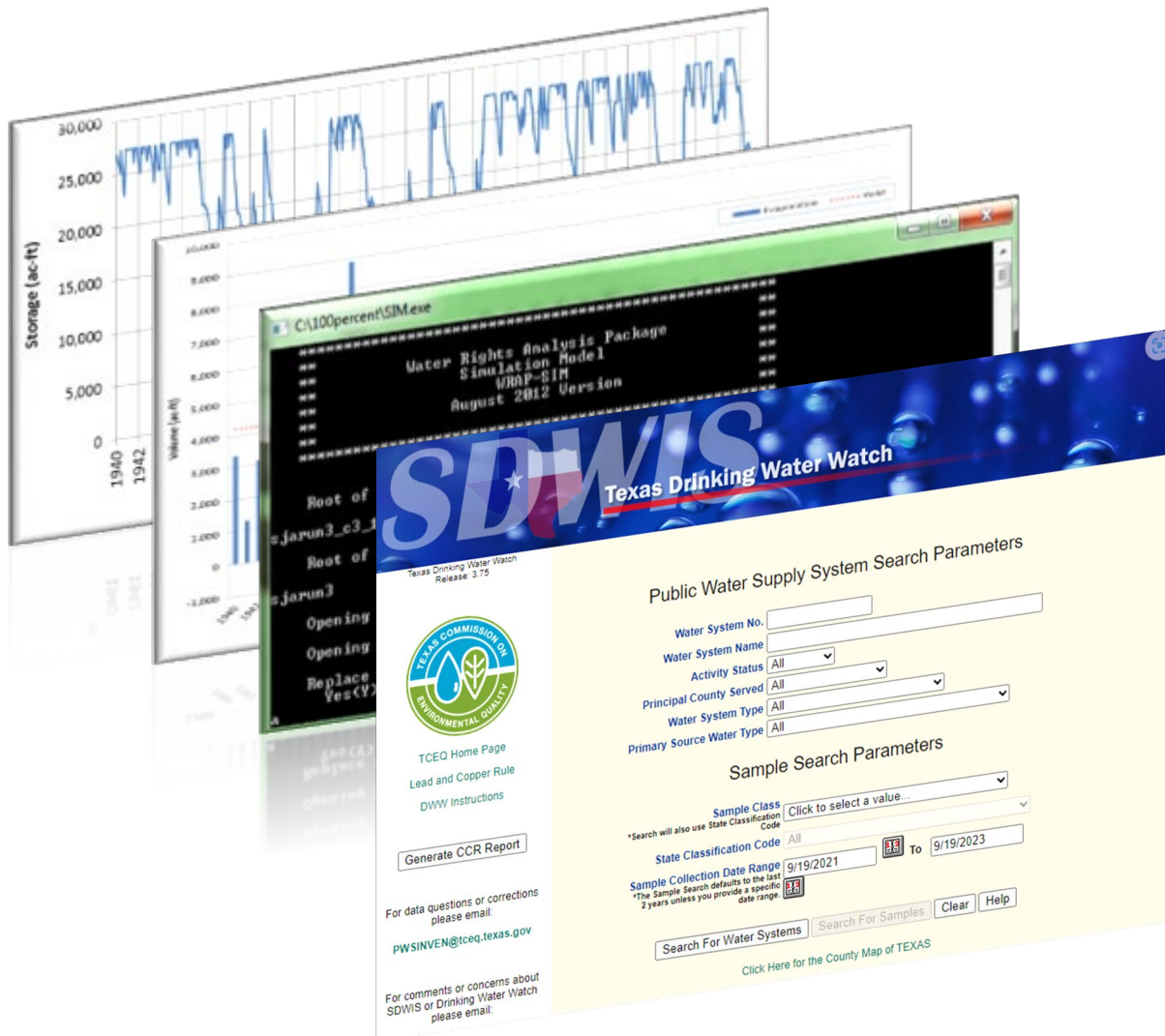
Agenda Item 9a

Task 3 Overview

Differences between “Source” and “Supply”



- **Source:** Evaluated by RWPGs
 - Surface water – TCEQ WAMs
 - Groundwater – MAG, peaking analysis
 - Reuse – Historic and infrastructure data
- **Supply:** Physical AND legally accessible
 - Water rights or source ownership
 - Contracts
 - Infrastructure





Agenda Item 9a

Supply Survey Update

Survey Stats



- Was distributed on August 15, 2023 and October 4, 2023 to 76 individuals representing **94 different WUGs**
 - Difficulty connecting with 5 WUGs but still attempting to make contact
 - County-Other not approached

- Have received feedback from **24 WUGs**

- 25% provide water on a wholesale basis
- 46% produce groundwater
- 25% produce surface water
- 17% use reclaimed water

- Windermere Utility
- Marble Falls
- Llano
- Hornsby Bend Utility
- Mid-Tex Utility
- Aqua WSC
- Pflugerville
- Flatonia
- Shady Hollow MUD
- Barton Creek West WSC
- Wharton
- Columbus
- Kingsland WSC
- Buda
- Dripping Springs WSC
- Wells Branch MUD
- West Travis County PUA
- Austin
- Elgin
- Goldthwaite
- Sunrise Beach Village
- Barton Creek WSC
- Jonestown WSC
- LCRA

- Survey Responses are an important data source for improving the accuracy of supply allocations

- Coordinating with other Regions with shared WUGs

Agenda Item 9b, 9c

Progress to Date & Upcoming Efforts



				2023					2024														
				Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
12	RWPG	Review draft projections and finalize adjustments with TWDB staff	2A, 2B																				
13	RWPG	Revision requests for draft non-municipal demands due	2A																				
14	RWPG	Revision requests for draft population and municipal demands due	2B																				
15	TWDB	TWDB Board adopts projections	2A, 2B																				
16	TWDB	DB27 prepared for data entry ^{B,C}	NA																				
17	TWDB/RWPG	DB27 individualized training for consultants	NA																				
18	TWDB	Updated MAGs released	3																				
19	RWPG	Evaluate water availability and existing water supplies	3																				
20	RWPG	Identify water needs	4A																				
21	RWPG	Identify infeasible WMSs in the 2021 RWPs	4B																				
22	RWPG	Technical Memo due	4C																				
23	RWPG	Amendments to 2021 RWPs to remove/revise infeasible WMSs	4B																				
24	RWPG	RWPG adopted amendments to 2021 RWPs to remove/revise infeasible WMSs due to TWDB	4B																				
25	RWPG	Identify potentially feasible WMSs	5A																				
26	TWDB/RWPG	Review and negotiate SOW submittals for WMS evaluations and issue notice-to-proceeds ^D	5B																				

Revision requests for draft non-municipal demands due 7/14/2023

Revision requests for draft population and municipal demands due 8/11/2023

Technical Memo due 3/4/2024

2021 RWP amendments fo



Agenda Item 9c

Key Dates and Upcoming Efforts

- Evaluate Supplies: Ongoing
- Evaluate Needs: Ongoing
- **RWPG meeting scheduled on January 10 in LaGrange**
 - TWDB requirement – 14 day notice
 - Draft Technical Memo Update
 - WMS scope/budget
- Technical Memo due March 4, 2024

Agenda Item 9 Consultant Report



Thank you!
Neil Deeds
ndeeds@INTERA.com



Item 12. Financial Report

The Lower Colorado River Water Planning Group (Region K)

December 1, 2023

Region K Members Fund Balance 10/31/2023: \$2,374.73

Administrative Expenses for Region K Grant Fund approval:

Task 10 – Cycle 6 - Admin Expense Budget (Original) \$6,000.00

Prior approved expenses (1/26/22, 4/26/22)

8/31/2021 LCRA – Blue Host Domain Name \$17.99

8/24/2021 LCRA – Texas Press Invoice # 15355 \$4,396.50

8/24/2021 LCRA – Postage for mailout \$244.29

2/15/2022 LCRA – Squarespace Inc.
Region K web page \$233.82

3/29/2022 LCRA – EIG Bluehost.com
Three year – Domain name and email hosting
For Region K website \$453.86

Task 10 – Cycle 6 - Admin Expense Budget Increase (2022-23) \$22,000.00

Previous approved expenses (3/30/23)

2/14/2023 LCRA – Squarespace Inc.
Region K web page \$272.79

Task 10 – Cycle 6 - Admin Expense Budget Remaining \$22,380.75

Contractor Expenses for Region K Grant Fund:

Technical Consultant Contract Summary: INTERA Team PO#131282										
LABOR PER TASK		Budget	Jan-22	May-22	Oct-22	Feb-23	Mar-23	TOTAL	Remaining	% Complete
<i>Task Breakdown</i>										
Task 1	Planning Area Description	\$ 11,312.00	\$ 1,440.00	\$ 5,542.00	\$ -	\$ -	\$ 180.00	\$ 7,162.00	\$ 4,150.00	63%
Task 2A	Non-municipal Water Demand Projections	\$ 22,016.00	\$ 90.00	\$ 5,276.00	\$ 1,350.00	\$ 6,452.50	\$ 5,075.20	\$ 18,243.70	\$ 3,772.30	83%
Task 2B	Population & Municipal Water Demand Projections	\$ 35,116.00	\$ 180.00	\$ 7,191.48	\$ 5,164.21	\$ 4,577.55	\$ 12,191.85	\$ 29,305.09	\$ 5,810.91	83%
Task 3	Water Supply Analysis	\$ 86,830.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86,830.00	0%
Task 4A	Water Needs Analysis	\$ 12,984.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,984.00	0%
Task 4B	Identification of Infeasible 2021 WMS	\$ 21,849.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,849.00	0%
Task 4C	Technical Memorandum	\$ 15,774.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,774.00	0%
Task 5A	Identification of Potentially Feasible WMS & WMP	\$ 17,200.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,200.00	0%
Task 5B	Evaluation & Recommendation of WMS & WMP	\$ 120,769.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,769.00	0%
Task 5C	Conservation Recommendations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	N/A
Task 6	Impacts of RWP & Consistency with Protection of Resources	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	N/A
Task 7	Drought Response Information, Activities, & Recommendations	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	N/A
Task 8	Recommendations/Unique Stream Segments/Reservoir Sites and Legislatives/Regional Policy Issues	\$ 9,633.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,633.00	0%
Task 9	Implementation & Comparison to the Previous Regional Water Plan	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	N/A
Task 10	Public Participation & Plan Adoption	\$ 96,826.00	\$ 4,620.32	\$ 9,152.71	\$ 3,420.00	\$ 11,004.06	\$ 900.00	\$ 29,097.09	\$ 67,728.91	30%
TOTAL		\$ 450,309.00	\$ 6,330.32	\$ 27,162.19	\$ 9,934.21	\$ 22,034.11	\$ 18,347.05	\$ 83,807.88	\$ 366,501.12	19%
<i>Budget Category Breakdown</i>										
Salaries & Wages		\$ 47,022.00	\$ 2,039.00	\$ 8,168.00	\$ 2,038.00	\$ 5,013.58	\$ 524.88	\$ 17,783.46	\$ 29,238.54	38%
Fringe		\$ 36,573.00	\$ 1,588.00	\$ 6,366.00	\$ 1,589.00	\$ 3,899.45	\$ 408.24	\$ 13,850.69	\$ 22,722.31	38%
Overhead		\$ 37,444.00	\$ 1,623.00	\$ 6,502.00	\$ 1,623.00	\$ 3,992.29	\$ 417.96	\$ 14,158.25	\$ 23,285.75	38%
Profit		\$ 24,092.00	\$ 1,050.00	\$ 4,206.00	\$ 1,050.00	\$ 2,568.68	\$ 268.92	\$ 9,143.60	\$ 14,948.40	38%
Travel		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	--
Other Expenses		\$ -	\$ 30.32	\$ -	\$ -	\$ -	\$ -	\$ 30.32	\$ (30.32)	--
Subcontractor Services		\$ 305,178.00	\$ -	\$ 1,920.19	\$ 3,634.21	\$ 6,560.11	\$ 16,727.05	\$ 28,841.56	\$ 276,336.44	9%
TOTAL		\$ 450,309.00	\$ 6,330.32	\$ 27,162.19	\$ 9,934.21	\$ 22,034.11	\$ 18,347.05	\$ 83,807.88	\$ 366,501.12	19%