

Region K Public Meeting

January 9, 2019

Lower Colorado Regional Water Planning Group
(Region K)



AECOM

Agenda



1. Call to Order
2. Welcome and Introductions
3. Discuss term expiration for members
4. Discuss and take action on vacant Burnet County position
5. Discuss voting member representation for Hays and Mills
6. Report on Nominating Committee Recommendations and take action on Executive Committee and Officers
7. Receive public comments
8. Attendance report

Agenda



9. Consent Agenda
10. TWDB Update
11. Committee Reports – Nominating, WMS, and others



Agenda Item 11b

WATER MANAGEMENT STRATEGIES COMMITTEE REPORT

11b. Water Management Strategies Committee Report

▼ Committee met on November 30th

- Discussion of water management strategies that are being newly requested this cycle – some fell under already scoped items.
- Committee decided whether or not to recommend, strategy by strategy, that the RWPG include it in the scope of work for strategy evaluation for this cycle.
- Discussion of WUGs with water needs in the 2020 decade
 - Strategies recommended to meet these needs should be limited to projects that can be constructed and online by January 2023.
- Began discussion of Irrigation and if any additional strategies (not already included in scope) should be considered.
- Recommendation by committee led to draft third amended Task 5A partial Scope of Work that will be presented today for discussion and consideration.

11b. Water Management Strategies Committee Report

▼ Committee met on November 30th

– New potentially feasible water management strategies that were identified that had not been specifically identified at a Region K meeting this cycle include:

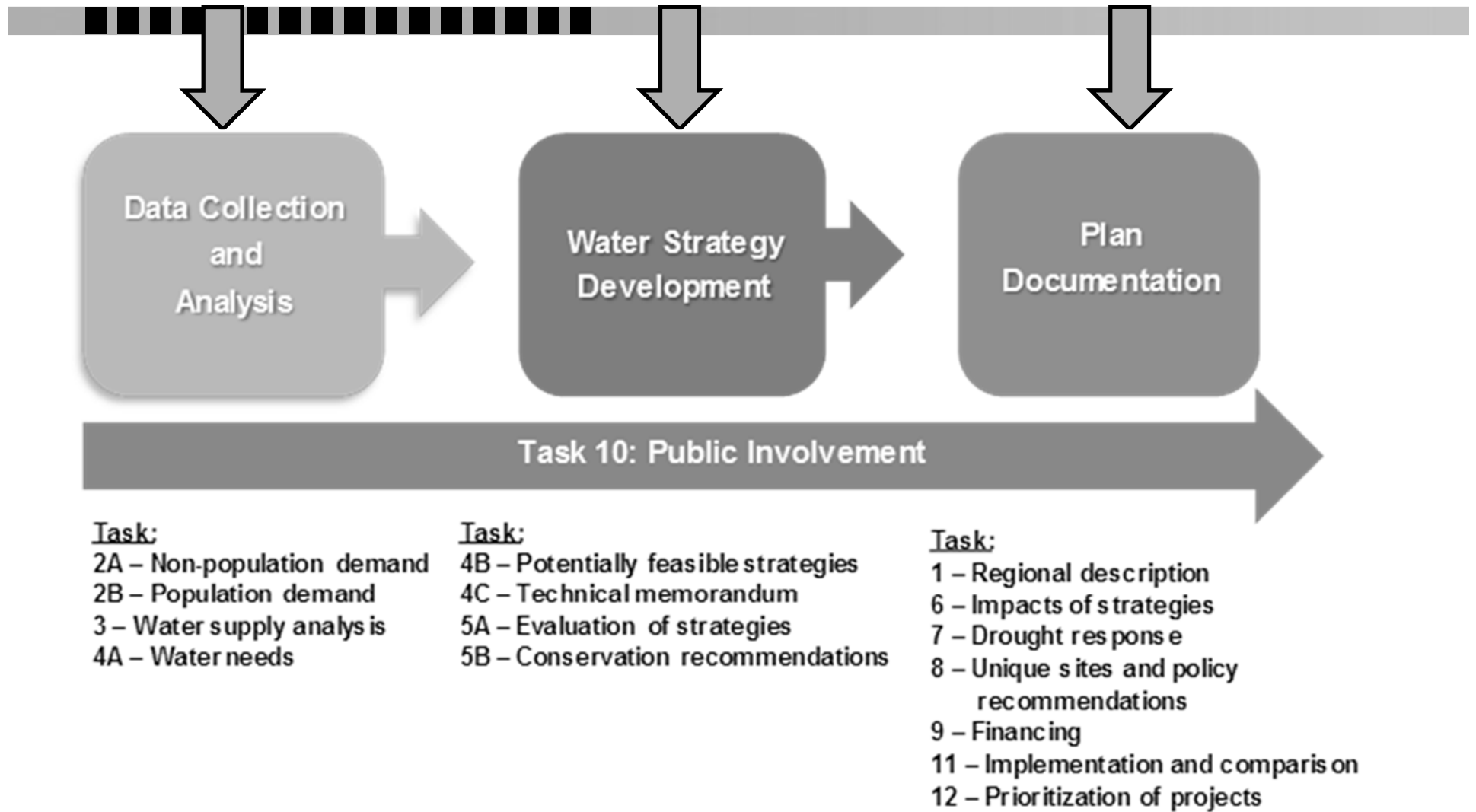
- Reservoir Capacity Expansion (for Llano and possibly others)
- Rainwater Harvesting (for WUGs other than City of Austin)



Agenda Item 12

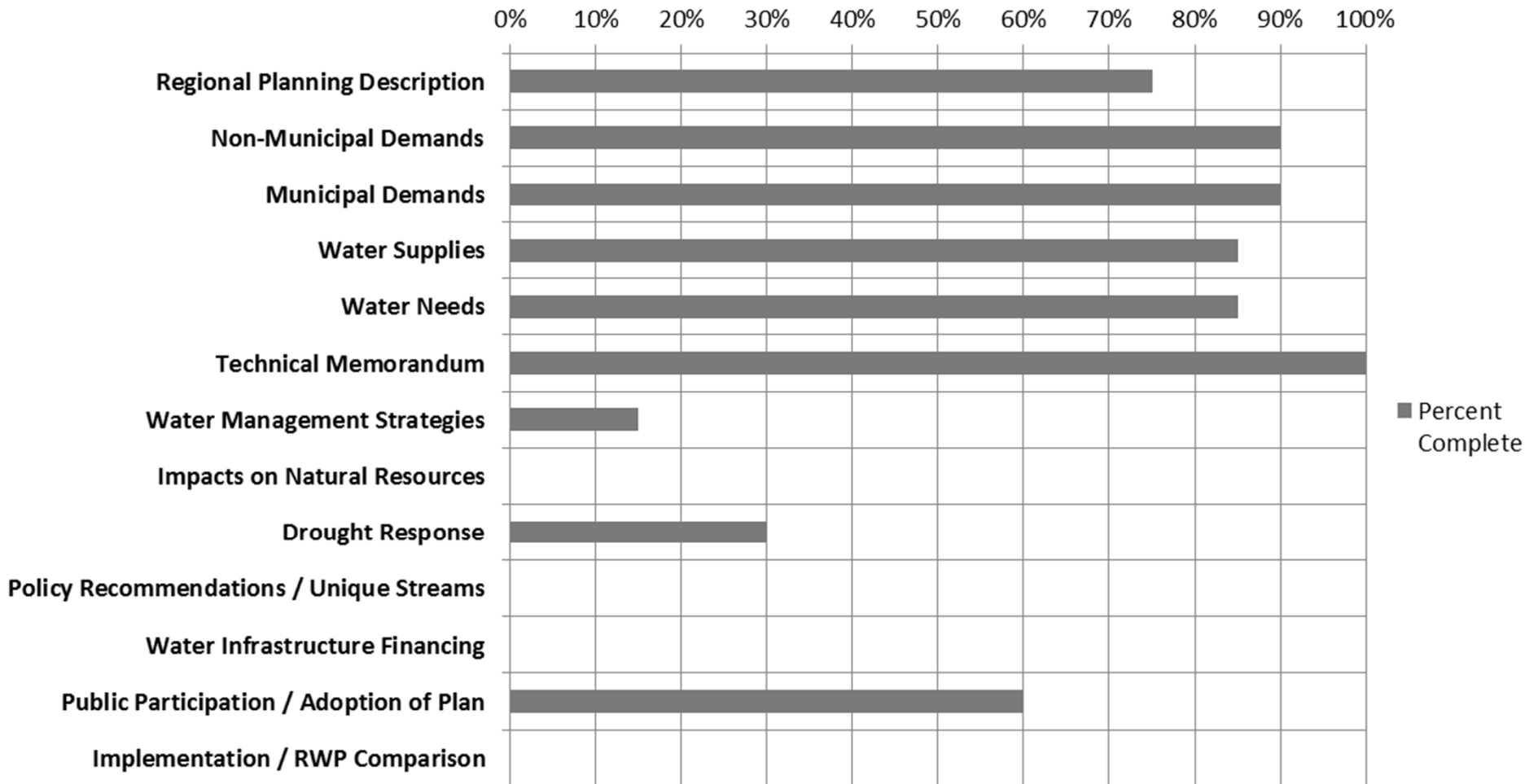
CONSULTANT STATUS REPORT

12. Consultant Status Report



12. Consultant Status Report

2021 Region K Plan Task Percent Complete



All tasks are now partially or fully funded

12. Consultant Status Report

Effort since last meeting (October 24, 2018)

- ▼ Completed Updating Chapter 2 of 2021 Plan – Population and Demand Projections
 - Discussion of methodologies and projections for population, municipal demand, and non-municipal demands.
 - Identification of Major Water Providers and their commitments.
 - Discussion of environmental demands – looking at options for keeping in main text or moving to an appendix.
 - Ready to send to Population and Demand Committee for initial review.

12. Consultant Status Report

Effort since last meeting (October 24, 2018)

- ▼ Nearly complete updating Chapter 1 of 2021 Plan – Regional Planning Area Description
 - Discussion of planning process
 - Description of the region
 - Physical characteristics – geology, climate, resources, etc.
 - Socioeconomic characteristics – population trends, economic activities, historical water uses, major water providers
 - Water quality
 - Agricultural and natural resource issues
 - Existing water planning in the region
 - Water audit data
 - Waiting on TCEQ water quality updates, will provide draft to entire RWPG when ready

12. Consultant Status Report

Effort since last meeting (October 24, 2018)

- ▼ Continued update of Chapter 3 of 2021 Plan – Water Availability and Supplies
 - Surface water availability methodologies and volumes (by source and basin)
 - Groundwater availability methodologies and volumes (by aquifer)
 - Summary of region-wide availability numbers
 - Major water providers' water availability
 - Water supplies for region
 - Getting closer to completion - will provide draft to Water Modeling Committee for initial review when ready

12. Consultant Status Report

Effort since last meeting (October 24, 2018)

- ▼ Continued update of Chapter 4 of 2021 Plan – Identification of Water Needs
 - County summaries of water needs
 - Summary of region-wide water supply shortages or “needs” and surpluses
 - Major water providers’ water availability
 - Getting closer to completion - will provide draft to entire RWPG for review when ready

12. Consultant Status Report

Effort since last meeting (October 24, 2018)

▼ Drought Response

- Continued updating Chapter 7 of Plan.
- Looking at scheduling a Drought Committee meeting for early 2019.

▼ Water Management Strategies

- Submitted 2nd amended partial scope of work for Task 5A (evaluation of water management strategies) to TWDB, based on RWPG approval on October 24th.
- Worked with Water Management Strategies Committee to consider additional strategies for evaluation to present to RWPG and near completion of Task 5A scope of work.
- Preparation of 3rd amended draft partial scope of work for Task 5A – evaluation of water management strategies for RWPG consideration. (later agenda item)

▼ Nominating Committee

- Coordinated meeting for officer candidates and at-large vacancies

12. Consultant Status Report

Effort since last meeting (October 24, 2018)

- ▼ Coordination with TWDB regarding comments on 2nd amended partial SOW for Task 5A:
 - Subtask 40 in 2nd amended partial scope of work for Task 5A was a strategy for City of Austin Conservation (\$4,000)
 - Received response from TWDB: Conservation must be separate from Reuse and Rainwater Harvesting. Reuse and Rainwater Harvesting are additional supply, not demand reduction.
 - Subtask 40 was broken into three subtasks – overall budget did not change
 - City of Austin Conservation (\$2,000)
 - COA Blackwater and Greywater Reuse (\$1,000)
 - COA Onsite Rainwater and Stormwater Harvesting (\$1,000)

12. Consultant Status Report

Upcoming effort

- ▼ Continue completion of updates to Chapters 1, 3, 4, and 7 for 2021 Plan. Hope to have drafts ready for RWPG review for most of these soon.
- ▼ Start evaluations of water management strategies. Continue to work with the Water Management Strategies Committee.
- ▼ Coordinate with irrigation representatives in lower basin to discuss water management strategies.
- ▼ Meet with Drought Committee to discuss task work.
- ▼ Legislative and Policy Committee to start meeting in 2019



Agenda Item 13

**DISCUSS AND CONSIDER
UPDATES TO NON-MAG
AVAILABILITY METHODOLOGIES**

9. Discuss and Consider Updates to Non-MAG Availability Methodologies

- ▼ Modeled Available Groundwater (MAG) volumes used for majority of the groundwater sources in the region.
- ▼ Several groundwater sources do not have MAG volumes because the GMAs identified the sources as non-relevant for joint planning purposes.
- ▼ At last Region K meeting, we discussed some potential methodology updates for the Marble Falls Aquifer in San Saba Co., and the Hickory Aquifer in Llano Co.
 - Question posed about the Llano Uplift GAM, which is an updated model.
 - TWDB is planning to provide non-relevant values for these aquifers, but likely won't be until the end of January.
- ▼ We will bring these updated values to you at the next Region K meeting.



Agenda Item 14

DRAFT TASK 5A AMENDED (THIRD) PARTIAL SCOPE OF WORK FOR EVALUATION OF WMS

14. Draft Task 5A Amended (Third) Partial Scope of Work

▼ Water Management Strategy Evaluation Task

- TWDB has allocated budget for this task (\$319,178).
- RWPG is required to prepare a scope of work for each strategy evaluation they want to perform.
- This scope of work must be presented for public input and RWPG approval before submitting to TWDB for their approval.
- The RWPG does not have to submit the entire scope of work at once. It can be submitted in pieces. Region K has already submitted two previous partial scopes of work for 48 strategies.
- It is recommended to leave a portion of the budget unallocated in case an unexpected strategy needs to be evaluated later in the process.
- TWDB must approve scope of work and issue Notice-to-Proceed before task work is allowed to begin.

14. Draft Task 5A Amended (Third) Partial Scope of Work

▼ Water Management Strategy Evaluation Task

- See Handout – first two partial SOWs with budgets are listed at top.
- Five new strategies added to Scope of Work for consideration:

49. City of Austin Off-Channel Reservoir

New strategy evaluation of an off-channel reservoir for the City of Austin, incorporating details of the Austin Water Forward Plan.

50. Bertram Off-Channel Reservoir

New strategy evaluation of an off-channel reservoir for the City of Bertram. Reservoir site is an old, unused quarry which has water supplied by a spring. Treatment and transport to an existing ground storage tank will be included in the evaluation.

51. Oceanwater Desalination

New strategy evaluation requested for consideration by LCRA, for LCRA and potentially other WUGs in Region K. Strategy evaluation will include description of treatment for removing dissolved solids from ocean water (Gulf of Mexico), and transmission to potential end user.

14. Draft Task 5A Amended (Third) Partial Scope of Work

– New strategies added to Scope of Work for consideration (continued)

52. Reservoir Capacity Expansion

New Strategy Evaluation to expand the existing surface water capacity of the Llano Reservoir and potentially other reservoirs. Specific to Llano, strategy will evaluate options including placement of a flashboard system along the reservoir to increase storage during times of drought.

53. Rainwater Harvesting

Update to rainwater harvesting strategy from last cycle, but will evaluate for potential WUGs other than City of Austin. Will consider for new developments at a community scale.

- ▼ Additional \$26,000 budgeted for total to date of \$299,000. Approximately \$20,000 remains unallocated.
- ▼ Requesting input from RWPG and the public on the partial scope.



Agenda Item 15

**RECEIVE PUBLIC COMMENTS
ON DRAFT TASK 5A AMENDED
(THIRD) PARTIAL SCOPE OF
WORK**



Agenda Item 16

**CONSIDER AND TAKE ACTION
ON DRAFT TASK 5A AMENDED
(THIRD) PARTIAL SCOPE OF
WORK**

16. Take Action on Draft Task 5A Scope of Work

- ▼ Consider approval of Amended (Third) Task 5A Partial Scope of Work.
- ▼ Consider approval to authorize LCRA to submit a request to the TWDB for a Notice-to-Proceed on the Amended (Third) Task 5A Partial Scope of Work and execute the subsequent contract amendments.
- ▼ Consider approval to authorize the Technical Consultant to make minor edits to the Amended (Third) Task 5A Partial Scope of Work based on comments received from TWDB.

Agenda



17. Discuss and consider action on designation of Ecologically Significant Stream Segments
18. Discuss and consider action to request TWDB to conduct a socioeconomic analysis of not meeting identified water needs for Region K for the 2021 Plan
19. Agenda items for next meeting
20. New / Other Business
21. Public Comments
22. Adjourn