Region K Public Meeting

September 15, 2020

Lower Colorado Regional Water Planning Group
(Region K)

AECOM

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Agenda

1. Call to Order
2. Welcome and Introductions
3. Receive Public Comments
4. Attendance Report
5. Approval of Minutes from August 12, 2020 meeting
6. TWDB Update

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Agenda Item 7

CONSULTANT STATUS REPORT

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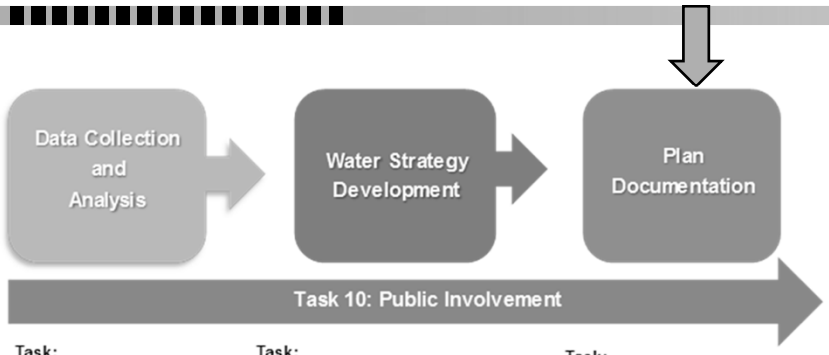
7. Consultant Status Report



Task:
2A – Non-population demand
2B – Population demand
3 – Water supply analysis
4A – Water needs

Task:
4B – Potentially feasible strategies
4C – Technical memorandum
5A – Evaluation of strategies
5B – Conservation recommendations

Task:
1 – Regional description
6 – Impacts of strategies
7 – Drought response
8 – Unique sites and policy recommendations
9 – Financing
11 – Implementation and comparison
12 – Prioritization of projects

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7. Consultant Status Report

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7. Consultant Status Report
Effort since last meeting (August 12, 2020)

- Completed chapter updates and submitted draft IPP comment responses to TWDB for review
- Held coordination meetings with TWDB and Austin
- Identified DB22 changes for meeting with TWDB based on IPP comments received from TWDB
- Updated Prioritization spreadsheet based on new projects associated with strategies and comments from Austin

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7. Consultant Status Report
Effort since last meeting (August 12, 2020)

- 9/14/2020: Pflugerville provided final TM regarding water rights alternatives, as accepted by staff and presented to Council. Pflugerville requested Region K work language into the descriptive body of the Plan, such that Pflugerville could show consistency with the Plan in funding applications with TWDB.
  - **Purchase treated water from Round Rock on a temporary basis.** This alternative is not spelled out in Region G or K plans, but an interim purchase of treated water is not inconsistent with the IPPs.
  - **Rehab Pflugerville's existing wells.** This is an operational issue within the City of Pflugerville and does not involve regional water planning.
  - **Import Return Flows from Williamson County.** The Region K plan as written fully contemplates this strategy; no changes necessary to the IPP.
  - **Purchase surface water from LCRA.** The Region K plan as written fully contemplates this strategy; no changes necessary to the IPP.

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7. Consultant Status Report
Upcoming Efforts

- Meet with TWDB to implement DB22 changes and print new reports
- Adopt 2021 Region K Plan
- Submit Adopted 2021 RWP in October 2020 to TWDB
- Send out letters addressing and responding to all public and agency comments received

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Agenda Item 8

DISCUSSION OF COMMENTS AND DRAFT RESPONSES FOR THE INITIALLY PREPARED PLAN

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8. IPP Comments and Responses

- Previously reviewed at discussed at August 12, 2020 meeting
  - 2-3. Chapter 3
  - 30-33. Chapter 7, Chapter 10, Chapter 11
- Chapter 11 – David Wheelock requested “LCRA Lane City Reservoir (removed from plan)” be clarified to “LCRA Lane City Reservoir (implemented strategy; moved to existing supply – see *Chapter 3*)”
- Received no additional comments from RWPG
- Draft comment responses and changes to plan have been submitted to TWDB for their review and approval. Additional changes may be needed depending on how TWDB responds.

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8. IPP Comments and Responses

- No Changes Made to Plan
  - 23. Section 5.2.5.4 and 5.2.5.5. Please ensure that the direct reuse (potable and non-potable) WMSs and associated project costs do not include distribution lines directly to residences or commercial businesses. Major transmission lines associated with delivering reuse supplies, for example to the general location of a major industrial park, may be acceptable in the final, adopted regional water plan.
    - *Response: It has been confirmed that all direct reuse water management strategies and associated projects do not include distribution lines.*
  - 27. Unit costs reported in DB22 appear notably high for the New Water Purchase – Llano WMSs. For example, unit costs are reported as $45,619 in 2020. Please confirm that the calculated unit costs are correct in DB22 and that costs were considered in WMS recommendations in the final, adopted regional water plan.
    - *Response: Costs for Llano's New Water Purchase strategy were considered at the November 13, 2019 Region K RWPG meeting. It was recognized that this strategy has a very high unit cost of water. Mike Reagor (Region K member representing municipalities and former mayor of Llano) explained that this strategy would not be feasible for long-term implementation, but it would be feasible during a period of drought; that is also recognized in Section 5.4.2.7. This Llano strategy for emergency water shortage conditions would be implemented by purchasing raw water from Burnet to be delivered by truck to the water treatment plant. As such, cost would depend on rates for hauling raw water and volumes to be transported. Llano provided a cost estimate consisting of an approximate 250,000 gallons per day, or 48 truckloads, supplied at $35,000/day. As such, the 2020 unit cost of $45,619/ac-ft is reported correctly.*

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8. IPP Comments and Responses

- The following comments have been addressed in the plan with track changes. The pages of the relevant chapters are included in your meeting material handouts.
- 1. General
  - Please confirm that all strategies shown as providing supply in 2020 are expected to be providing water supply by January 5, 2023.
    - *Response: Three of the strategies showing supply in 2020 were incorrectly entered in DB22. These are the LCRA Excess Flows Reservoir strategy, the Buda Direct Potable Reuse strategy, and the Buda Direct Reuse (Non-Potable) strategy. These three strategies should show supplies beginning in 2030, and DB22 will be corrected for these strategies. All other strategies shown as providing supply in 2020 are expected to provide water supply by January 5, 2023, although some strategies will only be implemented as needed (under severe drought conditions, for example). For those strategies, there are no project components that need to be constructed in order to implement the strategy.*

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8. IPP Comments and Responses

- 1. General
  - Please provide the specific basis on which the planning group anticipates that it is feasible that the aquifer storage and recovery, and five other surface water WMSs will all actually be online and providing water supply by January 5, 2023.
    - *Response:*
      - *ASR: As stated in Section 5.2.4.4.1 of the Initially Prepared Plan regarding the BS/EACD – Edwards/Middle Trinity ASR strategy, "At this time, one WUG has indicated interest and/or progress toward implementing this strategy. As of June 2019, Buda has completed a feasibility study for this strategy and allocated funds for a pilot test to begin in the fall of 2019, with facilities expected to be online in 2020. Strategy yield is expected to be 150 ac-ft/yr by 2020, with a full capacity of 600 ac-ft/yr reached by 2030."*
      - *The five "other surface water WMSs" include Austin – Lake Austin Operations; Blend Brackish Surface Water in STPNOC Reservoir; LCRA – Interruptible Water for Agriculture (LCRA WMP Amendments); New Water Purchase – Llano; and Water Purchase Amendment – Barton Creek WSC.*

(continued on next slide)

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8. IPP Comments and Responses

- 1. General
  - *Response (continued):*
    - *For the Austin – Lake Austin Operations strategy, a simple modification to the operation of Lake Austin would be involved should a severe drought occur and it need to be implemented. As it is in the Austin Water Forward Plan approved by City Council, action has taken place by the project sponsor to implement the strategy if needed, and no capital costs are needed to implement the strategy.*
    - *For the Blend Brackish Surface Water in STPNOC Reservoir strategy, implantation would only be needed under extreme drought conditions if the reservoir fell below a certain level. Infrastructure is already in place for this strategy if it is needed.*
    - *For the LCRA – Interruptible Water for Agriculture (LCRA WMP Amendments), this strategy is already implemented, and is included as a strategy because it is not able to be included in the supply modeling for the firm yield analysis.*
    - *For the New Water Purchase – Llano strategy, the utility discussed the potential need for this strategy during the last severe drought. Purchasing trucked in water is an option that will be implemented only if needed during extreme drought situations.*
    - *For the Water Purchase Amendment – Barton Creek WSC strategy, this is a simple contract amendment that would be able to be implemented quickly if projected water demands and/or drought situation cause their current water contract to not be sufficient. No capital costs would be needed.*

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8. IPP Comments and Responses

- 1. General
  - In the event that the resulting adjustment of the timing of WMSs in the plan results in an increase in near-term unmet water needs, please update the related portions of the plan and DB22 accordingly.
    - *Response: Making the proper corrections to DB22 did not result in any increases in near-term unmet water needs.*
  - Please be advised that, in accordance with Senate Bill 1511, 85th Texas Legislature, the planning group will be expected to rely on its next planning cycle budget to amend its 2021 Regional Water Plan during development of the 2026 Regional Water Plan, if recommended WMSs or projects become infeasible, for example, due to timing of projects coming online.

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8. IPP Comments and Responses

- 4-6. Chapter 4
  - 4. Section 4.3.1. The plan does not appear to include identified water need volumes for major water providers (MWP) reported by category of use. Please report the results of the needs analysis for MWPs by categories of use (municipal, mining, manufacturing, irrigation, steam electric, and livestock) in the final, adopted regional water plan.
    - *Response: Tables have been added to Section 4.3, Major Water Provider Needs, identifying needs by category of use for each MWP.*
  - 5. While the results of the secondary needs analysis is presented in Appendix ES.G for water user groups (WUGs), please include a discussion of this needs analysis to Chapter 4 in the final, adopted regional water plan.
    - *Response: Section 4.4, Second-Tier Water Needs, is a new section added to Chapter 4. Section 4.4.1 includes a discussion of secondary water needs for Water User Groups.*
  - 6. Please present the results of the secondary needs analysis by decade for MWPs in the final, adopted regional water plan.
    - *Response: Section 4.4, Second-Tier Water Needs, is a new section added to Chapter 4. Section 4.4.2 includes a discussion of secondary water needs for Major Water Providers.*

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8. IPP Comments and Responses

- 7-28. Chapter 5 (excluding 23 and 27 – no changes made to plan)
  - 7. Page 5-76. Please clarify how the firm yield for the proposed Austin Off-Channel Reservoir was estimated and whether the yield was estimated in accordance with the Region's approved hydrologic variance in the final, adopted regional water plan.
    - *Response: Strategy has been expanded to clarify that the models used for Austin's Water Forward Plan were not used to develop the firm yield for the 2021 Region K Plan. The Austin Off-Channel Reservoir water management strategy was added into the approved Region K Cutoff Model, and the OCR firm yield was calculated for the Region K Drought of Record period, October 2007 through December 2016, in accordance with Region K's approved hydrologic variance. Modeling results indicate that the firm yield of municipal supply from the OCR is projected to be about 25,000 acre-feet per year.*
  - 8. It is not clear from the plan what methodology was used to estimate the amount of future direct reuse water available from such sources. Please describe the methodology in the final, adopted regional water plan.
    - *Response: Section 5.2.5.5 (Direct Reuse (Non-Potable)) was updated to clarify that direct reuse yield information was obtained directly from Water User Groups.*

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8. IPP Comments and Responses

- 7-28. Chapter 5 (excluding 23 and 27 – no changes made to plan)
  - 9. Please clarify whether all potentially feasible water management strategies were evaluated under drought of record conditions and document this information in the final, adopted regional water plan.
    - *Response: Section 5.1 (Potential Water Management Strategies) was expanded to clarify that all potentially feasible water management strategies were evaluated under Drought of Record conditions.*
  - 10. The plan includes WMS projects that appear to come online after the related WMS is initially online providing supply. For WMS projects that are the basis for a strategy to deliver water, please ensure that the project is associated with the initial decade, or earlier decade, that the strategy is delivering supply. In the event that the resulting adjustment of the timing of WMSs in the plan results in an increase in near-term unmet water needs, please update the related portions of the plan and DB22 accordingly.
    - *Response: Three strategies showing supply in 2020 were incorrectly entered in DB22. These are the LCRA Excess Flows Reservoir strategy, the Buda Direct Potable Reuse strategy, and the Buda Direct Reuse (Non-Potable) strategy. These three strategies should show supplies beginning in 2030, and DB22 will be corrected for these strategies.*

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8. IPP Comments and Responses

- 7-28. Chapter 5 (excluding 23 and 27 – no changes made to plan)
  - 11. Bastrop County WCID 2 receives WMS supply from a proposed interbasin transfer WMS yet does not have any recommended conservation WMS supply. Please ensure that water conservation practices are recommended for this WUG.
    - *Response: Section 5.2.2.3 (Municipal Conservation) was updated to include a recommended conservation strategy for Bastrop County WCID 2. The strategy recommends a 5% reduction in 2060, resulting in a demand reduction of 4 GPCD. Due to the small reduction, there are no capital costs associated with this strategy. DB22 has been updated to include strategy.*
  - 12. Demand reduction WMS supply data in DB22 indicates that there are approximately 40 WUGs within Region K where supply from demand reduction WMSs will reduce projected demands by 40 percent or greater in at least one planning decade. Please confirm the feasibility of obtaining this magnitude of the demand reduction volumes in the final, adopted regional water plan.
    - *Response on next slide.*

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8. IPP Comments and Responses

- 7-28. Chapter 5 (excluding 23 and 27 – no changes made to plan)
  - 12. Please confirm the feasibility of obtaining a >40% demand reduction volumes.
    - *Response: Two WUGs, Georgetown and Cedar Park, were found to be double-counting municipal conservation between Region K and Region G. One of these municipal conservation strategies will be removed; the RWP and DB22 will be updated accordingly.*
      Demand reduction consists of conservation and drought management water management strategies. The Water Conservation Implementation Task Force (WCITF) recommended a 1 percent per year reduction in per capita water demand in order to reach the target demand of 140 GPCD. Over the planning period (50 years), if a WUG has a GPCD greater than 140, a WUG would reduce their projected demands by up to 40%. The Region K conservation strategy requested by the Lower Colorado Regional Planning Group reduces the GPCD by 10% each decade until it reaches 140; if a WUG has a high GPCD in 2020 and doesn't reach 140 by 2070, the overall reduction is about 45%. The Region K drought management either reduces post-conservation GPCD by 20% each decade if the GPCD is greater than 100 or defers to a WUG's DCP "Severe" trigger response goal when possible. As some WUG's "Severe" trigger response goals aim for 25% or 30% reduction, the aims increase demand reduction. A WUG with a high GPCD that does not reach 140 by 2070 and a 20-25% drought management reduction has an overall demand reduction of 56-59%. As water conservation follows the WCITF recommendations and drought management follows the WUGs' trigger response goals, the reductions should be feasible during Drought of Record conditions. Section 5.2.4.9.1 (Drought Management – Municipal Utilities) has been updated acknowledging the feasibility.

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8. IPP Comments and Responses

- 7-28. Chapter 5 (excluding 23 and 27 – no changes made to plan)
  - 13. Appendix 5D. Please provide the cost of acquiring the acreage for the conservation pool in the Cost Summary for the Austin Off-Channel Reservoir.
    - *Response: Costs for Land Acquisition and Surveying are included in Appendix 5D. Strategy was also updated to note that the cost for land is assumed to be a percentage of facility costs.*
  - 14. Please provide documentation that all costs associated with the Austin Water Forward Plan were indexed to 2018 dollars and that the required capital cost components were evaluated for each strategy.
    - *Response: All costs provided by the Austin Water Forward Plan were parsed out and input into the TWDB Unified Costing Model in 2018 dollars. The following language was added to Austin strategies: "In order to provide a comparable cost consistent with other strategies in this report, annual costs were developed using the Texas Water Development Board (TWDB) Cost Estimating Tool in September 2018 dollars." After coordination with TWDB staff, required capital cost components were updated for several strategies.*

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8. IPP Comments and Responses

- 7-28. Chapter 5 (excluding 23 and 27 – no changes made to plan)
  - 15. Section 5.2.3.2.2. The strategy evaluation for Blackwater and Greywater Reuse does not appear to document the methodology for the WMS yield calculations. Please provide additional information on how the yield was determined and show how the quantified yield estimates for this WMS will be available throughout the full period of drought of record conditions. Additionally, the evaluation indicates that significant annual costs ($47M) were excluded from the plan. All capital and annual, and unit costs associated with developing water supply yield, even within the distributed locations, must be included in the plan and DB22. Please reconcile this information and data in the final, adopted regional water plan.
    - *Response: Strategy evaluation has been updated with a more detailed yield estimate methodology and costing. The yield provided is available throughout the full period of drought of record conditions.*

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8. IPP Comments and Responses

- 7-28. Chapter 5 (excluding 23 and 27 – no changes made to plan)
  - 16. Section 5.2.3.2.5. The strategy evaluation for Onsite Rainwater and Stormwater Harvesting and Community-Scale Stormwater Harvesting WMSs states that implementation of either as a WMS is dependent upon the "catchment area, storage capacity, rainfall frequency, and water demand of the end user." Please clearly document whether the quantified yield for this WMS will be available at each distributed location throughout the full period of drought of record conditions and, if so, include the necessary storage capacity calculations, land requirements, and other implementation requirements to achieve this sustained, drought of record yield in the final, adopted regional water plan. Additionally, capital and annual costs associated with developing this proposed water supply yield, even within the distributed locations, must be included in the plan and DB22. Please reconcile this information and data in the final, adopted regional water plan.
    - *Response: Yields and unit costs have been re-evaluated, and Modeling has shown that yields from the Onsite Rainwater and Stormwater Harvesting and the Community-Scale Stormwater Harvesting strategies are available every year during the drought of record. The strategy evaluation has been clarified to state that water availability beyond the expected yields is largely dependent on variable factors. Additionally, the yields shown are a total for the Austin WUG, based on multiple locations. The estimated number of locations that the total yield is based on has been added to the strategy description. Costing has been updated.*

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8. IPP Comments and Responses

- 7-28. Chapter 5 (excluding 23 and 27 – no changes made to plan)
  - 17. Section 5.2.4.6. The strategy evaluation for Rainwater Harvesting states that the implementation is dependent upon the "catchment area, storage capacity, rainfall frequency, and water demand of the end user." Please clearly document whether the quantified yield for this WMS will be available at each location and also throughout the full period of drought of record conditions and, if so, include the necessary storage capacity calculations, land requirements, and other implementation requirements to achieve the sustained, drought of record yield in the final, adopted regional water plan. Additionally, capital and annual costs associated with developing this proposed water supply yield, including the distributed investments in multiple locations, must be included in the plan and DB22. Please reconcile this information and data in the final, adopted regional water plan.
    - *Response: Strategy has been updated with additional information confirming drought of record yield and storage capacity. A project with capital and annual costs has been added to the strategy and will be added to DB22.*

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8. IPP Comments and Responses

- 7-28. Chapter 5 (excluding 23 and 27 – no changes made to plan)
  - 18. Section 5.2.3.2.8. The strategy evaluation for the Decentralized Direct Non-Potable Reuse WMS appears to be developing new water supply within the WUG system. All capital and annual costs associated with developing water supply, even within the distribution system, must be included in the plan and DB22. Please reconcile this information and data in the final, adopted regional water plan.
    - *Response: Collection pipeline and pump station costs have been included in the costing for the Decentralized Direct Non-Potable Reuse strategy. DB22 has been updated.*
  - 19. Section 5.2.3.2.9. The strategy evaluation for the Capture Local Inflows to Lady Bird Lake indicates that the WMS will be intermittent and seasonal. Please remove the strategy from the plan as presented since it would not provide reliable water supply during severe drought conditions with associated reliable yield unit costs.
    - *Response: Strategy language was updated to clarify that while the strategy may not intend to produce a yield year-round, the annual yield modeled is for drought of record conditions and that yield is available in every year of the drought. For example, most of the 3,000 ac-ft may be provided during the winter months, but it is still an overall annual yield of 3,000 ac-ft under drought conditions.*

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8. IPP Comments and Responses

- 7-28. Chapter 5 (excluding 23 and 27 – no changes made to plan)
  - 20. Section 5.2.3.11. The strategy evaluation for the Longhorn Dam Operations Improvements notes components, including security upgrades, electrical updates, gate improvements, and data acquisition and monitoring that do not appear to increase water supply volumes. Please remove the WMS from the plan or demonstrate how these items would directly increase the water supply volumes above what is currently available. Please provide a breakout of all project components with capital costs. Do not include any costs for maintenance of, or upgrades to, or rehabilitation to existing equipment that do not directly increase the volumetric water supply, above and beyond the supply volume that could have been provided had the facilities been properly maintained, in the final, adopted regional water plan.
    - *Response: Strategy and associated costs have been amended to only include the addition of new bascule gate controls to increase the efficiency of gate operations and reduce water loss downstream; this helps to reduce water lost from Lady Bird Lake due to normal dam operations.*

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8. IPP Comments and Responses

- 7-28. Chapter 5 (excluding 23 and 27 – no changes made to plan)
  - 21. Section 5.2.3.12. The strategy evaluation for the Lake Austin Operations indicates that the supply will not be available throughout a repeat of a drought of record since the "potential stored water benefits would only be available when rainfall and lake level conditions allow." Please either remove the strategy from the plan as presented or modify the strategy in a manner that would provide reliable water supply during drought conditions and present the reliable yield, along with the calculations on which it is based, and the associated unit cost along with calculations showing the basis for the reliable yield calculation in the final, adopted regional water plan.
    - *Response: Strategy has been expanded to clarify that it provides supplemental water during the drought of record. In cases when Lake Austin Operations are not available as a supplemental water supply, Austin, as a major water provider, will continue to use water from its Colorado River rights and LCRA back-up contract, in addition to other water management strategies. Austin Water has an overall plan to use firm and supplemental water supplies as a system to provide water through a drought of record. Yield and unit cost have been re-evaluated, and modeling done for this strategy shows that the supply included in Region K is available during the drought of record. This is similar to how the supply volumes are calculated in Chapter 3 for the Highland Lakes and LCRA Backup.*

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8. IPP Comments and Responses

- 7-28. Chapter 5 (excluding 23 and 27 – no changes made to plan)
  - 22. Section 5.2.4.8. The strategy does not present discrete proposed brush control projects and approximate locations. Please show proposed locations and sizes of brush control areas (acreage for each county) and the associated water supply yield based on those locations or remove the WMS from the plan. Please demonstrate how the quantified supply estimates for the Brush Management WMS will be available in a sustained manner throughout drought of record conditions in the final, adopted regional water plan.
    - *Response: Strategy has been updated with assumed acreage for each county and associated water supply yield. Language has been added explaining that the quantified supply estimate will be available in a sustained manner throughout drought of record conditions as the increased permeability in the soil allows for additional deep drainage; these estimates assume the minimum rainfall and do not account for any surface water inflows.*

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8. IPP Comments and Responses

- 7-28. Chapter 5 (excluding 23 and 27 – no changes made to plan)
  - 24. Section 5.2.4.3.2. Recommended strategy supplies for the Alliance Regional Water Authority Pipeline WMS appear to be inconsistently reported for Buda in Table 5.101 and DB22. Please revise this information as appropriate in the final, adopted regional water plan.
    - *Response: Table 5.101 has been corrected to be consistent with DB22. Region L confirmed with ARWA and GBRA that the project would be providing water supplies by the January 5, 2023 deadline.*
  - 25. The WMS evaluations do not appear to include quantified impacts on all of the required environmental factors (environmental water needs, wildlife habitat, cultural resources, and effect of upstream development on bays, estuaries, and arms of the Gulf of Mexico). Please include a quantitative reporting of each environmental factor for each WMS evaluated in the final, adopted regional water plan.
    - *Response: The water management strategy descriptions in the main text of Chapter 5 have been updated to include a quantitative reporting of all environmental factors for each strategy.*

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8. IPP Comments and Responses

- 7-28. Chapter 5 (excluding 23 and 27 – no changes made to plan)
  - 26. The plan does not appear to include quantitative impact information for agricultural resources in each of the WMS descriptions. Please include a quantitative impacts analysis for agricultural resources for each WMS evaluated in the final, adopted regional water plan.
    - *Response: The water management strategy descriptions in the main text of Chapter 5 has been updated to include a quantitative reporting of impacts to agricultural resources for each strategy.*
  - 28. Appendix 5D. The plan, in multiple instances, does not appear to include MGD, pipe diameters, or pipe length information in some strategy evaluations costing report tables. Please provide this information or remove the zeros from the costing outputs in the final, adopted regional water plan.
    - *Response: Region K utilized "Simplified Hydraulics" rather than "Advanced Hydraulics" in the Unified Costing Model (UCM). Using "Simplified Hydraulics" generates and displays a cost for pipe, but the MGD, diameter, and length do not display due to a coding error in the UCM. Zeros have been removed from the costing outputs.*

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8. IPP Comments and Responses

- 29. Chapter 6
  - Please include the TWDB Socioeconomic Impacts of Projected Water Shortages Report as an appendix to Chapter 6 rather than Chapter 4 in the final, adopted regional water plan.
    - *Response: Appendix 4B has been moved to Appendix 6B.*

- Additional: Chapter 6
  - Austin requested amending 6A appendix title and appendix table headers:
    - Replace the phrase “Including Separate Return Flows Run” with "Including Separate Strategy Runs"
    - Replace the phrase “Including Separate Return Flows Run Showing Just the Return Flow Strategies” with "Including Separate Strategy Runs"
  - Purpose of different table headers is to clarify that the two tables are separate and only the return flows are included.
  - Purpose of Appendix 6A is to show additional results for a model run that only included return flow strategies.

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8. IPP Comments and Responses

- Additional: Chapter 8
  - Appendix 8A (Unique Stream Segment Recommendations for Further Study from the 2006 Region K Plan) - Austin requested amending the fourth sentence of the first paragraph of Section 8A.4 (Colorado River Within TCEQ Classified Stream Segments 1428 and 1434 in Travis, Bastrop, and Fayette Counties)
    - *Original sentence:* The occurrences of low instream flows often depend on the discharge rate of return flows from the City of Austin.
    - *Revised sentence:* Return flows from various sources, including the City of Austin, can be a significant contributor to instream flow during dry periods.

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8. IPP Comments and Responses

- Level 2: Comments and suggestions for consideration that may improve the readability and overall understanding of the regional water plan
  - 1. Section 2.4.3 and 2.4.4. Please make the following correction: Environmental flow standards are located in 30 TAC, 298 Subchapter D - not 30 TAC, 398 Subchapter D.
    - *Response: The language has been revised to read 30 TAC, 298 Subchapter D.*
  - 2. Please consider including an identification number (Section Number [e.g. 5.2.3.1.11]) on pages 6-6 and 6-7 to clearly identify WMSs that were considered in cumulative impacts analysis on environmental flows.
    - *Response: Section numbers have been added to the lists on pages 6-6 and 6-7.*

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8. IPP Comments and Responses

- Level 2: Comments and suggestions for consideration that may improve the readability and overall understanding of the regional water plan
  - 3. Section 3.2.2. Please consider adding information on the Cross Timbers Aquifer, which is present in Mills and San Saba counties.
    - *Response: In July 2018, the TWDB reached out to Region K to see if the Region would like to submit requests to add non-MAG Cross Timber Aquifers to the DB22 database. The region consulted Mitchell Sodek, General Manager of the Central Texas GCD, who responded that it should be left out of the plan for the 2021 cycle. At the time, there was no readily available information for the aquifer in Mills County, and GMA 8 had no figures for this newly designated aquifer. It is classified as "other aquifer" in the 2021 Region K Plan. No changes have been made.*

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8. IPP Comments and Responses

- Level 2: Comments and suggestions for consideration that may improve the readability and overall understanding of the regional water plan
  - 4. Pages 3-36, 3-43, 3-46. Please consider clarifying that the DFC-compatible groundwater availabilities for non-relevant aquifers were provided by the TWDB as part of TWDB's informal comments on the Region K Technical Memorandum.
    - *Response: The sentence reading "The TWDB staff conducted a modeling analysis related to the Llano Uplift aquifers and provided DFC-compatible "non-relevant" groundwater availability values…" was amended to read, "As part of TWDB's informal comments on the Region K Technical Memorandum, the TWDB staff conducted a modeling analysis related to the Llano Uplift aquifers and provided DFC-compatible "non-relevant" groundwater availability values…" in each section.*
  - 5. Chapter 3. Please consider separating reuse from the surface water section, as reuse is considered as a distinct water supply for the purposes of regional water planning.
    - *Response: Section 3.2.1.1.2.5 (Current Available Reclaimed Water) has been moved to a new water supply section 3.2.3.*

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8. IPP Comments and Responses

- Level 2: Comments and suggestions for consideration that may improve the readability and overall understanding of the regional water plan
  - 6. Section 5.2.2, page 5-7. Please consider adding that entities with 3,300 or more connections, as well as those having a financial obligation greater than $500,000 with TWDB are also required to submit water conservation plans.
    - *Response: Section 5.2.2 has been updated to include the information that entities with 3,300 or more connections, as well as those having a financial obligation greater than $500,000 with TWDB are also required to submit water conservation plans.*
  - 7-9. The GIS files submitted for WMS projects do not include the minimum required metadata, adhere to the contractually required naming convention, or include all of the required attribute fields listed. Please include this information with the final GIS data submitted as outlined in Contract Exhibit D.
    - *Response: RWPG will submit GIS files with project metadata, a fixed naming convention, and proper attribute fields.*

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Agenda Item 9

DISCUSSION OF EDITS TO THE DRAFT PRIORITIZATION SPREADSHEET

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9. Draft Prioritization Spreadsheet – Updates

- Capital Costs + Unit Costs Updated
  - Austin – Austin Decentralized Direct Non-Potable Reuse
  - Austin – Austin Longhorn Dam Operations Improvements
  - LCRA Mid-Basin Reservoir
- New Projects Added
  - Austin – Blackwater and Greywater Reuse
  - Austin – Onsite Rainwater and Stormwater Harvesting
  - Austin – Community-Scale Stormwater Harvesting
  - Rainwater Harvesting - Dripping Springs WSC, Hays, Hays County-Other, Sunset Valley
- Approve at next meeting

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Agenda Item 10

DISCUSS AND TAKE ACTION TO AUTHORIZE LCRA TO START THE PROCESS FOR CONSULTANT SELECTION FOR THE NEXT REGIONAL PLANNING CYCLE

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Agenda Item 11

DISCUSS AND CONSIDER TAKING ACTION TO AUTHORIZE LCRA TO SERVE AS THE REGION K POLITICAL SUBDIVISION FOR THE 6TH CYCLE OF REGIONAL WATER PLANNING

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Agenda Item 12

DISCUSS AND CONSIDER TAKING ACTION TO PROVIDE PUBLIC NOTICE, SUBMIT A GRANT APPLICATION TO THE TWDB, AND EXECUTE A CONTRACT FOR INITIAL FUNDING OF THE 6TH CYCLE

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Agenda

13. Agenda items for next meeting
14. New / Other Business
15. Public Comments
16. Adjourn

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