

**Alliance Regional Water Authority
Technical Committee**

REGULAR MEETING



ALLIANCE WATER

COMMITTEE MEMBER PACKETS

Wednesday, October 13th, 2021 at 3:00 P.M.

Call-In Number: 1-346-248-7799

Meeting ID: 968 8616 3170

Passcode: 495028

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 13th, 2021 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 968 8616 3170; Code: 495028

A quorum of Alliance Regional Water Authority's (the Authority's) Technical Committee will hold a meeting by telephonic conference call at 3:00 PM, Wednesday, October 13, 2021. The public may participate in this meeting by calling the following number and code:

[ZOOM MEETING LINK](#)

Call-In Number: 1-346-248-7799

Meeting ID: 968 8616 3170

Passcode: 495028

Members of the public wishing to make public comment during the meeting must register by emailing info@alliancewater.org prior to 3:00 p.m. on October 13, 2021. This meeting will be recorded and the audio recording will be available on the Authority's website after the meeting. A copy of the agenda packet will be available on the Authority's website at the time of the meeting. Additional information can be obtained by calling Graham Moore at (512) 294-3214.

A. CALL TO ORDER

B. ROLL CALL

C. PUBLIC COMMENT PERIOD (Note: Each person wishing to speak must submit a completed Public Comment Form to the Executive Director or his/her designee before the public comment period begins.)

D. CONSENT AGENDA

D.1 Consider approval of minutes of the Regular Technical Committee Meeting held September 8, 2021. ~ *Graham Moore, P.E., Executive Director*

E. PRESENTATIONS TO THE COMMITTEE

E.1 None.

F. ITEMS FOR COMMITTEE ACTION OR DISCUSSION/DIRECTION

F.1 Update and possible direction to Staff regarding construction of the Authority's Phase 1B program. ~ *Chris Noe, P.E., Pape-Dawson Engineers*

F.2 Discuss and possible approval of Change Order #1 to the Authority's Water Treatment Plant and Raw Water Infrastructure project. ~ *Graham Moore, P.E., Executive Director*

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- F.3 Update, discussion and possible direction to Staff regarding the Authority's Phase 1B program. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
- F.4 Update, discussion and possible direction to Staff regarding the Authority's Phase 1B Cost and Schedule Updates. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
- F.5 Update, discussion and possible direction to Staff regarding the Commissioning Plan for the Authority's Phase 1B Program. ~ *Nathan Cobler, P.E., Kimley-Horn & Associates*
- F.6 Discussion and possible direction to Staff regarding Considerations for Operations of the Authority's Water System. ~ *Graham Moore, P.E., Executive Director*
- F.7 Update, discussion and possible direction to Staff regarding weatherization of the Authority's existing infrastructure. ~ *Jason Biemer, Director of Operations*
- F.8 Discussion of legislative issues for the 87th Texas Legislature Special Session #2, and possible direction to Staff. ~ *Graham Moore, P.E., Executive Director*
- F.9 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities. ~ *Graham Moore, P.E., Executive Director*
- G. EXECUTIVE DIRECTOR REPORT - Update on future meeting dates, locations, consultant invoices paid, approved changed orders, status of Authority procurements, Executive Director activities and other operational activities where no action is required. ~ *Graham Moore, P.E., Executive Director*
- H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS – Possible acknowledgement by Committee Members of future area events and/or requests for item(s) to be placed on a future agenda where no action is required.
- I. EXECUTIVE SESSION

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- I.1 *Executive Session pursuant to the Government Code, Section 551.071 (Consultation with Attorney) and/or Section 551.072 (Real Property Deliberations) regarding:*
 - A. *Water supply partnership options*
 - B. *Groundwater leases*
 - C. *Acquisition of real property for water supply project purposes*

- I.2 *Action from Executive Session on the following matters:*
 - A. *Water supply partnership options*
 - B. *Groundwater leases*
 - C. *Acquisition of real property for water supply project purposes*

J. ADJOURNMENT

NOTE: *The Technical Committee may meet in Executive Session to consider any item listed on this agenda if a matter is raised that is appropriate for Executive Session discussion. An announcement will be made of the basis for the Executive Session discussion. The Technical Committee may also publicly discuss any item listed on the agenda for Executive Session.*

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A. CALL TO ORDER

No Backup Information for this Item.

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B. ROLL CALL

<u>NAME</u>	<u>PRESENT</u>
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Blake Neffendorf

James Earp

Paul Kite

Humberto Ramos

Tim Samford

Regina Franke

<u>NON-VOTING MEMBERS</u>	<u>PRESENT</u>
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Mayor Lee Urbanovsky

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C. PUBLIC COMMENT PERIOD

Each person wishing to speak must submit a completed Public Comment Form to the Executive Director or his/her designee before the public comment period begins.

Comments are limited to 3-minutes per agenda item and three minutes total for all non-agenda topics. If using a translator, comments are limited to six minutes per agenda item and six minutes total for non-agenda topics.

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D. CONSENT AGENDA

Item D.1 is presented as part of the consent agenda.

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D.1 Consider approval of minutes of the Technical Committee Meeting held September 8, 2021. ~ *Graham Moore, P.E., Executive Director*

Attachment(s)

- 2021 09 08 Technical Committee Meeting Minutes

Technical Committee decision needed:

- Approval of minutes.



ALLIANCE WATER

Alliance Regional Water Authority

TECHNICAL COMMITTEE MEETING

MINUTES

Wednesday, September 8, 2021

The following represents the actions taken by the Technical Committee of the Alliance Regional Water Authority (Alliance Water) in the order they occurred during the meeting. The Technical Committee convened in a meeting on Wednesday, September 8, 2021 by telephonic conference call in accordance with Governor Abbott's Executive Order, declaration of the COVID-19 public health threat, and action to temporarily suspend certain provisions of the Texas Open Meetings Act.

A. CALL TO ORDER.

The Alliance Water Technical Committee Meeting was called to order at 3:07 p.m. by Mr. Ramos.

B. ROLL CALL.

- **Present: Neffendorf, Earp, Kite, Ramos, Samford and Franke.**
- **Absent: Urbanovsky.**

C. PUBLIC COMMENT PERIOD

- **None.**

D. CONSENT AGENDA

D.1 Consider approval of minutes of the Regular Technical Committee Meeting held August 20, 2021.

- **Motion to adopt the minutes as presented was made by Mr. Neffendorf, seconded by Mr. Samford and approved on a 6-0 vote.**

E. PRESENTATIONS TO THE COMMITTEE

E.1 None.

F. ITEMS FOR COMMITTEE ACTION OR DISCUSSION/DIRECTION

- F.1 Update and possible direction to Staff regarding the Authority's Phase 1B program.
- **Mr. Sowa provided an update on the Phase 1B program.**
 - **Mr. Taggart asked when the remaining "W" parcels would move forward.**
 - **Mr. Sowa stated that the transmission pipeline parcels are being prioritized, but that he expects the W parcels to be in the queue in 30 to 60 days.**
 - **No Action.**
- F.2 Update, discussion and possible direction to Staff regarding the Solar System Analysis on the Authority's Water Treatment Plant Property.
- **Mr. Cobler made a presentation on the recently concluded analysis for the inclusion of a solar power system at the WTP property.**
 - **Mr. Ramos if the power requirements was for the Phase 1B capacity and where or not it included GBRA's capacity.**
 - **Mr. Cobler noted that it included all loads.**
 - **Mr. Kite noted that the nominal return on investment is 9 years – he inquired as to the anticipated life of the solar panels.**
 - **Mr. Cobler stated that the panels are expected to have a 20-year life with some degradation in performance through time.**
 - **Mr. Taggart asked if battery storage was considered for the system.**
 - **Mr. Cobler stated that batteries were considered, but that they doubled the return on investment time.**
 - **Mr. Earp noted that the project is already over budget and therefore he cannot support moving forward with a solar array at the WTP.**
 - **Mr. Ramos, Ms. Franke and Mr. Neffendorf both concurred with Earp.**
 - **No Action.**
- F.3 Discussion and possible direction to Staff regarding Considerations for Operations of the Authority's Water System.
- **Mr. Davenport asked to clarify that discussions must occur with all that receive water in an emergency, not just Authority Sponsors.**
 - **Mr. Moore agreed that this is the case.**
 - **Mr. Earp suggested that a different option be considered, a hybrid model where there is a core group of Alliance Water employees and then the remaining staff is outsourced.**
 - **Mr. Taggart stated that control is maintained through contract management.**

- **Mr. Ramos stated that he has a bad history with outsourcing and therefore we cannot support a 100% outsourced option.**
 - **Mr. Hjorth stated that he prefers only three option to be analyzed with the hybrid/transition option being replaced with the long-term hybrid discussed by Mr. Earp.**
 - **Staff was directed to revisit the analysis given the feedback.**
- F.4 Discussion of legislative issues for the 87th Texas Legislature Special Session #2, and possible direction to Staff.
- **Mr. Moore provided an update.**
 - **No Action.**
- F.5 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities.
- **Mr. Moore provided an update.**
 - **No Action.**
- G. EXECUTIVE DIRECTOR REPORT
- **No Action.**
- H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS
- **No Items.**
- I. EXECUTIVE SESSION
- I.1 Executive Session on the following matters:
- A. Water supply partnership options
 - B. Groundwater leases
 - C. Acquisition of real property for water supply project purposes
 - D. Phase 1B Segment A competitive sealed proposals
- **No Executive Session.**
- I.2 Action from Executive Session on the following matters:
- A. Water supply partnership options
 - B. Groundwater leases
 - C. Acquisition of real property for water supply project purposes
 - D. Phase 1B Segment A competitive sealed proposals
- **No Action.**

J. ADJOURNMENT

- Meeting was adjourned at 4:16 p.m. by Mr. Earp.

APPROVED: _____, 2021

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- F.1** Update and possible direction to Staff regarding construction of the Authority's Phase 1B program. ~ *Chris Noe, P.E., Pape-Dawson Engineers*
-

Background/Information

Chris Noe with Pape Dawson will update the Committee on recent construction activities associated with the Phase 1B program.

Attachment(s)

- Phase 1B Construction Update – October 13, 2021

Technical Committee Decisions Needed:

- None.



PHASE 1B CONSTRUCTION UPDATE

TECHNICAL COMMITTEE

CMI Progress
October 13, 2021

Water Resources | Transportation | Land Development | Surveying | Environmental



ONGOING PROGRESS



Procurement / Construction Status

Water Treatment Plant & Raw Water Infrastructure

- Construction in progress
- Job trailers established at site
- Change Order 0001
 - Purpose: Access road to accommodate county
 - Value: \$249,606.00
 - Days added: 49

Booster Pump Station

- Awarded to MWH
- NTP approved by TWDB, anticipated issue on Oct. 21

Segment A

- Awarded to Garney
- Bid documents submitted to TWDB for NTP approval



PROGRESS PHOTOS



Placing base at laydown yard



Job trailers delivered



362 Wolf Run Rd
Rosanky TX 78953
United States
Sep 27, 2021 at 9:58:08 AM

Electrical service for job trailers

5

PROGRESS PHOTOS



Oct 8, 2021 at 10:43:47 AM

Proof rolling equalization basin



362 Wolf Run Rd
Rosanky TX 78953
United States
Oct 5, 2021 at 8:51:00 AM

Plate settler basin subgrade



Oct 1, 2021 at 8:42:22 AM

Topsoil stockpile

6

QUESTIONS?

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- F.2** Discuss and possible approval of Change Order #1 to the Authority's Water Treatment Plant and Raw Water Infrastructure project. ~ *Graham Moore, P.E., Executive Director*
-

Background/Information

Construction for the Water Treatment Plant project relied on utilizing Wolf Run Road for access by all equipment. After complaints from residents on the roadway, the Caldwell County Commissioner for the area required that a different route into the site be found. After a brief investigation by the Project Team, it was determined the least costly and impactful solution would be to create a new access road inside the Authority's property abutting Wolf Run Road.

Archer-Western has prepared a change order for the addition of the access road. The total cost is \$249,606 and an addition of 49 days to the schedule. The actual days needed will be monitored closely by the inspection team and will be reduced if the work can be completed sooner. The design engineer and inspection team have reviewed the change proposal and found it to be inline with actual cost to perform the work.

For projects greater than \$10 million in value, the Technical Committee has the authority to approve change orders up to \$250,000. Alliance Water's share of the change order would be \$118,678.52.

Executive Director Recommendation

- The Executive Director recommends the Technical Committee approve Change Order #1 to the Water Treatment Plant project in the amount of \$249,606.

Technical Committee Decisions Needed:

- Approval of Change Order #1 for the Water Treatment Plant and Raw Water Infrastructure project.

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- F.3** Update and possible direction to Staff regarding the Authority's Phase 1B program.
~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
-

Background/Information

Ryan Sowa with Kimley-Horn will update the Committee on their recent activities associated with the Phase 1B program.

Attachment(s)

- Phase 1B Program Update – October 13, 2021
- Kimley-Horn Monthly Summary of Activities for September 2021

Technical Committee Decisions Needed:

- None.



Phase 1B Program Update

Technical Committee Meeting
October 13, 2021



ALLIANCE WATER

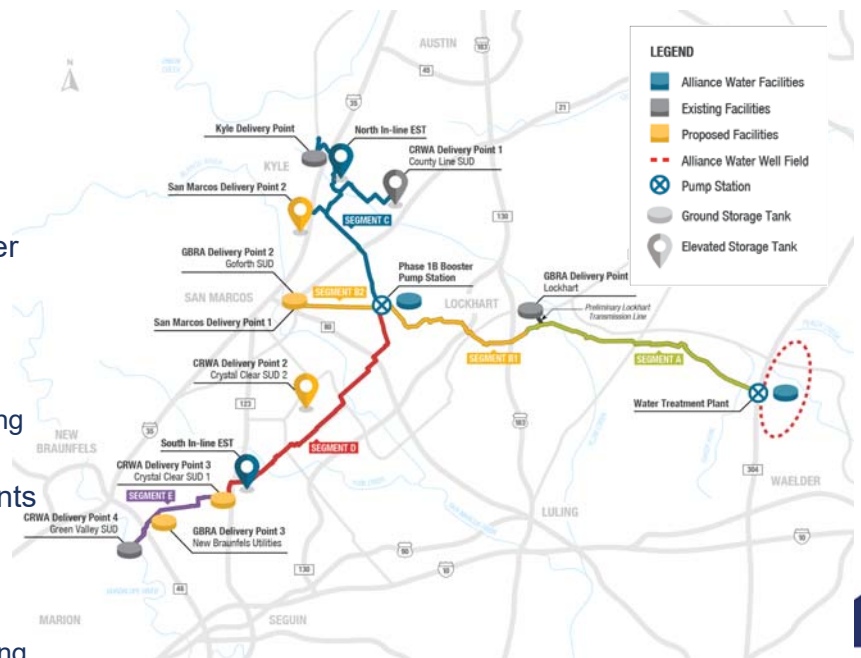
PRESENTED BY **Kimley»Horn**
Expect More. Experience Better.

Ongoing Progress

► Design Milestone Status

- Design Submittals
 - Inline EST (60%) – October
 - Pipeline Segment C (100%) – October

- TWDB Reviews
 - Segment A
 - Approval for Construction Forthcoming
 - Funding Release in Preparation
 - Booster Pump Station & Delivery Points
 - Approved for Construction
 - Funding Release in Preparation
 - Segment B
 - Approval for Procurement Forthcoming
 - Final Design, Procurement Funding Release in Preparation



Ongoing Progress

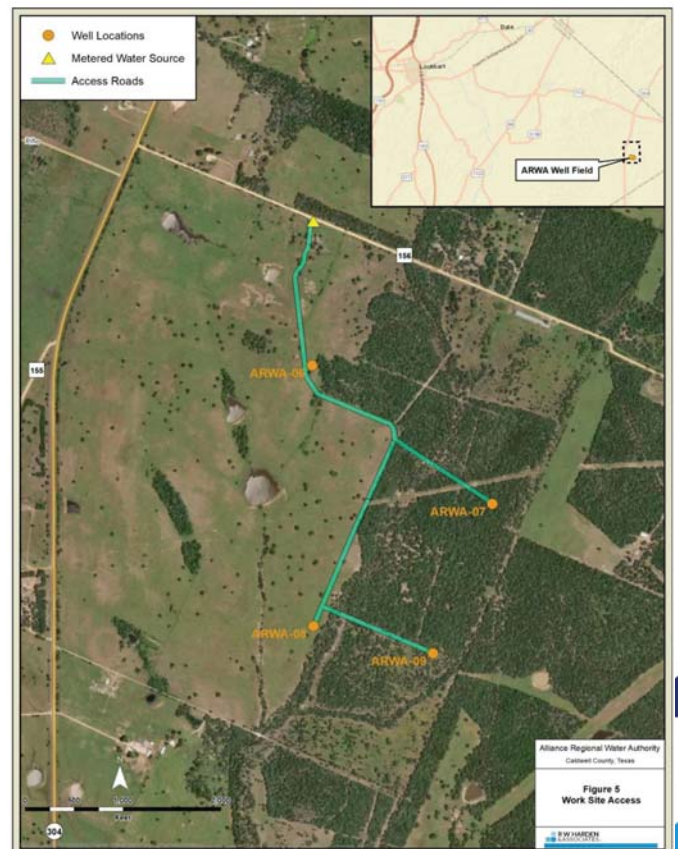
► Procurement / Construction Status

- Booster Pump Station & Delivery Points
 - Anticipated NTP – Mid-October
- Pipeline Segment A
 - Anticipated NTP – Late October
- Pipeline Segment B
 - Procurement Schedule
 - Begin Advertising: October 12th
 - Pre-Proposal Meeting: October 20th
 - Proposal Opening: November 12th
 - Technical Committee: December 8th
 - Board of Directors: December 15th



Well Drilling Construction Progress

- Actual Progress (last 30 days)
 - Contractor Addressing Punchlist
- Anticipated Progress (next 30 days)
 - TWDB Walkthrough Scheduled
 - Contractor to Complete Punchlist
 - Finalize & Board Acceptance of Project
 - Demobilize



Pipeline Easement Acquisition Status

Pipeline Segment	Number of Parcels	STATUS						
		(A) Appraisal/Offer in Development	(B) Negotiation (Initial Offer)	(C) Negotiation (Final Offer)	(D) = (A+B+C) Appraisal / Negotiation	(E) Condemnation in Process	(F) = (D+E) Possession Still Needed	(G) Purchase Agreement Signed / Possession Obtained
A	39	0	0	0	0	3	3	36
B	52	0	0	0	0	10	10	42
D	57	0	0	4	4	30	34	23
C	74	7	31	4	42	21	63	11
E	37	2	10	1	13	20	33	4
Well Field	20	17	0	0	17	0	17	3
Total	279						160	119



Questions?

October 06, 2021

Project Monthly Summary

September 2021 Tasks Performed:

- Task 2 – Stakeholder Coordination
 - Coordination and/or meetings with entities including: Caldwell County, Guadalupe County, Bluebonnet Electric Coop, TxDOT, TCEQ, and TWDB.
 - Continued weekly task coordination with Alliance Water.
 - Prepared and presented the Technical Committee Update.
 - Prepared and presented the Board Meeting Update.
 - Prepared and presented the Project Advisory Committee Meeting Update.
 - Prepared for and held Monthly Status Meeting with Alliance Water.

- Task 3 – Budgeting
 - Prepared and presented the monthly Budget Update for the Board meeting.
 - Continued updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.

- Task 4 – Schedule
 - Prepared the quarterly Schedule Update for the October Board meeting.
 - Revised Project Deliverable Schedule based on the feedback received from ARWA and Design Consultants.
 - Coordinated with Program team to integrate each project schedule into overall Program schedule. Developed and distributed the monthly Program schedule summary.

- Task 6 – Data Management
 - Ongoing maintenance of Microsoft SharePoint Online program.
 - Continued updating of web-based GIS for easement acquisition process and alignment changes.

- Task 7 – Environmental Management
 - Continued coordination with Program Environmental Consultant concerning the comment responses to the United States Army Corps of Engineers.
 - Coordinated with the Program Environmental Consultant regarding Inline Elevated Storage Tank site field work.
 - Continued coordination with the Program Environmental Consultant regarding additional hazmat studies for Segments C and E.
 - Performed coordination between Program Environmental Consultant and Land Acquisition Consultant to clarify environmental field work to be done on properties as part of right-of-entry process.
 - Monthly progress meeting and ongoing coordination with Program Environmental Consultant.

Alliance Water – Phase 1B Infrastructure – Owner’s Representative

- Continued coordination between Program Environmental Consultant and Design Engineers.
- Reviewed Program Environmental invoices, schedule, and risk log.

- Task 8 – Land Acquisition Management
 - Coordinated the appraisal process for Segments C, D, E, and W parcels.
 - Coordinated with Program Survey Consultant, Program Environmental Consultant, and Land Acquisition team to address questions that arise as part of the field work coordination process.
 - Performed weekly QC of parcel files in SharePoint, provided comments to Land Acquisition team.
 - Weekly coordination meeting with land agents to discuss status of rights-of-entry and to provide Program clarification on any questions/requests that have come from landowners.
 - Reviewed Program Land Acquisition team, Program Appraiser, and Program Survey invoices.
 - Continued field work coordination to notify landowners of upcoming field work by consultants.

- Task 9 – Texas Water Development Board Management
 - Continued coordination with TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review.

- Task 10 – Design Standards
 - Revised and distributed the Pipeline Construction Standards considering Contractor recommendations for cost savings.

- Task 11 – Engineering Design Management
 - Pipelines:
 - Segment A
 - Continued coordination with Design Consultant during project procurement.
 - Segment B
 - Continued coordination with Design Consultant for final design and preparation for procurement.
 - Segment C
 - Continued coordination with Design Consultant on 100% design.
 - Continued coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations..
 - Segment D
 - Continued coordination with Design Consultant for final design and preparation for procurement.
 - Segment E

Alliance Water – Phase 1B Infrastructure – Owner’s Representative

- On-going coordination with WTP and RWI Design Consultants during the construction phase.
- Task 16 – Other Services
 - Solar Evaluation
 - Finalized update and presented to the Technical Committee.
 - Commissioning Planning
 - Finalize the evaluation of the Phase 1B infrastructure commissioning for ARWA’s review.

October 2021 Projection:

- Task 2 – Stakeholder Coordination
 - Coordination and/or meetings with entities including: Caldwell County, Guadalupe County, GVEC, Bluebonnet Electric Coop, TxDOT, TCEQ, and TWDB.
 - Continue weekly task coordination with Alliance Water.
 - Prepare and present the Technical Committee Update.
 - Prepare and present Project Advisory Committee Meeting Update.
 - Prepare and present Board Meeting Update.
 - Prepare for and hold Monthly Status Meeting with Alliance Water.
- Task 3 – Budgeting
 - Prepare and present the quarterly Budget Update for the Board meeting.
 - Continue updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
 - Continue development of projected Operation and Maintenance costs and address feedback received from ARWA.
- Task 4 – Schedule
 - Prepare and present the quarterly Schedule Update for the October Board meeting.
 - Revise the Project Deliverable Schedule based on the feedback received from ARWA and Design Consultants.
 - Coordinate with Program team to integrate each project schedule into overall Program schedule. Develop and distribute schedule update and memorandum.
- Task 6 – Data Management
 - Ongoing maintenance of Microsoft SharePoint Online program.
 - Continued updating of web-based GIS for easement acquisition process and alignment changes.
- Task 7 – Environmental Management

Alliance Water – Phase 1B Infrastructure – Owner’s Representative

- Review the Segment C Hazmat Phase II and Technical Documents report prepared by the Environmental Consultant.
- Continue coordination with Program Environmental Consultant concerning the comment responses to the United States Army Corps of Engineers.
- Continued coordination with the Program Environmental Consultant regarding additional hazmat studies for Segment C and E.
- Perform coordination between Program Environmental Consultant and Land Acquisition Consultant to clarify environmental field work to be done on properties as part of right-of-entry process.
- Monthly progress meeting and ongoing coordination with Program Environmental Consultant.
- Continue coordination between Program Environmental Consultant and Design Engineers.
- Review Program Environmental invoices, schedule, and risk log.

- Task 8 – Land Acquisition Management
 - Coordinate the appraisal process for Segment C, D, E, and W parcels.
 - Coordinate with Program Survey Consultant, Program Environmental Consultant, and Land Acquisition team to address questions that arise as part of the field work coordination process.
 - Perform weekly QC of parcel files in SharePoint, provide comments to Land Acquisition team.
 - Weekly coordination meeting with land agents to discuss status of rights-of-entry and to provide Program clarification on any questions/requests that have come from landowners.
 - Review Program Land Acquisition team, Program Appraiser, and Program Survey invoices.
 - Continue field work coordination to notify landowners of upcoming field work by consultants.

- Task 9 – Texas Water Development Board Management
 - Continue coordination with TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review.

- Task 10 – Design Standards
 - Review Pipeline Construction Standards considering Contractor recommendations for cost savings.

- Task 11 – Engineering Design Management
 - Pipelines:
 - Segment A
 - Continue coordination with Design Consultant for project procurement.
 - Segment B

Alliance Water – Phase 1B Infrastructure – Owner’s Representative

- Continue coordination with Design Consultant for final design and preparation for procurement.
 - Segment C
 - Begin review of the Segment C 100% design submittal prepared by the Design Consultant.
 - Continue coordination with Design Consultant for final design.
 - Continue coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations..
 - Segment D
 - Continue coordination with Design Consultant for final design and preparation for procurement.
 - Segment E
 - Finalize review of the Segment E 100% design submittal prepared by the Design Consultant.
 - Continue coordination with Design Consultant for final design.
- Wellfield:
 - Continue coordination regarding the completion of construction of Wells 6-9.
- Raw Water Infrastructure:
 - Continued coordination with Design Consultant for construction phase services.
- Water Treatment Plant:
 - Continue coordination with Design Consultant concerning Hydraulics/Surge development.
 - Continued coordination with Design Consultant for construction phase services.
- Booster Pump Station:
 - Coordination with Design Consultant for final design and procurement development.
- Inline Elevated Storage Tanks:
 - Begin review of the 60% design submittal prepared by the Design Consultant.
 - Coordination with Design Consultant for 60% design development.
- Other:
 - Monthly progress meetings with all Design Consultants (pipelines, water treatment plant, raw water infrastructure, wellfield).
 - Review invoices, schedules, and risk logs for consultants.
- Task 13 – Electrical Power Planning
 - Continue coordination with ARWA and GVEC to develop agreement language for service to the well field.
 - Continue coordination with GVEC regarding electric service to the WTP and wellfield.

Alliance Water – Phase 1B Infrastructure – Owner’s Representative

- Task 14 – Permit Coordination/Tracking
 - Continue Permit coordination with Pipeline consultants
 - Coordinate with Hays County concerning the Site Development Permit.
 - General Coordination with TxDOT.
 - Coordinate with Caldwell, Guadalupe, and Hays County TxDOT offices concerning roadway crossings.
 - General Coordination with GVEC and BBEC.
 - On-going Permit Tracking Log Updates.

- Task 15 – Procurement and Construction Phase Services
 - On-going coordination with Segment A and BPS Design Consultants during the pre-construction phase.
 - Coordination with Segment B to prepare for procurement.
 - On-going coordination with WTP and RWI Design Consultants during the construction phase.

- Task 16 – Other Services
 - Commissioning Planning
 - Finalize the evaluation of the Phase 1B infrastructure commissioning for ARWA’s review and present to the Technical Committee.
 - Finalize and submit the City of San Marcos Watershed Protection Plan for the Booster Pump Station Plat.

Scope Elements Added/Removed:

None at this time.

Outstanding Issues/Concerns:

None at this time.

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COMMITTEE MEMBER PACKETS

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- F.4** Update, discussion and possible direction to Staff regarding the Authority's Phase 1B Cost and Schedule Updates. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
-

Background/Information

Attached is a presentation update on the cost and schedule for the Phase 1B Program.

Next Step(s)

- Phase 1B Program Schedule Update October 13, 2021.

Technical Committee Decision Needed:

- Possible direction to Staff.



Phase 1B Program Schedule & Budget Update

Technical Committee Meeting
October 13, 2021



ALLIANCE WATER

PRESENTED BY **Kimley»Horn**
Expect More. Experience Better.

Schedule Update – Pipeline Critical Path



Alignment Confirmation

- Recent ownership changes
- Realignment requests
- Proposed development conflicts

Environmental Completion

- Realignment field work
- Report updates

Agency Review (USACE)

- Cultural review comments
- Additional field work vs trenchless avoidance
- Waters of the US definition changes

TWDB Reviews

- Environmental Reports
 - Budgeted: 6 weeks
 - Actual: 13+ weeks
- Plans & Specifications
 - Somewhat extended



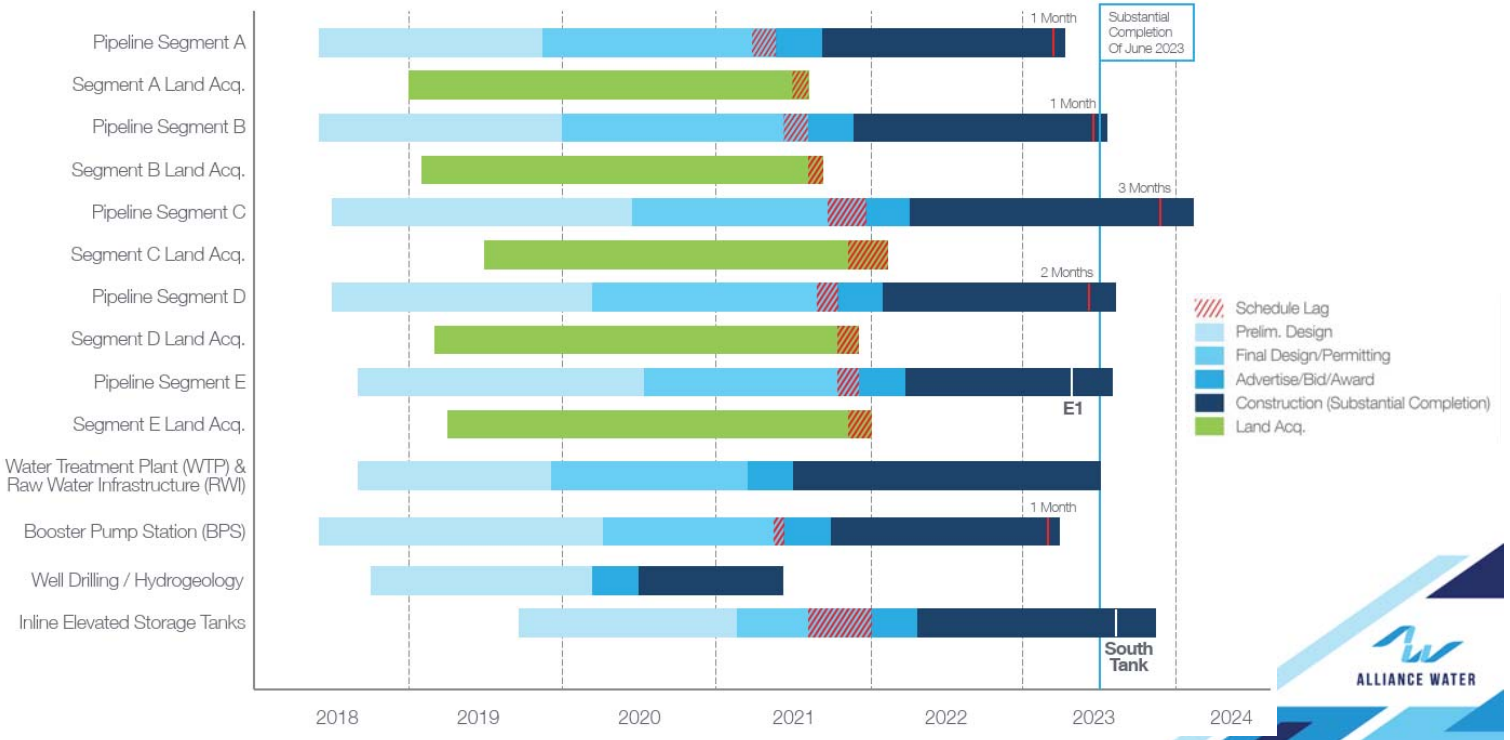
Schedule Update

Other Developments Since Last Update

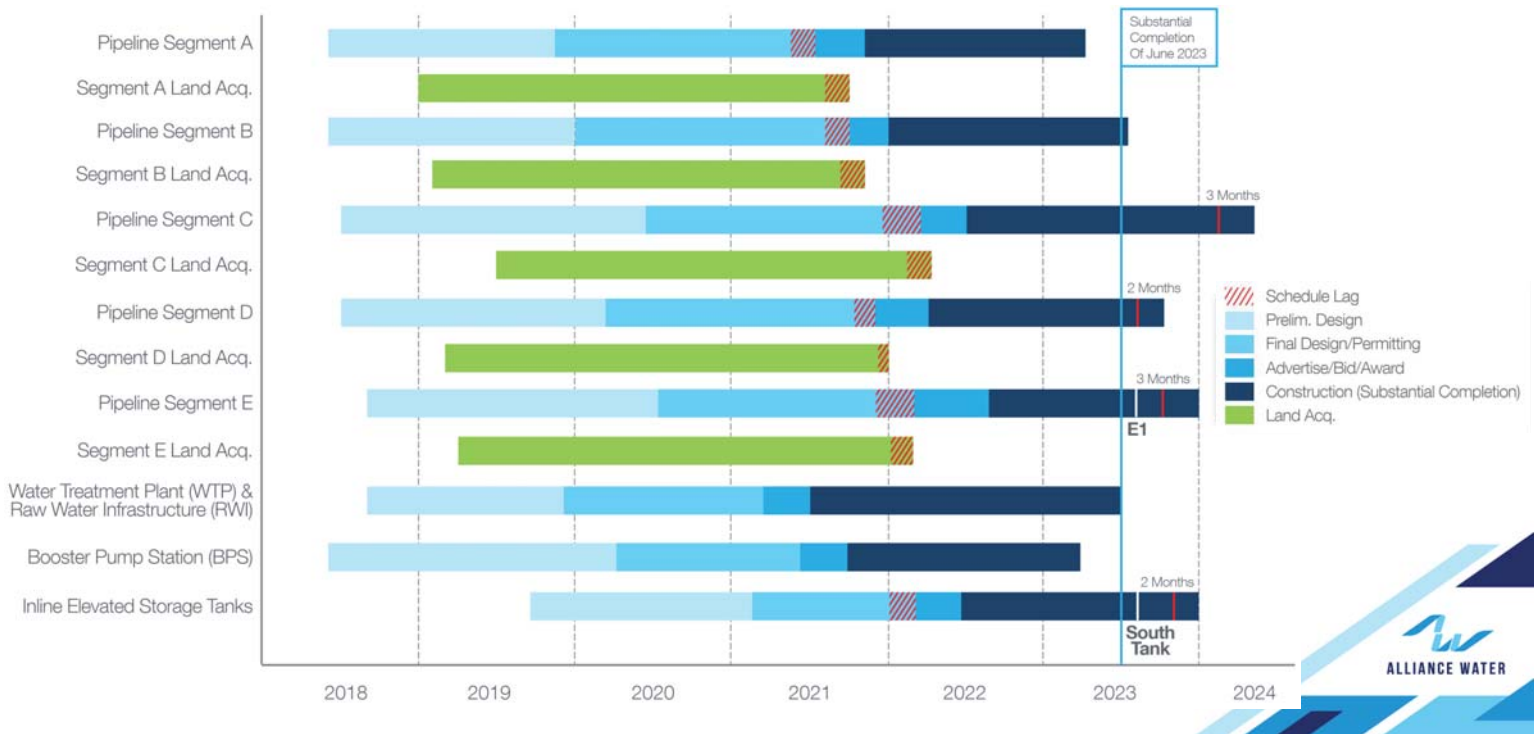
- Easement Acquisition (Pipelines)
 - Commissioners Hearing Scheduling
 - Caldwell County – mostly complete
 - Guadalupe County – ongoing
 - Hays County – getting underway
- Landowner/Developer Alignment Coordination
 - Segment C – approximately 40% of the parcels have proposed development plans



Schedule Update – June 2021



Schedule Update – October 2021



Schedule Update

Transmission Pipelines – Segment A

- **No Significant Change**
 - Substantial Completion – 05/08/23
- **Current Key Risks:**
 - Completion of Easement Acquisition
 - TWDB Contract Execution

Transmission Pipelines – Segment B

- **No Significant Change**
 - Substantial Completion – 06/28/23
- **Current Key Risks:**
 - TWDB review durations
 - Land acquisition – scheduling of hearings
- **Mitigation**
 - Continual check-ins with TWDB
 - Expedited decisions/input on land acquisition

Transmission Pipelines – Segment C

- **Net Delay of 3 Months**
 - Substantial Completion – 04/23/24
- **Key Risks:**
 - Alignment Confirmation – landowner realignment requests
 - Land acquisition – title delays, land sales/subdividing, scheduling of hearings
 - USACE – Waters of the US
- **Mitigation**
 - Intermediate schedule milestones for key delivery points (County Line SUD, Kyle)
 - Further consideration of construction schedule reduction
 - Continual landowner coordination
 - Expedited decisions/input on land acquisition



Schedule Update

Transmission Pipelines – Segment D

- **Delay of 2 Months**
 - Substantial Completion – 10/11/23
- **Key Risks:**
 - USACE jurisdictional determinations and resolution
 - TWDB review durations
 - Land acquisition – scheduling of hearings
- **Mitigation**
 - Release for procurement ahead of TWDB EDF review completion
 - Further consideration of construction schedule reduction
 - Continual check-ins with USACE, TWDB

Transmission Pipelines – Segment E

- **Delay of 3 Months**
 - Substantial Completion (Segment E1) – 10/09/23
 - Substantial Completion (Segment E2) – 12/11/23
- **Current Key Risks:**
 - Environmental – clearance of possible remains
 - Alignment Confirmation – landowner realignment requests
 - Land acquisition – land sales/subdividing, scheduling of hearings
- **Mitigation**
 - Consideration of contractual split from E2
 - Continual landowner coordination
 - Expedited decisions/input on land acquisition

Inline Elevated Storage Tanks

- **Total Adjustment of 2 months**
 - Substantial Completion (South Tank) – 09/27/23
 - Substantial Completion (North Tank) – 12/20/23
- **Current Key Risks:**
 - Environmental – each tank included in corresponding pipe segment reports
- **Mitigation**
 - Potential separate bidding of South Tank to align schedule with Segment D

Booster Pump Station & Delivery Points

- **No Significant Change**
 - Substantial Completion – 03/23/23
- **Current Key Risks:**
 - TWDB Contract Execution

Water Treatment Plant & Raw Water Infrastructure

- **No Significant Change**
 - Substantial Completion – 07/14/23
- **Current Key Risks:**
 - Site Access



Budget Update

Budget Update

► Summary of Revisions:

- Pipeline Segment A
 - Updated for approved construction award amount
 - Addition of construction contingency
 - Includes fiber optic facilities
- Pipeline Segments B, C, D, and E
 - Updated opinions of probable construction cost, factoring in bid results on Segment A
 - Doesn't factor in ongoing cost reduction evaluations



COST UPDATES BASED ON SEPTEMBER MILESTONE SUBMITTALS

		ORIGINAL (FEB. 2019)	REVISED	
Construction Package		ARWA Total Projected Cost	ARWA Total Projected Cost	DIFFERENCE
Submittal (%) Combined Program Infrastructure				
Const.	Water Treatment Plant	\$ 25,200,000	\$ 29,600,000	\$ 4,400,000
Const.	Booster Pump Station & GBRA Meter Stations	\$ 12,100,000	\$ 13,300,000	\$ 1,200,000
30	Inline EST (South)	\$ 3,600,000	\$ 3,600,000	\$ 0
Const.	Pipeline Segment A	\$ 27,200,000	\$ 28,400,000	\$ 1,200,000
100	Pipeline Segment B	\$ 27,100,000	\$ 34,100,000	\$ 7,000,000
100	Pipeline Segment D	\$ 36,300,000	\$ 43,600,000	\$ 7,300,000
90	Pipeline Segment E	\$ 9,500,000	\$ 10,900,000	\$ 1,400,000
Subtotal		\$141,000,000	\$163,500,000	\$ 22,500,000
ARWA-Only Infrastructure				
Const.	Well Drilling	\$ 3,800,000	\$ 3,300,000	(\$ 500,000)
Const.	Raw Water Infrastructure	\$ 7,000,000	\$ 10,700,000	\$ 3,700,000
Const.	ARWA Booster Pump Station & Delivery Points	\$ 7,700,000	\$ 4,800,000	(\$ 2,900,000)
30	Inline EST (North)	\$ 5,400,000	\$ 6,600,000	\$ 1,200,000
90	Pipeline Segment C	\$ 64,500,000	\$ 68,800,000	\$ 4,300,000
90	Pipeline Segment E (ARWA-Only)	\$ 6,700,000	\$ 12,600,000	\$ 5,900,000
No Design	Administration and Operations Building	\$ 4,300,000	\$ 4,200,000	(\$ 100,000)
Subtotal		\$ 99,400,000	\$111,000,000	\$ 11,600,000
Total		\$240,400,000	\$274,500,000	\$34,100,000

OCTOBER 2021 UPDATE

CHANGE FROM
SEPTEMBER UPDATE

\$17,800,000

Budget Update

▶ Additional Notes:

- Continued Pipeline Cost Reduction Evaluation
- Construction Materials Market Volatility
- Land Acquisition & Real Estate



Questions?

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 13th, 2021 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 968 8616 3170; Code: 495028

- F.5** Update, discussion and possible direction to Staff regarding the Commissioning Plan for the Authority's Phase 1B Program. ~ *Nathan Cobler, P.E., Kimley-Horn & Associates*

Background/Information

Attached is a presentation on the Commissioning Plan for the Phase 1B projects.

Attachment(s)

- Commissioning Feasibility Study – October 13, 2021.

Technical Committee Decision Needed:

- Possible direction to Staff.



Phase 1B Program Update

Commissioning Feasibility Study
October 13, 2021



PRESENTED BY **Kimley»Horn**
Expect More. Experience Better.

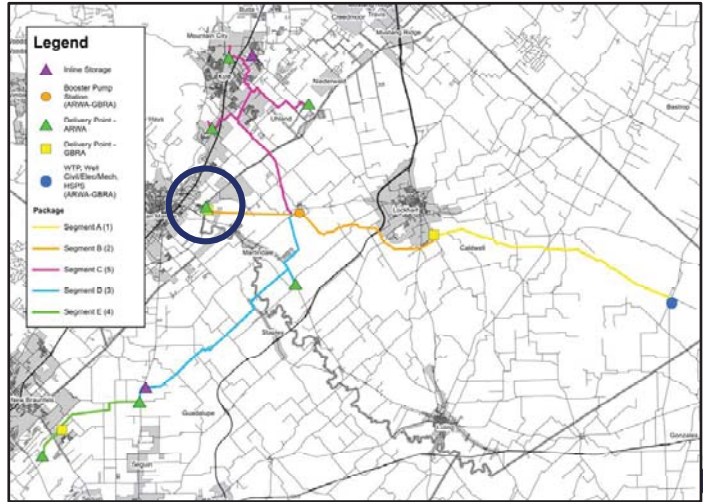
Agenda

- ▶ Recap
- ▶ Commissioning Phasing
- ▶ Commissioning Schedule
- ▶ Next Steps



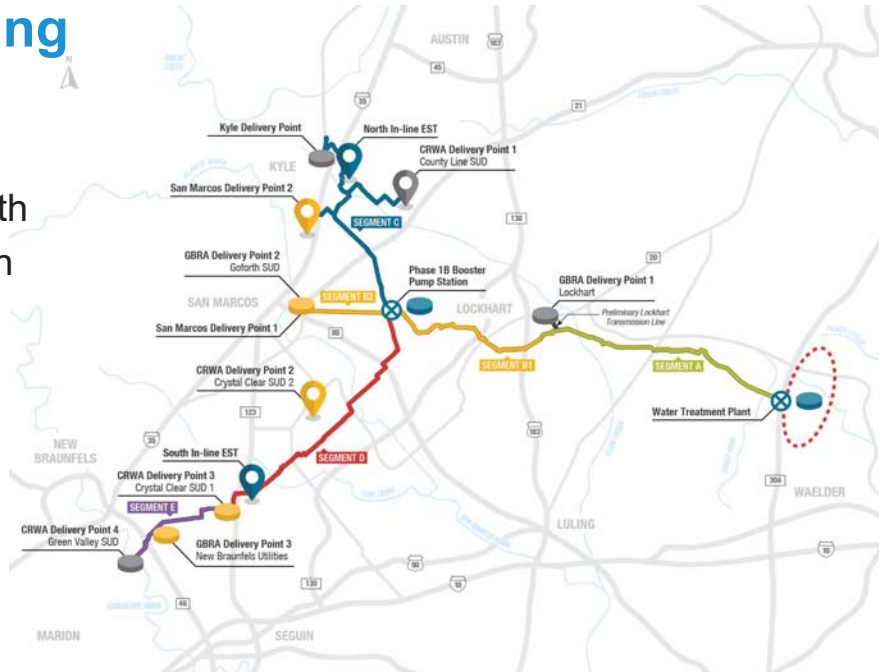
Recap

- ▶ Commissioning
 - Based on cleaning, filling, and disinfection timing
 - Construction Project Schedules and Phasing of System
- ▶ Primary Source
 - City of San Marcos Water Treatment Plant



Commissioning Phasing

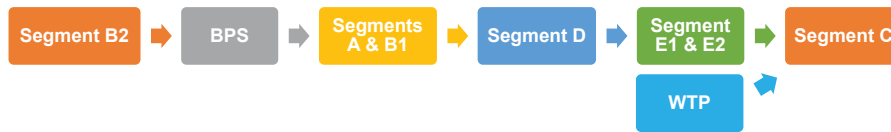
- ▶ Ph1: East – West
- ▶ Ph2: Central – South
- ▶ Ph3: Central - North



Commissioning Schedule with Potential Adjustments

- ▶ Segment B2 – September 2022 → January 2023
- ▶ Booster Pump Station – February/March 2023
- ▶ Segment E1 – August 2023 → October 2023

▶ Commissioning Order



Commissioning Schedule - Adjustments

Phase Summary	2023											
	January	February	March	April	May	June	July	August	September	October	November	December
PHASE 1 Hydro. & BacT Seg. B2		■										
PHASE 2 BPS Yard Piping and GST		■	■									
PHASE 3 Hydro. Test Seg. B1 and Seg. A					■							
PHASE 4 Hydro. & BacT Seg. D to EST									■			
PHASE 5 Hydro. & BacT Seg. D EST									■			
PHASE 6 Hydro. & BacT Seg D (remain), Seg. E and BacT Seg. B1 and Seg A									■	■		
PHASE 7 Hydro. & BacT Seg. C to EST									■			
PHASE 8 Hydro. & BacT Seg. C EST									■			
PHASE 9 Hydro. & BacT Seg. C to DPs									■			

- ▶ The ARWA Water Treatment Plant is Scheduled to be complete at the end of August 2023. ARWA water can be used to commission Segments D and E



Commissioning Schedule – Considerations

- ▶ Bidding Schedule
 - Evaluate Advertisement Dates
- ▶ Construction Duration
 - Evaluate Production Schedule
- ▶ Segment D and E Testing
 - Alternate Water Source Evaluation
 - Bid document provide options to Contractors



Next Steps

- ▶ Commissioning Schedule alignment with Program Construction Schedule and Program Goals
- ▶ Track Construction Progress and revise Commissioning Timing as necessary
- ▶ Source Water Volume requirements and Flow Rate calculations based on Construction Schedule adjustments





Questions?

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 13th, 2021 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 968 8616 3170; Code: 495028

F.6 Discussion and possible direction to Staff regarding Considerations for Operations of the Authority's Water System. ~ *Graham Moore, P.E., Executive Director*

Background/Information

As the Committee is aware, Staff has been preparing an analysis of various operational paradigms over the past two months. It recently came to Staff's attention that the Water Treatment and Delivery Agreement specifically requires a "competitive procurement process" for selection of operators for the Project Facilities. Below is an excerpt from the agreement:

6.1 Project Facilities Operation and Maintenance.

(a) ARWA shall be responsible for the operation and maintenance of the Project Facilities pursuant to the terms and conditions of this Agreement.

(b) ARWA shall select one or more operators for the Project Facilities after a competitive procurement process and consideration of any Project Advisory Committee recommendations. ARWA and GBRA each may submit a proposal to serve as operator of the Project Facilities. ARWA will review the operator's performance at least once every five (5) years, but may review the operator's performance more frequently in ARWA's sole discretion. ARWA may terminate an operator in its sole discretion. ARWA may select another operator using the same procedure as the original selection. ARWA may hire a consultant to provide start-up services for the Project Facilities.

Based on this requirement, Staff will prepare an RFQ for Operations of the Project Facilities. The draft RFQ will be made available to the Technical Committee for review and input. Staff is targeting the end of November for releasing the RFQ for the operations.

Technical Committee Decision Needed:

- Possible direction to Staff.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 13th, 2021 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 968 8616 3170; Code: 495028

F.7 Update, discussion and possible direction to Staff regarding weatherization of the Authority's existing infrastructure. ~ *Jason Biemer, Director of Operations*

Background/Information

Jason Biemer will provide an update on the Authority's efforts to winterize the existing infrastructure heading into winter.

Attachment(s)

- Cold Weather Preparedness Update – October 1, 2021.

Technical Committee Decision Needed:

- Possible direction to Staff.

Cold Weather Preparedness Update

October 1, 2021



First of the frost protection boxes has been completed and installed.

Box protects check valve, air relief valve and discharge pressure transducers.



Excerpt from tracking form used by staff for winterization effort.

BOOSTER PUMP STATION - 2281 Jack C. Hays Trail, Buda						
Item	Description of Work	Date Tested	Test Result	Follow Up	Date Completed	Operator
1 Frost Protection Box	Build and Install	9/29/2021	Box complete for Pump 1.	Box construction and install for P2 and P3 pending.		
2 GFI - GST Outlet	Test circuit voltage, trip fault reset.	9/29/2021	Passed	None	9/29/2021	Murchison, J.
3 GFI - Fill Valve Rack	Test circuit voltage, trip fault reset.	9/29/2021	East receptacle failed	Replace receptacle.		
4 GFI - Fill Valve Rack	Test circuit voltage, trip fault reset.	9/29/2021	Passed	None	9/29/2021	Murchison, J.
5 GFI - Chemical Room	Test circuit voltage, trip fault reset.	9/29/2021	Passed	None	9/29/2021	Murchison, J.
6 GFI - Motor Control Room	Test circuit voltage, trip fault reset.	9/29/2021	Passed	None	9/29/2021	Murchison, J.
7 GFI - Pump Header Racks	Test circuit voltage, trip fault reset.	9/29/2021	Passed	None	9/29/2021	Murchison, J.
8 GST Pressure Transducer	Test unit, confirm sample tap function, heat trace and insulate	9/29/2021	Passed	Heat Trace and Wrap.		
Pump Header Rack Pressure	Test unit, confirm sample tap function, heat trace and insulate	9/29/2021	Passed	Heat Trace and Wrap.		
9 Transducers	Test unit, confirm sample tap function, heat trace and insulate	9/29/2021	Passed	Heat Trace and Wrap.		
Discharge Header Pressure	Test unit, confirm sample tap function, heat trace and insulate	9/30/2021	Passed	Heat Trace and Wrap.		
10 Transducers	Test unit, confirm sample tap function, heat trace and insulate	9/29/2021	Passed	Install Heat Lamp.		
Fill Valve Vault Pressure	Test unit, confirm sample tap function, heat trace and insulate	9/29/2021	Passed			
11 Transducers						



SB3 Compliance

Filing as an “affected utility” with PUC, PEC, Hays County and Governor by November 1, 2021

Preparing the Emergency Preparedness Plan by March 1, 2022. Utilizing the Option1 – emergency backup generation to demonstrate ability to maintain pressure for 24 hours.



CONFIDENTIAL
Not subject to disclosure under Chapter 552, Government Code

Emergency Preparedness Plan Template
For All Affected Utilities Except Fort Bend and Harris Counties

Assistance
If you need assistance with the EPP template please fill out the **EPP Help Form** at www.tceq.texas.gov/spotlight/epp-help and TCEQ will contact you via email or phone to work with you.

General Information

Water System Name	
PWS ID No. (if applicable)	
District No. (if applicable)	
County	
CICN No. (if applicable)	
Owner	
Prepared by:	
Preparer's Phone No.:	
Preparer's Email:	
Preparer's Mailing Address:	
Preparer's Title:	
Preparer's Organization:	
Expected Completion Date	

Option(s) Chosen:

- Refer to Section II-ALTERNATE POWER OPTIONS OVERVIEW.
Circle all Option(s) that will provide emergency operations during extended power outages lasting more than 24 hours for this affected utility.
1 2A 2B 3A 3B 4 5 6 7 8A 8B 9 10A 10B 11 12 13 14
- Short Explanation of Proposed Emergency Preparedness Plan (i.e. Using portable generator to power 2 out of 3 wells):
- Will this plan provide for 20 pounds per square inch (psi) of pressure to all your direct customers during a power outage lasting more than 24 hours caused by a natural disaster?

I certify, under penalty of law, that all the information provided herein is true and accurate to the best of my knowledge.
Signature: _____ Title: _____ Date: _____

UPDATES TO EMERGENCY PREPAREDNESS PLAN (EPP)
The EPP is updated as changes occur such as dictated by personnel, phone numbers, water plant additions, modifications, and serving additional water systems.
Record updates below:

Last Updated By	Title	Purpose (page #s)	On (Date)

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 13th, 2021 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 968 8616 3170; Code: 495028

F.8 Discussion of legislative issues for the 87th Texas Legislature and possible direction to Staff. ~ *Graham Moore, P.E., Executive Director*

Background/Information

The third Special Session of the 87th Legislature is ongoing. No items directly affecting water utilities, eminent domain or open meetings were on the Governor's call for the session. Redistricting is the dominate subject of the third session, though some additional items are still on the call for discussion.

Technical Committee Decision Needed:

- Possible direction to Staff.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 13th, 2021 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 968 8616 3170; Code: 495028

- F.9** Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities.
~ *Graham Moore, P.E., Executive Director*
-

Gonzales County Underground Water Conservation District (GCUWCD)

The GCUWCD is scheduled to meet on October 12th.

Plum Creek Conservation District (PCCD)

The PCCD met on September 21st. The PCCD is willing to approve the requested delay in constructing the production wells, but only so long as the monitoring wells are drilled as originally scheduled. A meeting with the PCCD is in the process of being scheduled in order to discuss the details of the monitoring wells and to further discuss the need for them.

Groundwater Management Area 13

No update.

Region L Planning Group

Region L met on September 21st and selected Black & Veatch as the technical consultant for the current planning cycle – as they did the previous cycle. The next Region L meeting is scheduled for November 4th.

Guadalupe-Blanco River Authority; Hays County Activities; CAPCOG Activities

No update.

Technical Committee decision needed:

- None.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 13th, 2021 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 968 8616 3170; Code: 495028

- G. EXECUTIVE DIRECTOR REPORT** - Update on future meeting dates, locations, consultant invoices paid, approved changed orders, status of Authority procurements, Executive Director activities and other operational activities where no action is required. ~ *Graham Moore, P.E., Executive Director*

Consultant Invoices Paid

- Below are reports on the consultant invoices paid in September.

FY 20-21 CONSULTANT INVOICES PAID IN SEPTEMBER 2021

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/Anomalies
LAN - Kyle/Buda Design	\$76,971.62	\$0.00	\$12,009.70	16%	\$64,961.92	
RW Harden	\$30,000.00	\$0.00	\$12,242.31	41%	\$17,757.69	
Tx Solutions Group	\$72,000.00	\$6,000.00	\$72,000.00	100%	\$0.00	
BGE - Ph 1A CA	\$7,110.08	\$0.00	\$1,400.30	20%	\$5,709.78	
Kent Alan Sick - ROW Legal	\$45,000.00	\$0.00	\$7,916.40	18%	\$37,083.60	
LNV - GIS Svcs	\$16,693.63	\$236.25	\$14,866.50	89%	\$1,827.13	
Armstrong, Vaughan & Associates, P.C.	\$10,930.00	\$0.00	\$10,930.00	100%	\$0.00	
J.R. Tolles & Associates, Inc.	\$245,000.00	\$19,918.00	\$210,140.00	86%	\$34,860.00	
Lloyd Gosselink Rochelle & Townsend	\$105,000.00	\$11,540.10	\$86,307.99	82%	\$18,692.01	
CD&P - Public Relations	\$45,404.50	\$0.00	\$34,108.03	75%	\$11,296.47	
MLA Labs, Inc. - Segment B	\$6,773.00	\$0.00	\$398.00	6%	\$6,375.00	
HDR - 2021 Rate Study	\$16,125.00	\$0.00	\$0.00	0%	\$16,125.00	
Law Offices of Patricia Erlinger Carls	\$25,000.00	\$0.00	\$1,102.50	4%	\$23,897.50	
Total	\$702,007.83	\$37,694.35	\$463,421.73		\$238,586.10	

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 13th, 2021 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 968 8616 3170; Code: 495028

- On the following page is the report on the Phase 1B invoices paid in September.

PHASE 1B FY 20-21 CONSULTANT INVOICES PAID IN SEPTEMBER 2021

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/Anomalies
Kimley-Horn Ph 1B Owner's Rep W04	\$1,319,033.52	\$0.00	\$1,319,033.52	100%	\$0.00	
Kimley-Horn Ph 1B Owner's Rep W05	\$2,685,433.00	\$682,992.56	\$1,056,737.20	39%	\$1,628,695.80	
Blanton - Environmental	\$875,510.28	\$146,139.55	\$681,717.17	78%	\$193,793.11	
LAN - Segment A Prelim	\$116,364.20	\$9,457.40	\$11,724.00	10%	\$104,640.20	
LAN - Segment A Final	\$447,554.89	\$71,277.43	\$370,470.04	83%	\$77,084.85	
KFA - Segment B Prelim	\$13,275.94	\$0.00	\$0.00	0%	\$13,275.94	
KFA - Segment B Final	\$775,215.97	\$96,095.05	\$641,875.82	83%	\$133,340.15	
BGE - Segment C Prelim	\$15,099.24	\$0.00	\$0.00	0%	\$15,099.24	
BGE - Segment C Final	\$2,522,617.09	\$333,080.18	\$2,323,767.40	92%	\$198,849.69	
FNI - Segment D Prelim	\$63,533.66	\$0.00	\$0.00	0%	\$63,533.66	
FNI - Segment D Final	\$993,177.03	\$95,599.16	\$865,975.19	87%	\$127,201.84	
Walker - Segment E Prelim	\$58,638.01	\$0.00	\$20,484.77	35%	\$38,153.24	
Walker - Segment E Final	\$1,094,367.61	\$92,541.59	\$789,963.59	72%	\$304,404.02	
LAN - ROW Acquisition	\$1,601,100.28	\$217,309.88	\$786,543.73	49%	\$814,556.55	
DTR&G	\$1,272,719.30	\$179,875.65	\$976,594.67	77%	\$296,124.63	
CBRE - Appraisals	\$1,784,150.00	\$90,000.00	\$656,700.00	37%	\$1,127,450.00	
CP&Y - Survey	\$984,980.00	\$82,417.50	\$588,990.00	60%	\$395,990.00	
RW Harden - WDH Const Admin	\$358,153.60	\$39,886.00	\$321,578.00	90%	\$36,575.60	
LNV - RWI	\$273,573.86	\$26,345.00	\$155,933.86	57%	\$117,640.00	
Walker Partners - WTP Final Design	\$1,029,963.16	\$24,997.75	\$966,578.78	94%	\$63,384.38	
FNI - BPS Prelim	\$4,772.50	\$0.00	\$4,772.50	100%	\$0.00	
FNI - BPS Final	\$838,134.63	\$43,583.27	\$587,285.13	70%	\$250,849.50	
Plummer - Inline Elevated Tank Prelim	\$42,799.42	\$0.00	\$39,069.35	91%	\$3,730.07	
Plummer - Inline Elevated Tank Final	\$423,526.00	\$96,936.55	\$111,357.55	26%	\$312,168.45	
Pape-Dawson - CM&I W0#1	\$16,880.44	\$0.00	\$16,380.03	97%	\$500.41	
Pape-Dawson - CM&I W0#2	\$147,500.00	\$8,035.00	\$138,370.00	94%	\$9,130.00	
Pape-Dawson - CM&I W0#3	\$74,460.00	\$1,320.00	\$72,680.00	98%	\$1,780.00	
Pape-Dawson - CM&I W0#4	\$100,600.00	\$19,245.00	\$100,597.50	100%	\$2.50	
Pape-Dawson - CM&I W0#5	\$2,034,310.00	\$333,185.65	\$333,185.65	16%	\$1,701,124.35	
Hicks & Co - WDH Environmental	\$15,874.00	\$0.00	\$303.00	2%	\$15,571.00	
Walker Partners - WTP CA Svcs	\$1,215,171.00	\$81,695.00	\$18,436.71	2%	\$1,196,734.29	
CP&Y - SCADA Programming Svcs	\$970,150.00	\$79,340.00	\$79,340.00	8%	\$890,810.00	
Total	\$24,168,638.63	\$2,851,355.17	\$14,036,445.16		\$10,132,193.47	

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 13th, 2021 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 968 8616 3170; Code: 495028

Approved Change Orders

CHANGE ORDERS APPROVED IN SEPTEMBER 2021				
Consultant	Original Authorization	Change Orders to Date	Change Order Approved this Month	New Total Contract Amount
Walker Partners: 1B Segment E	\$ 408,755.00	\$ 164,719.00	\$ -	\$ 573,474.00
Drilling & Hydrogeology	\$ 114,000.00	\$ 31,380.00	\$ -	\$ 145,380.00
Freese & Nichols: 1B BPS & DP Prelim	\$ 771,617.00	\$ 44,408.00	\$ -	\$ 816,025.00
K Friese & Assoc.: 1B Segment B	\$ 565,417.00	\$ 60,095.00	\$ -	\$ 625,512.00
BGE: 1B Segment C Prelim	\$ 614,626.00	\$ 34,430.00	\$ -	\$ 649,056.00
Freese & Nichols: 1B Segment D	\$ 597,714.00	\$ 66,722.00	\$ -	\$ 664,436.00
Walker Partners: 1B WTP (Prelim)	\$ 1,203,606.00	\$ 40,406.00	\$ -	\$ 1,244,012.00
CP&Y: Ph 1B Program Survey	\$ 3,375,780.00	\$ 83,500.00	\$ -	\$ 3,459,280.00
Freese & Nichols: 1B Segment D (Final)	\$ 1,999,464.00	\$ 173,739.09	\$ -	\$ 2,158,203.09
LAN: 1B Segment A Final Design	\$ 1,903,077.00	\$ 226,591.00	\$ -	\$ 2,089,668.00
Blanton & Assoc: Environmental Invest.	\$ 1,398,775.00	\$ 150,703.00	\$ -	\$ 1,549,478.00
K Friese & Assoc: 1B Seg B Final Design	\$ 1,830,994.00	\$ 306,242.13	\$ -	\$ 2,063,949.13
Walker Partners: 1B WTP (Final)	\$ 2,900,402.00	\$ 564,435.00	\$ -	\$ 3,464,837.00
LNV: 1B Raw Water (Design)	\$ 1,418,700.00	\$ 85,337.00	\$ -	\$ 1,504,037.00
Walker Partners: 1B Seg E (Final)	\$ 1,190,421.00	\$ 98,128.00	\$ -	\$ 1,288,549.00
BGE: 1B Segment C Final	\$ 2,688,310.00	\$ 280,021.00	\$ 25,000.00	\$ 2,968,331.00
Freese & Nichols: 1B BPS & DP Final	\$ 1,580,519.00	\$ 126,073.00	\$ -	\$ 1,706,592.00
Pape Dawson: 1B BPS & DP Prelim	\$ 57,520.00	\$ 43,080.00	\$ -	\$ 100,600.00
CD&P: 2020 Public Relations	\$ 50,000.00	\$ 10,000.00	\$ -	\$ 60,000.00

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 13th, 2021 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 968 8616 3170; Code: 495028

- H.** COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS – Possible acknowledgement by Committee Members of future area events and/or requests for item(s) to be placed on a future agenda where no action is required.
-

Background/Information

The Committee Members have an opportunity to make announcements or to request that items be added to future Board or Committee agendas.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 13th, 2021 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 968 8616 3170; Code: 495028

I.1 *Executive Session pursuant to the Government Code, Section 551.071 (Consultation with Attorney) and/or Section 551.072 (Real Property Deliberations) regarding:*

- A. *Water supply partnership options*
 - B. *Groundwater leases*
 - C. *Acquisition of real property for water supply project purposes*
-

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, October 13th, 2021 at 3:00 P.M.

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I.2 Action from Executive Session on the following matters:

- A. *Water supply partnership options*
 - B. *Groundwater leases*
 - C. *Acquisition of real property for water supply project purposes*
-

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J. ADJOURNMENT
