

**Alliance Regional Water Authority
Technical Committee**

REGULAR MEETING



ALLIANCE WATER

COMMITTEE MEMBER PACKETS

Wednesday, June 10th, 2020 at 3:00 P.M.

Conference Call Number: 1-903-405-2572
Code: 152 637 130#

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, June 10th, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 152 637 130#

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 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, June 10, 2020. The public may participate in this meeting by calling the following number and code:

Conference Call Number: 1-903-405-2572
Code: 152 637 130#

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 June 10, 2020. 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 Special Technical Committee Meeting held May 13, 2020. ~ *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 the Authority's Phase 1A projects. ~ *Jason Biemer, Project Coordinator*

F.2 Update and possible direction to Staff regarding the Authority's Phase 1B program. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*

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- F.3 Discussion and possible recommendation to the Board to recommend the approval of Work Order #5 with Blanton & Associates, Inc. for hazardous materials studies on Segment E.
- F.4 Update, discussion and possible direction to Staff regarding the Authority's Phase 1B Program Cost Estimates & Schedules. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
- F.5 Update, discussion and possible direction to Staff regarding the Authority's request to the Texas Water Development Board for additional SWIFT Funding. ~ *Graham Moore, P.E., Executive Director*
- F.6 Discussion of the proposed Authority budget for FY 2020-21; and possible direction to staff. ~ *Graham Moore, P.E., Executive Director*
- F.7 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
 - 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*

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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*

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>
Blake Neffendorf	
James Earp	
Tom Taggart	
Humberto Ramos	
Brian Lillibridge	
Mike Taylor	

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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 Regular Technical Committee Meeting held May 13, 2020. ~ *Graham Moore, P.E., Executive Director*

Attachment(s)

- 2020 05 13 Technical Committee Meeting Minutes

Technical Committee decision needed:

- Approval of minutes.



ALLIANCE WATER

Alliance Regional Water Authority

TECHNICAL COMMITTEE MEETING

MINUTES

Wednesday, May 13, 2020

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, May 13, 2020 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 3:01 p.m. by Mr. Earp.

B. ROLL CALL.

- **Present: Williams, Earp, Ramos and Taylor.**
- **Absent: Taggart, Lillibridge and Haehn.**

C. PUBLIC COMMENT PERIOD

- **None.**

D. CONSENT AGENDA

D.1 Consider approval of minutes of the Regular Technical Committee Meeting held April 8, 2020.

- **Motion to adopt the consent agenda as presented was made by Mr. Taylor, seconded by Mr. Ramos and approved on a 4-0 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 1A projects.
- **Mr. Biemer provided an update on the projects.**
 - **Mr. Williams inquired if sidewalks will be disrupted around the neighborhoods and if so, if paths can be provided around the construction to allow walkers/joggers paths.**
 - **Mr. Biemer stated that we will work with the contractor to provide paths around during the times when the existing path is blocked.**
 - **No Action.**
- F.2 Update and possible direction to Staff regarding the Authority's Phase 1B program.
- **Mr. Ryan Sowa with Kimley-Horn went through the presentation in the packet summarizing Kimley-Horn's recent activities.**
 - **Mr. Ramos inquired as to what items were seen in the initial investigation that required the additional investigation, such as a brownfield site.**
 - **Mr. Sowa responded that it was nothing to that extent, more run of the mill items, such as old burn piles, barrels, etc.**
 - **No Action.**
- F.3 Update, discussion and possible direction to Staff regarding the Authority's request to the Texas Water Development Board for additional SWIFT Funding.
- **Mr. Moore provided an update on the SWIFT application.**
- F.4 Update and possible direction to Staff regarding 2020 Sponsor water projections.
- **Mr. Biemer provided an update on the 2020 Sponsor water projections.**
 - **Mr. Ramos inquired if COVID will have an impact on water needs.**
 - **Mr. Moore stated that it was too early to determine and that the Authority relies on the Sponsor projections.**
 - **Mr. Earp and Mr. Williams both noted that the cities have not seen any slowdown in new construction permits.**
 - **No Action.**

- F.5 Discussion of the proposed Authority budget for FY 2020-21; and possible direction to staff.
- **Mr. Moore presented the draft budget.**
 - **Mr. Ramos inquired where the Operator and Bookkeeper will reside.**
 - **Mr. Moore stated that the Bookkeeper may be shared with Crystal Clear and would reside there; the Operator will work remotely and/or out of the Phase 1A Construction Trailer.**
 - **Mr. Ramos also inquired about the need for the engineering study on the regional wastewater project.**
 - **Mr. Moore noted that in the first report it was stated that projections would be updated every 5 years to determine actual growth patterns and whether a joint plant is warranted. Moving forward with updating the report would require separate Board action.**
 - **No Action.**

- F.6 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 on the various topics.**
 - **No Action.**

G. EXECUTIVE DIRECTOR REPORT

- **Update, no action.**

H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS

- **Mr. Earp asked that discussion be added to a future agenda to see if the Authority would like to request legislation that would allow for future meetings to be held via a combination of in-person and virtually.**
- **Mr. Moore noted that due to time restrictions he would place this item on the next Board agenda.**

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
- **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
 - **No Action.**

J. ADJOURNMENT

- **Meeting was adjourned at 3:48 p.m. by Mr. Earp.**

APPROVED: _____, 2020

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- F.1** Update and possible direction to Staff regarding the Authority's Phase 1A projects.
~ *Jason Biemer, Project Coordinator*
-

Background/Information

Below are brief updates on the Phase 1A projects.

Segment A Pipeline:

- Meter Testing anticipated in late June.

Segment B Pipeline:

- Crews working near Old Black Colony Road while Onion Creek bore effort is completed. ~700 LF laid down at OBC.
- Bore #5 at 67% complete (Lehigh Tract)
- Bore #6 at 95% complete (BSEACD Tract)
- Project on time. No change orders currently issued.
- Over 8,000 feet of pipe laid down.

Pump Station:

- Pump testing performed on 5/21/20 successfully. Pumps appear on the curve as anticipated.
- Training completed with remote access systems and security systems 5/21/20.
- Civil walkthrough and review upcoming week of June 22, 2020.
- Final change order anticipated this week or early next week.

Technical Committee Decisions Needed:

- None.

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- F.2** Update and possible direction to Staff regarding the Authority's Phase 1B program.
~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
-

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 – June 10, 2020
- Kimley-Horn Monthly Summary of Activities for May 2020

Technical Committee Decisions Needed:

- None.



Phase 1B Program Update

Technical Committee Meeting
June 10, 2020

Kimley»Horn

Agenda

Ongoing Progress

Environmental WO No. 5 (Additional Phase II Studies)



Kimley»Horn

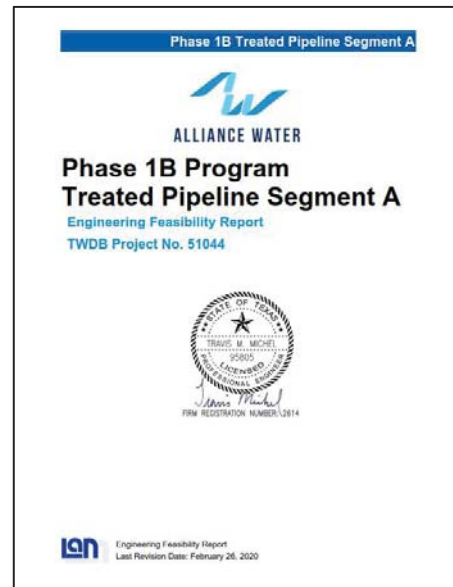
Ongoing Progress

Well Drilling Update

- TWDB - Executed Contract Review
- NTP – Anticipate in 2-3 Weeks

Texas Water Development Board Update

- EFR's Recently Approved
 - Raw Water Infrastructure
- EFR's to be Submitted
 - Pipeline Segment A
- Release of Funds
 - ROF No. 7 Approved
 - Booster Pump Station – Property Acquisition and Final Design



Kimley»Horn

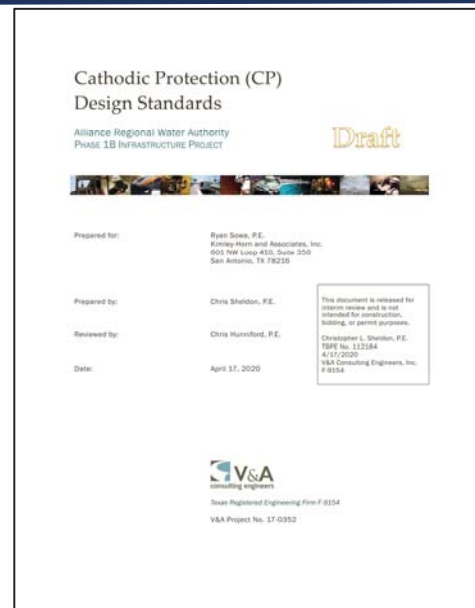
Ongoing Progress

Program Items Under Development

- Program Pipeline Standard Specifications
 - Received vendor feedback, finalizing
- Cathodic Protection Standards
 - Received consultant and PAC comments, finalizing
- Operation & Maintenance Budget Projection
 - Initial draft under ARWA review

Design Milestone Review

- Pipeline Segment A and Water Treatment Plant / Raw Water Infrastructure
 - 60% Design Submittal (May – Under Review Now)
- Pipeline Segment B
 - 60% Design Submittal (June)



Kimley»Horn

Pipeline Route Analyses & Rights of Entry

Pipeline Segment	Number of Right-of-Entry Requests	Right-of-Entry Received or Access Granted (No. of Parcels)	Right-of-Entry Received or Access Granted (%)	Alignment Confirmed (%)
A	38	38	100%	100%
B	44	44	100%	100%
D	64	64	100%	100%
C	86	78	91%	79%
E	32	32	100%	91%
Wellfield	19	16	84%	0%
Total	283	272		



Kimley»Horn

Pipeline Easement Acquisition Status

Pipeline Segment	Number of Parcels	Appraisals Prepared	Initial Offer Letter Delivered	Purchase Agreement Signed / Easement Closed
A	38	37	37	12
B	44	32	25	2
D	64	42	22	8
C	86	0	0	0
E	32	0	0	0
Wellfield	19	0	0	0
Total	283	111	84	22



Kimley»Horn



Questions?



Kimley»Horn



Consulting Services



Kimley»Horn

Environmental Services

Work Order No. 5 (Additional Phase II Studies):

Blanton Performed Phase I Investigations, and Identified Six (6) Locations Requiring Additional Studies along Pipeline Segment E

Phase II Scope of Work (Time & Materials on an As-Needed Basis):

- Project Management (Additional Coordination and Meetings)
- Phase II Investigations
 - Soil sampling at each location
 - Temporary monitoring well will be installed if groundwater is present (proposal assumes install at all locations)
 - Asbestos containing material investigation at one location
- Preparation of Letter Report

Maximum Not-to-Exceed Fee = \$XXX,XXX.00



Kimley»Horn

Questions?



Kimley»Horn

June 5, 2020

Project Monthly Summary

May 2020 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 Technical Committee Meeting Update.
 - Prepared and presented Board Meeting Update.
 - Prepared and presented Project Advisory Committee Meeting Update.
 - Prepared for and held Monthly Status Meeting with Alliance Water.

- Task 3 – Budgeting
 - Prepared Program Quarterly Update for the Technical Committee and Board Meetings.
 - Continued updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
 - Continued development of projected Operation and Maintenance costs.

- Task 4 – Schedule
 - Prepared Program Quarterly Update for the for the Technical Committee and Board Meetings.
 - Coordinated with Program team to include TCEQ Exception Requests within the overall Program schedule.
 - Coordinated with Program team to integrate each monthly project schedule update into overall Program schedule.

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

- Task 7 – Environmental Management
 - Reviewed and commented on draft Segment B Environmental Data Report.
 - Coordinated with Environmental Consultant to develop proposal for additional hazmat studies for Segments E.
 - Reviewed and commented on the draft desktop environmental analyses of potential inline elevated storage tank sites.
 - Continued coordination with the Program Environmental Consultant regarding additional hazmat studies for Segment A, B, D, and E.

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

- 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.
- 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 A, B, and D 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
 - Submitted the Award Document Submittal and updated Insurance Certificates for the Well Drilling Contractor to the TWDB for review.
 - Assisted ARWA with preparation of SWIFT application and addressing administrative comments from the TWDB.
 - Continued preparations for reimbursement funding release.
 - Continue coordination with TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review.

- Task 10 – Design Standards
 - Compiled and addressed comments from the Manufacturer review of the Pipeline Construction Standards and Details.
 - Revised the Cathodic Protection Program Standards given feedback from the PAC and Design Consultants.
 - Revised and finalized the Security Standards given feedback from the PAC and Design Consultants.
 - Coordinated with the Design Consultants to receive feedback and information related to the Fiber Standards.

- Task 11 – Engineering Design Management
 - Pipelines:

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

- Segment A
 - Began review of the 60% design submittal prepared by the Design Consultant.
 - Continued coordination with Design Consultant for final design.
 - Segment B
 - Continued coordination with Design Consultant to finalize EFR.
 - Continued coordination with Design Consultant for final design.
 - Segment C
 - Backchecked the Draft 30% Engineering Feasibility Report prepared by the Design Consultant.
 - Continued coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations as part of right-of-entry process and EFR development.
 - Segment D
 - Continued coordination with Design Consultant for final design.
 - Segment E
 - Reviewed the Draft 30% Engineering Feasibility Report prepared by the Design Consultant.
 - Continued coordination with Design Consultant regarding ongoing field work as part of right-of-entry process and EFR development.
- Wellfield:
 - Continued coordination regarding procurement of the construction contract for Wells 6-9.
- Raw Water Infrastructure:
 - Began review of the 60% design submittal prepared by the Design Consultant.
 - Continued coordination with Design Consultant for 60% design development.
- Water Treatment Plant:
 - Began review of the 60% design submittal prepared by the Design Consultant.
 - Continued coordination with Design Consultant for final design.
- Booster Pump Station:
 - Coordinated with Design Consultant for final design.
- Inline Elevated Storage Tanks:
 - Continued coordination with Design Consultant for 30% design development.
 - Coordinated with Environmental Consultant concerning desktop environmental analyses of potential tank sites.
- Other:

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

- Monthly progress meetings with all Design Consultants (pipelines, water treatment plant, raw water infrastructure, wellfield, booster pump station).
 - Review invoices, schedules, and risk logs for consultants.
- Task 13 – Electrical Power Planning
 - Continued coordinated with ARWA concerning emergency power needs and service options for the water treatment plant and wellfield.
 - Continued coordination with GVEC regarding electric service to the WTP and wellfield.
- Task 14 – Permit Coordination/Tracking
 - Prepared for and led TCEQ Coordination Meeting.
 - Prepared for and led meeting with Caldwell County concerning roadway crossing requirements.
 - Prepared for and led meeting with TxDOT concerning roadway improvements near WTP site.
 - Continued Permit coordination with Pipeline Consultants.
 - Continued coordination with Caldwell County concerning variance request for the Site Development Permit.
 - Continued General Coordination with TxDOT.
 - Continued General Coordination with GVEC and BBEC.
 - On-going Permit Tracking Log Updates.
- Task 16 – Other Services
 - Began preparing additional solar analysis and memo evaluating ARWA’s potential return on investment.
 - Commissioning Planning
 - Continued evaluating the commissioning of the Phase 1B infrastructure.

June 2020 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 Project Advisory Committee Meeting Update.
 - Prepare and present Technical Committee Meeting Update.
 - Prepare and present Board Meeting Update.
 - Prepare for and hold Monthly Status Meeting with Alliance Water.
- Task 3 – Budgeting

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

- Finalize and present Program Quarterly Update for the Technical Committee and Board Meetings.
- Continue updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
- Continue development of projected Operation and Maintenance costs.

- Task 4 – Schedule
 - Finalize and present Program Quarterly Update for the for the Technical Committee and Board Meetings.
 - Coordinate with Program team to integrate each project schedule into overall Program schedule.

- Task 6 – Data Management
 - Integrate executed easement documents within online GIS Web Map.
 - Ongoing maintenance of Microsoft SharePoint Online program.
 - Continued updating of web-based GIS for right-of-entry process and alignment changes.

- Task 7 – Environmental Management
 - Finalize proposal for additional hazmat studies for Segments E with Environmental Consultant.
 - Backcheck review the desktop environmental analyses of potential tank sites.
 - Continued coordination with the Program Environmental Consultant regarding additional hazmat studies for Segment B, D, 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
 - Attend Temporary Injunction Hearings for parcels where the Program is seeking a ROE.
 - Prepare update to the Land Acquisition Workflow.
 - Coordinate the appraisal process for Segment A, B, D, and E 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.

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

- 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
 - Submit the Segment A EFR to the TWDB for review.
 - Continue preparations for reimbursement funding release.
 - Continue coordination with TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review.

- Task 10 – Design Standards
 - Compile and address comments from the Manufacturer review of the Pipeline Construction Standards.
 - Distribute the revised Construction Details to the Design Consultants for review.
 - Prepare revised Division 00 and Division 01 standards for the Pipeline Design Consultants.
 - Finalize the Cathodic Protection Program Standards given feedback from the PAC and Design Consultants.
 - Distribute finalized Security Standards given feedback from the PAC and Design Consultants.
 - Finalize the Fiber Standards given feedback from the PAC and Design Consultants.

- Task 11 – Engineering Design Management
 - Pipelines:
 - Segment A
 - Finalize review of the 60% design submittal prepared by the Design Consultant.
 - Finalize and submit the Final 30% Engineering Feasibility Report to the TWDB.
 - Attend 60% Submittal Review Workshop.
 - Continue coordination with Design Consultant for final design.
 - Segment B
 - Begin review of the Segment B1 60% design submittal prepared by the Design Consultant.
 - Continue coordination with Design Consultant to finalize EFR.
 - Continue coordination with Design Consultant regarding for final design.
 - Segment C

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

- Finalize and backcheck the 30% Engineering Feasibility Report prepared by the Design Consultant.
 - Continue coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations as part of right-of-entry process and EFR development.
 - Segment D
 - Continue coordination with Design Consultant for final design.
 - Segment E
 - Finalize and backcheck the 30% Engineering Feasibility Report prepared by the Design Consultant.
 - Continue coordination with Design Consultant regarding ongoing field work as part of right-of-entry process and EFR development.
 - Continue coordination with Design Consultant regarding for final design.
 - Wellfield:
 - Prepare for and attend Pre-Construction Meeting.
 - Continue coordination regarding procurement of the construction contract for Wells 6-9.
 - Raw Water Infrastructure:
 - Continue coordination with Design Consultant for 60% design development.
 - Water Treatment Plant:
 - Finalize review of the 60% design submittal prepared by the Design Consultant.
 - Attend 60% Submittal Review Workshop.
 - Coordination with Design Consultant for final design.
 - Booster Pump Station:
 - Coordination with Design Consultant for final design.
 - Inline Elevated Storage Tanks:
 - Coordination with Design Consultant for 30% 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 concerning emergency power needs and service options for the water treatment plant and wellfield.
 - Continue coordination with GVEC regarding electric service to the WTP and wellfield.
 - Task 14 – Permit Coordination/Tracking
 - Continue Permit coordination with Pipeline consultants

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

- Continue Coordination with Caldwell County for variance request for the Site Development Permit.
- Coordinate with Hays County concerning the Site Development Permit.
- General Coordination with TxDOT.
- Coordinate with Hays County TxDOT office concerning roadway crossings.
- General Coordination with GVEC and BBEC.
- Permit Tracking Log Updates.

- Task 16 – Other Services
 - Prepare additional solar analysis and memo evaluating ARWA’s potential return on investment.
 - Commissioning Planning
 - Continue evaluating the commissioning of the Phase 1B infrastructure.
 - 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.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, June 10th, 2020 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 152 637 130#

- F.3** Discussion and possible recommendation to the Board to recommend the approval of Work Order #5 with Blanton & Associates, Inc. for hazardous materials studies on Segment E. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
-

Background/Information

Alliance Water entered into a Work Order in May 2018 with Blanton & Associates, Inc. for the environmental investigation for the Phase 1B projects. As a result of the initial investigations on the Segment E project, Blanton & Associates, and their subconsultant W&M, are recommending that Phase 2 Environmental Investigations proceed on five parcels. The investigation will be split between soil and groundwater sampling on properties of concern and lead and asbestos testing on structures to be demolished.

Below are some of the key facts regarding the additional investigation:

Firm: Blanton & Associates, Inc.
Fee: \$177,750
Work Order Type: Time and Materials
Anticipated Duration: 6 months
Project Manager: Velma Danielson
Key Subconsultants: W&M (HazMat)

Staff is requesting Technical Committee recommendation to the Board to approve a Work Order with a fee not-to-exceed \$177,750.

Attachment(s)

- Proposal for Additional Environmental Investigation for the Phase 1B Segment E Pipeline Project dated June 8, 2020.

Technical Committee Decision Needed:

- Possible recommendation to the Board to approve Work Order #5 with Blanton & Associates, Inc. for hazardous materials studies on Segment E.

Blanton & Associates, Inc. - Environmental Scope for Alliance Water Phase 1B Program

**Pursuant to Master Services Agreement Between Alliance Regional Water Authority and
Blanton & Associates, Inc., Dated May 23, 2018**

Work Order No. 005

June 8, 2020

WORK ORDER NO. 005 - DEFINITION AND BACKGROUND

On April 17, 2020, the Owner's Representative requested Blanton & Associates, Inc. (Environmental Consultant) prepare Work Order No. 005 to conduct soil and groundwater limited Phase IIs and/or lead and asbestos testing on structures that may be demolished on five parcels along the Phase 1B Program Segment E pipeline alignment.

The Environmental Consultant Work Order No. 005 scope of work consists of the task and sub-task indicated below (that are additive to Work Order No. 001 tasks) and in an attached cost spreadsheet. Compensation for Work Order No. 005 will be on a time and materials basis.

The Environmental Consultant is not responsible, or liable, for any work performed by W&M as part of their Limited Phase II Investigation work included in Work Order No. 005 for the Phase 1B Program Projects. W&M will provide all insurance necessary for work related to the Limited Phase II Investigations for the Phase 1B Program Projects.

SCOPE OF WORK

10. Limited Phase II Investigations – Segment E Pipeline Alignment

10.1. Project Management

10.1.1. Prepare Monthly Summary Reports/Invoicing

Assumption(s) for 10.1.1:

- Invoice format and due date will be the same as required in the Project Management Plan (PMP) in effect at time of Task 10 approval and will not be revised for the duration of work on Work Order No. 005.

10.1.2. Implement PMP Requirements and QA/QC Plan Requirements for Task 10

Assumption(s) for 10.1.2:

- QC review of one draft and one final Phase II report for all five parcels.
- There will not be any revisions to PMP requirements related to Task 10 for the duration of work on Work Order No. 005.

10.1.3. Schedule Development and Monthly Updates

Assumption(s) for 10.1.3:

- Environmental Consultant will provide the project schedule utilizing Microsoft™ Project software for the project.
- Environmental Consultant will provide schedule updates no more than three times for the duration of Work Order No. 005 based on five planned field mobilizations.
- If more than five field mobilizations are required resulting in additional schedule updates, additional project costs will be incurred.
- Environmental Consultant will provide abbreviated schedule updates during the monthly progress meetings.

10.1.4. Risk Register related to Limited Phase II Investigation field work.

10.1.5. Meetings

10.1.5.1. Monthly Progress Meetings with Owner's Rep Env Staff

Assumption(s) for 10.1.5.1:

- Attendance at these meetings will be by conference call.
- An item related to Task 10 will be added to the monthly progress meeting agenda for the duration of work on Task 10. The Environmental Consultant's sub-consultant will participate in related discussions during these meetings.

10.1.5.2. Additional Meetings – Owner's Representative/Segment E Engineer

Assumptions(s) for 10.1.5.2:

- Up to two meetings may be held with the Owner's Representative/Segment E Engineer by conference call.

10.1.5.3 Internal Environmental Consultant Team Meetings

Assumptions(s) for 10.1.5.3:

- Up to four meetings may be held by conference call.

10.1.6. Deliverables

10.1.6.1. Monthly Summary Reports

10.1.6.2. Schedule (and schedule updates to be provided with Item 10.1.1 as necessary)

10.1.6.3. Meeting Notes

Assumption(s) for 10.1.6.3:

- Owner's Representative's meeting notes template will be used.
- Environmental Consultant will be responsible for initial development, compilation of changes, and distribution of final meeting notes for each meeting.

10.2. Limited Phase II Investigations

10.2.1. Limited Phase II Investigation field work and reporting (See attached *Work Order No. 005 for Professional Services Limited Phase II Investigations Alliance Water Proposed Transmission Pipeline "Segment E" Guadalupe County, Texas* from W&M Environmental).

Assumption(s) for 10.2.1:

- Assumptions for this section are detailed in the attached W&M Work Order scope of work.

10.2.2. Data Evaluation, Reporting, & Project Management (See attached *Work Order No. 005 for Professional Services Limited Phase II Investigations Alliance Water Proposed Transmission Pipeline "Segment E" Guadalupe County, Texas* from W&M Environmental).

Assumption(s) for 10.2.2:

- Assumptions for this section are detailed in the attached W&M Work Order scope of work.

10.3. Land Acquisition Coordination for Parcel Access

Assumption(s) for 10.3:

- The Owner's Rep will issue NTP to the Environmental Consultant in order to begin field work.
- Receipt of NTP will be provided to the Environmental Consultant prior to field surveys being conducted, as required by the Owner's Rep's Field Work Site Visit Protocol.
- Preparation for field surveys will follow the Owner's Rep's Field Work Site Visit Protocol, original and revised, including preparation of field binders (ROE table, field checklists, survey forms, field maps, etc.) and making crew assignments and travel arrangements. B&A will submit property access request forms (PARFs) to complete field work.
- Environmental Consultant will conduct this field work contingent upon receipt of the completed PARFs, and provided that the Program does not make changes to survey area requirements and landowners do not either revoke access or add last minute restrictions severely limiting our ability to access these parcels or prohibiting the Environmental Consultant from conducting planned field work within the four-week PARF window. Should these issues arise, the Environmental Consultant will assess any impacts to planned field work to determine whether we are able to move forward as scheduled or will need to postpone field work due to circumstances beyond either the Program's or the Environmental Consultant's control.

10.3.1. Complete one agenda and meeting with land acquisition to detail specific field tasks and requests.

10.3.2. Complete and submit the PARFs.

10.3.3. Coordination regarding landowners and arranging for property access.

10.3.4. Conduct additional work required to verify property access specific requirements.

10.3.5. Field work will be performed when enough property access is obtained to conduct no more than five field mobilizations. Additional project costs will be incurred if there are more than five field mobilizations necessary to complete the required field work.

10.3.6. Deliverables

10.3.6.1. GIS data uploads/updates including survey corridor status shapefiles and excel file with status are required to be submitted within two weeks of field survey event.

10.3.6.2. Field Checklists (required to be submitted within two weeks of field survey event)

10.3.6.3. Preliminary finding summaries to be sent by email to the Owner's Representative no later than three business days after completion of each field mobilization.



**WORK ORDER NO. 005 FOR PROFESSIONAL SERVICES
LIMITED PHASE II INVESTIGATIONS
ALLIANCE WATER PROPOSED TRANSMISSION PIPELINE “SEGMENT E”
GUADALUPE COUNTY, TEXAS**

This Work Order constitutes authorization by **Blanton & Associates, Inc.** (otherwise referred to as Client or B&A) for **W&M Environmental, a Division of Braun Intertec Corporation** (W&M, otherwise referred to as Consultant) to proceed with Limited Phase II Investigations of five parcels [REDACTED] located along Segment E of the proposed Alliance Regional Water Authority (Alliance Water) water transmission pipeline in Guadalupe County, Texas. Segment E is one of five segments in the Alliance Water Phase 1B Program (Program). W&M has completed a desktop review and field reconnaissance for hazardous materials of parcels along Segment E and identified recognized environmental conditions (RECs) on or adjacent to seven parcels [REDACTED]. A map outlining the locations of these seven parcels is provided as **Figure 1**. The two RECs identified on Parcel [REDACTED] are expected to be resolved with the Phase II investigation in progress at [REDACTED] and thus additional investigation of Parcel [REDACTED] is not included in this Work Order. The REC identified in connection to Parcel [REDACTED] has been resolved based on the distance to the proposed construction easement.

A limited Phase II investigation is recommended at five parcels [REDACTED] to determine if soil and/or groundwater within the construction excavation zone of the proposed pipeline easement has been impacted from the identified RECs and to test for the presence of asbestos and lead-based paint in structures intended for demolition and disposal prior to construction activities. W&M also recommends obtaining an inventory of various drums, tanks, and other containers located inside or near structures being considered for demolition to assist with evaluating future disposal options. A summary of our findings to date and recommendations for Segment E is attached as **Table 1**. Note: soil and groundwater investigation activities associated with RECs identified on Parcel [REDACTED] are being conducted under Work Order No. 004 and not included in this Work Order. However, testing of structures for asbestos and lead and completing an inventory of storage containers within the construction easement of Parcel [REDACTED] are included.

The purpose of soil, groundwater, and building material sampling during the investigation is to provide the Program with analytical data to lessen the risk of construction delays. If the soil or groundwater is found to be contaminated, work can be done ahead of construction to 1) consider potential worker safety concerns and 2) profile the soil and/or groundwater for proper disposal in case soil needs special disposal or the water has to be pumped out of the excavation. Also, if the groundwater is contaminated, a plan can be developed to prevent migration of the impacted groundwater via the trench (conduit) that is being excavated. The cost to install and sample soil borings and temporary wells is minor compared to the cost of construction delays if potentially-impacted soil and/or groundwater is encountered during construction. Similarly, sampling of building materials for structures slated for demolition and removal will provide information to address potential worker safety concerns and disposal options. Specifically, asbestos surveys are proposed to assess the potential presence and location of asbestos-containing material (ACM) prior to demolition activities. In the event ACM is detected, State and Federal laws would require ACM be removed prior to building demolition. Similarly, the purpose of the LBP survey is to assess the potential presence and location of LBP prior to demolition activities in accordance with State and Federal laws. W&M will subcontract the asbestos and LBP surveys to Farmer Environmental Group, LLC (FEG), a licensed asbestos and lead-based paint consulting firm. Due to the numerous drums, containers, and tanks observed within the survey corridor during the field reconnaissance, an inventory of containers located within the construction easement is recommended to further evaluate options for characterizing and properly disposing of potentially hazardous materials. W&M will contract with CG Environmental, LLC to complete the inventory.

W&M will work with Client representatives to gain access to the five Segment E parcels listed above but will not be responsible for obtaining landowner right of entry agreements or Property Access Request Forms for the proposed activity. Because it is unlikely that access to the five parcels will be obtained for the same time period, this Work Order assumes that up to five separate mobilizations may be necessary to complete the proposed field work.

This Work Order is based on the locations of the permanent and temporary construction easements provided by the Program on June 4, 2020. Changes to the construction easements may result in the need to change the sampling plan described in this Work Order and may result in additional costs.

B&A is not responsible, or liable, for any work performed by W&M as part of the Limited Phase II Investigation work included in Work Order No. 005 for the Phase 1B Program Projects. W&M will provide all insurance coverage necessary for work related to the Phase II Investigations for the Phase 1B Program Projects.

Scope of Services

The proposed scope of services is as follows:

1. Field Work (Task 10.2.1):

Soil & Groundwater Sampling. Prior to initiating field work, W&M will obtain the proposed excavation depths from the Program in order to determine the appropriate drilling depth for each proposed drilling location. W&M will prepare a project specific health and safety plan, mark proposed drilling locations, and notify public utilities through Texas 811. A private utility locate service will also be contracted to assess the proposed drilling locations. A Texas-licensed driller will be contracted to advance up to seven soil borings associated with suspected source areas. The 3.5-inch diameter soil borings will be advanced within the construction easement using a truck-mounted direct-push drilling rig to approximately 2 feet below the estimated total depth of the proposed excavation (generally 15 to 20 feet below ground surface). Field support trucks will also be utilized by W&M staff and contractors. The soil column from each boring will be continuously logged by a W&M field geologist and soil samples will be screened with a photoionization detector (PID) at 2.5-foot intervals.

Six of the seven proposed soil borings will be advanced to a maximum depth of 25 feet for the purpose of assessing shallow groundwater. If groundwater is observed during drilling, temporary monitoring wells (TMWs) will be installed for the collection of groundwater samples.

Up to two soil samples from each boring will be selected for laboratory analysis of volatile organic compounds (VOCs), total petroleum hydrocarbons (TPH), Resource Conservation & Recovery Act (RCRA) metals, and poly-aromatic hydrocarbons (PAH). At Parcel E032G, three surface soil samples will be collected using a clean hand-auger or trowel to a maximum depth of 2 feet from inside the structure associated with the REC identified as [REDACTED], and analyzed for the same constituents. Soil borings advanced for the purpose of installing a temporary monitoring well will be logged by the W&M field geologist and screened with a PID, but no samples will be submitted for laboratory analysis. Refer to **Table 1** for sampling parameters and methods.

Soil samples collected for the analysis of VOCs and TPH will be collected using U.S. Environmental Protection Agency (EPA) Method 5035 with dedicated Terracore samplers provided by the laboratory. Samples will be immediately stored on ice and submitted to an accredited laboratory for analysis using U.S. Environmental Protection Agency (EPA) or Texas Commission on Environmental Quality (TCEQ) approved methods. For quality assurance/quality control (QA/QC) purposes, duplicate soil samples will be recovered at a 10% frequency, or one duplicate for every 10 samples collected, for analysis of VOCs. Standard turn-around times will be requested on the chain-of-custody, with results expected within 7 to 10 business days.

The six proposed TMW locations represent areas where shallow groundwater, if present, may be impacted by a previously identified REC located either within or adjacent to the proposed permanent construction easement. The TMWs will be developed and sampled (if sufficient water is present) for VOCs, TPH, RCRA metals, and PAHs, and plugged by the drilling contractor the same day or within 48 hours. Samples collected for metals analysis will be filtered in the field. Standard turn-around times will be requested on the chain-of-custody, with most results expected within 7 to 10 business days.

If a groundwater sample cannot be collected prior to plugging the TMW, then W&M will evaluate the field observations to determine if a permanent well(s) is warranted. If a permanent well is recommended, the work will be conducted under a separate work order.

The drilling depths of soil borings and TMWs will be REC-specific but not to exceed 25 feet (in many places, the drilling depth may be only 10 to 15 feet). The location of the REC will be compared to the proposed excavation depths provided by the Program to determine an appropriate drilling depth. The cost to evaluate this information and determine specific drilling depths for each sample location is included in this Work Order. The termination depth will depend on the proposed construction depth and will extend to slightly below (~2 feet) the total depth of excavation needed for pipeline construction. If no groundwater is observed during drilling to the specified depth, then no temporary monitoring well will be installed.

The location of each sampling point will be recorded with a handheld GPS unit.

Investigation derived waste (IDW) such as soil cuttings and purged groundwater will be containerized in 55-gallon steel drums. Up to two 55-gallon steel drums containing soil cuttings and purged groundwater may be generated at each parcel where drilling occurs (up to 10 drums total) and will be temporarily placed near the drilling operations. Representative samples of the IDW will be collected to profile the waste for disposal. If the waste is not impacted, then W&M will return to the parcel to spread the material on-site and remove the empty drums. However, if the waste is found to be impacted, costs to profile and dispose of up to 10 drums as a Class 2 non-hazardous waste are included in this Work Order. Any additional costs required for proper disposal of the IDW will be addressed in a separate work order. IDW management and disposal also assumes that the field work will be conducted under five separate mobilizations.

Assessment of Structures and Inventory of Storage Containers.

Asbestos Survey

Based upon the age, number, and historical uses of the Site buildings, it is assumed up to 15 building material samples will be collected per building (up to three buildings, for a total of up to 45 samples) and submitted for analysis using polarized light microscopy (PLM) to determine asbestos content. Building material samples will be collected in accordance with Asbestos Hazard Emergency Response Act (AHERA) sampling protocol. Samples will be analyzed on a standard turnaround time (5 business days). Once the Site buildings have been observed, it is possible the number of samples required will change, altering the overall cost of the Asbestos Survey. Asbestos surveys are proposed on two parcels: [REDACTED] (one structure) and [REDACTED] (two structures).

LBP Survey

An experienced, EPA-accredited and Texas Department of State Health Services (DSHS)-licensed Lead-Risk Assessor/Lead Inspector will conduct the inspection in accordance with the Texas DSHS Texas Lead Reduction Rules. Suspect LBP will be tested with an x-ray fluorescent analyzer (XRF). Sample results equal to or greater than 1.0 milligram of lead per square centimeter (mg Pb/cm²) will be reported as LBP. LBP surveys are proposed on two parcels: [REDACTED] (one structure) and [REDACTED] (two structures).

Storage Container Inventory

An inventory of the various storage containers of potentially hazardous material located within the construction easement of Segment E will be conducted to obtain information on the types and quantities of waste that may need to be managed by Alliance Water during demolition activities. W&M will subcontract an experienced hazardous waste services company (CG Environmental, LLC) to perform this task on two parcels: [REDACTED] and [REDACTED]. Once the inventory is completed, W&M will prepare a separate Work Order for container sampling and analysis. This Work Order does not include costs for sample plan preparation, sample collection, analytical testing of the container contents, or profiling, transport, and disposal of the storage containers.

- 2. Data Evaluation, Reporting, & Project Management (Task 10.2.2).** A preliminary findings summary will be provided to Blanton via email within 3 business days following the completion of each field mobilization. Preliminary results for each parcel will be provided to Blanton via email correspondence within 5 business days of receiving the final analytical report(s) from each mobilization. W&M will present the results of the investigation in a single Limited Phase II Investigation letter report. The report will detail the sampling results,

conclusions, and recommendations, if needed, for assistance with construction activities or for regulatory assistance. The report will be reviewed and sealed by a Professional Geoscientist.

This task includes project management costs for scope development, kickoff meeting with the Program in Austin, preparation/review of a risk register, submittal of preliminary finding summaries and field checklists, monthly conference calls for up to 6 months, two teleconference meetings, and preparation of a monthly summary for up to 6 months.

Payment

The fees for these professional consulting services will be billed on a time and material basis for \$150,680 based on the attached worksheets and fee schedule. W&M will not exceed \$150,680 in billings without prior written consent from Client. Work shall be performed under the terms and conditions set forth in the Assignment, Assumption, and Consent effective September 30, 2018.

Schedule

W&M will proceed immediately following a written notice-to-proceed from the Client. Because the actual dates of field work will be constrained by parcel access and driller availability, W&M will immediately contact the drilling subcontractor and the appropriate land agent to coordinate field work schedules upon receiving a written notice-to-proceed from the Client. The draft Phase II report is anticipated to be completed within 6 weeks of receiving the final analytical results.

BILLING INFORMATION:
BLANTON & ASSOCIATES, INC.
5 Lakeway Centre Court, Suite 200
Austin, Texas 78734

REMIT PAYMENT TO:
**W&M ENVIRONMENTAL, A DIVISION OF
BRAUN INTERTEC CORPORATION**
NW 7644 PO Box 1450
Minneapolis, Minnesota 55485

Don Blanton
(512) 264-1095
dblanton@blantonassociates.com

PIC: Diana Rader, P.G.
PM: Trudy Hasan, P.G.
thasan@braunintertec.com
512-721-0005 Direct

Authorized:

Accepted:

SIGNATURE: _____

SIGNATURE: _____

DATE: _____

DATE: _____

TABLE 1
SUMMARY OF FINDINGS & RECOMMENDATIONS

Segment E Area
Guadalupe County, Texas

Parcel ID	Date visited	Findings Description	Findings ID	Location Relative to Construction Easement	Notes	Recommendations	Soil Borings/Temporary Wells ¹	Asbestos and LBP Survey	Drum/Container Inventory	Laboratory Analysis ²
█	6/12/2019	Firefighting Training Facility ³	█	outside	Potential per- and/or polyfluoroalkyl substances (PFAS) use within survey corridor and adjacent to construction easement; includes desktop findings that are on or adjacent to the survey corridor.	Assessment of groundwater on Parcel E002 for PFAS is being conducted under Work Order No. 004. TMW-10 was drilled on 5/13/20 but no groundwater was observed or sampled. No additional sampling is recommended at this time.	None (See TMW-10 drilled under WO No. 004)	None	No	None
		Structure with stains inside and outside	█	outside	Equipment storage, paint cans, oil, dark stains both inside and outside structure; staining is within the survey corridor but outside of the proposed construction easement	Based on assessment data collected under Work Order No. 004 which indicates a lack of groundwater within the construction zone, no additional sampling is recommended at this time.	None	None	No	None
█	6/12/2019	Old shed intended for demolition, containers inside shed, and three 55-gallon steel drums outside of shed (not empty)	NA	within	Potential soil and groundwater impacts from the three drums to be assessed under Work Order No. 004. Additional work proposed for demolition of shed and disposal of the drums	Conduct asbestos and lead-based paint survey in one structure (shed) intended for demolition; take inventory of possible hazardous materials in containers and drums	None	Up to 15 asbestos samples per structure, up to 1 structure	Yes	Asbestos and Lead
█	2/27/2020	Drums on ground inside structure	█	outside	Unlabeled drums with staining and leaking dark oil-like product, propane AST (not in use)	Collect groundwater samples from within construction easement southeast of these RECS	2 temp wells, up to 25 ft deep Screen soils during drilling	None; structures are outside of construction easement	No; drums and containers are outside of construction easement	TPH, VOCs, PAH, RCRA metals
		Fuel tanks (AST)	█	outside	Older 500-gal ASTs on stands, not labeled, no pavement or secondary containment					
		Drums (leaking) & tanks	█	outside	Unlabeled drums with staining and leaking dark oil-like product, propane AST (not in use)					
		Structure with chemical containers, staining	█	outside	Chemical containers and other material storage inside structure, some staining inside structure					
█	2/27/2020	Burn drum	█	within	Older burn drum, rusted and with holes, oil filter and plastic materials	Collect soil samples	1 soil boring, up to 20 feet deep	None	No	TPH, VOCs, PAH, RCRA metals
		Structure with drums, containers, poor condition	█	within	Drums, other chemical containers, car parts, not paved	Collect soil and GW samples	1 soil boring/temp well, up to 25 feet deep; 3 shallow soil samples from inside structure (by hand)	None	see below	TPH, VOCs, PAH, RCRA metals
		Structures, containers, drums	NA	within	Multiple structures within survey corridor; two within the permanent construction easement	Conduct asbestos and lead-based paint survey in each structure intended for demolition; take inventory of possible hazardous materials in containers and drums	None	Up to 15 asbestos samples per structure, up to 2 structures (30 samples total)	Yes	Asbestos and Lead
█	2/24/2020	Pit	█	within	Visible in historical aerials beginning ~2008, possible dumping or fill of unknown origin. Currently dry and mostly vegetated.	Collect soil and GW samples	1 soil boring/temp well, up to 25 feet deep	None	No	TPH, VOCs, PAH, RCRA metals
█	2/24/2020	Storage tanks	█	outside	One diesel, one unleaded AST, no containment. Approx. 50 feet outside of survey corridor but nearly 250 feet from construction easement. Too far to be a concern in relation to the construction easement - REC resolved.	No Phase II investigation is necessary.	None	None	No	None
█	2/24/2020	Old Vehicle (staining/leak - hydraulic fluid)	█	outside	Old tractor, 5-gal buckets of hydraulic and transmission fluid, staining, soil staining and stressed vegetation, within 30 ft of area, same area as historical debris (A26).	Collect GW sample	1 temp well, up to 25 feet deep Screen soils during drilling	None	No	TPH, VOCs, PAH, RCRA metals
		Tanks with staining	█	outside	Air compressor and air compressor tanks. Staining around base of units. Also desktop findings A21 & A22 at this location.	Collect GW sample	1 temp well, up to 25 feet deep Screen soils during drilling	None	No	TPH, VOCs, PAH, RCRA metals

Notes:

¹Soil borings and/or temporary monitoring wells to be installed using a licensed well driller using direct-push rig. Groundwater samples will be collected from temporary monitoring wells using low flow methods if sufficient flow is available; otherwise, samples will be collected with a disposable bailer. Maximum depths are estimated.

²TPH=total petroleum hydrocarbons by TCEQ Method 1005. VOCs = volatile organic compounds by U.S. Environmental Protection Agency (EPA) Method 8260. Resource Conservation & Recovery Act (RCRA) metals by EPA Methods 6010/7471. PAH = polycyclic aromatic hydrocarbons by EPA Method 8270.

³The REC associated with fire-fighting training on Parcel E001aG is currently being assessed on Parcel E002 under Work Order No. 004. At this time, no additional sampling appears necessary based on the location of the proposed construction easement.

The Phase II recommendations provided in this table represent an initial scope of work to determine if soil and/or groundwater is impacted above regulatory action levels. Another round or two of sampling may be necessary at some locations to further define the nature and extent of contamination.

B	C	D	E	F	G	H	I	J	AD	AE	AF	AG	AH	AJ	AL	AM		
1	W&M																	
2	Alliance Water																	
3	Pipeline Consultant																	
4	6/8/2020																	
5	Detailed Overall Env Consultant Cost Breakdown																	
6																		
7	Task	Project Role	Principal Consultant II	Sr. Consultant II	Project Consultant III	Project Consultant I	Staff Consultant III	Staff Consultant I or Project Coordinator	GIS Analyst	Total Hours	W&M Labor Effort	W&M Expense & Subs	W&M Labor	Sub consultants (lab, drilling, waste)	W&M Expense Effort	Total W&M Effort	Assumptions	
8		Hourly Bill Rate	\$245.00	\$197.00	\$160.00	\$136.00	\$118.00	\$90.00	\$100.00									
9	Basic Services																	
10	10	Task 10 - Limited Phase II Investigations - Segment E								710.00	99,800.00	50,880.00	99,800.00	48,000.00	2,880.00	150,680.00		
11	10.1	Project Management																
12	10.1.1	Prepare Monthly Summary Reports / Invoicing								0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
13	10.1.2	Implement PMP Requirements & QA/QC Plan Requirements								0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
14	10.1.3	Schedule Development & Monthly Updates								0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
15	10.1.4	Risk Register related to Phase II ESA field work								0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
16	10.1.5	Meetings																
17	10.1.5.1	Attend Meetings								0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
18	10.1.5.2	Additional Meetings								0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
19	10.1.5.3	Internal Environmental Consultant Team Meetings								0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
20	10.1.6	Deliverables																
21	10.1.6.1	Monthly Summary Reports								0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
22	10.1.6.2	Schedules								0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
23	10.1.6.3	Meeting Notes								0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
24	10.2	Phase II ESAs (see W&M Work Order)																
25	10.2.1	Field Work - Soil and Groundwater Sampling; Structure Assessment; Inventory of chemical storage	20		100			240		20	380	\$ 51,220	\$ 50,880	\$ 51,220	\$ 48,000	\$ 2,880	\$ 102,100	See W&M Work Order
26	10.2.2	Data Evaluation, Reporting & Project Management	40		140			90	24	36	330	\$ 48,580	\$ -	\$ 48,580	\$ -	\$ -	\$ 48,580	See W&M Work Order
27										0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
28										0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
29										0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
30										0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
31										0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
193										710.00	\$ 99,800	\$ 50,880	\$ 99,800	\$ 48,000	\$ 2,880	\$ 150,680		

**Blanton Associates
Alliance Water
Pipeline Consultant
Expense Breakdown**

		TASK #10	
OTHER DIRECT COST			
<u>Item</u>	<u>Per Unit</u>	<u># of Units</u>	<u>Cost</u>
Lodging	\$120.00		\$0.00
ATV	\$75.00		\$0.00
GPS	\$100.00		\$0.00
Camera	\$45.00		\$0.00
Vehicle Mileage	0.575	600	\$345.00
Vehicle Rental	\$100.00	12	\$1,200.00
4X4 Vehicle Rental	\$125.00		\$0.00
Per Diem - Meals	\$45.00	3	\$135.00
Misc. (Tolls, Parking)	\$10.00		\$0.00
Field Supplies	\$400.00	3	\$1,200.00
Facility Rental	\$800.00		\$0.00
Backhoe Rental	\$1,000.00		\$0.00
Overnight Mail	\$40.00		\$0.00
Mail	\$0.50		\$0.00
Color Plot (sq.ft.)	\$1.50		\$0.00
Color Copies (per 8.5x11 sheet)	\$0.35		\$0.00
Color Copies (per 11x17 sheet)	\$0.50		\$0.00
Copies (per 8.5x11 sheet)	\$0.10		\$0.00
Copies (per 11x17 sheet)	\$0.10		\$0.00
Court Reporter	\$500.00		\$0.00
Curation of Archeological Materials	\$200.00		\$0.00
Newspaper Ads	\$1,200.00		\$0.00
Regulatory Database Search, Aerials, Topos (georeferenced)	\$345.00		\$0.00
Archeological Site Form TARL Processing Fee	\$96.00		\$0.00
TOTAL OTHER DIRECT COST			\$2,880.00



**W&M ENVIRONMENTAL,
A DIVISION OF BRAUN INTERTEC**

**STANDARD FEE SCHEDULE
Effective January 1, 2020 – December 31, 2020**

LABOR CATEGORY	HOURLY RATE
Principal Consultant II.....	\$245
Principal Consultant I.....	\$218
Senior Consultant II.....	\$197
Senior Consultant I.....	\$175
Project Consultant III.....	\$160
Project Consultant II.....	\$145
Project Consultant I.....	\$136
Staff Consultant III.....	\$118
Staff Consultant II.....	\$100
Staff Consultant I.....	\$90
Field Scientist IV.....	\$105
Field Scientist III.....	\$96
Field Scientist II.....	\$88
Field Scientist I.....	\$80
GIS Analyst II.....	\$100
GIS Analyst I.....	\$90
Project Coordinator.....	\$90

Charges for expert witness, emergency, litigation support related depositions, court appearances, and trial testimony will be billed at the above rates plus 100%.

OTHER DIRECT COSTS

Rental Equipment.....	Cost + 15%
Travel.....	Cost + 15%
Food and Lodging (Professional Staff).....	Cost + 15%
Company Vehicle.....	\$125/day (+ mileage > 50 miles)
Mileage.....	IRS Standard Mileage Rate + 15%*
W&M Field Equipment.....	project specific, on request

* Rate may vary based on prevailing IRS Standard Mileage Rate.

OUTSIDE PROFESSIONALS & SERVICES

Outside services, equipment, and facilities provided by W&M will be billed at cost plus 15 percent (15%) and may include the following:

- Laboratory Testing
- Drilling and Geoprobe™ Services
- Remediation Subcontractors
- Waste Disposal and/or Transportation Subcontractors
- Other Consultants

INVOICES

Invoices will be generated and submitted monthly, at a minimum, and are payable upon receipt. Additional payment terms are presented in the Consulting Agreement.

Alliance Water										Work Order #5 Summary	
Pipeline Consultant 6/8/2020										Blanton	\$ 27,070
Detailed Overall Env Consultant Cost Breakdown										W&M	\$ 150,680
										Total W.O. #5	\$ 177,750

Task	Project Role	PM	DPM	ENV Professional	ENV Tech I	Admin	Total Hours	Total Labor Effort	Total Expense Effort	W&M Labor	W&M Expense Effort	Total Sub Effort	Total Effort	Assumptions
	Hourly Bill Rate	\$180.00	\$170.00	\$150.00	\$90.00	\$70.00								
Basic Services														
10	Task 10 - Limited Phase II Investigations - Segment E Pipeline Alignment						224	27070	0	99800	50880	150680	177750	
10.1	Project Management							12940	0	0	0	0	12940	
10.1.1	Prepare Monthly Summary Reports / Invoicing	4	2		4	3	13	1,630		-	-	-	1,630	See Discussion/Assumption(s) - Task 10.1.1, Scope of Work
10.1.2	Implement PMP Requirements & QA/QC Plan Requirements	6		4	16	3	29	3,330		-	-	-	3,330	See Discussion/Assumption(s) - Task 10.1.2, Scope of Work
10.1.3	Schedule Development & Monthly Updates	4			8		12	1,440		-	-	-	1,440	See Discussion/Assumption(s) - Task 10.1.3, Scope of Work
10.1.4	Risk Register related to Limited Phase II Investigations field work	2			6		8	900		-	-	-	900	See Discussion - Task 10.1.4, Scope of Work
10.1.5	Meetings													
10.1.5.1	Attend Meetings	3			3		6	810		-	-	-	810	See Discussion/Assumption(s) - Task 10.1.5.1, Scope of Work
10.1.5.2	Additional Meetings	4			4		8	1,080		-	-	-	1,080	See Discussion/Assumption(s) - Task 10.1.5.2, Scope of Work
10.1.5.3	Internal Environmental Consultant Team Meetings	6	3		6		15	2,130		-	-	-	2,130	See Discussion/Assumption(s) - Task 10.1.5.3, Scope of Work
10.1.6	Deliverables													
10.1.6.1	Monthly Summary Reports						-	-		-	-	-	-	See Discussion - Task 10.1.6.1, Scope of Work
10.1.6.2	Schedules						-	-		-	-	-	-	See Discussion - Task 10.1.6.2, Scope of Work
10.1.6.3	Meeting Notes	6			6		12	1,620		-	-	-	1,620	See Discussion/Assumption(s) - Task 10.1.6.3, Scope of Work
10.2	Limited Phase II Investigations							2,860	-	99,800	50,880	150,680	153,540	
10.2.1	Field Work -Soil & Groundwater Sampling						-	-		51,220	50,880	102,100	102,100	See Discussion/Assumption(s) - Task 10.2.1, Scope of Work
10.2.2	Data Evaluation, Reporting & Project Management	4	2		20		26	2,860		48,580		48,580	51,440	See Discussion/Assumption(s) - Task 10.2.2, Scope of Work
10.3	Land Acquisition Coordination for Parcel Access							11270	0	0	0	0	11270	
10.3.1	Complete one agenda and meeting w/ land acquisition	6			8	1	15	1,870		-	-	-	1,870	See Discussion - Task 10.3.1, Scope of Work
10.3.2	Complete and submit property access request forms	3			10		13	1,440		-	-	-	1,440	See Discussion - Task 10.3.2, Scope of Work
10.3.3	Coordinate with landowners	3			10		13	1,440		-	-	-	1,440	See Discussion - Task 10.3.3, Scope of Work
10.3.4	Conduct additional work required to verify property access requirements	2	3		10		15	1,770		-	-	-	1,770	See Discussion - Task 10.3.4, Scope of Work
10.3.5	Field Work	3			7		10	1,170		-	-	-	1,170	See Discussion - Task 10.3.5, Scope of Work
10.3.6	Deliverables													
10.3.6.1	GIS data uploads / updates	3			6		9	1,080		-	-	-	1,080	See Discussion - Task 10.3.6.1, Scope of Work
10.3.6.2	Field Checklists	3			6		9	1,080		-	-	-	1,080	See Discussion - Task 10.3.6.2, Scope of Work
10.3.6.3	Preliminary finding summaries	3	2		6		11	1,420		-	-	-	1,420	See Discussion - Task 10.3.6.3, Scope of Work
							224	27,070	-	129,925	79,805	150,680	177,750	

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, June 10th, 2020 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 152 637 130#

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

Background/Information

Attached is a presentation update on the schedule and budget for the Phase 1B Program. The presentation this month will be at a high level as Staff and the Owner's Representative team are reviewing the recent design submittals. The 60% submittals for the Water Treatment Plant and Segment A were recently received and are under review by the Authority, including the cost implications and the split between Alliance Water and GBRA.

Staff will be able to provide a more detailed breakdown of the costs, the comparisons to the budget and with the inclusion of the cost saving measures at the July Technical Committee meeting.

Next Step(s)

- Phase 1B Program Schedule and Budget Update June 10, 2020
- Phase 1B Budget Update

Technical Committee Decision Needed:

- Possible direction to Staff.



Phase 1B Program Schedule and Budget Update

Technical Committee Meeting
June 10, 2020

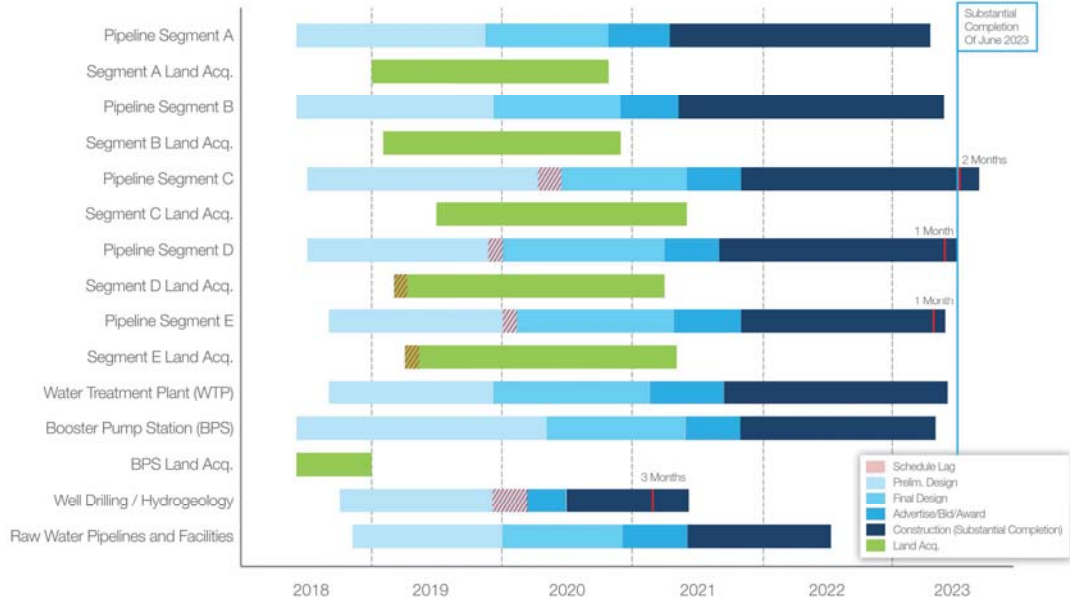
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Schedule Update

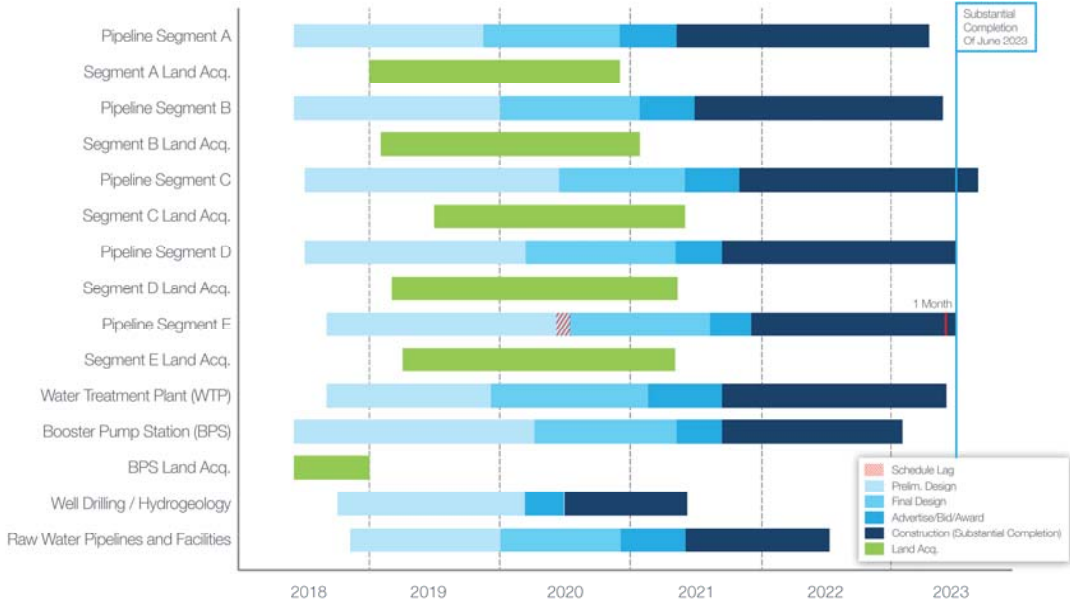


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Schedule Update – March 2020



Schedule Update – June 2020



Schedule Update

Transmission Pipelines – Segments A, B, C, D

- No Change

Transmission Pipelines – Segment E

- Delay – 1 months
 - Rights of Entry / Alignment Confirmation Process
- MITIGATION:
 - Accelerate Design Process where Feasible

Well Drilling, Water Treatment Plant, Booster Pump Station, & Raw Water Infrastructure

- No Change



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Schedule Update

Potential Concerns

- Land Acquisition and COVID-19

Next Steps

- Adjust project schedules for Commissioning
- Evaluate project schedules for Procurement



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Budget Update



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Budget Update

Projected Construction Costs

- Base Budgets
 - Set in 2019
 - Combination of Program and Consultant Projections
- Design Progression
 - Generally Ranging from 30% to 60%
 - Updated Cost Projections
 - Program Cost Reduction Measures (all Projects)
 - Value Engineering (Facilities)
- Doesn't Include ARWA/GBRA Split



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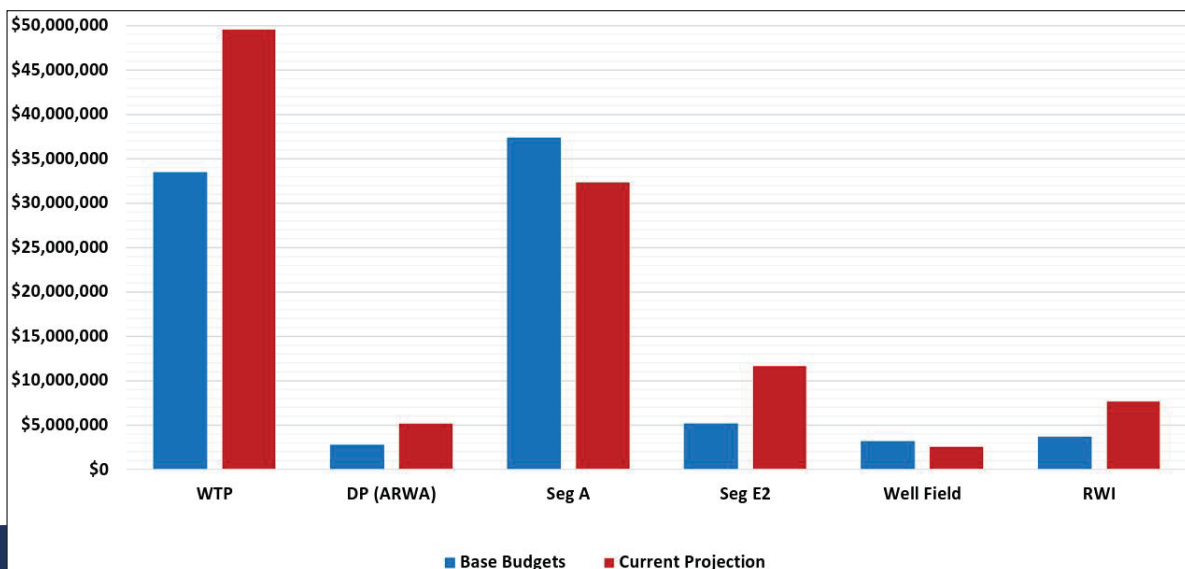
Budget – Opinion of Probable Construction Cost (OPCC)

PROJECT	BASE BUDGET	CURRENT PROJECTION	% INC / DEC BASE	NOTES
WATER TREATMENT PLANT CUMULATIVE TOTAL	\$33,500,000	\$49,600,000	48%	60% Submittal, and reflects value engineering efforts.
DP (ARWA ONLY) CUMULATIVE TOTAL	\$2,800,000	\$5,200,000	86%	Final EFR
PIPELINE SEGMENT A CUMULATIVE TOTALS	\$37,400,000	\$32,400,000	-13%	60% Submittal
PIPELINE SEGMENT E2 CUMULATIVE TOTALS	\$5,200,000	\$11,700,000	125%	Draft EFR
WELLFIELD CUMULATIVE TOTAL	\$3,200,000	\$2,600,000	-19%	Selected proposal amount replaces budgeted amount.
RAW WATER INFRASTRUCTURE CUMULATIVE TOTAL	\$3,700,000	\$7,700,000	108%	Final EFR



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OPCC – Base Budget vs Current Projection



Budget Update

July Update

- Overall Program Budget Update
- Program Cost Reduction Measures Update
- ARWA/GBRA Split Update



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ARWA PHASE 1B COST TRACKING -- COMBINED PROGRAM
Through April 2020

PHASE 1B COMBINED PROGRAM SUMMARY	PLANNING BUDGET		2019		2020		TOTAL
			December	April	July		
WATER TREATMENT PLANT CUMULATIVE TOTAL	\$46,700,000	BUDGET	\$4,194,000	\$5,102,454	\$5,853,059		\$46,726,000
		ACTUAL	\$3,189,000	\$4,096,723	\$4,096,723		
RPS & GBRA FILTERING STATIONS CUMULATIVE TOTAL	\$24,100,000	BUDGET	\$2,157,000	\$2,697,889	\$3,007,599		\$24,067,000
		ACTUAL	\$1,498,000	\$1,752,373	\$1,752,373		
IN-LINE EST (COMBINED PROGRAM) CUMULATIVE TOTAL	\$5,200,000	BUDGET	\$179,000	\$297,469	\$669,942		\$5,239,000
		ACTUAL	\$106,000	\$129,950	\$129,950		
PIPELINE SEGMENT A CUMULATIVE TOTALS	\$49,700,000	BUDGET	\$4,575,000	\$6,723,606	\$7,894,911		\$49,685,000
		ACTUAL	\$1,814,000	\$2,778,347	\$2,778,547		
PIPELINE SEGMENT B CUMULATIVE TOTALS	\$47,400,000	BUDGET	\$3,637,000	\$6,216,496	\$7,638,417		\$47,416,000
		ACTUAL	\$1,634,000	\$2,328,825	\$2,328,825		
PIPELINE SEGMENT D CUMULATIVE TOTALS	\$53,300,000	BUDGET	\$3,865,000	\$5,636,951	\$7,117,178		\$53,283,000
		ACTUAL	\$2,004,000	\$2,648,869	\$2,648,869		
PIPELINE SEGMENT E1 CUMULATIVE TOTALS	\$15,500,000	BUDGET	\$820,000	\$1,072,987	\$1,418,434		\$15,505,000
		ACTUAL	\$515,000	\$700,567	\$700,567		
PROGRAM CUMULATIVE TOTALS WITHOUT CONTINGENCY	\$241,900,000	BUDGET	\$19,227,000	\$27,747,852	\$33,499,536		\$241,920,000
		ACTUAL	\$10,760,000	\$14,435,854	\$14,435,854		
ACCUMULATED PROGRAM CONTINGENCY	\$64,200,000	BUDGET	\$2,856,000	\$4,309,317	\$5,229,745		\$64,268,000
ARWA AND GBRA CASH FLOW FORECASTS							
ARWA CUMULATIVE CASH FLOW	\$145,900,000	BUDGET	\$9,535,000	\$13,831,009	\$16,680,587		\$145,988,000
		ACTUAL	\$5,379,041	\$7,217,927	\$7,217,927		
GBRA CUMULATIVE CASH FLOW	\$96,500,000	BUDGET	\$9,535,000	\$13,881,000	\$16,681,000		\$96,532,000
		ACTUAL	\$5,282,060	\$7,198,902	\$7,230,152		
ARWA AND GBRA CONTINGENCY ACCUMULATION FORECASTS							
ARWA CUMULATIVE CONTINGENCY ACCUMULATION	\$39,500,000	BUDGET	\$1,428,000	\$2,154,430	\$2,614,644		\$39,462,000
		ACTUAL	\$1,428,000	\$2,154,430	\$2,614,644		
GBRA CUMULATIVE CONTINGENCY ACCUMULATION	\$24,800,000	BUDGET	\$1,428,000	\$2,154,430	\$2,614,644		\$24,806,000
		ACTUAL	\$1,428,000	\$2,154,430	\$2,614,644		



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ARWA PHASE 1B COST TRACKING -- ARWA PHASE 1B PROGRAM SUMMARY
Through April 2020

PHASE 1B ARWA PROGRAM SUMMARY	PLANNING BUDGET		2019			2020			TOTAL
			December	April	July				
ARWA-ONLY PROJECTS									
WELLFIELD CUMULATIVE TOTAL	\$1,700,000	PLANNED	\$700,000	\$1,887,854	\$2,745,452				\$1,700,000
		ACTUAL	\$160,001	\$185,806	\$185,806				\$185,806
RAW WATER INFRASTRUCTURE CUMULATIVE TOTAL	\$7,300,000	PLANNED	\$1,400,000	\$1,697,766	\$1,997,960				\$7,282,000
		ACTUAL	\$864,491	\$1,094,470	\$1,694,470				\$1,694,470
ARWA ONLY WATER TREATMENT PLANT CUMULATIVE TOTAL	\$2,600,000	PLANNED	\$2,564,000	\$2,564,100	\$2,564,100				\$2,564,100
		ACTUAL	\$2,564,100	\$2,564,100	\$2,564,100				\$2,564,100
BPS Seg C & ARWA DELIVERY POINTS CUMULATIVE TOTAL	\$7,600,000	PLANNED	\$1,193,000	\$1,312,000	\$1,419,000				\$7,638,000
		ACTUAL	\$668,149	\$737,894	\$737,894				\$737,894
IN-LINE EST SEG C CUMULATIVE TOTAL	\$5,100,000	PLANNED	\$188,000	\$307,884	\$441,904				\$4,844,000
		ACTUAL	\$78,901	\$97,396	\$97,396				\$97,396
ADMIN & OPS CENTER CUMULATIVE TOTAL	\$4,300,000	PLANNED	\$216,000	\$266,238	\$400,814				\$4,296,000
		ACTUAL	\$95,344	\$13,893	\$13,893				\$13,893
PIPELINE SEGMENT C CUMULATIVE TOTALS	\$65,800,000	PLANNED	\$2,835,000	\$5,264,488	\$6,807,597				\$65,805,000
		ACTUAL	\$2,048,238	\$2,425,238	\$2,425,238				\$2,425,238
PIPELINE SEGMENT E2 CUMULATIVE TOTALS	\$8,500,000	PLANNED	\$817,000	\$1,121,341	\$1,350,807				\$8,549,000
		ACTUAL	\$656,827	\$809,888	\$809,888				\$809,888
ARWA CUMULATIVE CASH FLOW -- ARWA-ONLY PROGRAM	\$104,900,000	PLANNED	\$9,900,000	\$14,900,000	\$17,700,000				\$104,900,000
		ACTUAL	\$7,100,000	\$8,000,000	\$8,000,000				\$8,000,000
COMBINED PROGRAM PROJECTS									
WATER TREATMENT PLANT CUMULATIVE TOTAL	\$24,500,000	BUDGET	\$2,097,000	\$2,551,227	\$2,505,518				\$24,535,000
		ACTUAL	\$1,594,545	\$2,048,381	\$2,048,381				\$2,048,381
BPS & GRM METERING STATIONS CUMULATIVE TOTAL	\$13,300,000	BUDGET	\$1,078,000	\$1,348,844	\$1,501,799				\$13,341,000
		ACTUAL	\$748,738	\$876,187	\$876,187				\$876,187
IN-LINE EST (COMBINED PROGRAM) CUMULATIVE TOTAL	\$3,600,000	BUDGET	\$89,000	\$148,734	\$284,971				\$3,619,000
		ACTUAL	\$52,771	\$65,975	\$65,975				\$65,975
PIPELINE SEGMENT A CUMULATIVE TOTALS	\$28,600,000	BUDGET	\$2,288,000	\$1,861,803	\$1,947,456				\$28,582,000
		ACTUAL	\$966,982	\$1,189,979	\$1,189,979				\$1,189,979
PIPELINE SEGMENT B CUMULATIVE TOTALS	\$29,500,000	BUDGET	\$1,818,000	\$3,108,248	\$3,839,208				\$29,506,000
		ACTUAL	\$816,848	\$1,165,412	\$1,165,412				\$1,165,412
PIPELINE SEGMENT D CUMULATIVE TOTALS	\$16,300,000	BUDGET	\$1,932,000	\$2,818,475	\$3,558,589				\$16,308,000
		ACTUAL	\$1,001,812	\$1,324,435	\$1,324,435				\$1,324,435
PIPELINE SEGMENT E1 CUMULATIVE TOTALS	\$9,000,000	BUDGET	\$118,000	\$19,194	\$795,217				\$9,497,000
		ACTUAL	\$297,276	\$705,284	\$705,284				\$705,284
ARWA CUMULATIVE CASH FLOW -- COMBINED PROGRAM	\$145,300,000	PLANNED	\$9,613,000	\$13,873,926	\$16,748,768				\$145,388,000
		ACTUAL	\$5,979,041	\$7,217,927	\$7,217,927				\$7,217,927
ARWA PHASE 1B CUMULATIVE CASH FLOW W/O CONTINGENCY	\$250,200,000	PLANNED	\$18,513,000	\$28,179,526	\$34,448,768				\$250,188,000
		ACTUAL	\$12,479,061	\$15,217,927	\$15,217,927				\$15,217,927
ARWA CUMULATIVE CONTINGENCY ACCUMULATION	\$105,700,000	PLANNED	\$4,132,000	\$4,822,045	\$8,504,492				\$105,811,000



Horn

Questions?



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ARWA PHASE 1B COST TRACKING -- ARWA PHASE 1B PROGRAM SUMMARY
Through April 2020

PHASE 1B ARWA PROGRAM SUMMARY	PLANNING BUDGET		2019		2020		TOTAL
			December	April	July		
ARWA-ONLY PROJECTS							
WELLFIELD CUMULATIVE TOTAL	\$3,700,000	PLANNED ACTUAL	\$700,000 \$160,001	\$1,887,954 \$185,806	\$2,745,652 \$185,806	\$3,700,000	
RAW WATER INFRASTRUCTURE CUMULATIVE TOTAL	\$7,300,000	PLANNED ACTUAL	\$1,400,000 \$864,431	\$1,697,766 \$1,094,470	\$1,937,960 \$1,094,470	\$7,282,000	
ARWA-ONLY WATER TREATMENT PLANT CUMULATIVE TOTAL	\$2,600,000	PLANNED ACTUAL	\$2,564,000 \$2,564,100	\$2,564,100 \$2,564,100	\$2,564,100 \$2,564,100	\$2,564,000	
BPS Seg C & ARWA DELIVERY POINTS CUMULATIVE TOTAL	\$7,600,000	PLANNED ACTUAL	\$1,193,000 \$668,169	\$1,312,000 \$727,034	\$1,419,000 \$727,034	\$7,638,000	
INLINE EST SEG C CUMULATIVE TOTAL	\$5,100,000	PLANNED ACTUAL	\$138,000 \$78,901	\$207,884 \$97,196	\$441,350 \$97,196	\$4,964,000	
ADMIN & OPS CENTER CUMULATIVE TOTAL	\$4,300,000	PLANNED ACTUAL	\$216,000 \$39,266	\$266,258 \$47,992	\$400,614 \$47,992	\$4,296,000	
PIPELINE SEGMENT C CUMULATIVE TOTALS	\$65,800,000	PLANNED ACTUAL	\$2,835,000 \$2,048,226	\$5,264,488 \$2,425,228	\$6,807,597 \$2,425,228	\$65,805,000	
PIPELINE SEGMENT E2 CUMULATIVE TOTALS	\$8,500,000	PLANNED ACTUAL	\$817,000 \$656,027	\$1,121,141 \$809,888	\$1,350,607 \$809,888	\$8,549,000	
ARWA CUMULATIVE CASH FLOW -- ARWA-ONLY PROGRAM	\$104,900,000	PLANNED ACTUAL	\$9,900,000 \$7,100,000	\$14,300,000 \$8,000,000	\$17,700,000 \$8,000,000	\$104,800,000	
COMBINED PROGRAM PROJECTS							
WATER TREATMENT PLANT CUMULATIVE TOTAL	\$24,500,000	BUDGET ACTUAL	\$2,097,000 \$1,594,565	\$2,551,227 \$2,048,361	\$2,926,528 \$2,048,361	\$24,535,000	
BPS & GBRA METERING STATIONS CUMULATIVE TOTAL	\$13,300,000	BUDGET ACTUAL	\$1,079,000 \$748,758	\$1,348,944 \$876,187	\$1,503,799 \$876,187	\$13,341,000	
IN-LINE EST (COMBINED PROGRAM) CUMULATIVE TOTAL	\$3,600,000	BUDGET ACTUAL	\$89,000 \$52,771	\$148,734 \$64,975	\$284,971 \$64,975	\$3,619,000	
PIPELINE SEGMENT A CUMULATIVE TOTALS	\$28,600,000	BUDGET ACTUAL	\$2,288,000 \$906,992	\$3,361,803 \$1,389,273	\$3,947,456 \$1,389,273	\$28,582,000	
PIPELINE SEGMENT B CUMULATIVE TOTALS	\$29,500,000	BUDGET ACTUAL	\$1,818,000 \$816,868	\$3,108,248 \$1,164,412	\$3,819,208 \$1,164,412	\$29,506,000	
PIPELINE SEGMENT D CUMULATIVE TOTALS	\$36,300,000	BUDGET ACTUAL	\$1,932,000 \$1,001,812	\$2,818,475 \$1,324,435	\$3,558,589 \$1,324,435	\$36,308,000	
PIPELINE SEGMENT E1 CUMULATIVE TOTALS	\$9,500,000	BUDGET ACTUAL	\$310,000 \$257,276	\$536,494 \$350,284	\$709,217 \$350,284	\$9,497,000	
ARWA CUMULATIVE CASH FLOW -- COMBINED PROGRAM	\$145,300,000	PLANNED ACTUAL	\$9,613,000 \$5,379,041	\$13,873,926 \$7,217,927	\$16,749,768 \$7,217,927	\$145,388,000	
ARWA PHASE1B CUMULATIVE CASH FLOW W/O CONTINGENCY	\$250,200,000	PLANNED ACTUAL	\$19,513,000 \$12,479,041	\$28,173,926 \$15,217,927	\$34,449,768 \$15,217,927	\$250,188,000	
ARWA CUMULATIVE CONTINGENCY ACCUMULATION	\$105,700,000	PLANNED	\$4,132,000	\$6,822,045	\$8,504,492	\$105,611,000	

ARWA PHASE 1B COST TRACKING -- COMBINED PROGRAM
Through April 2020

PHASE 1B COMBINED PROGRAM SUMMARY	PLANNING BUDGET		2019	2020		TOTAL
			December	April	July	
WATER TREATMENT PLANT CUMULATIVE TOTAL	\$46,700,000	BUDGET	\$4,194,000	\$5,102,454	\$5,853,055	\$46,726,000
		ACTUAL	\$3,189,000	\$4,096,723	\$4,096,723	
BPS & GBRA METERING STATIONS CUMULATIVE TOTAL	\$24,100,000	BUDGET	\$2,157,000	\$2,697,889	\$3,007,599	\$24,067,000
		ACTUAL	\$1,498,000	\$1,752,373	\$1,752,373	
IN-LINE EST (COMBINED PROGRAM) CUMULATIVE TOTAL	\$5,200,000	BUDGET	\$179,000	\$297,469	\$569,942	\$5,239,000
		ACTUAL	\$106,000	\$129,950	\$129,950	
PIPELINE SEGMENT A CUMULATIVE TOTALS	\$49,700,000	BUDGET	\$4,575,000	\$6,723,606	\$7,894,911	\$49,685,000
		ACTUAL	\$1,814,000	\$2,778,547	\$2,778,547	
PIPELINE SEGMENT B CUMULATIVE TOTALS	\$47,400,000	BUDGET	\$3,637,000	\$6,216,496	\$7,638,417	\$47,416,000
		ACTUAL	\$1,634,000	\$2,328,825	\$2,328,825	
PIPELINE SEGMENT D CUMULATIVE TOTALS	\$53,300,000	BUDGET	\$3,865,000	\$5,636,951	\$7,117,178	\$53,283,000
		ACTUAL	\$2,004,000	\$2,648,869	\$2,648,869	
PIPELINE SEGMENT E1 CUMULATIVE TOTALS	\$15,500,000	BUDGET	\$620,000	\$1,072,987	\$1,418,434	\$15,505,000
		ACTUAL	\$515,000	\$700,567	\$700,567	
PROGRAM CUMULATIVE TOTALS WITHOUT CONTINGENCY	\$241,900,000	BUDGET	\$19,227,000	\$27,747,852	\$33,499,536	\$241,920,000
		ACTUAL	\$10,760,000	\$14,435,854	\$14,435,854	
ACCUMULATED PROGRAM CONTINGENCY	\$64,200,000	BUDGET	\$2,856,000	\$4,309,317	\$5,229,745	\$64,268,000
ARWA AND GBRA CASH FLOW FORECASTS						
ARWA CUMULATIVE CASH FLOW	\$145,300,000	BUDGET	\$9,535,000	\$13,831,089	\$16,680,587	\$145,388,000
		ACTUAL	\$5,379,041	\$7,217,927	\$7,217,927	
GBRA CUMULATIVE CASH FLOW	\$96,500,000	BUDGET	\$9,535,000	\$13,831,000	\$16,681,000	\$96,532,000
		ACTUAL	\$5,282,060	\$7,198,902	\$7,230,152	
ARWA AND GBRA CONTINGENCY ACCUMULATION FORECASTS						
ARWA CUMULATIVE CONTINGENCY ACCUMULATION	\$39,500,000	BUDGET	\$1,428,000	\$2,154,430	\$2,614,644	\$39,462,000
GBRA CUMULATIVE CONTINGENCY ACCUMULATION	\$24,800,000	BUDGET	\$1,428,000	\$2,154,430	\$2,614,644	\$24,806,000

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, June 10th, 2020 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 152 637 130#

F.5 Update, discussion and possible direction to Staff regarding the Authority’s request to the Texas Water Development Board for additional SWIFT Funding. ~ *Graham Moore, P.E., Executive Director*

Background/Information

On June 4th the TWDB Board approved the subsidies for the 2020 SWIFT issuances – they match the previous subsidies offered. The Board also adopted a resolution reducing the subsidies for future year. The table below shows the subsidies.

Maturity	2020 Issuance	2021 Issuance
20-Year	35%	25%
30-Year	20%	14%

SWIFT Rates

After the approval of the subsidies the TWDB released projected rates for the 2020 closings. The Authority’s financial advisor is developing updated debt service schedules based on these new rates. The information will be shared with the Sponsors as soon as it is available.

UPDATE:

The TWDB has updated their projected rates for any 2020 issuances. The initial numbers project the rates to be the lowest yet for Alliance Water. Staff has coordinated with our Financial Advisors, and due to the extreme volatility recently in the market, we are recommending that the current rates plus 50-basis points (0.50%) be added to the current interest rates as a cushion against rising rates. Updated debt service schedules are anticipated next week. Below is a table comparing the rates to past years:

SWIFT - Net Interest Cost					
<i>Maturity Schedule</i>	<i>2015</i>	<i>2017</i>	<i>2019</i>	<i>2020 - Original Projection</i>	<i>2020 - Current Projection*</i>
30-year	2.88%	2.76%	2.37%	2.90%	2.65%
20-year	1.97%	1.85%	1.54%	2.06%	1.78%

* Includes 50-basis point cushion

Technical Committee Decision Needed:

- Possible direction to Staff.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, June 10th, 2020 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 152 637 130#

F.6 Discussion of the proposed Authority budget for FY 2020-21; and possible direction to staff. ~ *Graham Moore, P.E., Executive Director*

Background/Information

Attached is updated draft budget information for FY 2020-21.

The Authority's Financial Policies call for the following schedule as it relates to the budget process:

<u>Deadline</u>	<u>Action</u>
May 31st	Summary Prelim Budget presented to Technical Committee and Board
June 30th	Proposed Budget presented to Technical Committee
July 31st	Draft budget recommended by the Technical Committee to the Board
August 31st	Approval of budget for ensuing year

Note: The Administrative Committee is recommending that the final adoption of a budget be moved up to the end of July.

Administrative Committee

The Administrative Committee met on May 29th and recommended approval of the Employee Expenses portion of the budget, which contains the following:

- No raises for the same positions in 2020-21.
- Merit bonuses for employees (excludes Executive Director).
- All other expenditures are previously shown.

The remaining portions of the budget are still under development pending updates on the debt service schedules. The portions of the budget still under development do not directly impact the amounts to be paid in the next fiscal year by the Sponsors.

Staff is seeking input from the Technical Committee on the draft budget.

Attachment(s)

- Draft Budget FY 2020-21 dated June 5, 2020

Technical Committee Decision Needed:

- Possible direction to Staff.

Alliance Regional Water Authority
APPENDIX A: FY 2020-21 GENERAL OPERATIONS BUDGET

ATTACHMENT A - DRAFT 2020-06-05

Expense	Actual FY 2018/19	Approved (as Amended) FY 2019/20	Estimated FY 2019/20	Proposed FY 2020/21
Operations Expenditures				
Royalties & Permit Fees				
Groundwater Royalties	1,192,172.00	1,355,600.00	1,320,000.00	1,355,600.00
Permit Fees	71,311.00	75,570.00	75,538.00	90,300.00
Total Royalties & Permit Fees	1,263,483.00	1,431,170.00	1,395,538.00	1,445,900.00
Contract Services				
Agency Mgmt Public Relations	39,530.80	50,000.00	24,000.00	50,000.00
Contract Services-Lobbyist	72,000.00	72,000.00	72,000.00	78,000.00
Auditing fees	10,505.00	11,300.00	10,715.00	13,000.00
Legal Fees	108,030.00	105,000.00	95,000.00	105,000.00
Total Contract Services	230,065.80	238,300.00	201,715.00	246,000.00
Regional Water Planning Contribution	1,048.67	2,500.00	1,500.00	2,500.00
Admin Operations				
Dues	6,480.00	7,000.00	6,500.00	7,250.00
Bank Fees	1,702.53	1,000.00	2,500.00	1,000.00
Insurance - Liability, E&O	3,172.56	5,000.00	2,375.00	5,000.00
Non-Project Newspaper Public Notices	2,023.00	500.00	0.00	500.00
Printing and Copying	394.09	2,500.00	1,000.00	2,500.00
Telephone, Telecommunications	2,700.00	3,800.00	2,000.00	3,800.00
Supplies	6,756.61	6,000.00	8,600.00	10,000.00
Admin Operations - Other	0.00	8,200.00	6,000.00	7,500.00
Total Admin Operations	23,228.79	34,000.00	28,975.00	37,550.00
Travel, Conferences & Meetings	4,459.97	4,000.00	3,500.00	4,000.00
Employee Expenses				
Salaries and wages	245,291.02	324,781.33	280,000.00	335,878.00
Merit Bonus	0.00	0.00	0.00	3,040.00
Auto Allowance	10,200.06	16,600.00	14,000.00	17,150.00
Phone Allowance	0.00	0.00	0.00	3,600.00
Payroll taxes	17,541.40	26,115.67	22,000.00	25,283.97
Employee Insurance	21,191.23	33,012.00	25,000.00	26,414.14
Retirement	16,336.35	22,182.57	20,000.00	25,176.76
Licenses & Permits	40.00	1,000.00	1,000.00	1,700.00
Mileage Reimbursement	0.00	1,200.00	400.00	800.00
Employee Expenses - Other	0.00	1,160.00	1,160.00	4,000.00
Total Employee Expenses	310,600.06	426,052.00	363,560.00	443,042.86
Total Operations Expenditures	1,832,890.00	2,136,020.00	1,994,790.00	2,178,990.00
Facility O&M Expenditures				
General - O&M Expenditures	0.00	0.00	0.00	500.00
Well Field - O&M Expenditures	0.00	0.00	0.00	0.00
WTP - O&M Expenditures	0.00	0.00	0.00	0.00
Maxwell BPS - O&M Expenditures	0.00	0.00	0.00	0.00
Buda BPS - O&M Expenditures	0.00	0.00	0.00	19,510.00
Kyle EST - O&M Expenditures	0.00	0.00	0.00	0.00
SH-123 EST - O&M Expenditures	0.00	0.00	0.00	0.00
Total O&M Expenditures	0.00	0.00	0.00	20,010.00

Alliance Regional Water Authority
APPENDIX A: FY 2020-21 GENERAL OPERATIONS BUDGET

ATTACHMENT A - DRAFT 2020-06-05

	Actual FY 2018/19	Approved (as Amended) FY 2019/20	Estimated FY 2019/20	Proposed FY 2020/21
Capital Expenditures				
Projects-in-Progress (Cash)				
Legal Support	9,240.17	25,000.00	20,000.00	25,000.00
Hydrogeologic Support	52,290.10	25,000.00	25,000.00	25,000.00
Total Projects-in-Progress (Cash)	61,530.27	50,000.00	45,000.00	50,000.00
Projects-in-Progress Eng. (Cash)				
Engineering - General	0.00	75,000.00	0.00	75,000.00
GIS Development	5,268.75	25,000.00	20,000.00	20,000.00
Total Projects-in-Progress Eng. (Cash)	5,268.75	100,000.00	20,000.00	95,000.00
Projects-in-Progress Construction				
Construction -GCUWCD Monitor Wells	101,372.38	0.00	0.00	0.00
Total Projects-in-Progress Construction	101,370.00	0.00	0.00	0.00
Debt Service Payment				
Series 2015a (CRWA)	248,918.50	247,586.50	247,586.50	250,977.00
Series 2015b (Kyle)	177,806.50	177,032.50	177,032.50	181,087.50
Series 2017a (CRWA)	497,816.00	500,814.00	500,814.00	498,561.50
Series 2017b (Kyle)	456,883.50	455,035.50	455,035.50	452,995.50
Series 2017c (San Marcos)	720,739.00	722,337.00	722,377.00	723,522.00
Series 2017d (Buda)	100,675.50	100,203.00	100,203.00	104,678.00
Series 2019a (CRWA)	0.00	700,000.00	403,005.01	1,287,478.50
Series 2019b (Kyle)	0.00	605,000.00	367,710.69	1,174,531.50
Series 2019c (San Marcos)	0.00	580,000.00	303,502.29	1,897,305.00
Series 2019d (Buda)	0.00	85,000.00	43,048.51	268,481.00
Series 2020a (CRWA)	0.00	0.00	0.00	750,000.00
Series 2020b (Kyle)	0.00	0.00	0.00	675,000.00
Series 2020c (San Marcos)	0.00	0.00	0.00	610,000.00
Series 2020d (Buda)	0.00	0.00	0.00	90,000.00
Total Debt Service Payment	2,202,840.00	4,173,010.00	3,320,320.00	8,964,620.00
Total Capital Expenditures	2,371,010.00	4,323,010.00	3,385,320.00	9,109,620.00
Total Expense	4,203,900.00	6,459,030.00	5,380,110.00	11,308,620.00
Ordinary Income/Expense				
Beginning Unreserved Fund Balance	1,447,920.00	1,901,881.58	1,901,881.58	3,112,110.00
Revenue				
Project Contribution				
City of San Marcos	1,563,449.00	2,127,117.00	2,127,117.00	4,100,430.00
City of Kyle	1,296,685.00	1,884,978.00	1,884,978.00	3,166,740.00
City of Buda	220,056.00	302,043.00	302,043.00	586,350.00
Canyon Regional Water Authority	1,472,650.00	2,158,870.50	2,158,870.50	3,536,100.00
Project Contribution - Other	0.00	31,600.00	63,200.00	31,600.00
Total Project Contribution	4,552,840.00	6,504,608.50	6,536,208.50	11,421,220.00
TexStar Interest Revenue				
City of San Marcos	43,590.30	15,000.00	16,400.00	4,300.00
City of Kyle	34,242.58	11,250.00	12,880.00	3,400.00
City of Buda	6,175.09	1,875.00	2,325.00	600.00
Canyon Regional Water Authority	37,548.94	12,750.00	14,125.00	3,700.00
TexStar Interest Revenue - Other	0.00	0.00	0.00	0.00
Total TexStar Interest Revenue	121,556.91	40,875.00	45,730.00	12,000.00
Broadway Interest Revenue				
City of San Marcos	5,107.34	1,500.00	3,000.00	550.00
City of Kyle	3,896.09	1,125.00	2,250.00	425.00
City of Buda	695.41	190.00	400.00	75.00
Canyon Regional Water Authority	4,372.20	1,275.00	2,750.00	450.00
Broadway Interest Revenue - Other	0.00	0.00	0.00	0.00
Total Broadway Interest Income	14,071.04	4,090.00	8,400.00	1,500.00
Total Operating Revenue	4,688,470.00	6,549,570.00	6,590,340.00	11,434,720.00
Total Funds Available	6,136,390.00	8,451,451.58	8,492,221.58	14,546,830.00
Net Income	484,570.00	90,540.00	1,210,230.00	126,100.00
Ending Unreserved Balance	1,901,881.58	1,992,420.00	3,112,110.00	3,238,210.00
Fund Balance as Percentage of Operating	103.76%	93.28%	156.01%	147.26%

Alliance Regional Water Authority

APPENDIX C: DRAFT PROJECTED 5-YR BUDGET

	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25
Beginning Fund Balance	\$1,901,882	\$2,405,740	\$2,665,580	\$2,941,070	\$2,608,280	\$1,932,320
GENERAL OPERATIONS						
Expenditures						
Operations						
Royalties & Permits	\$1,395,538	\$1,445,900	\$1,554,930	\$2,071,300	\$2,116,857	\$2,163,644
Contract Services	\$201,715	\$246,000	\$262,000	\$277,000	\$277,000	\$277,000
Operations	\$30,475	\$40,050	\$47,800	\$50,190	\$52,700	\$55,334
Employee Expenses	\$363,560	\$443,043	\$449,867	\$720,644	\$1,342,903	\$1,377,865
Travel, Conferences & Meetings	\$3,500	\$4,000	\$5,000	\$7,500	\$15,000	\$20,000
Total Operations	\$1,994,788	\$2,178,993	\$2,319,597	\$3,126,634	\$3,804,460	\$3,893,844
Plant O&M Expenditures	\$0	\$20,010	\$23,750	\$250,000	\$1,250,000	\$1,350,000
Capital Projects (Cash)						
Permitting/Groundwater Support	\$45,000	\$50,000	\$60,000	\$35,000	\$35,000	\$35,000
Engineering & Studies (Cash)	\$20,000	\$95,000	\$100,000	\$100,000	\$100,000	\$100,000
Construction (Cash)	\$0	\$0	\$0	\$0	\$0	\$0
Total Capital Projects (Cash)	\$65,000	\$145,000	\$160,000	\$135,000	\$135,000	\$135,000
Shared Water						
Payments to Kyle	\$290,684	\$298,814	\$315,094	\$332,014	\$0	\$0
Payments to San Marcos	\$165,336	\$165,336	\$165,336	\$165,336	\$0	\$0
ARWA O&M	\$0	\$6,890	\$9,360	\$14,330	\$0	\$0
Total Shared Water	\$456,020	\$471,040	\$489,790	\$511,680	\$0	\$0
Total Expenditures	\$2,515,810	\$2,815,040	\$2,993,140	\$4,023,310	\$5,189,460	\$5,378,840
Revenues						
City of San Marcos	\$824,780	\$869,605	\$932,360	\$1,075,800	\$1,613,700	\$1,900,580
City of Kyle	\$647,910	\$683,123	\$732,420	\$845,100	\$1,267,650	\$1,493,010
City of Buda	\$116,840	\$123,190	\$132,080	\$152,400	\$228,600	\$269,240
Canyon Regional Water Authority	\$710,470	\$749,083	\$803,140	\$926,700	\$1,390,050	\$1,637,170
Total Revenues	\$2,300,000	\$2,425,000	\$2,600,000	\$3,000,000	\$4,500,000	\$5,300,000
PROJECTS						
Expenditures						
Series 2015a (CRWA)	\$247,587	\$250,977	\$249,058	\$251,854	\$249,319	\$251,609
Series 2015b (Kyle)	\$177,033	\$181,088	\$179,929	\$178,608	\$182,117	\$180,437
Series 2017a (CRWA)	\$500,814	\$498,562	\$501,018	\$498,048	\$499,727	\$496,042
Series 2017b (Kyle)	\$455,036	\$452,996	\$455,692	\$452,997	\$454,983	\$451,633
Series 2017c (San Marcos)	\$722,377	\$723,522	\$719,232	\$719,282	\$718,677	\$722,517
Series 2017d (Buda)	\$100,203	\$104,678	\$104,054	\$103,334	\$102,526	\$101,646
Series 2019a (CRWA)	\$403,005	\$1,287,479	\$1,289,931	\$1,287,131	\$1,284,128	\$1,285,844
Series 2019b (Kyle)	\$367,711	\$1,174,532	\$1,172,647	\$1,175,575	\$1,173,261	\$1,170,685
Series 2019c (San Marcos)	\$303,502	\$1,897,305	\$1,899,831	\$1,897,081	\$1,893,944	\$1,890,416
Series 2019d (Buda)	\$43,049	\$268,481	\$271,717	\$269,890	\$268,019	\$266,106
Series 2020a (CRWA)	\$0	\$750,000	\$1,945,000	\$1,945,000	\$1,945,000	\$1,945,000
Series 2020b (Kyle)	\$0	\$675,000	\$1,775,000	\$1,775,000	\$1,775,000	\$1,775,000
Series 2020c (San Marcos)	\$0	\$610,000	\$2,825,000	\$2,825,000	\$2,825,000	\$2,825,000
Series 2020d (Buda)	\$0	\$90,000	\$402,000	\$402,000	\$402,000	\$402,000
Series 2021a (CRWA)	\$0	\$0	\$250,000	\$625,000	\$625,000	\$625,000
Series 2021b (Kyle)	\$0	\$0	\$230,000	\$570,000	\$570,000	\$570,000
Series 2021c (San Marcos)	\$0	\$0	\$215,000	\$900,000	\$900,000	\$900,000
Series 2021d (Buda)	\$0	\$0	\$35,000	\$135,000	\$135,000	\$135,000
Total Expenditures	\$3,320,315	\$8,964,619	\$14,520,107	\$16,010,798	\$16,003,700	\$15,993,932
Revenues						
Sponsor Payments						
City of San Marcos	\$1,025,879	\$3,230,827	\$5,659,063	\$6,341,363	\$6,337,621	\$6,337,933
City of Kyle	\$999,779	\$2,483,615	\$3,813,267	\$4,152,179	\$4,155,361	\$4,147,755
City of Buda	\$143,252	\$463,159	\$812,771	\$910,224	\$907,545	\$904,752
Canyon Regional Water Authority	\$1,151,406	\$2,787,018	\$4,235,006	\$4,607,032	\$4,603,173	\$4,603,494
Total Sponsor Payments	\$3,320,315	\$8,964,619	\$14,520,107	\$16,010,798	\$16,003,700	\$15,993,932
Total Revenues	\$3,320,315	\$8,964,619	\$14,520,107	\$16,010,798	\$16,003,700	\$15,993,932
Net Sponsor Payments						
Sponsor Payments						
City of San Marcos	\$1,850,659	\$4,100,432	\$6,591,423	\$7,417,163	\$7,951,321	\$8,238,513
City of Kyle	\$1,647,689	\$3,166,738	\$4,545,687	\$4,997,279	\$5,423,011	\$5,640,765
City of Buda	\$966,264	\$1,222,725	\$1,599,977	\$1,739,640	\$1,136,145	\$1,173,992
Canyon Regional Water Authority	\$1,861,876	\$5,536,100	\$5,038,146	\$5,533,732	\$5,993,223	\$6,240,664
Total Net Sponsor Payments	\$6,326,488	\$12,025,995	\$17,775,233	\$19,687,814	\$20,503,700	\$21,293,932
Interest Income	\$13,500	\$13,500	\$13,500	\$13,500	\$13,500	\$13,500
NET INCOME	\$503,860	\$259,840	\$275,490	-\$332,790	-\$675,960	-\$65,340
ENDING FUND BALANCE	\$2,405,740	\$2,665,580	\$2,941,070	\$2,608,280	\$1,932,320	\$1,866,980
	120.60%	121.22%	125.51%	77.24%	38.23%	35.60%

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, June 10th, 2020 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 152 637 130#

- F.7** 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 June 9th.

Plum Creek Conservation District (PCCD)

The PCCD is scheduled to meet on June 16th.

Groundwater Management Area 13

The next GMA-13 meeting is scheduled for Friday, June 26th – the agenda has not been released yet.

Region L Planning Group

No update.

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, June 10th, 2020 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 152 637 130#

- 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*

Board Meeting

- The June Board meeting will be held Virtually on Wednesday, June 24th.

Consultant Invoices Paid

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

FY 19-20 CONSULTANT INVOICES PAID in MAY 2020

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/Anomalies
Mark B. Taylor	\$17,500.00	\$0.00	\$12,895.00	74%	\$4,605.00	
LAN - Kyle/Buda Design	\$122,484.31	\$2,730.00	\$38,106.31	31%	\$84,378.00	
Patricia Ehrlinger Carls	\$25,000.00	\$735.00	\$13,267.19	53%	\$11,732.81	
RW Harden	\$40,000.00	\$0.00	\$12,129.25	30%	\$27,870.75	
Tx Solutions Group	\$72,000.00	\$6,000.00	\$48,000.00	67%	\$24,000.00	
BGE - Ph 1A CA	\$53,938.59	\$13,795.72	\$30,043.88	56%	\$23,894.71	
LAN - ROW Acquisition	\$32,110.04	\$0.00	\$0.00	0%	\$32,110.04	
Kent Alan Sick - ROW Legal	\$45,000.00	\$460.00	\$39,504.48	88%	\$5,495.52	
LNV - Ph 1A Observations	\$4,006.84	\$840.00	\$2,630.00	66%	\$1,376.84	
LNV - GIS Svcs	\$30,777.63	\$262.50	\$6,579.50	21%	\$24,198.13	
MLA Labs, Inc. - Pump Station	\$10,814.00	\$1,344.00	\$2,600.00	24%	\$8,214.00	
Armstrong, Vaughan & Associates, P.C.	\$10,715.00	\$0.00	\$10,715.00	100%	\$0.00	
J.R. Tolles & Associates, Inc.	\$189,985.00	\$19,786.00	\$129,190.00	68%	\$60,795.00	
Lloyd Gosselink Rochelle & Townsend	\$92,105.00	\$16,654.73	\$36,534.75	40%	\$55,570.25	
MLA Labs, Inc. - Segment B	\$13,118.00	\$1,344.00	\$5,225.00	40%	\$7,893.00	
Total	\$759,554.41	\$63,951.95	\$387,420.36		\$372,134.05	

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, June 10th, 2020 at 3:00 P.M.

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- Below is the report on the Phase 1B invoices paid in May.

PHASE 1B FY 19-20 CONSULTANT INVOICES PAID in MAY 2020

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/ Anomalies
Kimley-Horn Ph 1B Owner's Rep WO3	\$1,372,351.19	\$0.00	\$1,364,772.77	99%	\$7,578.42	
Kimley-Horn Ph 1B Owner's Rep WO4	\$3,110,422.00	\$0.00	\$145,889.73	5%	\$2,964,532.27	
Blanton -	\$580,237.08	\$160,263.58	\$566,497.21	98%	\$13,739.87	
LAN - Segment A	\$182,524.80	\$0.00	\$64,749.55	35%	\$117,775.25	
LAN - Segment A Final	\$1,991,032.00	\$147,463.46	\$501,941.77	25%	\$1,489,090.23	
KFA - Segment B	\$118,202.94	\$0.00	\$95,412.00	81%	\$22,790.94	
KFA - Segment B Final	\$1,876,182.13	\$191,224.66	\$282,206.80	15%	\$1,593,975.33	
BGE - Segment C Prelim	\$196,631.20	\$42,607.23	\$149,639.68	76%	\$46,991.52	
BGE - Segment C Final	\$2,688,310.00	\$0.00	\$0.00	0%	\$2,688,310.00	
FNI - Segment D Prelim	\$73,867.86	\$0.00	\$10,334.20	14%	\$63,533.66	
FNI - Segment D Final	\$2,005,254.00	\$146,317.70	\$249,277.62	12%	\$1,755,976.38	
Walker - Segment E Prelim	\$283,489.60	\$60,381.75	\$98,584.05	35%	\$184,905.55	
LAN - ROW Acquisition DTR&G	\$2,145,847.22	\$63,162.98	\$274,622.04	13%	\$1,871,225.18	
CBRE - Appraisals	\$894,535.31	\$29,030.84	\$183,709.72	21%	\$710,825.59	
CP&Y - Survey	\$2,291,500.00	\$75,250.00	\$283,250.00	12%	\$2,008,250.00	
CP&Y - Survey	\$2,019,932.20	\$102,710.20	\$628,095.15	31%	\$1,391,837.05	
RW Harden - WDH	\$28,420.00	\$10,740.00	\$19,620.00	69%	\$8,800.00	
LNV - RWI	\$1,063,283.45	\$93,292.54	\$356,895.77	34%	\$706,387.68	
Walker Partners - WTP Prelim Design	\$254,937.12	\$0.00	\$253,663.76	100%	\$1,273.36	
Walker Partners - WTP Final Design	\$2,900,402.00	\$203,645.42	\$306,471.39	11%	\$2,593,930.61	
FNI - BPS Prelim	\$283,282.88	\$0.00	\$257,259.07	91%	\$26,023.81	
FNI - BPS Final	\$1,753,196.00	\$67,505.03	\$67,505.03	4%	\$1,685,690.97	
Plummer - Inline Elevated Tank	\$87,509.05	\$0.00	\$28,479.58	33%	\$59,029.47	
Total	\$28,201,350.03	\$1,393,595.39	\$6,188,876.89		\$22,012,473.14	

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Approved Change Orders

- See below for Change Orders approved in May 2020.

CHANGE ORDERS APPROVED IN MAY 2020				
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
Black Castle - Phase 1A BPS Construction	\$ 4,999,080.00	\$ 111,827.56	\$ -	\$ 5,110,907.56
RW Harden - 1B Well Drilling & Hydrogeology	\$ 114,000.00	\$ 31,380.00	\$ -	\$ 145,380.00
Freese & Nichols: 1B BPS & DP Prelim	\$ 771,617.00	\$ 34,863.00	\$ -	\$ 806,480.00
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	\$ 24,140.00	\$ 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	\$ 77,000.00	\$ 15,000.00	\$ 3,452,780.00
Freese & Nichols: 1B Segment D (Final)	\$ 1,999,464.00	\$ 5,790.00	\$ -	\$ 2,005,254.00
LAN: 1B Segment A Final Design	\$ 1,903,077.00	\$ 87,955.00	\$ -	\$ 1,991,032.00
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	\$ 45,188.13	\$ 18,865.00	\$ 1,876,182.13
LAN: 1A Seg B Const Admin	\$ 108,860.01	\$ 6,204.04	\$ -	\$ 115,064.05
Walker Partners: 1B WTP (Final)	\$ 2,900,402.00	\$ 132,636.00	\$ 116,491.00	\$ 3,033,038.00

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COMMITTEE MEMBER PACKETS

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- 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.
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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, June 10th, 2020 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 152 637 130#

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*
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REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, June 10th, 2020 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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REGULAR MEETING
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COMMITTEE MEMBER PACKETS
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J. ADJOURNMENT
