

**Alliance Regional Water Authority
Technical Committee**

REGULAR MEETING



ALLIANCE WATER

COMMITTEE MEMBER PACKETS

Wednesday, May 12th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572
Code: 334 427 00#

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, May 12th, 2021 at 3:00 P.M.
Conference Call Number: 1-903-405-2572; Code: 334 427 00#

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, May 12, 2021. The public may participate in this meeting by calling the following number and code:

Conference Call Number: 1-903-405-2572
Code: 334 427 00#

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 May 12, 2021. This meeting will be recorded and the audio recording will be available on the Authority's website after the meeting. A copy of the agenda packet will be available on the Authority's website at the time of the meeting. Additional information can be obtained by calling Graham Moore at (512) 294-3214.

A. CALL TO ORDER

B. ROLL CALL

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

D. CONSENT AGENDA

D.1 Consider approval of minutes of the Special Technical Committee Meeting held April 14, 2021. ~ *Graham Moore, P.E., Executive Director*

E. PRESENTATIONS TO THE COMMITTEE

E.1 None.

F. ITEMS FOR COMMITTEE ACTION OR DISCUSSION/DIRECTION

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

F.2 Discussion and possible recommendation to the Board to approve a Work Order with Walker Partners, LLC for Construction Administration Services on

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the Authority's Phase 1B Water Treatment Plant project. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*

- F.3 Discussion and possible recommendation to the Board to approve a Work Order with Ardurra Group, Inc. for Construction Administration Services on the Authority's Phase 1B Raw Water Infrastructure project. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
- F.4 Discussion and possible recommendation to the Board to approve a Work Order with Pape-Dawson Engineers, Inc. for Construction Management and Inspection Services on the Authority's Phase 1B Program. ~ *Graham Moore, P.E., Executive Director*
- F.5 Discussion and possible action to authorize the Executive Director to enter into an agreement with Walker Bulldozing and Fencing, LLC for Phase 1B Water Treatment Plant Internal Fencing in an amount of \$21,000.00. ~ *Graham Moore, P.E., Executive Director*
- F.6 Discussion of the draft Authority budget for FY 2021-22; and possible direction to staff. ~ *Graham Moore, P.E., Executive Director*
- F.7 Discussion of legislative issues for the 87th Texas Legislature, and possible direction to Staff. ~ *Graham Moore, P.E., Executive Director*
- F.8 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

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, May 12th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 334 427 00#

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

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

J. ADJOURNMENT

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

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A. CALL TO ORDER

No Backup Information for this Item.

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B. ROLL CALL

NAME PRESENT

Blake Neffendorf

James Earp

Tom Taggart

Humberto Ramos

Tim Samford

Mike Taylor

NON-VOTING MEMBERS PRESENT

Mayor Lee Urbanovsky

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C. PUBLIC COMMENT PERIOD

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

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

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D. CONSENT AGENDA

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

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D.1 Consider approval of minutes of the Technical Committee Meeting held April 14, 2021. ~ *Graham Moore, P.E., Executive Director*

Attachment(s)

- 2021 04 14 Technical Committee Meeting Minutes

Technical Committee decision needed:

- Approval of minutes.



ALLIANCE WATER

Alliance Regional Water Authority

TECHNICAL COMMITTEE MEETING

MINUTES

Wednesday, April 14, 2021

The following represents the actions taken by the Technical Committee of the Alliance Regional Water Authority (Alliance Water) in the order they occurred during the meeting. The Technical Committee convened in a meeting on Wednesday, April 14, 2021 by telephonic conference call in accordance with Governor Abbott's Executive Order, declaration of the COVID-19 public health threat, and action to temporarily suspend certain provisions of the Texas Open Meetings Act.

A. CALL TO ORDER.

The Alliance Water Technical Committee Meeting was called to order at 3:02 p.m. by Mr. Earp.

B. ROLL CALL.

- **Present: Neffendorf, Earp, Taggart, Ramos, Samford and Taylor.**
- **Absent: Urbanovsky.**

C. PUBLIC COMMENT PERIOD

- **None.**

D. CONSENT AGENDA

D.1 Consider approval of minutes of the Technical Committee Meeting held February 10, 2021.

- **Mr. Taylor noted that the section of the February 10, 2021 minutes dealing with "Future Agenda Items" should be stricken.**
- **Motion to adopt the minutes as amended was made by Mr. Taylor, seconded by Mr. Ramos and approved on a 6-0 vote.**

E. PRESENTATIONS TO THE COMMITTEE

E.1 None.

F. ITEMS FOR COMMITTEE ACTION OR DISCUSSION/DIRECTION

F.1 Update and possible direction to Staff regarding the Authority's Phase 1A projects.

- **Mr. Biemer noted that starting tomorrow will begin coordinating with Buda staff on delivery of water through the 1A system**
- **No Action.**

F.2 Update and possible direction to Staff regarding the Authority's Phase 1B program.

- **Mr. Sowa provided an update on the Phase 1B program.**
- **Mr. Earp noted that a recent City of Kyle project came in 30% over the Engineer's estimate.**
- **Mr. Sowa noted that the design engineers and program as a whole continues to get feedback on volatility of materials costs and that information is shared with everyone.**
- **Mr. Taggart asked how many general contractors attended the pre-bid meeting.**
- **Mr. Sowa said he counted ten likely general contractors.**
- **Mr. Sowa noted that the easement table has been reformatted to better focus on parcels possessed and those where possession is still needed.**
- **Mr. Taggart inquired as to what percentage of parcels are in condemnation as compared to originally estimated.**
- **Mr. Sowa stated that original estimates were 15-20% and as of now the overall program is projecting at more than a third.**
- **Mr. Ramos inquired if we need to plan to put a housing over the wells to protect them from weather events.**
- **Mr. Moore stated that the weatherization plan will be a topic for discussion at the May Technical Committee meeting.**
- **Mr. Sowa also noted that the budget form was altered slightly to match funding commitments.**
- **No Action.**

F.3 Discussion and possible direction to Staff regarding Commissioning of the Phase 1B Program.

- **Mr. Cobler provide a presentation on the Commissioning of the Phase 1B Program.**
- **Mr. Taggart noted that commissioning Segment D in summer will be much more difficult than completing it in winter. He also noted that**

everyone needs to understand the volumes and timing of water needs and what, if any, alternatives are available.

- **Mr. Cobler noted that to fill all of the pipelines will required a total of 30 million gallons. Currently projecting a total of 120 million gallons of water needed for filling, flushing and testing.**
- **No Action.**

F.4 Discussion of legislative issues for the 87th Texas Legislature, and possible direction to Staff.

- **Mr. Moore provided an update on the current session and legislation.**
- **No Action.**

F.5 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities.

- **Mr. Moore provided an update.**
- **No Action.**

G. EXECUTIVE DIRECTOR REPORT

- **No Action.**

H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS

- **Mr. Taggart requested future discussion in concert with the WTP Commissioning discussion about when to bring on staff, etc.**

I. EXECUTIVE SESSION

I.1 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 4:14 p.m. by Mr. Earp.

APPROVED: _____, 2021

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- F.1** 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 – May 12, 2021
- Kimley-Horn Monthly Summary of Activities for April 2021

Technical Committee Decisions Needed:

- None.



Phase 1B Program Update

Technical Committee Meeting
May 12, 2021

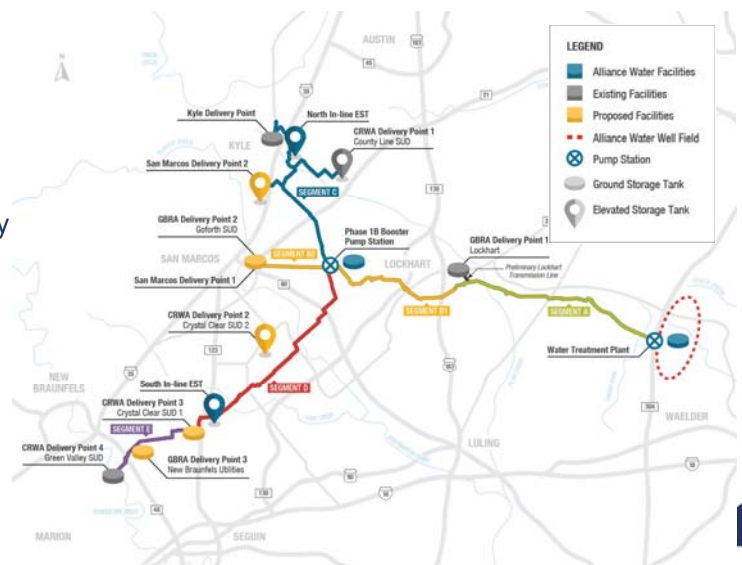


PRESENTED BY **Kimley»Horn**
Expect More. Experience Better.

Ongoing Progress

► Design Milestone Review

- Design Submittals
 - Pipeline Segment E (90%) – May
- TWDB Reviews
 - Segment A
 - Booster Pump Station
- TCEQ Reviews
 - Booster Pump Station



Ongoing Progress

► Water Treatment Plant / Raw Water Infrastructure

- Procurement Phase Underway
 - March 23 – project advertisement began
 - Four addenda issued to date
 - May 4 – Five (5) proposals submitted and under evaluation

- Proposed Schedule to NTP
 - May 18 – proposal evaluations completed
 - May 21 – PAC recommendation
 - May 26 – Board approval
 - June 17 – contract documents to TWDB
 - July 15 – NTP to contractor



Pipeline Easement Acquisition Status

Pipeline Segment	Number of Parcels	STATUS						
		(A) Appraisal/Offer in Development	(B) Negotiation (Initial Offer)	(C) Negotiation (Final Offer)	(D) = (A+B+C) Appraisal / Negotiation	(E) Condemnation in Process	(F) = (D+E) Possession Still Needed	(G) Purchase Agreement Signed / Possession Obtained
A	39	0	0	0	0	13	13	26
B	52	0	0	0	0	35	35	17
D	56	0	0	11	11	29	40	16
C	79	42	21	0	63	10	73	6
E	37	9	7	2	18	16	34	3
Well Field	20	17	0	3	20	0	20	0
Total	283						215	68



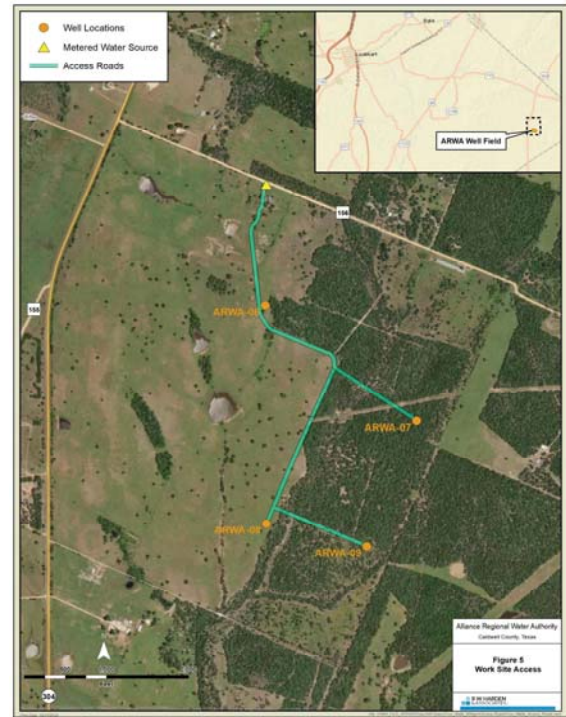
Well Drilling Construction Progress

▶ Actual Progress (last 30 days)

- Sites No. 8 and 9
 - Finalizing Wells
- Site No. 7
 - Well Efficiency Met
- Site No. 6
 - Well Efficiency Issues

▶ Anticipated Progress (next 30 days)

- Site No. 6
 - Continued Development, Testing, and Sampling
- Site No. 7
 - Obtain Sample Lab Results
 - Finalize Well



Budget Update

COST UPDATES BASED ON APRIL MILESTONE SUBMITTALS

		ORIGINAL (FEB. 2019)	REVISED	
	Construction Package	ARWA Total Projected Cost	ARWA Total Projected Cost	DIFFERENCE
Submittal (%) Combined Program Infrastructure				
100	Water Treatment Plant	\$ 25,200,000	\$ 28,900,000	\$ 3,700,000
100	Booster Pump Station & GBRA Meter Stations	\$ 12,100,000	\$ 12,200,000	\$ 100,000
30	Inline EST (South)	\$ 3,600,000	\$ 3,600,000	\$ 0
100	Pipeline Segment A	\$ 27,200,000	\$ 26,000,000	(\$ 1,200,000)
100	Pipeline Segment B	\$ 27,100,000	\$ 32,400,000	\$ 5,300,000
100	Pipeline Segment D	\$ 36,300,000	\$ 37,700,000	\$ 1,400,000
60	Pipeline Segment E	\$ 9,500,000	\$ 9,200,000	(\$ 300,000)
	Subtotal	\$141,000,000	\$150,000,000	\$ 9,000,000
ARWA-Only Infrastructure				
Const.	Well Drilling	\$ 3,800,000	\$ 3,100,000	(\$ 700,000)
100	Raw Water Infrastructure	\$ 7,000,000	\$ 10,200,000	\$ 3,200,000
100	ARWA Booster Pump Station & Delivery Points	\$ 7,700,000	\$ 5,500,000	(\$ 2,200,000)
30	Inline EST (North)	\$ 5,400,000	\$ 6,600,000	\$ 1,200,000
60	Pipeline Segment C	\$ 64,500,000	\$ 62,500,000	(\$ 2,000,000)
60	Pipeline Segment E (ARWA-Only)	\$ 6,700,000	\$ 10,100,000	\$ 3,400,000
No Design	Administration and Operations Building	\$ 4,300,000	\$ 4,200,000	(\$ 100,000)
	Subtotal	\$ 99,400,000	\$102,200,000	\$ 2,800,000
	Total	\$240,400,000	\$252,200,000	\$11,800,000

APRIL 2021 UPDATE

CHANGE FROM
MARCH UPDATE = \$0

NO CHANGE



Consulting Services

Construction Phase Services

- ▶ Construction Phase Services Template
- ▶ Projects on this Agenda:
 - Water Treatment Plant
 - Raw Water Infrastructure
- ▶ Projects Upcoming:
 - Pipeline Segment A
 - Booster Pump Station



Water Treatment Plant

- ▶ Construction Phase Services (Hourly not to Exceed)
- ▶ Basic Services Scope to Include:
 - Construction Progress Meetings
 - Periodic Site Visits
 - Shop Drawing Submittals
 - Requests for Information
 - Requests for Proposals, Change Orders
 - Final Walkthroughs
 - Record Drawings



Water Treatment Plant

- ▶ Construction Phase Services (Hourly not to Exceed)
- ▶ Supplemental Services Scope to Include:
 - Start-up and Commissioning Assistance
 - Specialty Observations
 - Additional Meetings / Site Visits
 - Surge / Transient Start-up Support
- ▶ Basic Services Fee = \$1,215,171.00
- ▶ Supplemental Services Fee = \$423,036.00



Raw Water Infrastructure

- ▶ Construction Phase Services (Hourly not to Exceed)
- ▶ Basic Services Scope to Include:
 - Construction Progress Meetings
 - Periodic Site Visits
 - Shop Drawing Submittals
 - Requests for Information
 - Requests for Proposals, Change Orders
 - Final Walkthroughs
 - Record Drawings



Raw Water Infrastructure

- ▶ Construction Phase Services (Hourly not to Exceed)
- ▶ Supplemental Services Scope to Include:
 - Start-up and Commissioning Assistance
 - Specialty Observations
 - Additional Meetings / Site Visits
 - SCADA Programming Coordination
- ▶ Basic Services Fee = \$210,065.00
- ▶ Supplemental Services Fee = \$127,760.00



Questions?

May 07, 2021

Project Monthly Summary

April 2021 Tasks Performed:

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

- Task 3 – Budgeting
 - Continued updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.

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

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

- Task 7 – Environmental Management
 - Finalized review of the Segment B Hazmat Phase II and Technical Documents report prepared by the Environmental Consultant.
 - Finalized review of the Segment D Hazmat Phase II and Technical Documents report prepared by the Environmental Consultant.
 - Continued coordination with Program Environmental Consultant concerning the comment responses to the United States Army Corps of Engineers.
 - Coordinated with the Program Environmental Consultant regarding Inline Elevated Storage Tank site field work.
 - Continued coordination with the Program Environmental Consultant regarding additional hazmat studies for Segments C and E.
 - Performed coordination between Program Environmental Consultant and Land Acquisition Consultant to clarify environmental field work to be done on properties as part of right-of-entry process.

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

- 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 C, D, E, and W parcels.
 - Coordinated with Program Survey Consultant, Program Environmental Consultant, and Land Acquisition team to address questions that arise as part of the field work coordination process.
 - Performed weekly QC of parcel files in SharePoint, provided comments to Land Acquisition team.
 - Weekly coordination meeting with land agents to discuss status of rights-of-entry and to provide Program clarification on any questions/requests that have come from landowners.
 - Reviewed Program Land Acquisition team, Program Appraiser, and Program Survey invoices.
 - Continued field work coordination to notify landowners of upcoming field work by consultants.
- Task 9 – Texas Water Development Board Management
 - Continued coordination with TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review.
- Task 10 – Design Standards
 - Revised the Front End Documents based on comments received during WTP/RWI Advertising.
 - Revised and distributed the Pipeline Construction Standards based on comments received during WTP/RWI Advertising.
 - Revised the Cathodic Protection Program Standards based on comments received during WTP/RWI Advertising.
- Task 11 – Engineering Design Management
 - Pipelines:
 - Segment A
 - Continued coordination with Design Consultant for final design and preparation for bidding.
 - Segment B
 - Continued coordination with Design Consultant for final design and preparation for bidding.
 - Segment C
 - Finalized review of the Segment C 90% design submittal prepared by the Design Consultant.
 - Attended the Segment C 90% Design Workshop.

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

- Continued coordination with Design Consultant for final design.
 - 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 and preparation for bidding.
 - Segment E
 - Began review of the Segment E 90% design submittal prepared by the Design Consultant.
 - Continued coordination with Design Consultant for final design.
 - Wellfield:
 - Continued coordination regarding the construction for Wells 6-9.
 - Raw Water Infrastructure:
 - Continued coordination with Design Consultant for final design and procurement development.
 - Water Treatment Plant:
 - Continued coordination with Design Consultant concerning Hydraulics/Surge development.
 - Continued coordination with Design Consultant for final design and procurement development.
 - Booster Pump Station:
 - Coordinated with Design Consultant for final design.
 - Inline Elevated Storage Tanks:
 - Continued coordination with Design Consultant for 60% design development.
 - Other:
 - 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 coordination with ARWA and GVEC to develop agreement language for service to the well field.
 - Continued coordination with GVEC regarding electric service to the WTP and wellfield.
 - Task 14 - Permit Coordination/Tracking
 - Continued Permit coordination with Pipeline Consultants.
 - Continued coordination with Caldwell, Guadalupe, and Hays County TxDOT offices concerning roadway crossings.

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

- Continued coordination with Hays County concerning the Site Development Permit.
- General Coordination with TxDOT.
- Continued General Coordination with TxDOT.
- Continued General Coordination with GVEC and BBEC.
- On-going Permit Tracking Log Updates.
- Task 15 – Procurement and Construction Phase Services
 - Coordinated with WTP and RWI Design Consultants during the procurement phase.
 - Prepared for and attended WTP/RWI Pre-Proposal Meeting and Site Visit.
 - Collected and distributed questions received from the WTP/RWI Advertisement.
 - Administratively prepared and reviewed Addenda.
- Task 16 – Other Services
 - Continued addressing ARWA’s comments to finalize the additional solar analysis and memo.
 - Commissioning Planning
 - Continued evaluation of the Phase 1B infrastructure commissioning and prepared a commissioning presentation update for ARWA’s review.

May 2021 Projection:

- Task 2 – Stakeholder Coordination
 - Coordination and/or meetings with entities including: Caldwell County, Guadalupe County, GVEC, Bluebonnet Electric Coop, TxDOT, TCEQ, and TWDB.
 - Continue weekly task coordination with Alliance Water.
 - Prepare and present the Technical Committee Update.
 - Prepare and present Project Advisory Committee Meeting Update.
 - Prepare and present Board Meeting Update.
 - Prepare for and hold Monthly Status Meeting with Alliance Water.
- Task 3 – Budgeting
 - Prepare the monthly Budget Update for the June Board meeting.
 - Continue updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
 - Continue development of projected Operation and Maintenance costs and address feedback received from ARWA.
- Task 4 – Schedule
 - Prepare the quarterly Schedule Update for the June Board meeting.

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

- Revise the Project Deliverable Schedule based on the feedback received from ARWA and Design Consultants.
- Coordinate with Program team to integrate each project schedule into overall Program schedule. Develop and distribute schedule update and memorandum.
- Task 6 – Data Management
 - Ongoing maintenance of Microsoft SharePoint Online program.
 - Continued updating of web-based GIS for easement acquisition process and alignment changes.
- Task 7 – Environmental Management
 - Review the Segment C Hazmat Phase II and Technical Documents report prepared by the Environmental Consultant.
 - Continue coordination with Program Environmental Consultant concerning the comment responses to the United States Army Corps of Engineers.
 - Coordinate with the Program Environmental Consultant regarding Inline Elevated Storage Tank site field work.
 - Continued coordination with the Program Environmental Consultant regarding additional hazmat studies for Segment C and E.
 - Perform coordination between Program Environmental Consultant and Land Acquisition Consultant to clarify environmental field work to be done on properties as part of right-of-entry process.
 - Monthly progress meeting and ongoing coordination with Program Environmental Consultant.
 - Continue coordination between Program Environmental Consultant and Design Engineers.
 - Review Program Environmental invoices, schedule, and risk log.
- Task 8 – Land Acquisition Management
 - Coordinate the appraisal process for Segment C, D, E, and W parcels.
 - Coordinate with Program Survey Consultant, Program Environmental Consultant, and Land Acquisition team to address questions that arise as part of the field work coordination process.
 - Perform weekly QC of parcel files in SharePoint, provide comments to Land Acquisition team.
 - Weekly coordination meeting with land agents to discuss status of rights-of-entry and to provide Program clarification on any questions/requests that have come from landowners.
 - Review Program Land Acquisition team, Program Appraiser, and Program Survey invoices.
 - Continue field work coordination to notify landowners of upcoming field work by consultants.
- Task 9 – Texas Water Development Board Management

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

- Continue coordination with TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review.
- Task 10 – Design Standards
 - Revise and distribute the Front End Documents based on comments received during WTP/RWI Advertising.
 - Revise and distribute the Pipeline Construction Standards based on comments received during WTP/RWI Advertising.
 - Revise and distribute the Cathodic Protection Program Standards based on comments received during WTP/RWI Advertising.
- Task 11 – Engineering Design Management
 - Pipelines:
 - Segment A
 - Continue coordination with Design Consultant for final design.
 - Segment B
 - Continue coordination with Design Consultant regarding for final design.
 - Segment C
 - Begin review of the Segment C 100% design submittal prepared by the Design Consultant.
 - Continue coordination with Design Consultant for final design.
 - Continue coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations as part of right-of-entry process and EFR development.
 - Segment D
 - Continue coordination with Design Consultant for final design.
 - Segment E
 - Finalize review of the Segment E 90% design submittal prepared by the Design Consultant.
 - Attend the Segment E 90% Design Workshop.
 - Continue coordination with Design Consultant for final design.
 - Wellfield:
 - Continue coordination regarding the construction of Wells 6-9.
 - Raw Water Infrastructure:
 - Continued coordination with Design Consultant for final design and advertisement development.
 - Water Treatment Plant:
 - Continue coordination with Design Consultant concerning Hydraulics/Surge development.

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

- Continued coordination with Design Consultant for final design and advertisement development.
 - Booster Pump Station:
 - Coordination with Design Consultant for final design and advertisement development.
 - Inline Elevated Storage Tanks:
 - Coordination with Design Consultant for 60% design development.
 - Other:
 - Monthly progress meetings with all Design Consultants (pipelines, water treatment plant, raw water infrastructure, wellfield).
 - Review invoices, schedules, and risk logs for consultants.
- Task 13 – Electrical Power Planning
 - Continue coordination with ARWA and GVEC to develop agreement language for service to the well field.
 - Continue coordination with GVEC regarding electric service to the WTP and wellfield.
- Task 14 – Permit Coordination/Tracking
 - Continue Permit coordination with Pipeline consultants
 - Coordinate with Hays County concerning the Site Development Permit.
 - General Coordination with TxDOT.
 - Coordinate with Caldwell, Guadalupe, and Hays County TxDOT offices concerning roadway crossings.
 - General Coordination with GVEC and BBEC.
 - On-going Permit Tracking Log Updates.
- Task 15 – Procurement and Construction Phase Services
 - On-going coordination with WTP and RWI Design Consultants during the procurement phase.
 - Prepare for and attend WTP/RWI Bid Opening and distribute proposals to review team.
- Task 16 – Other Services
 - Finalize additional solar analysis and memo to address ARWA’s comments.
 - Commissioning Planning
 - Finalize the evaluation of the Phase 1B infrastructure commissioning for ARWA’s review.
 - 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.

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

Outstanding Issues/Concerns:

None at this time.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, May 12th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 334 427 00#

- F.2** Discussion and possible recommendation to the Board to approve a Work Order with Walker Partners, LLC for Construction Administration Services on the Authority's Phase 1B Water Treatment Plant project. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
-

Background/Information

Alliance Water entered into a Work Order in January 2020 with Walker Partners, LLC. (Walker Partners) to provide final design engineering services for the Phase 1B Water Treatment Plant project. The final design is complete and the construction notice-to-proceed is expected to be issued in July. In order to maintain progress, Staff has negotiated a scope and fee with Walker Partners to provide construction administration and construction engineering services for the Phase 1B Water Treatment Plant project.

Below are some of the key facts regarding the proposal:

Firm: Walker Partners, LLC
Fee: \$1,638,207
Work Order Type: Hourly, Not-to-Exceed
Anticipated Duration: 26 months
Project Manager: Joe Jenkins, P.E.
Key Subconsultants: SKE & Ardurra

Staff is requesting that the Committee recommend Board approval of a Work Order with a fee for the basic services of \$1,215,171 and a fee for supplemental effort in an amount not-to-exceed \$423,036 for a total fee of \$1,638,207. The Executive Director will be given the discretion to authorize the supplemental effort if needed.

Attachment(s)

- Water Treatment Plant Construction Administration and Construction Engineering.

Technical Committee Decision Needed:

- Possible recommendation to the Board.

**Alliance Regional Water Authority Phase 1B Water Treatment Plant
Construction Administration and Construction Engineering
Scope of Services**

1. Project Management
 - 1.1. Prepare Monthly Summary Reports/Invoicing as identified in the ARWA Phase 1B Program Management Plan **(26 invoice packet submissions by Walker Partners (WP) only)**
 - 1.2. Quality Control Audit (one workshop)
 - **WP to prepare for and attend one workshop**
 - **S. Kanetzky Engineering (SKE) four hours preparation for one workshop**
 - **Ardurra four hours preparation for one workshop**
2. Public Utility Coordination
 - 2.1. Guadalupe Valley Electric Cooperative (two one-hour virtual meetings or phone conferences)
 - **WP to have one personnel in attendance for one two-hour meeting with GVEC**
 - **SKE to have one personnel in attendance for one two-hour meeting with GVEC**
 - **Ardurra to have one personnel in attendance for one two-hour meeting with GVEC**
3. Construction Site Visits and Progress Meetings
 - 3.1. Pre-Construction Meetings
 - 3.1.1. Attend a pre-construction meeting coordinated by the Construction Management and Inspection (CM&I) team.
 - **WP to have personnel in attendance for pre-construction meeting**
 - **Ardurra to have personnel in attendance for pre-construction meeting**
 - 3.1.2. Attend a Caldwell County pre-construction meeting for road work on Wolf Run Road (CR156) coordinated by the Construction Management and Inspection (CM&I) team.
 - **WP to have personnel in attendance for pre-construction meeting**
 - 3.2. Monthly Construction Progress Meetings and Site Observations (8-hour day per each)
 - **WP will attend 26 monthly construction progress meetings and perform same-day site observations**
 - **SKE will attend 13 monthly construction progress meetings and perform same-day site observations**
 - **Ardurra will attend 13 monthly construction progress meetings and perform same-day site observations**
 - **Elk – Up to two monthly construction progress meetings will be attended for critical installation milestones of the cathodic protection system based upon the construction schedule.**
 - 3.2.1. Attend Progress Meetings led by the CM&I team. Discuss status of document reviews, proposed contract modifications and any issues or concerns that need to be addressed to allow construction of the project to progress.
 - 3.2.2. Review Project Decision Register and Action Item Register prior to each meeting. Report discrepancies in the Project Decision Register to the CM&I team immediately. Update the status on Action Items at least 10 days before meetings.
 - 3.2.3. Review monthly Construction Activity Reports prepared by the CM&I team. Provide feedback on report content as appropriate.
 - 3.2.4. Site observations will be limited to spot checking, selective measurement, and similar

methods of general observation. Based on information obtained during site visits, Consultant will evaluate whether Contractor's work is generally proceeding in accordance with the Contract Documents, and Consultant will keep Client informed of the general progress of the work. Consultant is not required to make exhaustive or continuous inspections to check the quality or quantity of the Work. In this effort, Consultant will endeavor to protect the Owner against defects and deficiencies in the work of Contractor and will report any observed deficiencies to CM&I. Consultant's visits and observations are subject to the limitations on Consultant's authority and responsibility described in the General Conditions.

Consultant will not supervise, direct, or have control over Contractor's work, nor shall Consultant have authority to stop the Work or have responsibility for the means, methods, techniques, equipment choice and usage, schedules, or procedures of construction selected by Contractor, for safety programs incident to Contractor's work, or for any failure of Contractor to comply with any laws. Consultant does not guarantee the performance of any Contractor and has no responsibility for Contractor's failure to perform its work in accordance with the Contract Documents. Consultant is to inform the CM&I of issues or concerns and CM&I is to work with Contractor to address these issues or concerns.

- 3.2.5. Site observation reports will be prepared and provided to the CM&I team via the CM&I Electronic Document Management System (EDMS) within 48 hours of each site visit.
- 3.2.6. Notify CM&I team of inconsistencies with observed work with respect to Contract Documents.
4. Construction Coordination
 - 4.1. Regular coordination with Owner's Representative and CM&I group as required to facilitate administration of the project.
 - 4.2. Participate in project quality audits as necessary, and implementation of agreed corrective actions.
 - **WP to attend five meetings related to quality issues during construction**
 - **SKE to attend three meetings related to quality issues during construction**
 - **Ardurra to attend three meetings related to quality issues during construction**
 - 4.3. Utilize EDMS for upload/download of all construction-related documentation.
 - 4.4. Program Engineer SCADA Programming Coordination
 - **WP & SKE to provide review, input, coordination, meeting attendance, and recommendations for SCADA Program Engineer, as required.**
5. Shop Drawing/Submittal Review
 - 5.1. Review shop drawings/submittals for conformance with the project plans and specifications and provide responses within 14 calendar days. For the purposes of this scope, assume review effort will include the original submittal and 50% resubmittals.
 - **WP to review 100 initial and 50 resubmittal shop drawings/submittals for civil, process mechanical, and coordination with other disciplines, as required**
 - **SKE to review 100 initial and 50 resubmittal shop drawings/submittals for MEP & IC & Process Mechanical Equipment for conformance with original design**
 - **Ardurra to review 50 initial and 25 resubmittal shop drawings/submittals for**

9. Record Drawings
 - 9.1. Consultant will prepare draft and final Contract Record Drawing submittals using the marked up red line drawings provided by the Contractor during construction. Record drawing information will be based solely on the provided red line drawings and appropriate field documentation received from the Consultant and the CM&I group during construction site visits. Items associated with this work include:
 - 9.1.1. Prepare final Change Order (over and unders) recapitulation of the Project in conjunction with the final pay request
 - 9.1.2. Prepare Record Drawings of the constructed project based on change order revisions and as built information provided by the contractor.
 - **WP to provide up to 110 record drawings**
 - **SKE to provide up to 110 record drawings**
 - **Ardurra to provide up to 60 record drawings**
 - **ELK will provide one record drawing for the cathodic protection system**
 - 9.1.3. Provide the Owner's Representative with one (1) set of Record Drawings in .pdf and .dwg electronic format.
 - 9.1.4. Provide the Owner's Representative with the DWG file with the reference state plan coordinate system for use by ARWA.
 - **WP to provide**
10. TCEQ CT Study and Corrosion Engineering Report
 - 10.1. WP to provide final CT study with accompanying corrosion engineering report for Program submission to the TCEQ 60 days after receipt of all ARWA and GBRA well water quality pump test data. The engineering report will address any water corrosivity issues and corrosion control treatment required for mitigation. Includes up to two two-hour coordination meetings with the Program and the TCEQ, each. Time and materials includes updated model evaluations based on final water quality obtained from all well pump tests.
11. Supplemental
 - 11.1. Survey Services by WP
 - 11.1.1. **WP to Verify/Reset horizontal and vertical control points for construction purposes**
 - 11.2. General Construction Phase Services, which may include:
 - 11.2.1. Additional site visits
 - **WP to provide up to eight additional site visits**
 - **SKE to provide up to three additional site visits**
 - **Ardurra to provide up to three additional site visits**
 - **Elk to provide up to one additional site visit**
 - 11.2.2. Specialty observations limited to spot checking, selective measurement, and similar methods of general observation for observation of equipment requiring additional observations beyond the monthly observations. This includes pre-stressed concrete tanks, carbon dioxide system, lime system, filters, chemical dosing systems, pumps, solids handling system, and structures. Based on information obtained during specialty observations, Consultant will evaluate whether Contractor's work is in accordance with the Contract Documents, and Consultant will keep Client informed of the progress of the work. Consultant is not required to make exhaustive or continuous inspections to check the quality or quantity of the Work. In this effort, Consultant will endeavor to protect the Owner against defects and deficiencies in the work of Contractor and will report any observed deficiencies to CM&I. Consultant's visits and observations are subject to the limitations on Consultant's authority and responsibility described in the General Conditions.

Consultant will not supervise, direct, or have control over Contractor's work, nor shall Consultant have authority to stop the Work or have responsibility for the means, methods, techniques, equipment choice and usage, schedules, or procedures of construction selected by Contractor, for safety programs incident to Contractor's work, or for any failure of Contractor to comply with any laws. Consultant does not guarantee the performance of any Contractor and has no responsibility for Contractor's failure to perform its work in accordance with the Contract Documents. Consultant is to inform the CM&I of issues or concerns and CM&I is to work with Contractor to address these issues or concerns.

Specialty observation reports will be prepared and provided to the CM&I team via the CM&I Electronic Document Management System (EDMS) within 48 hours of each site visit. Notify CM&I team of inconsistencies with observed work with respect to Contract Documents.

- **WP will perform five specialty observations**
- **SKE will perform five specialty site observations**
- **Ardurra will perform five specialty observations**
- **ELK will perform up to one specialty one specialty observation to check piping coating quality and defects, up to one specialty observation to observe test station installation, up to one specialty observation to observe pipe joint bonding and coating repair**

11.2.3. Providing services to review or evaluate Contractor claims that are due to causes within the control of Consultant.

- **WP to review or evaluate 3 contractor claims**
- **SKE to review or evaluate 3 contractor claims**
- **Ardurra to review or evaluate 3 contractor claims**

11.3. Attend additional meetings in the vicinity of the project (5 meetings – Assumes 2-hrs each)

- **WP to attend five additional meetings**
- **SKE to attend five additional meetings**
- **Ardurra to attend two additional meetings**

11.4. Factory Performance and Off-Site Tests will be witnessed at the supplier's place of business for the following equipment:

11.4.1. High Service Pumps for a total of three days, including travel time.

- **WP process mechanical engineer to attend for three days, including expenses**

11.4.2. Electrical Control Panels for a total of three days, including travel time.

- **SKE instrumentation and control (IC) engineer to attend for three days, including expenses**

11.5. On-site Witness Testing

11.5.1. IC demonstration tests to be witnessed for a total of three days, including travel time.

All tests will be at the project site.

- **SKE to send IC engineer for three days**

11.5.2. High Service Pump tests to be witnessed all tests at the project site.

- **WP to send Process Mechanical engineer for two days, includes travel time**
- **SKE to send IC engineer for one day, includes travel time**

11.6. Additional Submittals/RFIs/Alternatives and Substitutions

11.6.1. Review of additional submittals, RFIs, and alternatives and substitutions proposed by Contractor.

- 11.7. Start-up and Commissioning Assistance
- 11.7.1. Engineering Staff to be on-site and available for providing engineering support to CM&I for start-up and commissioning.
- **WP staff to be on-site for ten days**
 - **SKE staff to be on-site for five days**
 - **Ardurra staff to be on-site for three days**
 - **ELK technician be on-site for two days to observe the cathodic protection rectifier installation, energize the system, and perform “Tap” setting adjustments**
- 11.8. Substantial/Final Completion Walk-Throughs – Additional Coordination Efforts
- 11.8.1. Additional effort beyond conducting two substantial and one final completion walk-through(s)/inspection(s), coordinated by the CM&I.
- 11.9. Corrosion Investigation, Data Collection and Design Support
- ELK will provide one engineer and two technicians to identify, catalogue, and document water treatment plant (WTP) facility CP survey test points following Commissioning of the CP system. This will include performing and recording baseline potential measurements at selected test locations prior to permanently energizing the CP system.**
- 11.10. Post Construction Corrosion Services
- 11.10.1. **ELK will provide two technicians to perform a facility CP survey of previously identified test locations after sufficient time has been allowed for polarization of the protected structures.**
- **WP to provide support and coordination**
- 11.11. Geotechnical Review of Subsurface and Physical Site Conditions
- 11.11.1. Geotechnical Review and Construction Services
- **Holt to perform up to two site visits during construction to confirm site conditions are consistent with geotechnical investigation recommendations and to provide any further recommendations as needed.**
 - **WP to provide support and coordination**
- 11.12. Surge/Transient Start-up Support
- 11.12.1. **Northwest Hydraulic Consultants (NHC) will provide as-needed responses to future WP questions that relate to the procurement and construction of surge control measures for the pump station.**
- **WP to provide support and coordination**
- 11.12.2. **Procurement and/or construction deviations from the final design of the pump station that could affect the hydraulics of the pump station and pipeline, and the surge control measures will be reviewed by NHC. This may involve NHC reviewing certified pump curves, valve submittals, pipe material submittals, etc., to determine the potential impact of the identified deviations on the transient response of the pipeline project.**
- **WP to provide support and coordination**
- 11.12.3. **NHC will check the effectiveness of the surge control measures with the procurement and/or construction deviations in place. If necessary, NHC will provide recommendations for additional surge analyses (beyond the scope of this proposal) for re-design of the surge control measures with the procurement and/or construction deviations in place to ensure that the predicted transient pressures and flow rates are within acceptable limits for the pump station and pipeline**

following transient events (e.g., pump power failure and pump start-up).

- **WP to provide support and coordination**

11.12.4. NHC will review surge tank field testing and surge analyses performed by equipment suppliers during construction and commissioning of the pump station to ensure conformity with NHC's recommendations for surge control at the pump station.

- **WP to provide support and coordination**

ASSUMPTIONS

1. Scopes provided assume CM&I or Client Representative will be responsible for logging and tracking of all submittals, RFI's, and COs.
2. CM&I is responsible for reviewing monthly construction pay applications and making recommendations for payment
3. CM&I is responsible for reviewing monthly construction schedules and confirming compliance with Contract dates and key milestones
4. CM&I is responsible for reviewing monthly as-builts provided by Contractor.
5. Effort for pre-submittal workshops/coordination meetings or conference calls are not included.
6. Engineer is not responsible for safety beyond what is covered and required in the Project Management Plan. The engineers and design staff are not responsible for the safety of others.
7. The construction period will last 790 days (26 months) from Notice to Proceed.
8. The Construction phase will follow the recommendations of the Program Project Management Plan dated October 2019.
9. The project will be constructed under one contract.
10. The CM&I will provide a field office structure with furniture for engineering staff during site visits and meetings.
11. The CM&I will be responsible for all regulatory agency coordination and construction permitting.
12. Monthly construction progress meetings/site visits will be attended at the project site.
13. Submittals include shop drawings, O&M submittals, and samples.
14. Plan of operations for startup and operation of the facility will be provided by the CM&I or Client's representative.
15. Operations and Maintenance Manual addressing all new facilities and systems will be provided by the CM&I or Client's representative.
16. Any labor expenses required to address construction claims, unforeseen subsurface considerations, or additional construction requested by the Contractor or Owner will constitute a change of scope and will be additional costs based on a revised labor rate schedule.
17. Claims resolution or litigation assistance requested of the engineer will constitute a change of scope and will be additional costs based on a revised labor rate schedule.
18. Classroom and field training for plant staff is not included in the scope of services.
19. Operations assistance beyond what is specifically provided has not been included in the scope of services.
20. Warranty inspections and facility performance review/inspections have not been included in the scope of services.
21. CM&I is responsible for inspection of septic system installation and coordination with the County inspector.

22. This agreement only includes scope and fee for construction administration and construction engineering services for the WTP portion of the project.
23. The Raw Water Infrastructure project construction administration and engineering scope and fees will be provided via separate agreement.
24. Scope and fee are not included for corrosion study or generation and re-submission of plans for TCEQ approval due to changes in treatment due to outcome of corrosion study and/or engineering report.

Alliance Water Phase 1B Program																		Project Fee Summary (HNTE)		
Water Treatment Plant Consultant Construction Services																				
5/7/2021																				
Detailed Overall Consultant Cost Breakdown																		Basic Effort HNTE \$ 1,215,171 Supplemental HNTE \$ 423,036 Total Effort HNTE \$ 1,638,207		

Task	Project Role	Jenkins Manager IV	Christensen Senior Engineer II	Senior Engineer I	Canady/Niemann Project Manager V	Project Engineer II	Yeri/Garza Project Engineer I (EIT)	Todd CAD Tech X	Monique Support Staff IV	L. Simpson Survey Manager	2-Man Crew Survey	J. Montemayor Technician V	WP Total Hours	WP Total Labor Effort	WP Total Expense Effort	Ardurra	Northwest Hydraulic	S. Kanetzky	Holt	Eik	Total Sub Effort	Total Effort	Assumptions	
Hourly Bill Rate*		\$298.70	\$231.75	\$206.00	\$190.55	\$123.60	\$113.30	\$154.50	\$92.70	\$206.00	\$139.05	\$97.85												
Basic Services																								
Task 1 - Project Management																								
1.1	Prepare Invoice Packets (Summary Reports, Invoices)	26	0	0	64	0	16	0	4	0	0	0	114	\$ 23,340	\$ -	\$ 1,120	\$ -	\$ 940	\$ -	\$ -	\$ 2,060	\$ 25,400		
1.2	1 Quality Control Audit	4	0	0	12	0	16	0	4	0	0	0	36	\$ 5,665	\$ -	\$ 1,120	\$ -	\$ 940	\$ -	\$ -	\$ 2,060	\$ 7,725		
Task 2 - Public Utility Coordination																								
2.1	Guadalupe Valley Electric Cooperative	2	0	0	4	0	0	0	2	0	0	0	8	\$ 1,545	\$ -	\$ 430	\$ -	\$ 470	\$ -	\$ -	\$ 900	\$ 2,445		
Task 3 - Construction Site Visits and Progress Meetings																								
3.1	Pre-Construction Meetings	114	0	0	220	0	136	0	0	0	0	0	470	\$ 91,381	\$ 1,882	\$ 45,990	\$ -	\$ 31,530	\$ -	\$ 3,844	\$ 81,364	\$ 174,627		
3.2	Monthly Construction Progress Meetings and Site Observations	10	0	0	12	0	16	0	0	0	0	0	38	\$ 7,086	\$ 134	\$ 3,220	\$ -	\$ -	\$ -	\$ -	\$ 3,220	\$ 10,440	Mileage	
Task 4 - Construction Coordination																								
4.1	Coordination with Owner's Rep and CM&I Group to Facilitate Project Administration	104	1	0	208	0	120	0	0	0	0	0	432	\$ 84,295	\$ 1,747	\$ 42,770	\$ -	\$ 31,530	\$ -	\$ 3,844	\$ 78,144	\$ 164,186	Mileage	
4.2	Attend meetings related to quality issues during construction	60	1	0	188	0	216	0	8	0	0	0	473	\$ 79,192	\$ 336	\$ 20,570	\$ -	\$ 28,166	\$ -	\$ -	\$ 48,736	\$ 128,264		
4.3	Utilize EDMS for upload/download of all construction-related documentation	24	0	0	40	0	40	0	0	0	0	0	104	\$ 19,323	\$ -	\$ 6,050	\$ -	\$ -	\$ -	\$ -	\$ 6,050	\$ 25,373		
4.4	Program Engineer SCADA Programming Coordination	20	0	0	40	0	40	0	0	0	0	0	100	\$ 18,128	\$ 336	\$ 14,520	\$ -	\$ 5,866	\$ -	\$ -	\$ 20,386	\$ 38,850	Mileage	
Task 5 - Shop Drawing/Submittal Review																								
5.1	Review shop drawings/submittals, provide responses w/in 14 calendar days	8	1	0	60	0	80	0	0	0	0	0	148	\$ 22,887	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,887		
5.2	Evaluation of Alternatives and Substitutions	8	16	0	48	0	56	0	8	0	0	0	121	\$ 18,854	\$ -	\$ -	\$ 22,300	\$ -	\$ -	\$ -	\$ 22,300	\$ 41,154		
Task 6 - Request for Information (RFIs)																								
6.1	Review Contractor RFIs	88	16	0	376	0	392	0	80	0	0	0	952	\$ 153,470	\$ -	\$ 79,050	\$ -	\$ 122,040	\$ -	\$ 4,380	\$ 192,810	\$ 337,216		
Task 7 - Request for Proposals (RFPs) and Change Orders (COs)																								
7.1	Coordinate with CM&I to prepare a description of proposed Modifications for RFPs and COs	80	16	0	360	0	360	0	80	0	0	0	896	\$ 144,406	\$ -	\$ 72,030	\$ -	\$ 116,400	\$ -	\$ 4,380	\$ 192,810	\$ 337,216		
7.2	Review Change Orders prepared by the CM&I team.	8	0	80	16	0	32	0	0	0	0	0	56	\$ 9,064	\$ -	\$ 7,020	\$ -	\$ 5,640	\$ -	\$ -	\$ -	\$ 121,576	\$ 188,732	
Task 8 - Substantial/Final Completion Walk-Throughs																								
8.1	Conduct two (2) substantial completion walk-throughs/inspections, coordinated by the CM&I. Submit a Substantial Completion punch list and letter to the Owner's Representative, once work is considered substantially complete.	40	0	80	120	0	140	0	0	0	0	0	380	\$ 67,156	\$ -	\$ 52,500	\$ -	\$ 68,200	\$ -	\$ 876	\$ 121,576	\$ 188,732	Mileage	
8.2	Conduct one (1) final completion walk-through/inspection (coordinated by the CM&I). Once deemed complete, recommend, in writing, the final payment to the Contractor.	25	3	40	70	60	90	80	40	0	0	0	408	\$ 63,423	\$ -	\$ 14,725	\$ -	\$ 11,280	\$ -	\$ -	\$ 26,005	\$ 89,428		
Task 9 - Record Drawings																								
9.1.1	Prepare final Change Order (over and unders) recapitulation of the Project in conjunction with the final pay request	20	2	40	60	60	80	80	40	0	0	0	382	\$ 58,659	\$ -	\$ 10,500	\$ -	\$ 9,400	\$ -	\$ -	\$ 19,900	\$ 78,559		
9.1.2	Prepare Record Drawings of the constructed project based on change order revisions and as built information provided by the contractor.	5	1	0	10	0	10	0	0	0	0	0	26	\$ 4,764	\$ -	\$ 4,225	\$ -	\$ 1,880	\$ -	\$ -	\$ 6,105	\$ 10,869		
9.1.3	One (1) set of Record Drawings in .pdf and .dwg electronic format.	24	0	0	40	0	40	0	12	0	0	0	116	\$ 20,435	\$ 202	\$ 21,330	\$ -	\$ 50,947	\$ -	\$ 6,034	\$ 78,311	\$ 98,948		
9.1.4	DWG file with the reference state plane coordinate system for use by ARWA	Conduct two (2) substantial completion walk-throughs/inspections, coordinated by the CM&I. Submit a Substantial Completion punch list and letter to the Owner's Representative, once work is considered substantially complete.																						
9.1.4	DWG file with the reference state plane coordinate system for use by ARWA	16	0	0	24	0	24	0	8	0	0	0	72	\$ 12,813	\$ 134	\$ 10,230	\$ -	\$ 33,064	\$ -	\$ 1,922	\$ 45,216	\$ 58,163	Mileage	
Task 10 - TCEQ CT Study and Corrosion Engineering Report																								
10.1	Provide updated model evaluations based on final water quality obtained from all well pump tests, final CT Study, Corrosion Engineering Report, two two-hour meetings with the Program and the TCEQ.	8	0	0	16	0	16	0	4	0	0	0	44	\$ 7,622	\$ 67	\$ 11,100	\$ -	\$ 17,883	\$ -	\$ 4,112	\$ 33,095	\$ 40,784	Mileage	
Supplemental Services																								
Task 11 - Supplemental																								
11.1	Survey - Verify/Reset horizontal & vertical control points for construction purposes	9	9	0	44	0	40	176	0	1	0	2	281	\$ 45,284	\$ -	\$ 25,695	\$ -	\$ 26,860	\$ -	\$ 934	\$ 53,489	\$ 98,773		
11.2	General Construction Phase Services	1	1	0	4	0	12	8	0	0	0	0	26	\$ 3,888	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,888		
11.2.1	Additional Site Visits	8	8	0	32	0	20	160	0	0	0	0	228	\$ 37,327	\$ -	\$ 24,095	\$ -	\$ 26,860	\$ -	\$ 934	\$ 51,889	\$ 89,216		
11.2.2	Specialty Observations	8	8	0	8	0	8	8	0	0	0	0	24	\$ 3,667	\$ -	\$ 800	\$ -	\$ -	\$ -	\$ -	\$ 800	\$ 4,467		
11.2.3	Providing services to review or evaluate 3 Contractor claims that are not due to causes within the control of Consultant.	8	8	0	8	0	8	8	0	0	0	0	3	\$ 402	\$ -	\$ 800	\$ -	\$ -	\$ -	\$ -	\$ 800	\$ 1,202		
11.3	Attend additional meetings in the vicinity of the project	24	8	0	80	0	120	16	8	0	0	0	256	\$ 41,076	\$ 0	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,076		
11.4	Factory Performance and Off Site Tests	24	8	0	80	0	120	16	8	0	0	0	256	\$ 41,076	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,076		
11.5	On site Witness Testing	Provide updated model evaluations based on final water quality obtained from all well pump tests, final CT Study, Corrosion Engineering Report, two two-hour meetings with the Program and the TCEQ.																						
11.6	Additional Submittals/RFIs/Substitutions and Alternatives	214	77	0	415	0	435	4	8	4	18	8	1,183	\$ 215,601	\$ 6,180	\$ 64,265	\$ 10,200	\$ 82,385	\$ 6,653	\$ 28,168	\$ 191,671	\$ 413,452		
11.7	Start-up and Commissioning Assistance	30	0	0	60	0	60	0	0	4	18	8	30	\$ 4,110	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,110		
11.8	Substantial and Final Completion Walkthroughs - Additional Coordination Efforts	General Construction Phase Services																						
11.9	Corrosion Investigation, Data Collection and Design Support	48	0	0	64	0	64	0	0	0	0	0	176	\$ 33,784	\$ 336	\$ 12,655	\$ -	\$ 8,266	\$ -	\$ 1,922	\$ 22,843	\$ 56,963	Mileage	
11.10	Post Construction Corrosion Services	24	16	0	48	0	48	0	0	0	0	0	136	\$ 25,462	\$ 336	\$ 8,600	\$ -	\$ 11,217	\$ -	\$ 5,766	\$ 25,583	\$ 51,381		
11.11	Geotechnical Review of Subsurface and Physical Site Conditions	12	12	0	15	0	15	4	4	0	0	0	62	\$ 11,912	\$ -	\$ 11,830	\$ -	\$ 5,640	\$ -	\$ -	\$ 17,470	\$ 29,382		
11.12	Surge/Transient Start-up Support	20	0	0	20	0	20	0	0	0	0	0	60	\$ 12,051	\$ 336	\$ 2,700	\$ -	\$ 10,840	\$ -	\$ -	\$ 13,540	\$ 25,927	Mileage	
Grand Total																								
Subconsultant Basic Services \$ 261,410 \$ - \$ 340,433 \$ - \$ 16,068 \$ 605,251 5% Markup \$ 13,071 \$ - \$ 17,022 \$ - \$ 803 \$ 30,263 Subconsultant Supplemental Services \$ 64,265 \$ 10,200 \$ 82,385 \$ 6,653 \$ 28,168 \$ 191,671 5% Markup \$ 3,213 \$ 510 \$ 4,119 \$ 333 \$ 1,408 \$ 9,584 Total \$ 321,759 \$ 10,710 \$ 387,857 \$ 7,003 \$ 24,279 \$ 606,515																								

*Hourly rates are escalated through December of 2022

HUB Participation	
Basic	22%
Supplemental	17%
Total	20%

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, May 12th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 334 427 00#

- F.3** Discussion and possible recommendation to the Board to approve a Work Order with Ardurra Group, Inc. for Construction Administration Services on the Authority's Phase 1B Raw Water Infrastructure project. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*
-

Background/Information

Alliance Water entered into a Work Order in October 2018 with LNV, Inc., now Ardurra Group, Inc. (Ardurra) to provide final preliminary and final design engineering services for the Phase 1B Raw Water Infrastructure project. The final design is complete and the construction notice-to-proceed is expected to be issued in July. In order to maintain progress, Staff has negotiated a scope and fee with Ardurra to provide construction administration and construction engineering services for the Phase 1B Raw Water Infrastructure project.

Below are some of the key facts regarding the proposal:

Firm: Ardurra Group, Inc.
Fee: \$347,310
Work Order Type: Hourly, Not-to-Exceed
Anticipated Duration: 26 months
Project Manager: Marcus Naiser, P.E.
Key Subconsultants: BGE & Gupta & Associates

Staff is requesting that the Committee recommend Board approval of a Work Order with a fee for the basic services of \$210,345 and a fee for supplemental effort in an amount not-to-exceed \$136,965 for a total fee of \$347,310. The Executive Director will be given the discretion to authorize the supplemental effort if needed.

Attachment(s)

- LNV Proposal for RWI Construction Phase Services dated May 10, 2021.

Technical Committee Decision Needed:

- Possible recommendation to the Board.



May 10, 2021

Mr. Graham Moore, P.E.
Executive Director
Alliance Regional Water Authority
630 E. Hopkins St.
San Marcos, TX 78666

Re: ARWA Phase 1B, Raw Water Infrastructure (RWI) Construction Phase Services Contract

Dear Mr. Moore,

Please find the attached scope of work and fee schedule for the construction phase services associated with the Raw Water Infrastructure (RWI) project elements. This agreement only includes scope and fee for construction administration and construction phase services for the RWI portion of the project. Please contact me at 512-381-8333 or mnaiser@ardurra.com if you have any questions or require additional information.

Sincerely,

A handwritten signature in blue ink that reads 'Marcus J. Naiser'.

Marcus J. Naiser, P.E.
Group Leader
LNV, LLC
mnaiser@lvinc.com

cc: Alisa Gruber, P.E.

attachments: ARWA 1B RWI Construction Phase Scope of Work
ARWA 1B RWI Construction Phase Level of Effort, Fee Schedule

**Alliance Regional Water Authority
Phase 1B Raw Water Infrastructure
Construction Phase Scope**

I. Scope of Services

1. Project Management
 - 1.1. Prepare Monthly Summary Reports/Invoicing as identified in the ARWA Phase 1B Program Management Plan **(12 invoice packet submissions by Ardurra only)**
 - 1.2. Review, Update and Submit Monthly Permit Tracking Log **(26 permit tracking log updates by Ardurra only; RWI has TCEQ, TWDB, USACE NWP, Groundwater Districts, County Site)**
 - 1.3. Meetings
 - 1.3.1. Quality Control Audit (one workshop)
 - **Ardurra to prepare for and attend one workshop**
 - **GAI to prepare for and attend one workshop**
 - **BGE to prepare for and attend one workshop**
 - **RW Harden to prepare for and attend one workshop**
2. Regulatory Agency Coordination and Permits
 - 2.1. Gonzales County Underground Water Conservation District (one one-hour virtual meeting or phone conf.)
 - **Ardurra to have two personnel in attendance at meeting**
 - **RW Harden to have one personnel in attendance at meeting**
3. Public Utility Coordination
 - 3.1. Guadalupe Valley Electrical Cooperative (two one-hour virtual meetings or phone conferences)
 - **ARDURRA to have two personnel in attendance for two one-hour meetings with GVEC**
 - **GAI to have two personnel in attendance for two one-hour meetings with GVEC**
4. Construction Site Visits and Progress Meetings
 - 4.1. Pre-Construction Meetings
 - 4.1.1. Attend a pre-construction meeting coordinated by the Construction Management and Inspection (CM&I) team.
 - **Ardurra to have two personnel in attendance for pre-construction meeting**
 - **GAI to have personnel in attendance for pre-construction meeting**
 - **BGE to have personnel in attendance for pre-construction meeting**
 - **RW Harden to have personnel in attendance for pre-construction meeting**
 - 4.2. Monthly Site Construction Progress Meetings and Observations by Engineering Staff (eight hours each)
 - 4.2.1. Site observations will be limited to spot checking, selective measurement, and similar methods of general observation. Based on information obtained during site visits, Consultant will evaluate whether Contractor's work is generally proceeding in accordance with the Contract Documents, and Consultant will keep Client informed of the general progress of the work. Consultant is not required to make exhaustive or continuous inspections to check the quality or quantity of the Work. In this effort, Consultant will endeavor to protect the Owner against defects and deficiencies in the work of Contractor and will report any observed deficiencies to CM&I. Consultant's visits and observations are subject to the limitations on Consultant's authority and responsibility described in the General Conditions.

Consultant will not supervise, direct, or have control over Contractor's work, nor shall Consultant have authority to stop the Work or have responsibility for the means, methods, techniques, equipment choice and usage, schedules, or procedures of construction selected by Contractor, for safety programs incident to Contractor's work, or for any failure of Contractor to comply with any laws. Consultant does not guarantee the performance of any Contractor and has no responsibility for Contractor's failure to perform its work in accordance with the Contract Documents. Consultant is to inform the CM&I of issues or concerns and CM&I is to work with Contractor to address these issues or concerns.

4.2.2. Site observation reports will be prepared and provided to the CM&I team via the CM&I Electronic Document Management System (EDMS) within 48 hours of each site visit.

4.2.3. Notify CM&I team of inconsistencies with observed work with respect to Contract Documents.

- **Ardurra will perform 12 monthly site observations**
- **GAI will perform 8 monthly site observations**
- **BGE will perform 4 virtual monthly site observations**
- **RW Harden will perform 4 onsite pumping equipment acceptance tests (including testing report preparation)**
- **Chapman will perform site observations at critical milestones during the cathodic protection (CP) installation as follows:**
 - **One site observation to meet with installation contractor and discuss critical installation items**
 - **One site observation to check materials prior to installation**
 - **One site observation to observe anode installation**
 - **One site visit to observe bonding installation**

4.2.4. Attend Progress Meetings led by the CM&I team. Discuss status of document reviews, proposed contract modifications and any issues or concerns that need to be addressed to allow construction of the project to progress.

4.2.5. Review Project Decision Register and Action Item Register prior to each meeting. Report discrepancies in the Project Decision Register to the CM&I team immediately. Update the status on Action Items at least 10 days before meetings.

4.2.6. Review monthly Construction Activity Reports prepared by the CM&I team. Provide feedback on report content as appropriate.

5. Construction Coordination

5.1. Regular coordination with Owner's Representative and CM&I group as required to facilitate administration of the project.

5.2. Participate in project quality audits as necessary, and implementation of agreed corrective actions.

- **Ardurra to attend five meetings related to quality issues during construction**

5.3. Utilize EDMS for upload/download of all construction-related documentation.

6. Shop Drawing/Submittal Review

6.1. Review shop drawings/submittals for conformance with the project plans and specifications and provide responses within 14 calendar days. For the purposes of this scope, assume review effort will include the original submittal and 50% resubmittals.

- **Ardurra to review 30 shop drawings/submittals for civil, process mechanical, and coordination with other disciplines, as required**

- **GAI to review 20 shop drawings/submittals for Electrical & IC for conformance with original design**
 - **BGE to review 25 shop drawings/submittals for piping,**
 - **RW Harden to review five shop drawings/submittals for pump and motor equipment, and coordination with other disciplines, as required**
 - **Chapman to review up to five shop drawing/submittal for cathodic protection for conformance with original design**
7. Request for Information (RFIs)
- 7.1. Review Contractor requests for information consisting of questions or concerns that may arise during construction and respond within five calendar days.
- **Ardurra will review up to 16 RFIs**
 - **GAI will review up to 16 RFIs**
 - **BGE will review up to eight RFIs**
 - **RW Harden will review up to two RFIs**
 - **Chapman will review up to two RFIs for the CP system**
8. Request for Proposals (RFPs) and Change Orders (COs)
- 8.1. Coordinate with CM&I to prepare a description of proposed Modifications for RFPs and COs. CM&I will issue each RFP form to Contractor through the EDMS.
- **Ardurra to coordinate and prepare descriptions for four RFPs**
 - **GAI to coordinate and prepare descriptions for two RFPs**
 - **BGE to coordinate and prepare descriptions for two RFPs**
- 8.2. Coordinate with CM&I for review and response to RFPs and provide recommendations to the Owner's Representative for consideration.
- **Ardurra to coordinate review and response to four RFPs**
 - **GAI to coordinate review and response to two RFPs**
 - **BGE to coordinate review and response to two RFPs**
- 8.3. Review Change Orders prepared by the CM&I team.
- **Ardurra to review two COs**
 - **GAI to review two CO**
 - **BGE to review two COs**
9. Substantial/Final Completion Walk-Throughs
- 9.1. Consultant to conduct substantial completion walk-through(s)/inspection(s), coordinated by the CM&I. After considering any objections from Owner's Representative, if the Consultant considers the work substantially complete, Consultant will submit a Substantial Completion punch list and letter to the Owner's Representative.
- **Ardurra engineers to perform two substantial completion walk-throughs**
 - **GAI engineers to perform two substantial completion walk-throughs**
 - **BGE engineers to perform one substantial completion walk-through**
 - **RW Harden engineers to perform one substantial completion walk-through**
 - **Chapman personnel will perform one substantial completion walk-through**
- 9.2. Consultant to conduct one final completion walk-through/inspection (coordinated by the CM&I) to determine if the completed work of Contractor is acceptable to both the Owner's Representative and Consultant so that Consultant may recommend, in writing, the final payment to the Contractor.
- **Ardurra engineers to perform one final completion of work walk-through**
 - **GAI Electrical & IC engineers to perform one final completion of work walk-through**
 - **BGE engineers to perform one final completion of work walk-through**

- **RW Harden engineers to perform one final completion of workwalk-through**
- **Chapman Personnel will perform one final completion of workwalk-through**

10. Record Drawings

10.1. Consultant will prepare Contract Record Drawings using the marked up red lines drawings provided by the Contractor during construction. Record drawing information will be based solely on the provided red line drawings and appropriate field documentation received from the Consultant and the CM&I group during construction site visits. Items associated with this work include:

- 10.1.1. Prepare final Change Order (over and unders) recapitulation of the Project in conjunction with the final pay request
- 10.1.2. Prepare Record Drawings of the constructed project based on change order revisions and as built information provided by the contractor. The RWI team will provide a Draft Record Drawing submittal and a Final Record Drawing submittal. The RWI team will coordinate with the CM&I group to accomplish this with a maximum of two submittals.
- 10.1.3. Provide the Owner's Representative with one set of Record Drawings in .pdf and .dwg electronic format.
- 10.1.4. Provide the Owner's Representative with the DWG file with the reference state plan coordinate system for use by ARWA.

11. Supplemental

11.1. Start-up and Commissioning Assistance

- 11.1.1. Engineering Staff to be on-site and available for providing engineering support to CM&I for start-up and commissioning.
 - **Ardurra staff to be on-site for five days**
 - **GAI staff to be on-site for five days**
 - **BGE staff to be on-site for one day**
 - **RW Harden staff to be on-site for three days**
 - **Chapman technician be on-site for two days to observe the cathodic protection rectifier installation, energize the system, and perform "Tap" setting adjustments**

11.2. Factory Performance and Off-Site Tests will be witnessed at the supplier's place of business for the following equipment:

- **GAI will attend factory witness for a total of four eight-hour days, including travel.**
- 11.2.1. Well Pump and Motor Systems for the four wells.
 - **Ardurra process mechanical engineer to attend for two days, including expenses**

11.3. Specialty Observations

- **Ardurra will perform 5 specialty observations**
- **GAI will perform 6 specialty site observations for Electrical & IC installation**
- **BGE will perform 3 specialty observations**
- **Chapman will perform specialty observations as follows:**
 - **One visit to check piping corrosion protection quality and defects**
 - **One visit to observe test station installation**
 - **One visit to observe pipe joint bonding and coating repairs**

Specialty observations will be limited to spot checking, selective measurement, and similar methods of general observation for observation of equipment requiring additional observations beyond the monthly observations. This includes well motor/pump systems, surge suppression systems, generator and structures. Based on information obtained

during specialty observations, Consultant will evaluate whether Contractor's work is in accordance with the Contract Documents, and Consultant will keep Client informed of the progress of the work. Consultant is not required to make exhaustive or continuous inspections to check the quality or quantity of the Work. In this effort, Consultant will endeavor to protect the Owner against defects and deficiencies in the work of Contractor and will report any observed deficiencies to CM&I. Consultant's visits and observations are subject to the limitations on Consultant's authority and responsibility described in the General Conditions.

Consultant will not supervise, direct, or have control over Contractor's work, nor shall Consultant have authority to stop the Work or have responsibility for the means, methods, techniques, equipment choice and usage, schedules, or procedures of construction selected by Contractor, for safety programs incident to Contractor's work, or for any failure of Contractor to comply with any laws. Consultant does not guarantee the performance of any Contractor and has no responsibility for Contractor's failure to perform its work in accordance with the Contract Documents. Consultant is to inform the CM&I of issues or concerns and CM&I is to work with Contractor to address these issues or concerns.

11.3.1. Specialty observation reports will be prepared and provided to the CM&I team via the CM&I Electronic Document Management System (EDMS) within 48 hours of each site visit.

11.3.2. Notify CM&I team of inconsistencies with observed work with respect to Contract Documents.

11.4. General Construction Phase Services, which may include:

11.4.1. Additional site visits

- **Ardurra to provide up to five additional site visits**
- **GAI to provide up to five additional site visits**
- **BGE to provide up to one additional site visit**
- **RW Harden to provide one additional site visit**
- **Chapman to provide up to two additional site visits**

11.4.2. Providing services to review or evaluate Contractor claims that are not due to causes within the control of Consultant.

- **Ardurra to review or evaluate three contractor claims**
- **GAI to review or evaluate three contractor claims**
- **BGE to review or evaluate three contractor claims**
- **RW Harden to review or evaluate three contractor claims**

11.5. Attend additional meetings in the vicinity of the project (five meetings)

- **Ardurra to attend five additional meetings**
- **GAI to attend five additional meetings**
- **BGE to attend two additional meetings**
- **RW Harden to attend one additional meeting**

11.6. Corrosion Investigation, Data Collection and Design Support

11.6.1. Chapman will provide one engineer and two technicians to identify, catalogue, and document survey test points following Commissioning of the CP system. This will include performing and recording baseline potential measurements at selected test locations prior to permanently energizing the CP system.

- **Ardurra to provide support and coordination**
- 11.7. Post Construction Corrosion Services
- 11.7.1. **Chapman will provide two technicians to perform a facility CP survey of previously identified test locations after sufficient time has been allowed for polarization of the protected structures.**
- **Ardurra to provide support and coordination**
- 11.8. Geotechnical Review of Subsurface and Physical Site Conditions
- 11.8.1. Geotechnical Review and Construction Services
- **HVJ to perform up to two site visits during construction to confirm site conditions are consistent with geotechnical investigation recommendations and to provide any further recommendations as needed.**
 - **Ardurra to provide support and coordination**
- 11.9. One Pre-submittal workshop/coordination meeting or conference call for each of the following specialty equipment:
- 11.9.1. Well Pump and Motor System
- 11.9.2. Power Factor Correction system components
- **Ardurra will attend one pre-submittal workshop/coordination meetings or conference calls as outlined above**
 - **GAI will attend two pre-submittal workshop/coordination meetings or conference calls as outlined above**
- 11.10. On-site Witness Testing
- 11.10.1. IC demonstration tests to be witnessed, including travel time. All tests will be at the project site.
- **GAI to send IC engineer for three days**
- 11.10.2. Well Pump and Motor systems tests to be witnessed with all tests at the project site.
- **Ardurra to send engineer for four days, includes travel time**
 - **RWH to send engineer for three-one day visits**
- 11.11. Alternatives and Substitutions
- 11.11.1. Review of alternatives and substitutions proposed by Contractor. Recommend acceptance or rejection of the request for substitutions.
- **Ardurra review of four alternatives and four substitutions**
 - **GAI review of three alternatives and three substitutions**
 - **BGE review of two alternatives and three substitutions**
 - **RW Harden review of one alternative and one substitution**
 - **Chapman to perform review of alternatives and substitutions for CP system**
- 11.12. Program Engineer SCADA Programming Coordination
- **Ardurra & GAI to provide review, input, coordination, meeting attendance, and recommendations for SCADA Program Engineer, as required.**
- 11.13. Surge analysis construction phase service
- **Hazen Sawyer to rerun model for potential field changes and make recommendations for additional or alternate surge protection measures.**
 - **Field visit and observation report**

ASSUMPTIONS

1. Scopes provided assume CM&I or Client Representative will be responsible for logging and tracking of all submittals, RFI's, and COs.
2. CM&I is responsible for reviewing monthly construction pay applications and making recommendations for payment
3. CM&I is responsible for reviewing monthly construction schedules and confirming compliance with Contract dates and key milestones
4. CM&I is responsible for reviewing monthly as-builts provided by Contractor.
5. Engineer is not responsible for safety beyond what is covered and required in the Project Management Plan. The engineers and design staff are not responsible for the safety of others.
6. The construction period will last 26 months, beginning from Notice to Proceed.
7. The Construction phase will follow the recommendations of the Program Project Management Plan dated October 2019.
8. The project will be constructed under one contract.
9. The CM&I will provide a field office structure with furniture for engineering staff during site visits and meetings.
10. Monthly construction progress meetings will be attended at the project site.
 - a. Ardurra will have two persons attend each meeting.
 - b. GAI will have one person attend each meeting.
 - c. BGE will have one person attend each meeting.
 - d. RW Harden will have one person attend each meeting.
 - e. Chapman will have one person attend each meeting.
11. Monthly site visits will be completed at the project site (will concurrently with the construction progress meetings)
 - a. Ardurra will have two persons attend each site visit.
 - b. GAI will have one person attend each site visit.
 - c. BGE will have one person attend each site visit.
 - d. RW Harden will have one person attend each site visit.
 - e. Chapman will have one person attend each site visit.
12. Submittals include shop drawings, O&M submittals, and samples.
13. Plan of operations for startup and operation of the facility will be provided by the CM&I or Client's representative.
14. Operations and Maintenance Manual addressing all new facilities and systems will be provided by the CM&I or Client's representative.
15. Any labor expenses required to address construction claims, unforeseen subsurface considerations, or additional construction requested by the Contractor or Owner will constitute a change of scope and will be additional costs based on a revised labor rate schedule.
16. Any claims resolution or litigation assistance requested of the engineer will constitute a change of scope and will be additional costs based on a revised labor rate schedule.
17. Classroom and field training for plant staff is not included in the scope of services.
18. Operations assistance beyond what is specifically provided has not been included in the scope of services.
19. Warranty inspections and facility performance review/inspections have not been included in the scope of services.
20. This agreement only includes scope and fee for construction administration and construction

engineering services for the RWI portion of the project.

II. Fees

See the attached level of effort man hour breakdown

III. Terms and Conditions

The terms and conditions of service are in accordance with Master Agreement executed between Alliance Regional Water Authority and LNV on May 25, 2016.

Alliance Water Phase 1B Program																	Project Fee Summary (HNTE)	
Raw Water Infrastructure Construction Services -																	Basic Effort HNTE	\$ 210,345
5/10/2021																	Supplemental HNTE	\$ 136,965
Detailed Overall Consultant Cost Breakdown																	Total Effort HNTE	\$ 347,310

Task	Employee	Marcus Naiser	Tye Jordan	Amol Sawhney / Daniel Monroe	John Fellingham / Samerigo	Abby Shelton	[Consultant] Total Hours	[Consultant] Total Labor Effort	[Consultant] Total Expense Effort	BGE	Chapman Engineering	GAI	RW Harden	HVJ	Hazen Sawyer	Total Sub Effort	Total Effort	Assumptions								
		Principle	PM II	ENG II	ENG II	Clerical																				
Hourly Bill Rate		\$260.00	\$220.00	\$130.00	\$130.00	\$75.00																				
Basic Services																										
Task 1 - Project Management		0	32	29	0	0	61	\$ 10,810	\$ -	\$ 980	\$ 1,755	\$ 4,825	\$ 3,010	\$ -	\$ -	\$ 10,570	\$ 21,380									
1.1	Prepare 12 Invoice Packets (Summary Reports, Invoices)		12	24			36	\$ 5,760									\$ 5,760									
1.2	Prepare, Update and Submit Permit Log (26 updates)		15				15	\$ 3,300									\$ 3,300									
1.3	Meetings																									
1.3.1	1 Quality Control Audit		5	5			10	\$ 1,750									\$ 1,750									
Task 2 - Regulatory Agency Coordination		1	11	0	0	0	12	\$ 2,680	\$ -	\$ 660	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 660	\$ 3,340									
2.0	Regulatory Agency Coordination and Permits (one one-hour virtual meeting or phone conference)	1	11				12	\$ 2,680									\$ 2,680									
Task 3 - Public Utility Coordination		0	2	0	0	0	2	\$ 440	\$ -	\$ -	\$ -	\$ 867	\$ -	\$ -	\$ -	\$ 867	\$ 1,307									
3.0	Public Utility Coordination (two one-hour virtual meetings or phone conferences each)		2				2	\$ 440									\$ 440									
Task 4 - Construction Site Visits and Progress Meetings		0	64	4	0	0	68	\$ 14,600	\$ -	\$ 2,620	\$ 4,725	\$ 16,372	\$ 9,150	\$ -	\$ -	\$ 32,867	\$ 47,467									
4.1	Pre-Construction Meetings (1 Project and 1 County)		4	4			8	\$ 1,400									\$ 1,400									
4.2	Monthly Site Construction Progress Meetings and Observations (12 total)		60				60	\$ 13,200									\$ 13,200									
Task 5 - Construction Coordination		4	23	15	0	35	77	\$ 10,675	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,675									
5.1	Coordination with Owner's Rep and CM&I Group to Facilitate Project Admin	3	12			2	17	\$ 3,570									\$ 3,570									
5.2	Attend 5 meetings related to quality issues during construction	1	3	5		1	10	\$ 1,645									\$ 1,645									
5.3	Utilize EDMS for upload/download of all construction-related documentation		8	10		32	50	\$ 5,460									\$ 5,460									
Task 6 - Shop Drawing/Submittal Review		0	16	48	0	0	64	\$ 9,760	\$ -	\$ 7,085	\$ 4,910	\$ 12,036	\$ 2,180	\$ -	\$ 3,450	\$ 29,661	\$ 39,421									
6.1	Review 30 shop drawings/submittals and provide responses within 14 calendar days (assume review effort will include the original submittal and 50% resubmittals)		16	48			64	\$ 9,760									\$ 9,760									
Task 7 - Request for Information (RFIs)		0	12	55	0	0	67	\$ 9,790	\$ -	\$ 5,440	\$ -	\$ 6,610	\$ 2,340	\$ -	\$ 3,010	\$ 17,400	\$ 27,190									
7.1	Review 16 Contractor RFIs		12	55			67	\$ 9,790									\$ 9,790									
Task 8 - Request for Proposals (RFPs) and Change Orders (COs)		0	6	26	0	0	19	\$ 4,700	\$ -	\$ 5,020	\$ 660	\$ 8,038	\$ -	\$ -	\$ -	\$ 13,718	\$ 18,418									
8.1	Coordinate with CM&I to prepare a description of proposed Modifications for 4 RFPs		2	11			13	\$ 1,870									\$ 1,870									
8.2	Coordinate with CM&I for review and response to 4 RFPs and provide recommendations to the Owner's Representative for consideration.		2	11				\$ 1,870									\$ 1,870									
8.3	Review 2 Change Orders prepared by the CM&I team.		2	4			6	\$ 960									\$ 960									
Task 9 - Substantial/Final Completion Walk-Throughs		0	12	18	0	3	33	\$ 5,205	\$ -	\$ 2,504	\$ 2,700	\$ 4,190	\$ 2,540	\$ -	\$ -	\$ 11,934	\$ 17,139									
9.1	Conduct two (2) substantial completion walk-throughs/inspections, coordinated by the CM&I. Submit a Substantial Completion punch list and letter to the Owner's Representative, once work is considered substantially complete.		6	12		2	20	\$ 3,030									\$ 3,030									
9.2	Conduct one (1) final completion walk-through/inspection (coordinated by the CM&I). Once deemed complete, recommend, in writing, the final payment to the Contractor.		6	6		1	13	\$ 2,175									\$ 2,175									
Task 10 - Record Drawings		0	0	0	75	0	75	\$ 9,750	\$ -	\$ 7,670	\$ 2,100	\$ 4,488	\$ -	\$ -	\$ -	\$ 14,258	\$ 24,008									
10.1	Prepare Contract Record Drawings using the marked up red lines drawings provided by the Contractor during construction and appropriate field documentation received from the Consultant and the CM&I group during construction site visits.				42	0	42	\$ 5,460									\$ 5,460									
10.1.1	Prepare final Change Order (over and unders) recapitulation of the Project in conjunction with the final pay request				11	0	11	\$ 1,430									\$ 1,430									
10.1.2	Prepare draft and final record drawing sets of the constructed project based on change order revisions and as built information provided by the contractor.				14	0	14	\$ 1,820									\$ 1,820									
10.1.3	One (1) set of Record Drawings in .pdf and .dwg electronic format.				4		4	\$ 520									\$ 520									
10.1.4	DWG file with the reference state plan coordinate system for use by ARWA				4		4	\$ 520									\$ 520									
Basic Services Total:								\$ 78,410	\$ -	\$ 31,979	\$ 16,850	\$ 57,426	\$ 19,220	\$ -	\$ 6,460	\$ 131,935	\$ 210,345									
Supplemental Services																										
Task 11 - Supplemental		12	109	70	17	2	210	\$ 38,560	\$ -	\$ 19,110	\$ 9,588	\$ 40,373	\$ 20,955	\$ 1,630	\$ 6,750	\$ 98,405	\$ 136,965									
11.1	Start-up and Commissioning Assistance (5 days)		4	13	17		34	\$ 4,780		\$ 3,034	\$ 1,989	\$ 5,741	\$ 3,010			\$ 13,773	\$ 18,553									
11.2	Factory Performance and Off-Site Tests	4	10				14	\$ 3,240			\$ 5,611					\$ 5,611	\$ 8,851									
11.3	Specialty Observations (5 total)	4	25				29	\$ 6,540	\$ 3,030	\$ 1,804	\$ 6,356					\$ 11,190	\$ 17,730									
11.4	General Construction Phase Services						0	\$ -	\$ 8,934							\$ 8,934	\$ 8,934									
11.4.1	5 Additional Site Visits		4	8			12	\$ 1,920			\$ 5,363	\$ 3,320				\$ 8,683	\$ 10,603									
11.4.2	Providing services to review or evaluate 3 Contractor claims that are not due to causes within the control of Consultant.	2	8				10	\$ 2,280			\$ 1,415	\$ 4,050				\$ 5,465	\$ 7,745									
11.5	Attend additional meetings in the vicinity of the project (5 meetings)		10				10	\$ 2,200	\$ 1,517		\$ 5,363	\$ 2,070				\$ 8,950	\$ 11,150									
11.6	Corrosion Investigation, Data Collection and Design Support		2	1			3	\$ 570		\$ 4,643						\$ 4,643	\$ 5,213									
11.7	Post Construction Corrosion Services		1				1	\$ 220		\$ 1,153						\$ 1,153	\$ 1,373									
11.8	Geotechnical Review of Subsurface and Physical Site Conditions (2 occurrences)		1				1	\$ 220					\$ 1,630			\$ 1,630	\$ 1,850									
11.9	One Pre-submittal workshop/coordination meeting or conference cal		5				5	\$ 1,100			\$ 613					\$ 613	\$ 1,713									
11.10	On-site Witness Testing		12	20			32	\$ 5,240			\$ 2,960	\$ 6,975				\$ 9,935	\$ 15,175									
11.11	Alternatives and Substitutions		12	28			40	\$ 6,280	\$ 2,595		\$ 1,401	\$ 1,330				\$ 5,326	\$ 11,606									
11.12	Program Engineer SCADA Programming Coordination	2	15			2	19	\$ 3,970			\$ 5,550	\$ 200				\$ 5,750	\$ 9,720									
11.13	Surge analysis construction phase service						0	\$ -	\$ -						\$ 6,750	\$ 6,750	\$ 6,750									
Total Hours by Role:								17	287	265	92	40						\$ 116,970	\$ -	\$ 51,089	\$ 26,438	\$ 97,799	\$ 40,175	\$ 1,630	\$ 13,210	\$ 347,310

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, May 12th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 334 427 00#

- F.4** Discussion and possible recommendation to the Board to approve a Work Order with Pape-Dawson Engineers, Inc. for Construction Management and Inspection Services on the Authority's Phase 1B Program. ~ *Graham Moore, P.E., Executive Director*
-

Background/Information

Staff is working on the Construction Management and Inspection Services work order through the remainder of 2021 for the Phase 1B Program. The proposal will be provided to the Committee prior to the Technical Committee Meeting.

Technical Committee Decision Needed:

Possible recommendation to the Board.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, May 12th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 334 427 00#

- F.5** Discussion and possible action to authorize the Executive Director to enter into an agreement with Walker Bulldozing and Fencing, LLC for Phase 1B Water Treatment Plant Internal Fencing in an amount of \$21,000.00. ~ *Graham Moore, P.E., Executive Director*
-

Background/Information

The current Water Treatment Plant property has several internal fences that are utilized to separate the property into separate areas to be utilized as cattle grazing fields and hay growth areas. With the construction of the water treatment plant facilities, some of these fences will be demolished and there will no longer be a way to separate the various fields. The proposed project would re-establish the divisions while accounting for the water treatment facilities.

Chris Walker, the owner of Walker Bulldozing & Fencing, LLC, holds the agricultural lease on the project and as such has already performed some fence work on the property and is scheduled to provide additional work as a result of the lease renewal that was agreed upon last December.

The proposed fence would consist of approximately 5,500 feet of five strand barbed wire and 16-foot galvanized gates at critical locations in the property. In addition to re-establishing the various divisions in the property, the barbed wire fence would also serve to keep the cattle away from the required chain link fence that will surround the treatment facility itself. The chain link fence is included as part of the construction of the water treatment plant property.

The goal would be to complete the barbed wire fence work prior to the mobilization of the Water Treatment Plant Contractor.

Executive Director Recommendation(s)

- The Executive Director recommends approval of the contract with Walker Bulldozing and Fencing, LLC.

Attachment(s)

- Construction Contract with Walker Bulldozing & Fencing, LLC for the Phase 1B Water Treatment Plant Internal Fencing project dated May 12, 2021.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, May 12th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 334 427 00#

Technical Committee Decision Needed:

- Possible approval of an agreement with Walker Bulldozing and Fencing, LLC for internal fence work at the Water Treatment Plant in an amount of \$21,000 and authorizing the Executive Director to execute the agreement.



ALLIANCE WATER

Construction Contract

Owner: Alliance Regional Water Authority, 630 E. Hopkins Street, San Marcos, TX 78666

Contractor: Walker Bulldozing & Fencing, LLC


Project: Phase 1B Water Treatment Plant Internal Fencing

Date: May 12, 2021

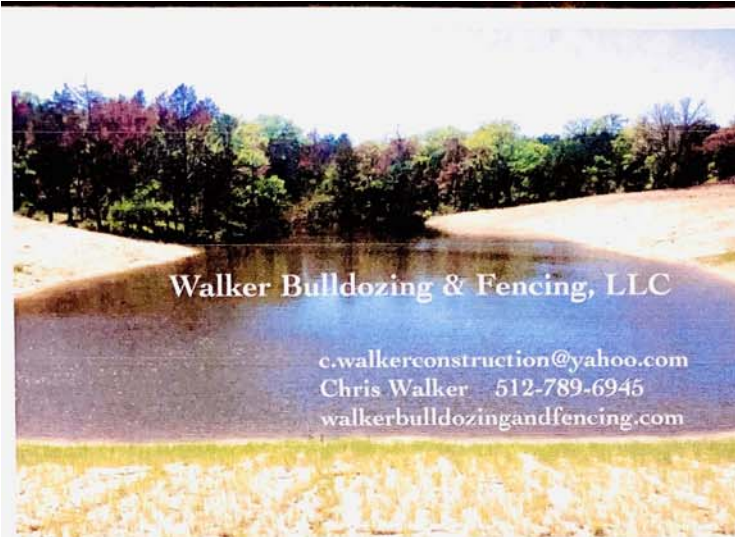
This Contract is between the Owner and the Contractor for the construction of the Project. In consideration of the mutual covenants contained in this Contract, the Contractor agrees to construct the Project, and the Owner agrees to pay the Contractor the sum of \$ 21,000.00 (the "Contract Amount"), payable as follows: In a lump sum within 15 days of satisfactory completion of the Project. The Contractor agrees to fully complete the Project no later than July 31, 2021.

This Contract includes all of the following attached documents:

1. Contractor's Proposal – Attachment A
2. Standard Contract Terms – Attachment B
3. Insurance Requirements – Attachment C

Alliance Regional Water Authority	Walker Bulldozing & Fencing, LLC
	
Signature	Signature
Graham Moore, Executive Director	Chris Walker - Owner
Printed name, title	Printed name, title
	Chris Walker
Date	Date 5/6/21

Attachment A – Contractor's Proposal



May 2, 2020

Alliance Water Plant Fencing Project

Five strand barbed wire fence
5500 feet at \$2.50 per linear foot
(9) 16' galvanized gates
11 pipe braces
1 day of bulldozing
(4) 16' cattle panels
All new materials and labor

Total- \$21,000

DEMO EX. 12" CULVERT

DEMO EX. WATER SERVICE
BACK TO FENCE & CAP

END DEMO
EX. WOLF RUN ROAD



DEMO EX. FENCE
REMOVE EX. GATE &
ENCE. RELOCATE GATE.

REMOVE AND RELOCATE EX. CVTC
TELECOMMUNICATIONS LINE
(SEE NOTE 2)

DEMO EX. FENCE

END DEMO EX. FENCE

EX. FENCE, RELOCATE
NEEN PROPOSED FENCE
END OF EX. FENCE. LOC

DEMO EX. FENCE & GATE

EX HOUSE & BARN
TO REMAIN

DEMO EX. GRAVEL ENTRANCE DRIVE

EX. AWNING & FENCE
TO REMAIN

EX. METAL BARN
TO REMAIN

END DEMO EX. FENCE & GATE
20' EITHER SIDE OF DRIVE

DEMO EX. OVERHEAD ELECTRICAL
LINES, POLES, AND GUY WIRES
FROM HOUSE BACK TO SH 304
(SEE NOTE 1)

16' gate

0290

3240

16' GATE

END DEMO EX.
FENCE. CONNECT TO
PR. FENCE

END DEMO EX.
FENCE. CONNECT TO
PR. FENCE

INSTALL DOUBLE 16' GATE
AT PIPELINE CROSSING

TREE TO BE REMOVED
ON PRIVATE PROPERTY
(TYP)

DEMO EX. FENCE

20' POST OAK

10' POST OAK

19.5' POST OAK

EX. BARN
TO REMAIN

18' CEDAR

18' POST OAK

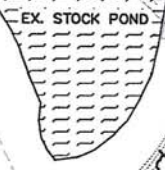
17.5' POST OAK

22.5' POST OAK

19.5' POST OAK

DOUBLE
16' GATE X2

DOUBLE 16'



EX. STOCK POND

EX. STOCK POND

END DEMO EX. FENCE

46



ALL WA
ARW AND R

THIS
RELEASED
OF THE
PROJECT
ON THE
DATE SHOWN
HEREIN.

**Attachment B - Alliance Regional Water Authority
Standard Contract Terms**

1. The Contractor will provide all labor, equipment, tools, materials, supplies, supervision, and other items or services necessary to complete the Project.
2. The Contractor will perform all work on the Project in a good and workmanlike manner and in accordance with all applicable codes and standards. The Contractor is responsible for producing a final product that is fully functional and fit for its intended purposes. The Owner will be the sole judge of the acceptability of all work performed under this Contract.
3. The Contractor is solely responsible for, and the Owner will not control, the means, methods and sequences of construction used by the Contractor in performing the work. The Contractor is an independent contractor, and not an agent or co-venturer with the Owner regarding the Project.
4. The Contractor agrees that any change to the Project that increases or decreases the Contract Amount or extends the date for Project completion must be authorized by the Owner in writing.
5. Alliance Water will provide reasonable access to allow the Contractor to enter the site of the Project as necessary to perform work on the Project.
6. At all times while this Contract is in effect, the Contractor will maintain insurance coverage in at least the amounts described in the attached **Attachment C**.
7. The Contractor will indemnify, hold harmless and defend the Owner and its employees, agents, officers and servants from any and all lawsuits, claims, demands and causes of action of any kind arising from the negligent or intentional acts or omissions of the Contractor, its officers, employees, subcontractors or agents.
8. The Contractor will comply with applicable employment laws prohibiting discrimination based on race, color, religion, sex, national origin, age, or disability.
9. The Contractor will comply with all local, state and federal laws in performing work under this Contract.
10. This Contract, including all attachments, constitutes the entire agreement between the Owner and the Contractor on this subject and supersedes all other communications, whether oral or written, between the parties. This Contract may be amended only by a written amendment that is approved and executed by both parties.
11. The Contractor acknowledges that the Owner is exempt from sales and use taxes under State law.
13. This Contract will be governed by the laws of the State of Texas. Exclusive venue for any legal dispute arising under this Contract will be in Hays County, Texas. The Owner's execution of and performance under this Contract will not act as a waiver of any immunity of the Owner to suit or liability under applicable law. The parties acknowledge that the Owner is a governmental entity acting in a governmental capacity.
14. This Contract represents the entire and integrated agreement between the Owner and the Contractor and supersedes all prior negotiations, representations or agreements, either written or oral. This Contract may be amended only by written instrument signed by both Owner and Contractor.
15. The Owner may terminate this Contract upon breach of its terms by the Contractor. Any such termination will not waive or preclude any other remedies the Owner may have against the Contractor. The Owner may terminate this Contract at will upon at least five calendar days' written notice to the Contractor.
16. The term of this Contract begins on the date established in the first paragraph of this Contract, and ends upon acceptance by the Owner of the completed services required under this Contract.
17. The waiver or deferral by the Owner to enforce any provision of this Contract on one or more occasions will not be deemed as a waiver of the right thereafter to strictly enforce this Contract.

Attachment C
Alliance Regional Water Authority Insurance Requirements

Commercial General Liability (including Contractual Liability):

Bodily Injury: \$250,000.00

Property Damage: \$100,000.00

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, May 12th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 334 427 00#

- F.6** Discussion of the proposed Authority budget for FY 2021-22; and possible direction to staff. ~ *Graham Moore, P.E., Executive Director*
-

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.

Status of FY 20-21 Budget

Prior to discussing some items related to next year's budget, below is a brief status on the current year's budget:

- Operations & Maintenance Expenditures are projected to be about \$2.13 million which is \$50,000 or 2% below the budgeted amount.
- Capital Expenditures are projected to be about \$40,000 or 27% below the budgeted amount.
- Debt service payments will total \$8,639,620 in FY 2021.
- Operating Revenue is projected to be approximately \$11.1 million which is about \$3,000 below the budgeted amount due to lower than expected interest income.

FY 21-22 Budget

Staff is developing the FY 2021-22 budget. In June the full draft budget will be presented that will include all projected expenditures, including Operations and Maintenance expenditures such as electrical and chemical costs, software licensing, etc.

Staff has prepared the attached presentation to discuss with the Technical Committee the proposed equipment additions in the next year as well as staff additions.

A meeting will be scheduled with the Administrative Committee to discuss the budget.

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, May 12th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 334 427 00#

Staff is seeking input from the Technical Committee on the equipment and projected staffing changes.

Attachment(s)

- 2021-05-12 FY 2021-2022 Budget – Equipment and Staffing Discussion.

Technical Committee Decision Needed:

- Possible direction to Staff.

FY 2021-2022 Budget

Equipment & Staffing Discussion

Technical Committee Meeting

May 12, 2021

2021-2022 Budget Discussion

1. Equipment Additions
2. Staffing

2021-2022 Equipment

2021-2022 Staffing

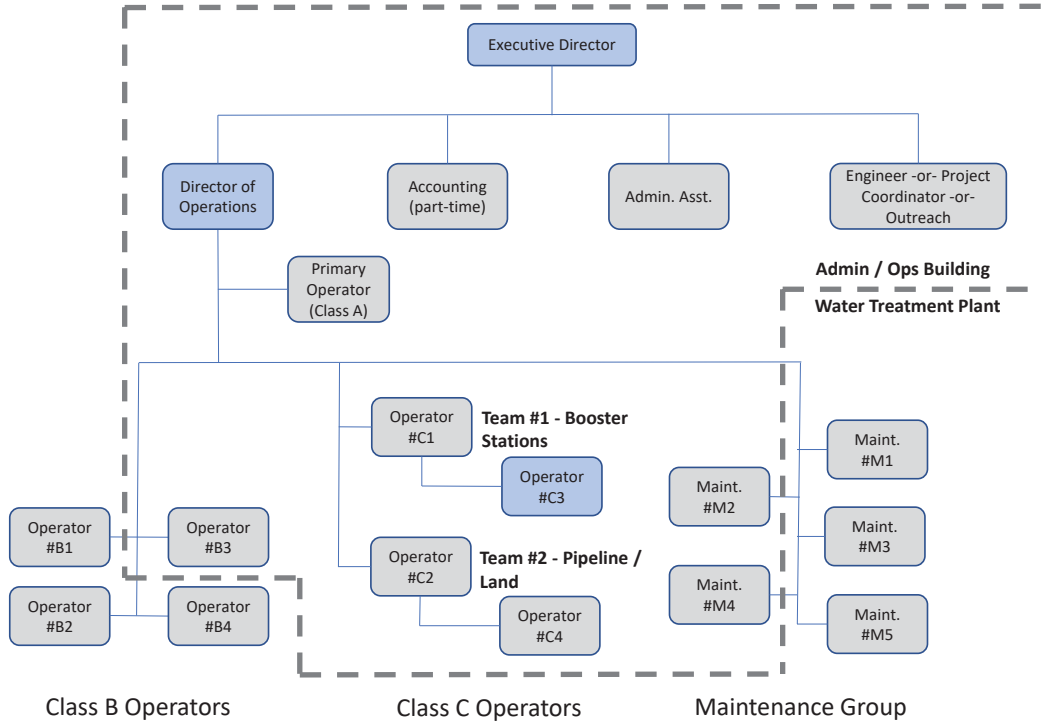
- Staffing assumes ARWA will operate system. If Board ultimately chooses to out-source operations, then operational positions will go unfilled.

Add the Following Staff / Anticipated Hire Date:

- Part-Time Bookkeeper (10/1/2021)
- Two Mid-Level Operators (6/1/2022)
 - Observe system (WTP & Pipelines) during Construction
 - Ultimately Transition Knowledge Gained to Later Staff



Existing 2021 Organizational Chart

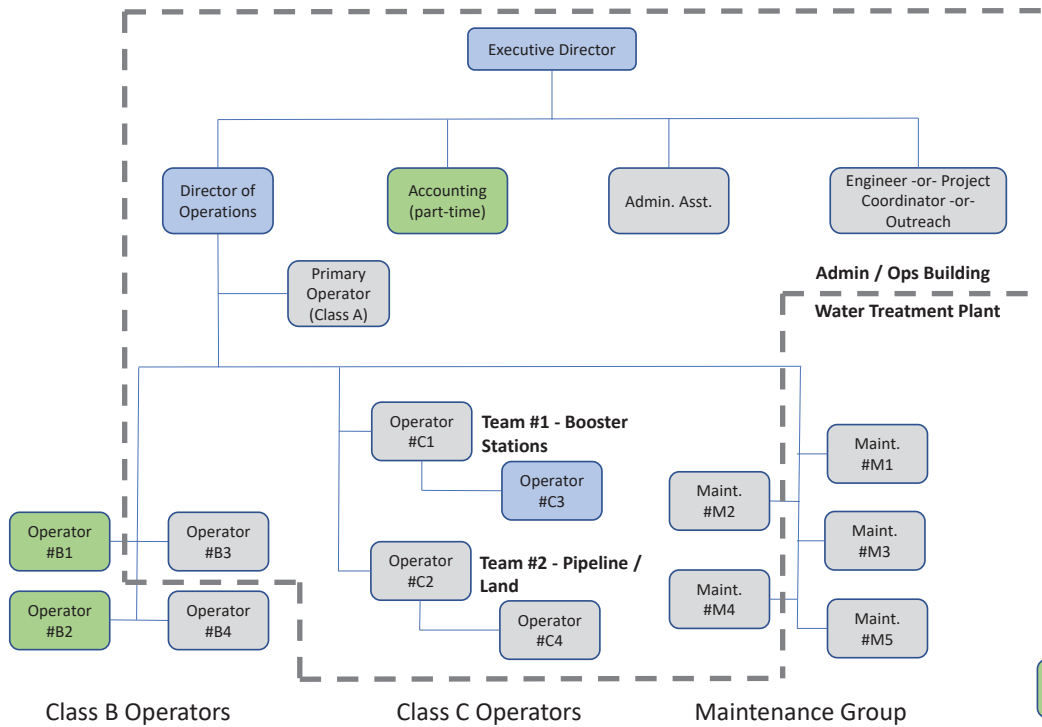


2021-05-08

Future Position



Proposed 2022 Organizational Chart



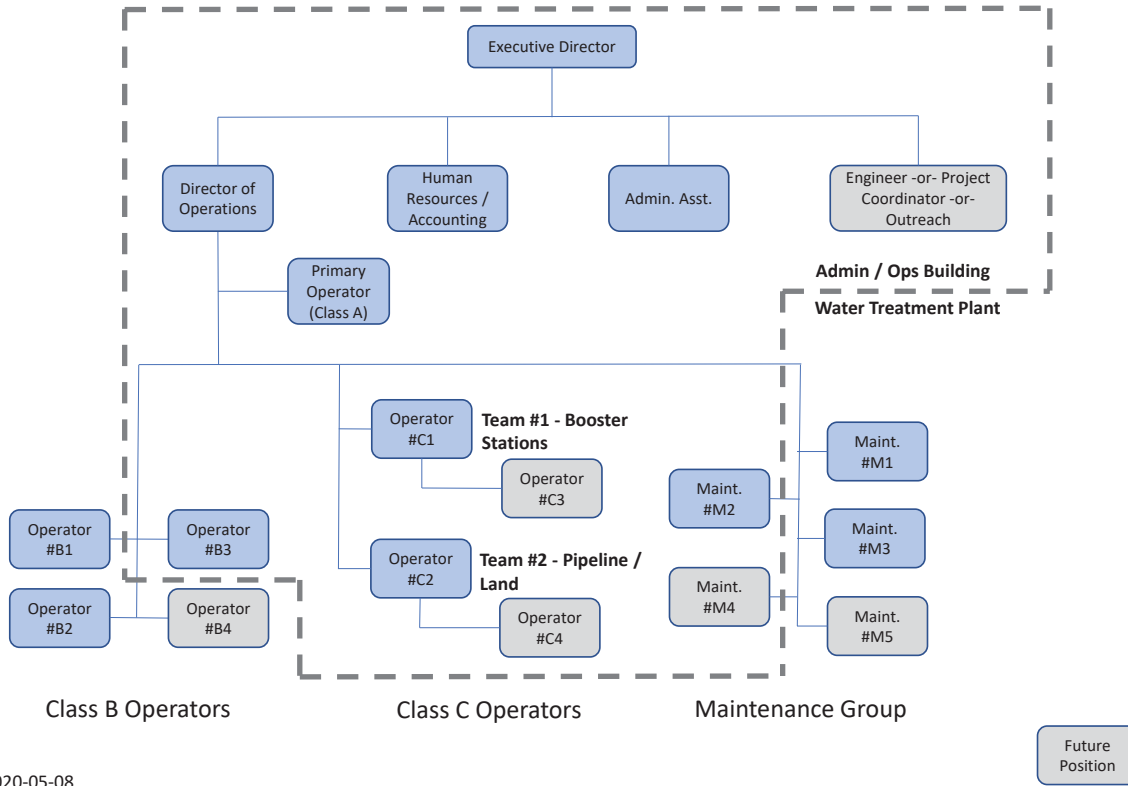
2021-05-08

2022 Hire

Future Position



2024 Organizational Chart



2021-2022 Staffing Budget Impact

Financial Impacts of Added Staff:

- Salary
- FICA
- Insurance
- Retirement
- Other (Licenses, Mileage Reimbursement, etc.)

TOTAL:

\$92,500

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, May 12th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 334 427 00#

F.7 Discussion of legislative issues for the 87th Texas Legislature, and possible direction to Staff. ~ *Graham Moore, P.E., Executive Director*

Background/Information

The 87th Session is moving along quickly. Below are some key dates of interest:

- 5/10: Final Day for House Committee to Report House Bills
- 5/13: Final Day for House to Consider House Bills (non-Local and Consent)
- 5/22: Final Day for House to Report Senate Bills
- 5/31: Sine Die (Last Day of Session)

On the following pages the updated bill list. Since the bill filing deadline has passed, there will not be any new additions to this list.

Attachment(s)

- ARWA Bill Tracking as of 5/6/2021

Technical Committee Decision Needed:

- Possible direction to Staff.

ARWA Bill Tracking – 2021 / 87th Texas Legislature

ARWA – Bills to Support/Oppose (as of 5/06/2021)				
<u>Bill Number</u>	<u>Sponsor</u>	<u>General Information</u>	<u>Committee</u>	<u>ARWA Position</u>
HB 2863	Kuempel	<ul style="list-style-type: none"> • Would allow ARWA, CRWA, San Marcos, Kyle and Buda to due ASR in saline zone of EAA • 4/13: Heard in Committee 	Natural Resources	Support
HB 666 HB 668 SB 152	Harris Harris Perry	<ul style="list-style-type: none"> • Relating to regulation of groundwater conservation districts • Award of attorney fees is optional • Groundwater rights owner can petition for rule-making • Notice of permit to adjacent landowners • 4/7: Passed Senate • 4/29: Committee substitute for Senate bill approved in House Cmte hearing 	Natural Resource Natural Resources Ag, Water & Rural Affairs	Support
HB 837 SB 830	Lucio III Zaffirini	<ul style="list-style-type: none"> • Requires the PUC to verify the compensation awarded to a utility by the petitioner • 4/16: Passed House • 4/19: Senate bill heard in Cmte • 5/3: House bill referred to Water, Ag & Rural Affairs 	Natural Resources Water, Ag & Rural Affairs	Support
HB 966	Burns	<ul style="list-style-type: none"> • Ch. 36 Water Code amended to change award of attorney's fees from "shall" to "may". 	Natural Resources	Support
HB 1030	Shaheen	<ul style="list-style-type: none"> • Allow publication on entity's website to satisfy any other legal requirement to publish notice in a newspaper 	County Affairs	Support
HB 1089	Reynolds	<ul style="list-style-type: none"> • Increases the tort liability limit for a governmental unit for wrongful acts committed by their employees • 4/14: Pending in Cmte 	Judiciary & Civil Jurisprudence	Oppose
HB 1473 SB 526	Gates Kolkhorst	<ul style="list-style-type: none"> • Require special purpose districts to include a live video stream of each board meeting on the district's website. • 4/19: Passed Senate 	Natural Resources Local Government	Oppose

ARWA Bill Tracking – 2021 / 87th Texas Legislature

HB 1888 SB 1515	Fierro Gutierrez	<ul style="list-style-type: none"> Allows governmental entities to conduct open or closed mtgs via conference call 	State Affairs Business & Commerce	Support
HB 2000	Huberty	<ul style="list-style-type: none"> Creates a fund for increasing reliability of water, electricity, natural gas and broadband utilities administered by the TWDB 4/14: Substitute approved in House Cmte 5/4: Passed House 	State Affairs	Support
HB 2275	Zwiener	<ul style="list-style-type: none"> Create a water resiliency fund for entity's to weatherize water and wastewater facilities. Requires some financial contribution from entities. 4/14: Pending in Cmte 4/29: Substitute approved in House Cmte 	State Affairs	Support
HB 4146 SB 1747	King Zaffirini	<ul style="list-style-type: none"> Restricts TCEQ from issuing discharge permits into certain stream segments; excludes cities and river authorities 4/21: Substitute approved in House Cmte 5/7: On General State Calendar 	Environment Regulation Water, Ag & Rural Affairs	Support with modification
HB 4161 SB 905	Frank Perry	<ul style="list-style-type: none"> Requires TCEQ to develop regulatory guidance on direct potable reuse projects 4/9: Passed Senate 4/14: Senate bill referred to House Natural Resources 5/6: Senate bill passed House Cmte 	Natural Resources Water, Ag & Rural Affairs	Support
SB 307	Eckhardt	<ul style="list-style-type: none"> Prohibits entities other than Local Government Corporation from provide wholesale water across two county lines if they commence operations after September 2021. 	Water, Ag & Rural Affairs	Oppose
SB 724	Schwertner	<ul style="list-style-type: none"> Condemnor is required to pay attorney's fees and other professional fees if special commissioner's award is greater than 20% of condemnor's final offer 	State Affairs	Oppose

ARWA Bill Tracking – 2021 / 87th Texas Legislature

ARWA – Bills Related to Open Meetings / Government (as of 5/06/2021)				
<u>Bill Number</u>	<u>Sponsor</u>	<u>General Information</u>	<u>Committee</u>	<u>ARWA Position</u>
HB 768	Patterson	<ul style="list-style-type: none"> • Extends a requirement to make video and audio of a regular public meeting available on the internet. Requirements match those of school board meetings. • 3/25: Left Pending in Cmte 	County Affairs	Monitor
HB 2560 SB 639	Martinez Menendez	<ul style="list-style-type: none"> • Allows for open meetings to occur via conference call. Has some provisions requiring presiding officer to be at a location open to the public. 	State Affairs Business & Commerce	Monitor
HB 2578	Leach	<ul style="list-style-type: none"> • Requires Comptroller to prepare a website for political subdivision to post all required notices on in lieu of posting in newspapers • 4/8: Left pending in cmte 	State Affairs	Monitor
HB 2683 SB 924	Canales Zaffirini	<ul style="list-style-type: none"> • Allow for open meetings via conference call or virtual meeting. Requires notice of public locations where any Board members are attending. • 4/21: Passed House 	State Affairs Business & Commerce	Monitor
HB 2913 SB 929	Capriglione Zaffirini	<ul style="list-style-type: none"> • Require posting on websites of all contracts entered into for goods or services from private vendors, including selection method 	State Affairs Business & Commerce	Monitor
HB 2928 HB 3410	Jetton Goldman (similar)	<ul style="list-style-type: none"> • Authorizes posting of notice on entity's website in lieu of posting in newspapers 	State Affairs State Affairs	Monitor
SB 526	Kolkhorst	<ul style="list-style-type: none"> • Require live video stream of meetings on website. • 4/19: Passed Senate • 5/6: Committee substitute approved in House Cmte 	Local Government Natural Resources	Monitor
SB 861	Paxton	<ul style="list-style-type: none"> • Expand opportunities for governmental bodies to hold remote meetings and prescribes procedures • 4/9: Committee substitute approved 	Business & Commerce	Monitor

ARWA Bill Tracking – 2021 / 87th Texas Legislature

SB 923	Zaffirini	<ul style="list-style-type: none"> Omnibus open meetings & open government bill. Individual sections are divided into separate bills (SB 925 through SB 929) 	Business & Commerce	Monitor
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ARWA – Bills to Monitor (as of 5/06/2021)

<u>Bill Number</u>	<u>Sponsor</u>	<u>General Information</u>	<u>Committee</u>	<u>ARWA Position</u>
HB 263	Meza	<ul style="list-style-type: none"> Relating to rest breaks for employees of certain contractors with a governmental entity 	State Affairs	Monitor
HB 348	Zwiener	<ul style="list-style-type: none"> Relating to a requirement to make certain environmental and water use permit applications available online 	Natural Resources	Monitor
HB 692 SB 1097	Shine Creighton	<ul style="list-style-type: none"> Relates to retainage requirements for certain public works construction projects 4/6: Substitute approved in House Cmte 5/7: Placed on General State Calendar 4/13: Left pending in Senate Cmte 	State Affairs Business Affairs	Monitor
HB 749 SB 234	Middleton Hall	<ul style="list-style-type: none"> Prohibits political subdivision from spending public funds on lobbyists 3/26: Pending in House Cmte 	State Affairs State Affairs	Monitor
HB 776	Walle	<ul style="list-style-type: none"> Clarifies contract requirements for workers' compensation on construction projects 3/30: Pending in House Cmte 	Business & Industry	Monitor
HB 863	Romero	<ul style="list-style-type: none"> Requires an audit of public work contract to verify compliance with prevailing wage rate requirements 	State Affairs	Monitor
HB 901	Burns	<ul style="list-style-type: none"> Applies to private entities only: Establishes criteria that company must meet to make a bona fide offer and includes some requirements for the conveyance documents 3/30: Scheduled for Hearing 	Land & Resource Mgmt	Monitor
HB 902	Burns	<ul style="list-style-type: none"> Require the AG to establish an ombudsman office to provide info to landowners whose property is being taken by eminent domain. Includes 	Land & Resource Mgmt	Monitor

ARWA Bill Tracking – 2021 / 87th Texas Legislature

		<p>continuing education for ROW agents. Comprehensive changes to the Property Code.</p> <ul style="list-style-type: none"> • 3/30: Pending in House Cmte 		
HB 1130	White	<ul style="list-style-type: none"> • Ch. 251 of Utilities Code is amended to include civil remedies for failure of underground utilities to comply with the Chapter. • 4/14: Left pending in Cmte 	Judiciary & Civil Jurisprudence	Monitor
HB 1336	Pacheco	<ul style="list-style-type: none"> • Requires contractors to comply with E-verify program in order to be eligible for a contract for goods and services. 	State Affairs	Monitor
HB 1435	Lucio III	<ul style="list-style-type: none"> • Changes CCN certification by PUC to authorize a municipal single certification only if the PUC finds the retail public utility is incapable of providing service and to establish compensation. • 3/23: Pending in House Cmte 	Natural Resources	Monitor
HB 1506	Zwiener	<ul style="list-style-type: none"> • Condemnor would gain possession of condemned land if award is deposited within 7 days, otherwise possession would not be gained until 180 days. 	Land & Resource Mgmt	Monitor
HB 1801 SB 1441	Larson Campbell	<ul style="list-style-type: none"> • Allows SAWS to provide Edwards water to military installations without a permit, provided installation reduces their withdrawals by equal amount • 4/19: Passed Senate • 4/21: Senate bill referred to House Natural Resources Cmte • 5/6: Committee Substitute passed House Cmte 	Natural Resources Vet Affairs & Border Security	Monitor
HB 1879	Schofield	<ul style="list-style-type: none"> • Establish actual progress for the purpose of right to repurchase real property from a condemning entity • Increase req't from 2 to 3 of a list of 5 items (previously 7) • 4/6: Pending in House Cmte 	Land & Resource Mgmt	Monitor
HB 2041 SB 721	Leman Schwertner	<ul style="list-style-type: none"> • Requires condemnor to provide updated appraisal prior to special commissioner's hearing • 4/13: Passed House Committee 	Land & Resource Mgmt State Affairs	Monitor

ARWA Bill Tracking – 2021 / 87th Texas Legislature

		<ul style="list-style-type: none"> • 4/20: Passed Senate • 5/6: Passed House 		
HB 2042 SB 723	Leman Schwertner	<ul style="list-style-type: none"> • Would specially allow landowners to refuse to grant condemnor access to property. Recourse would be through a lawsuit. • 4/20: Passed Senate 	Land & Resource Mgmt State Affairs	Monitor
HB 2044 SB 726	Leman Schwertner	<ul style="list-style-type: none"> • Similar to HB 1879 • Keeps the list at 7 items, but does increase number required from 2 to 3 • Substitutes allow water district to complete only 1 of 7 if completing a project in the State Water Plan • 4/13: Substitute Passed House Cmte • 4/20: Passed Senate • 5/6: Passed House 	Land & Resource Mgmt State Affairs	Monitor
HB 2581	Kacal	<ul style="list-style-type: none"> • Requires purchaser to provide a detailed methodology for scoring of criteria utilized to select contractors if any method other than low-bid is utilized. Effective date is 9/1/2021 if it passes. • 4/22: Substitute approved in House Cmte • 5/6: Passed House 	State Affairs	Monitor
HB 2652 SB 1039	Larson Eckhardt	<ul style="list-style-type: none"> • Establishes an advisory board to study surface water and groundwater interaction • 4/8: Substitute approved in House Cmte 	Natural Resources Ag, Water & Rural Affairs	Monitor
HB 2730	Deshotel	<ul style="list-style-type: none"> • Significant changes to eminent domain, including prescribing language to be included in some easements • 3/30: Pending in House Cmte • 5/4: Substitute approved in House Cmte 	Land & Resource Mgmt	Monitor
HB 2762 HB 3059	Rogers Guerra (similar)	<ul style="list-style-type: none"> • Would exclude wholesale water supply facilities from participating in load shedding during a rolling blackout 	State Affairs State Affairs	Monitor
HB 2851	Lucio III	<ul style="list-style-type: none"> • Require GCDs, in the adoption of desired future conditions, to 	Natural Resources	Monitor

ARWA Bill Tracking – 2021 / 87th Texas Legislature

		<p>consider modeled sustainable groundwater pumping as determined by the TWDB</p> <ul style="list-style-type: none"> • 4/27: Scheduled for Hearing • 4/29: Substitute approved in House Cmte 		
HB 3079 SB 997	Larson Nichols	<ul style="list-style-type: none"> • Prescribes procedural requirements for review of rates charged by written contracts. • TWCA Initiated Bill • 4/8: Substitute approved in House Cmte • 4/20: Substitute approved in Senate Cmte • 4/27: Passed Senate • 5/4: Senate bill passed House Cmte without amendment 	Natural Resources Water, Ag & Rural Affairs	Monitor
HB 3084	Larson	<ul style="list-style-type: none"> • Requires the Interregional Planning Council to identify and propose projects for the state water plan that involve multiple planning groups & identify innovative funding • 4/20: Substitute approved in House Cmte • 5/6: Passed House 	Natural Resources	Monitor
HB 3345	Wu	<ul style="list-style-type: none"> • Require posting of audit records on the entity's website • 4/20: Substitute approved in House Cmte 	State Affairs	Monitor
HB 3619 SB 946	Bowers Eckhardt	<ul style="list-style-type: none"> • Requires a GCD to consider effects on exempt wells when considering issuing a new permit; does not apply to renewal of an existing permit. • 4/20: Passed House 	Natural Resources Water, Ag & Rural Affairs	Monitor
HB 3650	Lucio III	<ul style="list-style-type: none"> • Transfers functions related to economic regulation of water and sewer service from PUC to TCEQ • 4/15: Passed House Cmte 	Natural Resources	Monitor
HB 3801 SB 2157	Metcalf Creighton	<ul style="list-style-type: none"> • Addresses requirements for management plan when reasonableness of DFCs has been challenged. • 4/20: Passed House 	Natural Resources Water, Ag & Rural Affairs	Monitor

ARWA Bill Tracking – 2021 / 87th Texas Legislature

HB 3972 SB 1314	King Lucio	<ul style="list-style-type: none"> • Prior to filing a suite against a GCD a person must obtain a surety bond • 4/13: Heard in House Cmte • 5/6: Substitute approved in House Cmte 	Natural Resources Water, Ag & Rural Affairs	Monitor
HB 4147	Larson	<ul style="list-style-type: none"> • Establishes a comprehensive process for PUC to review rates charged for raw and/or wholesale water and sewer services 	Natural Resources	Monitor
SB 423	Hinojosa	<ul style="list-style-type: none"> • Amends Ch 21 of Property Code to allow special commissioners' hearing notices in an eminent domain proceeding in manners as allowed by Texas Rules of Civil Procedure for citation. 	State Affairs	Monitor
SB 722	Schwertner	<ul style="list-style-type: none"> • Condemnor must pay reasonable attorney fees for failing to disclose appraisal reports 	State Affairs	Monitor
SB 724	Schwertner	<ul style="list-style-type: none"> • Condemnor is required to pay attorney's fees and other professional fees if special commissioner's award is greater than 20% of condemnor's final offer 	State Affairs	Oppose
SB 986	Kolkhorst	<ul style="list-style-type: none"> • Significant eminent domain bill – primarily affects private entities. Similar to legislation filed in 86th session. 	State Affairs	Monitor
SB 995	Powell	<ul style="list-style-type: none"> • Establishes a disaster reinvestment and infrastructure planning board and creation of a revolving fund 	Finance	Monitor
SB 1682	Hancock	<ul style="list-style-type: none"> • Relating to the funding of utility reliability projects by the TWDB and other entities 	Ag, Water & Rural Affairs	Monitor

END

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, May 12th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 334 427 00#

- F.8** 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 May 11th – a verbal update will be provided to the Board on any items affecting the Authority.

Plum Creek Conservation District (PCCD)

The PCCD is scheduled to meet on May 18th.

Groundwater Management Area 13

The GMA adopted the draft desired future conditions for all aquifers – they have now been sent to each groundwater district for action and the public hearing process will be triggered. Final approval is anticipated sometime in the summer.

Region L Planning Group

Region L held a meeting on May 6th. There are several vacancies including one for Water Utilities. The group is starting the process for selection of the technical consultant for the next round of planning, the group is expected to make a decision at their August meeting.

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, May 12th, 2021 at 3:00 P.M.

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

Consultant Invoices Paid

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

FY 20-21 CONSULTANT INVOICES PAID IN APRIL 2021

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/Anomalies
LAN - Kyle/Buda Design	\$76,971.62	\$0.00	\$11,147.20	14%	\$65,824.42	
RW Harden	\$30,000.00	\$0.00	\$4,982.31	17%	\$25,017.69	
Tx Solutions Group	\$72,000.00	\$6,000.00	\$42,000.00	58%	\$30,000.00	
BGE - Ph 1A CA	\$7,110.08	\$0.00	\$1,400.30	20%	\$5,709.78	
Kent Alan Sick - ROW Legal	\$45,000.00	\$0.00	\$7,916.40	18%	\$37,083.60	
LNV - GIS Svcs	\$16,693.63	\$0.00	\$13,632.75	82%	\$3,060.88	
Armstrong, Vaughan & Associates, P.C.	\$10,930.00	\$0.00	\$10,930.00	100%	\$0.00	
J.R. Tolles & Associates, Inc.	\$245,000.00	\$18,173.00	\$113,311.00	46%	\$131,689.00	
Lloyd Gosselink Rochelle & Townsend	\$105,000.00	\$14,131.60	\$41,031.10	39%	\$63,968.90	
CD&P - Public Relations	\$35,404.50	\$0.00	\$18,028.43	51%	\$17,376.07	
MLA Labs, Inc. - Segment B	\$6,773.00	\$0.00	\$398.00	6%	\$6,375.00	
HDR - 2021 Rate Study	\$16,125.00	\$0.00	\$16,125.00	100%	\$0.00	
Total	\$667,007.83	\$38,304.60	\$280,902.49		\$386,105.34	

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

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

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

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/ Anomalies
Kimley-Horn Ph 1B Owner's Rep W04	\$1,319,033.52	\$344,709.59	\$1,319,033.52	100%	\$0.00	
Blanton - Environmental	\$875,510.28	\$56,106.00	\$403,406.18	46%	\$472,104.10	
LAN - Segment A Prelim	\$116,364.20	\$0.00	\$0.00	0%	\$116,364.20	
LAN - Segment A Final	\$417,554.89	\$24,755.13	\$269,687.55	65%	\$147,867.34	
KFA - Segment B Prelim	\$13,275.94	\$0.00	\$0.00	0%	\$13,275.94	
KFA - Segment B Final	\$701,928.97	\$95,973.68	\$465,984.27	66%	\$235,944.70	
BGE - Segment C Prelim	\$15,099.24	\$0.00	\$0.00	0%	\$15,099.24	
BGE - Segment C Final	\$2,497,617.09	\$143,335.98	\$1,125,649.62	45%	\$1,371,967.47	
FNI - Segment D Prelim	\$63,533.66	\$0.00	\$0.00	0%	\$63,533.66	
FNI - Segment D Final	\$913,832.64	\$164,855.65	\$621,423.75	68%	\$292,408.89	
Walker - Segment E Prelim	\$58,638.01	\$0.00	\$0.00	0%	\$58,638.01	
Walker - Segment E Final	\$1,040,800.61	\$21,461.70	\$403,595.33	39%	\$637,205.28	
LAN - ROW Acquisition	\$1,601,100.28	\$0.00	\$303,103.85	19%	\$1,297,996.43	
DTR&G	\$522,719.30	\$0.00	\$282,741.99	54%	\$239,977.31	
CBRE - Appraisals	\$1,784,150.00	\$132,220.00	\$414,080.00	23%	\$1,370,070.00	
CP&Y - Survey	\$984,980.00	\$0.00	\$418,608.00	42%	\$566,372.00	
RW Harden - WDH Const Admin	\$358,153.60	\$61,180.00	\$224,884.00	63%	\$133,269.60	
LNV - Rwl	\$247,833.86	\$1,170.00	\$109,023.86	44%	\$138,810.00	
Walker Partners - WTP Final Design	\$1,008,429.16	\$0.00	\$528,804.25	52%	\$479,624.91	
FNI - BPS Prelim	\$4,772.50	\$32,412.65	\$4,772.50	100%	\$0.00	
FNI - BPS Final	\$723,816.63	\$5,690.00	\$503,555.32	70%	\$220,261.31	
Plummer - Inline Elevated Tank	\$42,799.42	\$5,690.00	\$39,069.35	91%	\$3,730.07	
Pape-Dawson - CM&I W0#1	\$16,880.44	\$0.00	\$2,017.53	12%	\$14,862.91	
Pape-Dawson - CM&I W0#2	\$147,500.00	\$7,785.00	\$130,335.00	88%	\$17,165.00	
Pape-Dawson - CM&I W0#3	\$74,460.00	\$0.00	\$71,360.00	96%	\$3,100.00	
Pape-Dawson - CM&I W0#4	\$57,520.00	\$13,715.00	\$31,147.50	54%	\$26,372.50	
Hicks & Co - WDH Environmental	\$15,874.00	\$0.00	\$303.00	2%	\$15,571.00	
Total	\$15,625,451.60	\$1,175,498.35	\$7,926,250.13		\$7,699,201.47	

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, May 12th, 2021 at 3:00 P.M.

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Approved Change Orders

- See below for Change Orders approved in April 2021.

CHANGE ORDERS APPROVED IN APRIL 2021				
Consultant	Original Authorization	Change Orders to Date	Change Order Approved this Month	New Total Contract Amount
Walker Partners: 1B Segment E	\$ 408,755.00	\$ 164,719.00	\$ -	\$ 573,474.00
Black Castle - Phase 1A BPS Construction	\$ 4,999,080.00	\$ 126,180.74	\$ -	\$ 5,125,260.74
Drilling & Hydrogeology	\$ 114,000.00	\$ 31,380.00	\$ -	\$ 145,380.00
Freese & Nichols: 1B BPS & DP Prelim	\$ 771,617.00	\$ 44,408.00	\$ -	\$ 816,025.00
K Friese & Assoc.: 1B Segment B	\$ 565,417.00	\$ 60,095.00	\$ -	\$ 625,512.00
BGE: 1B Segment C Prelim	\$ 614,626.00	\$ 34,430.00	\$ -	\$ 649,056.00
Freese & Nichols: 1B Segment D	\$ 597,714.00	\$ 66,722.00	\$ -	\$ 664,436.00
Walker Partners: 1B WTP (Prelim)	\$ 1,203,606.00	\$ 40,406.00	\$ -	\$ 1,244,012.00
CP&Y: Ph 1B Program Survey	\$ 3,375,780.00	\$ 83,500.00	\$ -	\$ 3,459,280.00
Freese & Nichols: 1B Segment D (Final)	\$ 1,999,464.00	\$ 94,394.70	\$ -	\$ 2,093,858.70
LAN: 1B Segment A Final Design	\$ 1,903,077.00	\$ 196,591.00	\$ 10,000.00	\$ 2,089,668.00
Blanton & Assoc: Environmental Invest.	\$ 1,398,775.00	\$ 150,703.00	\$ -	\$ 1,549,478.00
K Friese & Assoc: 1B Seg B Final Design	\$ 1,830,994.00	\$ 232,955.13	\$ -	\$ 2,063,949.13
LAN: 1A Seg B Const Admin	\$ 108,860.01	\$ 6,204.04	\$ -	\$ 115,064.05
Walker Partners: 1B WTP (Final)	\$ 2,900,402.00	\$ 542,901.00	\$ -	\$ 3,443,303.00
LNV: 1B Raw Water (Design)	\$ 1,418,700.00	\$ 59,597.00	\$ 22,320.00	\$ 1,478,297.00
Walker Partners: 1B Seg E (Final)	\$ 1,190,421.00	\$ 44,561.00	\$ -	\$ 1,234,982.00
JR Tolles: 1A CM&I	\$ 210,000.00	\$ 41,000.00	\$ -	\$ 251,000.00
BGE: 1B Segment C Final	\$ 2,688,310.00	\$ 255,021.00	\$ -	\$ 2,943,331.00
Freese & Nichols: 1B BPS & DP Prelim	\$ 1,580,519.00	\$ 11,755.00	\$ -	\$ 1,592,274.00

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, May 12th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 334 427 00#

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

Background/Information

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

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, May 12th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 334 427 00#

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

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

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS

Wednesday, May 12th, 2021 at 3:00 P.M.

Conference Call Number: 1-903-405-2572; Code: 334 427 00#

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*
-

REGULAR MEETING
Alliance Regional Water Authority Technical Committee

COMMITTEE MEMBER PACKETS
Wednesday, May 12th, 2021 at 3:00 P.M.
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J. ADJOURNMENT
