

**Alliance Regional Water Authority  
Technical Committee**

**REGULAR MEETING**



**ALLIANCE WATER**

**COMMITTEE MEMBER PACKETS**

Wednesday, June 8th, 2022 at 3:00 P.M.

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

Meeting ID: 982 8616 3170

Passcode: 495028

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, June 8th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

A quorum of Alliance Regional Water Authority's (the Authority's) Technical Committee will hold a meeting by telephonic conference call at 3:00 PM, Wednesday, June 8, 2022. The public may participate in this meeting by calling the following number and code:

**ZOOM MEETING LINK**

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

Meeting ID: 982 8616 3170

Passcode: 495028

Members of the public wishing to make public comment during the meeting must register by emailing [info@alliancewater.org](mailto:info@alliancewater.org) prior to 3:00 p.m. on June 8, 2022. This meeting will be recorded and the audio recording will be available on the Authority's website after the meeting. A copy of the agenda packet will be available on the Authority's website at the time of the meeting. Additional information can be obtained by calling Graham Moore at (512) 294-3214.

A. CALL TO ORDER

B. ROLL CALL

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

D. CONSENT AGENDA

D.1 Consider approval of minutes of the Regular Technical Committee Meeting held May 11, 2022. ~ *Graham Moore, P.E., Executive Director*

E. PRESENTATIONS TO THE COMMITTEE

E.1 None.

F. ITEMS FOR COMMITTEE ACTION OR DISCUSSION/DIRECTION

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

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

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- F.3 Discussion of the draft Authority budget for FY 2022-23; and possible direction to staff. ~ *Graham Moore, P.E., Executive Director*
- F.4 Update and possible direction to Staff regarding the Authority's infrastructure during the February 2022 winter freeze. ~ *Jason Biemer, Director of Operations*
- 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. ~ *Graham Moore, P.E., Executive Director*
  
- G. EXECUTIVE DIRECTOR REPORT - Update on future meeting dates, locations, consultant invoices paid, approved changed orders, status of Authority procurements, Executive Director activities and other operational activities where no action is required. ~ *Graham Moore, P.E., Executive Director*
  
- H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS – Possible acknowledgement by Committee Members of future area events and/or requests for item(s) to be placed on a future agenda where no action is required.
  
- I. EXECUTIVE SESSION
  - I.1 *Executive Session pursuant to the Government Code, Section 551.071 (Consultation with Attorney) and/or Section 551.072 (Real Property Deliberations) regarding:*
    - A. *Water supply partnership options*
    - B. *Groundwater leases*
    - C. *Acquisition of real property for water supply project purposes*
  
  - 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

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**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**

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No Backup Information for this Item.

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**B. ROLL CALL**

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NAME PRESENT

Blake Neffendorf

James Earp

Paul Kite

Humberto Ramos

Tim Samford

Regina Franke

NON-VOTING MEMBERS PRESENT

Mayor Lee Urbanovsky

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**COMMITTEE MEMBER PACKETS**

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**C. PUBLIC COMMENT PERIOD**

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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**

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



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**Alliance Regional Water Authority Technical Committee**

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Wednesday, June 8th, 2022 at 3:00 P.M.

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**D.1** Consider approval of minutes of the Technical Committee Meeting held May 11, 2022. ~ *Graham Moore, P.E., Executive Director*

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Attachment(s)

- 2022 05 11 Technical Committee Meeting Minutes

**Technical Committee decision needed:**

- Approval of minutes.



**Alliance Regional Water Authority**

**TECHNICAL COMMITTEE MEETING**

**MINUTES**

**Wednesday, May 11, 2022**

The following represents the actions taken by the Technical Committee of the Alliance Regional Water Authority (Alliance Water) in the order they occurred during the meeting. The Technical Committee convened in a meeting on Wednesday, May 11, 2022 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 3:00 p.m. by Mr. Samford.**

**B. ROLL CALL.**

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

**C. PUBLIC COMMENT PERIOD**

- **None.**

**D. CONSENT AGENDA**

**D.1 Consider approval of minutes of the Regular Technical Committee Meeting held April 13, 2022.**

- **Motion to adopt the minutes as presented was made by Mr. Neffendorf, seconded by Mr. Ramos and approved on a 4-0 vote.**

**E. PRESENTATIONS TO THE COMMITTEE**

**E.1 None.**

## F. ITEMS FOR COMMITTEE ACTION OR DISCUSSION/DIRECTION

- F.1 Update and possible direction to Staff regarding construction of the Authority's Phase 1B program.
- **Mr. Noe Pape-Dawson provided an update on the Phase 1B construction.**
  - **No Action.**
- F.2 Update, discussion and possible direction to Staff regarding the Authority's Phase 1B program.
- **Mr. Sowa provided an update on the Phase 1B program.**
  - **No Action.**
- F.3 Discussion and possible recommendation to the Board to approve Supplemental Amendment #1 to Work Order #6 with Pape-Dawson Engineers, Inc. for a Commissioning and Startup Plan and System Test Packages for the Phase 1B Water Treatment Plant and Raw Water Infrastructure Project.
- **Mr. Moore presented the proposed amendment.**
  - **Motion to recommend to the Board to approve Supplemental #1 to Work Order #6 with Pape-Dawson for a Commissioning and Startup Plan was made by Mr. Ramos, seconded by Mr. Neffendorf and approved on a 4-0 vote.**
- F.4 Discussion and possible recommendation to the Board to approve Work Order #4 with HVJ South Central Texas – M&J, Inc. for material testing on the Segment B Pipeline project.
- **Mr. Moore presented the proposed work order.**
  - **Motion to recommend to the Board to approve Work Order #4 with HVJ for Material Testing of the Segment B Pipeline was made by Mr. Ramos, seconded by Mr. Earp and approved on a 4-0 vote.**
- F.5 Discussion of the draft Authority budget for FY 2022-23; and possible direction to staff.
- **Mr. Moore noted that the budget will be presented at the June meeting.**
  - **No Action.**
- F.6 Update and possible direction to Staff regarding the Authority's infrastructure during the February 2022 winter freeze.
- **Item was postponed until the June meeting.**
  - **No Action.**

F.7 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities.

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

G. EXECUTIVE DIRECTOR REPORT

- **No Action.**

H. COMMITTEE MEMBER ITEMS OR FUTURE AGENDA ITEMS

- **None.**

I. EXECUTIVE SESSION

I.1 The Technical Committee recessed into Executive Session at 3:33 p.m. pursuant of the Government Code, Section 551.071, to seek the General Counsel's advice regarding matters involving attorney-client privilege, Section 551.072 to discuss real property deliberations. The Technical Committee reconvened from Executive Session at 3:45 p.m.

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

- **No Action.**

J. ADJOURNMENT

- **Meeting was adjourned at 3:46 p.m. by Mr. Earp.**

**APPROVED:** \_\_\_\_\_, 2022

\_\_\_\_\_

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

Background/Information

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

Attachment(s)

- Phase 1B Construction Update – June 8, 2022

**Technical Committee Decisions Needed:**

- None.



# PHASE 1B CONSTRUCTION UPDATE

## TECHNICAL COMMITTEE MEETING

CMI Progress

June 8<sup>th</sup> 2022

Water Resources | Transportation | Land Development | Surveying | Environmental



## Water Treatment Plant / Raw Water Infrastructure (Archer Western / Walker Partners)



### Construction Status

- Completed placing roof, wall panels, pouring wall slots, and dome rings on Clearwell Tank and Raw Water Tanks
- Began removal of the shoring from the Clearwell and Raw Water Tanks
- Began wire winding and shotcrete at Clearwell
- Completed placing concrete for piping trenches, grade beams, and backfill at Filter Complex
- Stripped wall forms at Plate Settler Basin and began backfilling
- Continued concrete encasement of Pump Cans
- Continued backfill at High Service and Recycle Pump Stations
- Completed installing WL-B beginning at Well #9 and began installing WL-A beginning at Well #8
- Continued 8" Recycle Line installation
- Placed Chemical Storage Area slab on grade
- Completed 8" Recycle Line installation
- Began installation of electrical duct banks at Well Sites 7, 8 and 9



Placing shotcrete at Raw Water Storage Tank

## Booster Pump Station (MWH / Friese and Nichols)

### Construction Status

- Completed north wall at HSPS
- Completed installation of leveling base at GST
- Continued Water Line installation at CRWA DP #4
- Set Pump Cans at HSPS and began installing reinforcement steel and formwork for encasement
- Preload mobilized to begin GST construction and began placement of pre-cast panels and reinforcing steel installation for the GST slab
- Conducted vertical turbine pump warranty meeting
- Continued installation of electrical duct banks at CRWA#4
- Began structural backfill installation for the electrical building

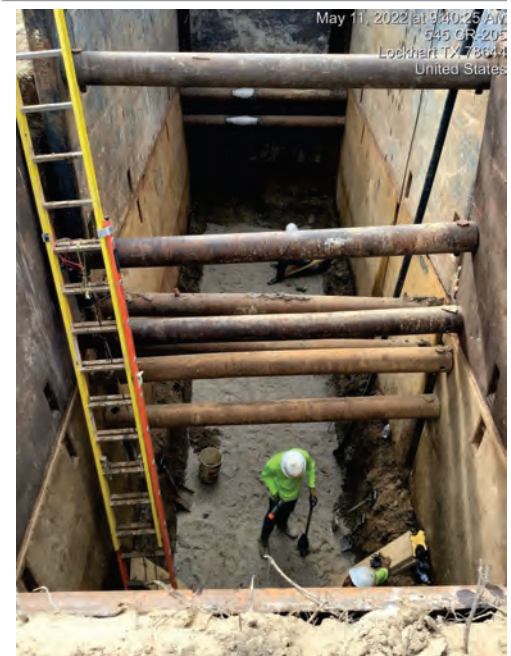


Reinforced steel for pump cans

## Segment A (Garney Construction / LAN)

### Construction Status

- Conducted confined space entry training
- Continued mulching and hauling offsite
- Continued installation of silt fencing
- Continued receiving and pipe and embedment material
- Completed tunneling, casing installation, and grouting at SH-304 crossing
- Continued tunneling operations at Waters Crossing (Crossing #2)
- Completed MBTA survey of route



Seg A – Crossing #2

## Segment A (Garney Construction / LAN)

### Construction Status

- Not Started
- ROW Cleared
- Pipe Delivered
- Pipe Installed
- Complete



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## Segment B (Garney Construction / K Friese)

### Construction Status

- Continued Installing construction access gates and locks
- Continued Survey and Staking of ROW
- Conducted Bird Surveys to clear work area each week
- Continued installation of silt fencing
- Continued Clearing ROW
- Continued Stripping of Topsoil
- Mobilized tunneling crew to FM-1984



Seg B2 – Bore Pit Sta 148+37



# Segment B (Garney Construction / K Friese)

### Construction Status

- █ Not Started
- █ ROW Cleared
- █ Pipe Delivered
- █ Pipe Installed
- █ Complete



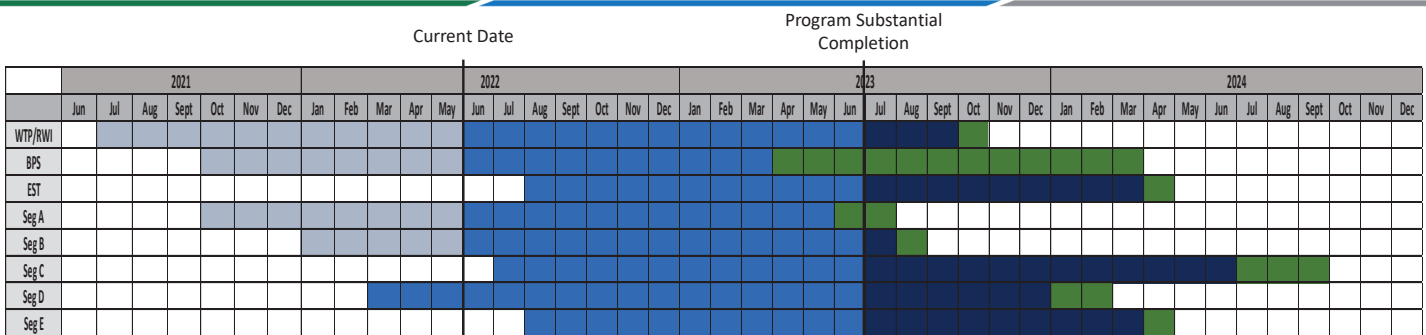
# OVERSIGHT RECAP

Project	RFIs		Submittals		Test Reports	
	This Period	To Date	This Period	To Date	This Period	To Date
<b>WTP/RWI</b>	2	49	5	179	39	237
<b>BPS</b>	5	25	8	67	17	111
<b>Seg A</b>	3	22	7	32	11	11
<b>Seg B</b>	2	2	10	24	0	0

# CONTRACT VALUES

PROJECT	CURRENT CONTRACT VALUE	BILLED TO DATE	REMAINING	% COMPLETE
WTP/RWI	\$ 54,754,937.00	\$13,750,097.05	\$41,004,839.95	25.11%
BPS	\$19,706,258.71	\$2,931,855.09	\$16,774,403.62	14.88%
EST	\$0.00	\$0.00	\$0.00	0.00%
Seg A	\$49,471,384.71	\$2,195,631.27	\$47,275,753.44	4.44%
Seg B	\$37,629,104.42	\$0.00	\$37,629,104.42	0.00%
Seg D	\$0.00	\$0.00	\$0.00	0.00%
Seg C	\$0.00	\$0.00	\$0.00	0.00%
Seg E	\$0.00	\$0.00	\$0.00	0.00%

# SCHEDULE DURATIONS



Project	Contract Dates				Program Sub Completion Status (June 2023)
	Notice to Proceed	Original Sub Completion	Current Sub Completion	Final Completion	
WTP/RWI	7/16/2021	7/16/2023	9/3/2023	11/2/2023	Behind 9 wks
BPS	10/25/2021	3/19/2023		3/18/2024	On Time
Seg A	11/16/2021	6/9/2023		10/7/2023	On Time
Seg B	2/15/2022	8/9/2023		10/8/2023	Behind 5 wks

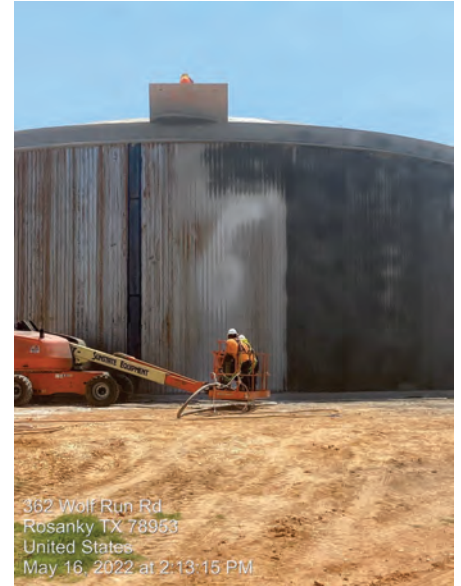
# PROGRESS PHOTOS



WTP – Cable install on top dome ring at Clearwell



WTP– HSPS Pump Can encasement



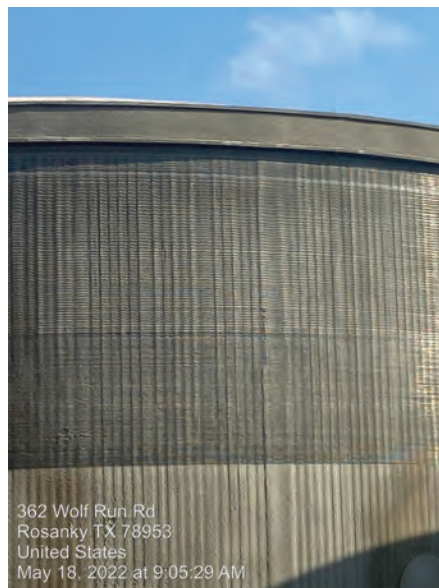
WTP – Placing shotcrete at Raw Water Storage Tank

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# PROGRESS PHOTOS



WTP – Placing concrete at grade beams at filter complex



WTP– Stretched wire over Raw Water Storage Tank



WTP – Raw Water Pipeline WL-A

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# PROGRESS PHOTOS



May 10, 2022 at 11:29:33 AM  
866 Lakeside Pass  
New Braunfels, TX 78130  
United States

BPS – Embedment compaction for 36”  
DI at CRWA #4



May 19, 2022 at 9:27:26 AM  
850 Lakeside Pass  
New Braunfels, TX 78130  
United States

BPS – Electrical duct bank installation  
at CRWA #4



May 26, 2022 at 5:05:31 PM  
9675 SH-142  
Maxwell, TX 78656  
United States

BPS – Wall section concrete placement  
for GST

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# PROGRESS PHOTOS



May 26, 2022 at 2:39:32 PM  
9675 SH-142  
Maxwell, TX 78656  
United States

BPS – Reinforcement steel for GST



May 31, 2022 at 3:46:07 PM  
9675 SH-142  
Maxwell, TX 78656  
United States

BPS – Generator pad subgrade  
preparation



May 31, 2022 at 12:32:33 PM  
820 Lakeside Pass  
New Braunfels, TX 78130  
United States

BPS – Concrete placement for electrical  
duct bank at CRWA #4

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# PROGRESS PHOTOS



Seg A – Boring operations at Bore #2 (Wetlands Crossing)



Seg A – Cleared ROW and pipe staging



Seg A – Embedment material delivery to site

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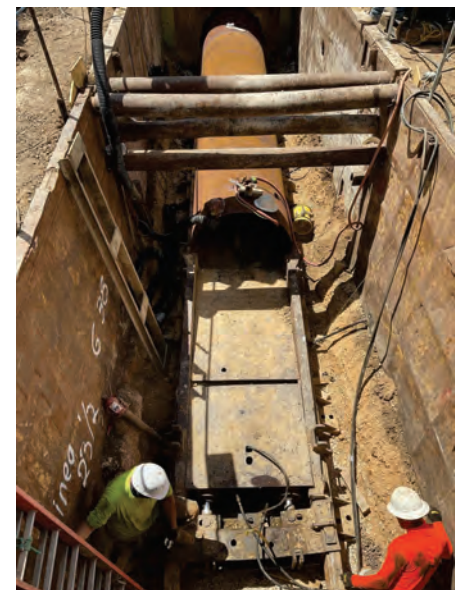
# PROGRESS PHOTOS



Seg B – Fence gap installation



Seg B – Bore Pit Sta. 148+37 Seg B1



Seg B – Casing installation

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# QUESTIONS?

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**COMMITTEE MEMBER PACKETS**

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

Background/Information

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

Attachment(s)

- Phase 1B Program Update – June 8, 2022
- Kimley-Horn Monthly Summary of Activities for May 2022

**Technical Committee Decisions Needed:**

- None.



# Phase 1B Program Update

Technical Committee Meeting  
June 8, 2022



**ALLIANCE WATER**

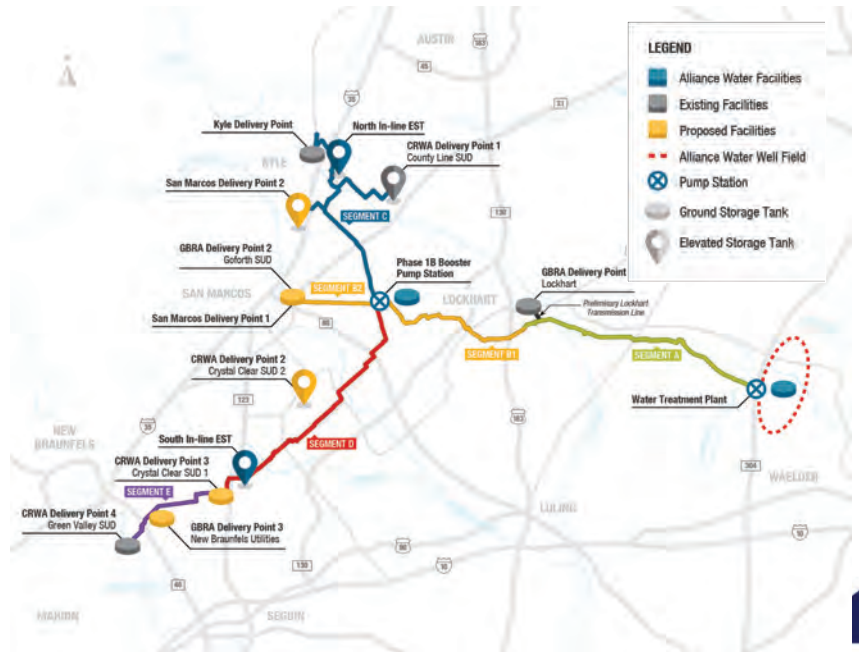
Kimley»Horn  
Expect More. Experience Better.

PRESENTED BY

## Ongoing Progress

### ► Design Milestone Status

- Design Submittals
  - Segment E – 100% submittals anticipated in June
  - Segment C – 100% submittals anticipated in July
- TWDB Reviews
  - Segment B
    - Easement Acquisition Funding Released
  - Segment D
    - Environmental Data Report Reviewed
    - Engineering Feasibility Report under Review
  - Segment E
    - Environmental Data Report under Review
    - Engineering Feasibility Report under Review





# Ongoing Progress

## ► Segment D Procurement – Tentative Schedule

- Mid June – Advertisement
- Late July – Proposals Received/Opened
- August – Contract Award
- September – Notice to Proceed



# 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	0	0	39
B	52	0	0	0	0	0	0	52
D	57	0	0	1	1	8	9	48
C	78	6	14	5	25	28	53	25
E	38	0	3	1	4	19	23	15
Well Field	17	0	1	5	6	1	7	10
<b>Total</b>	<b>281</b>						<b>92</b>	<b>189</b>



## COST UPDATES BASED ON MAY MILESTONE SUBMITTALS/RESULTS

		ORIGINAL (FEB. 2019)	REVISED	
	Construction Package	ARWA Total Projected Cost	ARWA Total Projected Cost	DIFFERENCE
<b>Submittal (%)</b>	<b>Combined Program Infrastructure</b>			
Const.	Water Treatment Plant	\$ 25,200,000	\$ 29,500,000	\$ 4,300,000
Const.	Booster Pump Station & GBRA Meter Stations	\$ 12,100,000	\$ 13,700,000	\$ 1,600,000
60	Inline EST (South)	\$ 3,600,000	\$ 4,100,000	\$ 500,000
Const.	Pipeline Segment A	\$ 27,200,000	\$ 28,600,000	\$ 1,400,000
Const.	Pipeline Segment B	\$ 27,100,000	\$ 33,800,000	\$ 6,700,000
100	Pipeline Segment D	\$ 36,300,000	\$ 43,700,000	\$ 7,400,000
90	Pipeline Segment E	\$ 9,500,000	\$ 10,900,000	\$ 1,400,000
	<b>Subtotal</b>	<b>\$141,000,000</b>	<b>\$164,300,000</b>	<b>\$ 23,300,000</b>
	<b>ARWA-Only Infrastructure</b>			
Const.	Well Drilling	\$ 3,800,000	\$ 3,300,000	(\$ 500,000)
Const.	Raw Water Infrastructure	\$ 7,000,000	\$ 10,600,000	\$ 3,600,000
Const.	ARWA Booster Pump Station & Delivery Points	\$ 7,700,000	\$ 4,800,000	(\$ 2,900,000)
30	Inline EST (North)	\$ 5,400,000	\$ 6,500,000	\$ 1,100,000
90	Pipeline Segment C	\$ 64,500,000	\$ 68,600,000	\$ 4,100,000
90	Pipeline Segment E (ARWA-Only)	\$ 6,700,000	\$ 12,600,000	\$ 5,900,000
No Design	Administration and Operations Building	\$ 4,300,000	\$ 4,200,000	(\$ 100,000)
	<b>Subtotal</b>	<b>\$ 99,400,000</b>	<b>\$110,600,000</b>	<b>\$ 11,200,000</b>
	<b>Total</b>	<b>\$240,400,000</b>	<b>\$274,900,000</b>	<b>\$34,500,000</b>

JUNE 2022 UPDATE

**NO CHANGE FROM  
MAY UPDATE**



# Questions?

June 03, 2022

## **Project Monthly Summary**

May 2022 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 Meeting Update.
  - Prepared and presented the Board Meeting Update.
  - Prepared and presented the Project Advisory Committee Meeting Update.
  - Prepared for and held Monthly Status Meeting with Alliance Water.
  
- Task 3 – Budgeting
  - Prepared and presented the monthly Budget Update for the Technical Committee and Board meetings.
  - Continued updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
  
- Task 4 – Schedule
  - Integrated each project schedule into overall Program schedule. Developed and distributed the monthly Program schedule summary.
  
- Task 6 – Data Management
  - Continued to coordinate with ARWA and Construction Management & Inspection Team to integrate construction data collected on the GIS WebMap.
  - Ongoing maintenance of Microsoft SharePoint Online program.
  - Continued updating of web-based GIS for easement acquisition process and alignment changes.
  
- Task 7 – Environmental Management
  - Continued coordination with Program Environmental Consultant concerning the comment responses to the USACE.
  - Continued coordination with the Program Environmental Consultant fieldwork for Segments C.
  - Continued coordination with Program Environmental Consultant regarding the burial relocation proceedings.
  - Coordinated with Program Environmental Consultant to submit the Segment E EDF to the TWDB.
  - 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**

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- 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, 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 as well as preparation of funding release requests.
  
- Task 11 – Engineering Design Management
  - Pipelines:
    - Segment A
      - Continue coordination with Design Consultant for construction phase services.
    - Segment B
      - Continued coordination with Design Consultant for procurement phase services.
    - Segment C
      - Continued coordination with Design Consultant for final design.
      - Continued coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations.
    - Segment D
      - Continued coordination with Design Consultant for final design and preparation for procurement.
    - Segment E
      - Continued coordination with Design Consultant for final design.

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

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- Raw Water Infrastructure:
  - Continued coordination with Design Consultant for construction phase services.
- Water Treatment Plant:
  - Continued coordination with Design Consultant concerning Hydraulics/Surge development.
  - Continued coordination with Design Consultant for construction phase services.
- Booster Pump Station:
  - Coordinated with Design Consultant for construction phase services.
- Inline Elevated Storage Tanks:
  - Continued coordination with Design Consultant for 90% 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 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.
  - Continued coordination with Caldwell, Guadalupe, and Hays Counties regarding on going permit reviews.
  - Continued General Coordination with GVEC, BBEC, and LCRA.
  - On-going Permit Tracking Log Updates.
  
- Task 15 – Procurement and Construction Phase Services
  - Continued coordination with the Construction Management & Inspection team.
  - Continued coordination with WTP, RWI, BPS, Segment A, and Segment B Design Consultants during the construction phase.
  
- Task 18 – Environmental Construction Services
  - Continued efforts to complete Migratory Bird nest surveys and associated memos for reporting.
  - Continued coordination with Garney and archeology subconsultant to handle blown bore on Sandy Creek
  - Attended construction status meetings

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

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June 2022 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 Technical Committee Meeting Update.
  - Prepare and present Project Advisory Committee Meeting Update.
  - Prepare and present Board Meeting Update.
  - Prepare for and hold Monthly Status Meeting with Alliance Water.
  
- Task 3 – Budgeting
  - Prepare and present the monthly Budget Update for the Technical Committee and Board meetings.
  - Continue updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
  
- Task 4 – Schedule
  - Revise the Project Deliverable Schedule based on the feedback received from ARWA, Design Consultants, and Construction Management & Inspection team.
  - Integrate each project schedule into overall Program schedule. Develop and distribute schedule update and memorandum.
  
- Task 6 – Data Management
  - Continued coordination with ARWA and Construction Management & Inspection Team to integrate construction data collected on the new GIS WebMap.
  - Ongoing maintenance of Microsoft SharePoint Online program.
  - Continued updating of web-based GIS for easement acquisition process and alignment changes.
  
- Task 7 – Environmental Management
  - Continue coordination with Program Environmental Consultant concerning the comment responses to the United States Army Corps of Engineers.
  - Continued coordination with the Program Environmental Consultant regarding outstanding fieldwork for Segment C.
  - 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.

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

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- Review Program Environmental invoices, schedule, and risk log.
- Task 8 – Land Acquisition Management
  - Coordinate the appraisal process for Segment C, E, and W parcels.
  - Coordinate with Program Survey Consultant, Program Environmental Consultant, and Land Acquisition team to address questions that arise as part of the field work coordination process.
  - Perform weekly QC of parcel files in SharePoint, provide comments to Land Acquisition team.
  - Weekly coordination meeting with land agents to discuss status of rights-of-entry and to provide Program clarification on any questions/requests that have come from landowners.
  - Review Program Land Acquisition team, Program Appraiser, and Program Survey invoices.
  - Continue field work coordination to notify landowners of upcoming field work by consultants.
- Task 9 – Texas Water Development Board Management
  - Continue coordination with TWDB Staff to track all EFRs, environmental reports, and bid documents currently under review as well as preparation of funding release requests.
- Task 10 – Design Standards
  - Update and release the revised Construction Standards to the Design Consultants given a question from construction activities.
- Task 11 – Engineering Design Management
  - Pipelines:
    - Segment A
      - Continue coordination with Design Consultant for construction phase services.
    - Segment B
      - Continue coordination with Design Consultant for construction phase services.
    - Segment C
      - Continue coordination with Design Consultant for final design.
      - Continue coordination with Design Consultant regarding ongoing field work and pipeline alignment considerations.
    - Segment D
      - Continue coordination with Design Consultant for final design and preparation for procurement.
    - Segment E
      - Begin review of Segment E 100% Design submittal prepared by the Design Consultant.

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

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- Continue coordination with Design Consultant for final design.
  - Raw Water Infrastructure:
    - Continue coordination with Design Consultant for construction phase services.
  - Water Treatment Plant:
    - Continue coordination with Design Consultant concerning Hydraulics/Surge development.
    - Continue coordination with Design Consultant for construction phase services.
  - Booster Pump Station:
    - Coordination with Design Consultant for construction phase services.
  - Inline Elevated Storage Tanks:
    - Coordination with Design Consultant for 90% 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 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.
  - Continue General Coordination with GVEC, BBEC, and LCRA.
  - On-going Permit Tracking Log Updates.
- Task 15 – Procurement and Construction Phase Services
  - On-going coordination with the Construction Management & Inspection team.
  - On-going coordination with WTP, RWI, BPS, Segment A, and Segment B Design Consultants during the construction phase.
- Task 16 – Other Services
  - Finalize and submit the City of San Marcos Watershed Protection Plan for the Booster Pump Station Plat.
- Task 18 – Environmental Construction Services
  - Continue efforts to complete Migratory Bird nest surveys and associated memos for reporting.



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

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- Continue coordination with Garney and archeology subconsultant to handle blown bore on Sandy Creek
- Attend construction status meetings

Scope Elements Added/Removed:  
None at this time.

Outstanding Issues/Concerns:  
None at this time.

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, June 8th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

**F.3** Discussion of the draft Authority budget for FY 2022-23; and possible direction to staff. ~ *Graham Moore, P.E., Executive Director*

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Status of FY 21-22 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 \$2.3 million which is \$35,000 (1.6%) over budget, driven primarily by possible additional groundwater royalty costs.
- Capital Expenditures are projected to be about \$40,000 or 33% below the budgeted amount.
- Debt service payments will total \$13,095,520 in FY 2021.
- Operating Revenue is projected to be approximately \$18 million which is about \$54,000 over the budgeted amount due to higher-than-expected interest income.

FY 22-23 Budget

Attached is the draft budget for FY 2022-23. Staff is scheduling a meeting with the Administrative Committee to discuss the employee costs and to get their recommendation for ultimate incorporation into the budget.

The FY 22-23 budget has the following significant changes from the current year's budget:

- Increased expenditures for Groundwater Royalties associated with possible additional leases and commencing production of the Carrizo project.
- Slight increase to Legal Fees.
- As noted above – the employee expenditures are being discussed with the Administrative Committee.
- Includes interest only payments for the SWIFT debt financing that is expected to occur in November of this year.
- Payments from Sponsors are 4-6% higher than anticipated in previous years due to the additional loan payments.

Attachment(s)

- FY 2022-23 Draft Budget

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, June 8th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

**Technical Committee Decisions Needed:**

- Possible Direction to Staff.

**Alliance Regional Water Authority**  
**APPENDIX A: FY 2021-22 GENERAL OPERATIONS BUDGET**

**DRAFT 2022-06-04**

Expense	Actual FY 2020/21	Approved (as Amended) FY 2021/22	Estimated FY 2021/22	Proposed FY 2022/23
<b>Operations Expenditures</b>				
Royalties & Permit Fees				
Groundwater Royalties	1,239,073.15	1,355,600.00	1,498,100.00	1,520,470.50
Permit Fees	74,454.43	82,000.00	82,000.00	91,000.00
<b>Total Royalties &amp; Permit Fees</b>	<b>1,313,527.58</b>	<b>1,437,600.00</b>	<b>1,580,100.00</b>	<b>1,611,470.50</b>
Contract Services				
Agency Mgmt Public Relations	37,883.30	50,000.00	50,000.00	60,000.00
Contract Services-Lobbyist	72,000.00	72,000.00	45,000.00	60,000.00
Auditing fees	10,930.00	13,000.00	10,930.00	13,000.00
Legal Fees	86,307.99	115,000.00	115,000.00	125,000.00
<b>Total Contract Services</b>	<b>207,121.29</b>	<b>250,000.00</b>	<b>220,930.00</b>	<b>258,000.00</b>
Regional Water Planning Contribution	484.53	2,500.00	1,500.00	1,500.00
<b>Admin Operations</b>				
Dues	7,655.00	7,500.00	7,500.00	9,000.00
Bank Fees	3,723.08	2,500.00	4,500.00	4,000.00
Insurance - Liability, E&O	2,422.98	7,000.00	3,075.00	7,000.00
Non-Project Newspaper Public Notices	3,556.37	3,500.00	0.00	2,000.00
Telephone, Telecommunications	1,209.68	3,800.00	2,400.00	3,800.00
Supplies	18,330.34	18,000.00	33,500.00	27,500.00
Admin Operations - Other	0.00	1,500.00	0.00	1,500.00
<b>Total Admin Operations</b>	<b>36,897.45</b>	<b>43,800.00</b>	<b>50,975.00</b>	<b>54,800.00</b>
Travel, Conferences & Meetings	1,175.83	5,000.00	3,000.00	5,000.00
<b>Employee Expenses</b>				
Salaries and wages	328,983.05	389,225.19	340,000.00	552,875.50
Merit Bonus	0.00	0.00	0.00	0.00
Auto Allowance	13,084.74	12,600.00	12,600.00	12,600.00
Phone Allowance	2,803.95	2,700.00	2,700.00	2,700.00
Payroll taxes	24,497.37	27,759.89	25,000.00	40,954.67
Employee Insurance	29,351.46	47,637.50	32,000.00	62,582.28
Retirement	23,571.27	33,267.70	28,000.00	48,294.92
Licenses & Permits	1,123.75	2,700.00	1,250.00	3,700.00
Mileage Reimbursement	0.00	3,150.00	500.00	2,500.00
Employee Expenses - Other	0.00	6,000.00	1,000.00	7,000.00
<b>Total Employee Expenses</b>	<b>423,416.00</b>	<b>525,040.00</b>	<b>443,050.00</b>	<b>733,210.00</b>
<b>Total Operations Expenditures</b>	<b>1,982,620.00</b>	<b>2,263,940.00</b>	<b>2,299,560.00</b>	<b>2,663,980.00</b>
<b>Facility O&amp;M Expenditures</b>				
General - O&M Expenditures	35,767.24	9,000.00	9,000.00	9,000.00
Well Field - O&M Expenditures	0.00	0.00	0.00	0.00
WTP - O&M Expenditures	0.00	0.00	0.00	0.00
Maxwell BPS - O&M Expenditures	0.00	0.00	0.00	0.00
Buda BPS - O&M Expenditures	0.00	19,510.00	5,000.00	23,750.00
Kyle EST - O&M Expenditures	0.00	0.00	0.00	0.00
SH-123 EST - O&M Expenditures	0.00	0.00	0.00	0.00
<b>Total O&amp;M Expenditures</b>	<b>35,767.24</b>	<b>28,510.00</b>	<b>14,000.00</b>	<b>32,750.00</b>

**Alliance Regional Water Authority**  
**APPENDIX A: FY 2021-22 GENERAL OPERATIONS BUDGET**

**DRAFT 2022-06-04**

	<b>Actual FY 2020/21</b>	<b>Approved (as Amended) FY 2021/22</b>	<b>Estimated FY 2021/22</b>	<b>Proposed FY 2022/23</b>
<b>Capital Expenditures</b>				
Projects-in-Progress (Cash)				
Legal Support	2,715.30	25,000.00	10,000.00	25,000.00
Hydrogeologic Support	12,782.31	20,000.00	20,000.00	20,000.00
<b>Total Projects-in-Progress (Cash)</b>	<b>15,497.61</b>	<b>45,000.00</b>	<b>30,000.00</b>	<b>45,000.00</b>
Projects-in-Progress Eng. (Cash)				
Engineering - General	16,125.00	75,000.00	50,000.00	100,000.00
GIS Development	15,102.75	0.00	0.00	0.00
<b>Total Projects-in-Progress Eng. (Cash)</b>	<b>31,227.75</b>	<b>75,000.00</b>	<b>50,000.00</b>	<b>100,000.00</b>
Debt Service Payment				
Series 2015a (CRWA)	250,977.00	249,058.00	249,058.00	251,854.00
Series 2015b (Kyle)	181,087.50	179,928.50	179,928.50	178,608.00
Series 2017a (CRWA)	498,561.50	501,017.50	501,017.50	498,047.50
Series 2017b (Kyle)	452,995.50	455,691.50	455,691.50	452,996.50
Series 2017c (San Marcos)	723,522.00	719,232.00	719,232.00	719,282.00
Series 2017d (Buda)	104,678.00	104,054.00	104,054.00	103,334.00
Series 2019a (CRWA)	1,287,478.50	1,289,930.50	1,289,930.50	1,287,130.50
Series 2019b (Kyle)	1,174,531.50	1,172,646.50	1,172,646.50	1,175,574.50
Series 2019c (San Marcos)	1,897,305.00	1,899,831.00	1,899,831.00	1,897,081.00
Series 2019d (Buda)	268,481.00	271,717.00	271,717.00	269,889.50
Series 2020a (CRWA)	640,000.00	1,728,369.50	1,728,369.50	1,726,815.50
Series 2020b (Kyle)	585,000.00	1,573,890.50	1,573,890.50	1,577,476.50
Series 2020c (San Marcos)	500,000.00	2,584,310.50	2,584,310.50	2,581,682.50
Series 2020d (Buda)	75,000.00	365,842.00	365,842.00	365,470.00
Series 2022a (CRWA)	0.00	0.00	0.00	375,000.00
Series 2022b (Kyle)	0.00	0.00	0.00	340,000.00
Series 2022c (San Marcos)	0.00	0.00	0.00	340,000.00
Series 2022d (Buda)	0.00	0.00	0.00	50,000.00
<b>Total Debt Service Payment</b>	<b>8,639,620.00</b>	<b>13,095,520.00</b>	<b>13,095,520.00</b>	<b>14,190,240.00</b>
<b>Total Capital Expenditures</b>	<b>8,686,350.00</b>	<b>13,215,520.00</b>	<b>13,175,520.00</b>	<b>14,335,240.00</b>
<b>Total Expense</b>	<b>10,704,740.00</b>	<b>15,507,970.00</b>	<b>15,489,080.00</b>	<b>17,031,970.00</b>
<b>Ordinary Income/Expense</b>				
<b>Beginning Unreserved Fund Balance</b>	<b>2,224,421.58</b>	<b>2,209,973.16</b>	<b>2,209,973.16</b>	<b>2,515,820.00</b>
<b>Revenue</b>				
Project Contribution				
City of San Marcos	3,670,815.52	6,135,730.00	6,135,730.00	6,524,195.50
City of Kyle	3,076,737.53	4,114,580.00	4,114,580.00	4,499,330.50
City of Buda	514,654.87	873,690.00	873,690.00	928,393.50
Canyon Regional Water Authority	3,426,100.03	4,571,520.00	4,571,520.00	4,988,322.50
Project Contribution - Other	28,648.00	31,600.00	31,600.00	35,000.00
<b>Total Project Contribution</b>	<b>10,716,955.95</b>	<b>15,727,120.00</b>	<b>15,727,120.00</b>	<b>16,975,242.00</b>
TexStar Interest Revenue				
City of San Marcos	520.46	4,300.00	22,945.00	21,500.00
City of Kyle	408.87	3,400.00	18,025.00	16,900.00
City of Buda	73.71	600.00	3,250.00	3,050.00
Canyon Regional Water Authority	448.34	3,700.00	19,765.00	18,500.00
TexStar Interest Revenue - Other	0.00	0.00	0.00	0.00
<b>Total TexStar Interest Revenue</b>	<b>1,451.38</b>	<b>12,000.00</b>	<b>63,985.00</b>	<b>59,950.00</b>
Broadway Interest Revenue				
City of San Marcos	840.86	550.00	1,387.00	1,250.00
City of Kyle	700.83	425.00	1,051.00	980.00
City of Buda	87.43	75.00	167.00	175.00
Canyon Regional Water Authority	861.52	450.00	1,218.00	1,075.00
Broadway Interest Revenue - Other	0.00	0.00	0.00	0.00
<b>Total Broadway Interest Revenue</b>	<b>2,490.64</b>	<b>1,500.00</b>	<b>3,823.00</b>	<b>3,480.00</b>
<b>Total Operating Revenue</b>	<b>10,720,900.00</b>	<b>15,740,620.00</b>	<b>15,794,930.00</b>	<b>17,038,670.00</b>
<b>Total Funds Available</b>	<b>12,945,321.58</b>	<b>17,950,593.16</b>	<b>18,004,903.16</b>	<b>19,554,490.00</b>
<b>Net Income</b>	<b>16,160.00</b>	<b>232,650.00</b>	<b>305,850.00</b>	<b>6,700.00</b>
<b>Ending Unreserved Balance</b>	<b>2,209,973.16</b>	<b>2,442,620.00</b>	<b>2,515,820.00</b>	<b>2,522,520.00</b>
<b>Fund Balance as Percentage of Operating</b>	<b>109.49%</b>	<b>106.55%</b>	<b>108.74%</b>	<b>93.54%</b>

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, June 8th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

**F.4** Update and possible direction to Staff regarding the Authority's infrastructure during the February 2022 winter freeze. ~ *Jason Biemer, Director of Operations*

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Background/Information

Mr. Samford requested a presentation as to how the Authority's infrastructure fared during the February 2022 winter freeze.

Attachment(s)

- Cold Weather Post Event Review

**Technical Committee Decisions Needed:**

- None.

# Cold Weather Post Event Review



Wednesday February 2, 2022  
through Monday February 7, 2022

## Conditions Summary



Minimum Temperature of 18°F



Maximum Temperature of 61°F



Ice buildup ranged from near 0" to 3/8"



Winds out of the north exceeding 30 mph



Precipitation totaled approximately 2.4" as temperatures dropped below freezing.



Additional precipitation fell as sleet and snow.

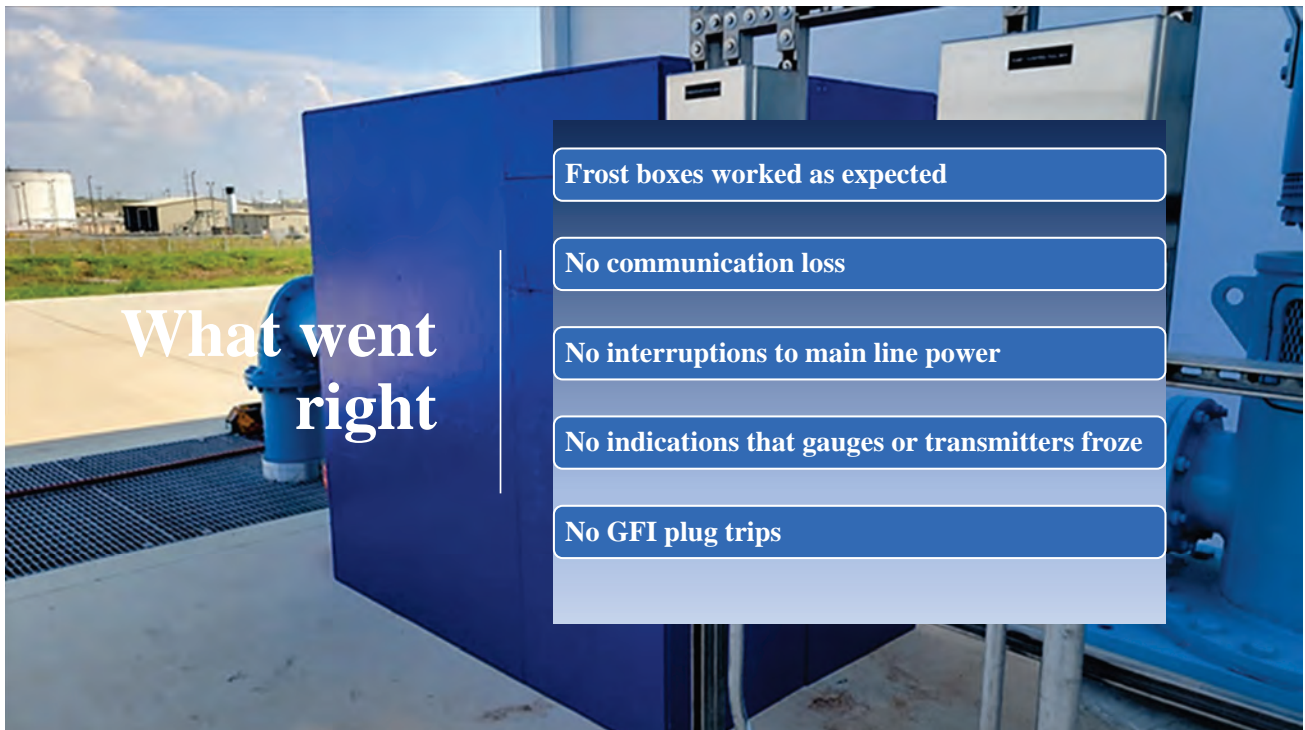




## What went wrong

Electric gate was completely iced over and inoperable.

Minor check valve leak on backup chlorine feed line.



## What went right

Frost boxes worked as expected

No communication loss

No interruptions to main line power

No indications that gauges or transmitters froze

No GFI plug trips




# Moving forward

Confirmed Standard Operating Procedure for cold weather is acceptable.



Main gate access is susceptible to heavy icing. A spray deicing agent has been identified for use on the gate in the event critical access through it is required. Alternate access gates inherently more resilient to ice effects.



A backup check valve assembly will be acquired and stored on site.

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, June 8th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

- 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.  
~ *Graham Moore, P.E., Executive Director*
- 

Gonzales County Underground Water Conservation District (GCUWCD)

The GCUWCD is scheduled to meet on June 14th.

Plum Creek Conservation District (PCCD)

The PCCD is scheduled to meet on June 21st.

Groundwater Management Area 13

GMA-13 is in the process of adopting the current round of DFCs. Each groundwater district is scheduling public hearings on the DFCs.

Region L Planning Group

The next Region L meeting is scheduled for August 4th.

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

No update.

**Technical Committee decision needed:**

- None.

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, June 8th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

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

Consultant Invoices Paid

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

**FY 21-22 CONSULTANT INVOICES PAID IN MAY 2022**

<b>Consultant</b>	<b>Total Authorized</b>	<b>Current Invoice</b>	<b>Invoiced-to-Date</b>	<b>% of Contract Invoiced</b>	<b>Remaining</b>	<b>Notes/ Anomalies</b>
RW Harden	\$30,000.00	\$0.00	\$7,866.33	26%	\$22,133.67	
Kent Alan Sick - ROW Legal	\$30,000.00	\$0.00	\$0.00	0%	\$30,000.00	
LNV - GIS Svcs	\$1,590.88	\$0.00	\$0.00	0%	\$1,590.88	
Armstrong, Vaughan & Associates, P.C.	\$10,930.00	\$0.00	\$10,930.00	100%	\$0.00	
J.R. Tolles & Associates, Inc.	\$255,000.00	\$20,038.00	\$129,250.40	51%	\$125,749.60	
Lloyd Gosselink Rochelle & Townsend	\$125,000.00	\$15,460.51	\$44,220.88	35%	\$80,779.12	
CD&P - Public Relations	\$50,000.00	\$0.00	\$27,588.11	55%	\$22,411.89	
Law Offices of Patricia Erlinger Carls	\$22,284.70	\$0.00	\$0.00	0%	\$22,284.70	
Schlueter Group of Texas, LLC	\$45,000.00	\$5,000.00	\$25,000.00	56%	\$20,000.00	
<b>Total</b>	<b>\$569,805.58</b>	<b>\$40,498.51</b>	<b>\$244,855.72</b>		<b>\$324,949.86</b>	

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

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, June 8th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

**PHASE 1B FY 20-21 CONSULTANT INVOICES PAID IN MAY 2022**

Consultant	Total Authorized	Current Invoice	Invoiced-to-Date	% of Contract Invoiced	Remaining	Notes/ Anomalies
Kimley-Horn Ph 1B Owner's Rep WO5	\$1,211,382.72	\$0.00	\$902,176.05	74%	\$309,206.67	
Kimley-Horn Ph 1B Owner's Rep WO5	\$1,989,091.00	\$147,955.38	\$241,763.63	12%	\$1,747,327.37	
Blanton - Environmental	\$1,184,938.15	\$0.00	\$363,589.04	31%	\$821,349.11	
LAN - Segment A	\$37,197.04	\$0.00	\$36,065.17	97%	\$1,131.87	
LAN - Segment A Construction	\$605,957.91	\$0.00	\$55,353.62	9%	\$550,604.29	
KFA - Segment B	\$89,769.42	\$0.00	\$63,648.15	71%	\$26,121.27	
BGE - Segment C Prelim	\$15,099.24	\$0.00	\$0.00	0%	\$15,099.24	
BGE - Segment C	\$147,053.89	\$0.00	\$33,239.38	23%	\$113,814.51	
FNI - Segment D Prelim	\$61,533.66	\$0.00	\$0.00	0%	\$61,533.66	
FNI - Segment D Final	\$307,435.65	\$0.00	\$104,201.52	34%	\$203,234.13	
Walker - Segment E Prelim	\$38,153.24	\$0.00	\$0.00	0%	\$38,153.24	
Walker - Segment E Final	\$326,815.35	\$0.00	\$84,627.69	26%	\$242,187.66	
LAN - ROW	\$741,441.42	\$0.00	\$165,740.46	22%	\$575,700.96	
DTR&G	\$2,000,000.00	\$0.00	\$790,528.51	40%	\$1,209,471.49	
CBRE - Appraisals	\$943,090.00	\$0.00	\$304,500.00	32%	\$638,590.00	
CP&Y - Survey	\$357,734.00	\$0.00	\$130,063.00	36%	\$227,671.00	
RW Harden - WDH Const Admin	\$12,470.00	\$0.00	\$12,470.00	100%	\$0.00	
LNV - RWI	\$113,027.50	\$0.00	\$5,370.00	5%	\$107,657.50	
FNI - BPS Final	\$267,620.10	\$55,213.00	\$56,675.37	21%	\$210,944.73	
Plummer - Inline Elevated Tank Prelim	\$3,730.07	\$0.00	\$0.00	0%	\$3,730.07	
Plummer - Inline Elevated Tank Final	\$290,663.43	\$0.00	\$26,950.76	9%	\$263,712.67	
Pape-Dawson - CM&I WO#5	\$1,501,376.61	\$0.00	\$935,095.71	62%	\$566,280.90	
Pape-Dawson - CM&I WO#6	\$5,601,900.00	\$0.00	\$615,867.94	11%	\$4,986,032.06	
Hicks & Co - WDH Environmental	\$15,571.00	\$0.00	\$0.00	0%	\$15,571.00	
Walker Partners - WTP CA Svcs	\$1,253,702.22	\$66,819.18	\$348,822.10	28%	\$904,880.12	
LNV/Ardurura - RWI CA Svcs	\$340,160.00	\$0.00	\$14,704.50	4%	\$325,455.50	
FNI - BPS CA Svcs	\$527,630.50	\$16,585.10	\$86,555.46	16%	\$441,075.04	
CP&Y - SCADA Programming Svcs	\$821,470.94	\$0.00	\$175,865.54	21%	\$645,605.40	
HVJ - Materials Testing (WTP)	\$473,148.75	\$0.00	\$57,737.75	12%	\$415,411.00	
HVJ - Materials Testing (BPS)	\$131,259.00	\$0.00	\$23,508.00	18%	\$107,751.00	
HVJ - Materials Testing (Segment A)	\$730,665.00	\$0.00	\$0.00	0%	\$730,665.00	
<b>Total</b>	<b>\$22,141,087.81</b>	<b>\$286,572.66</b>	<b>\$5,635,119.35</b>	<b>25%</b>	<b>\$16,505,968.46</b>	

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, June 8th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

Approved Change Orders

- No Consultant changes were issued in May 2022.
- Below are the approved change orders to date on the Phase 1B construction projects:

Change Order Tracking						
ARWA Phase 1B Water Treatment Plant						
CO #	Short Description	Total Cost	GBRA Share	GBRA's Cost	ARWA Cost	Basis for Split
CO001	Construction Access Road	\$ 249,606.00	59.35%	\$ 148,141.16	\$ 101,464.84	Overall WTP Split
CO002	Prestressed Concrete Tank Changes	\$ 71,390.00	68.58%	\$ 48,959.26	\$ 22,430.74	Water Storage & Pumping - Prestressed Water Storage Tank
CO003	CO2 Feed Pump Size	\$ 15,454.00	57.67%	\$ 8,912.32	\$ 6,541.68	Chemical Pre-Treatment - CO2 System
CO004	Gen Pad & Retaining Wall Changes	\$ 45,204.00	49.98%	\$ 22,592.96	\$ 22,611.04	Site Work - Retaining Wall
CO005	Filter Local Control Panel Additions	\$ 23,608.00	68.58%	\$ 16,190.37	\$ 7,417.63	Filtration - Packaged Steel Gravity Filter
CO006	Temp Improvements to Wolf Run Rd at 304	\$ 3,581.00	59.35%	\$ 2,125.32	\$ 1,455.68	Overall WTP Split
<b>TOTAL</b>		<b>\$ 408,843.00</b>		<b>\$ 246,921.39</b>	<b>\$ 161,921.61</b>	

Design Consultant: Walker Partners  
Contractor: Archer-Western

Change Order Tracking					
ARWA Phase 1B Booster Pump Station & Delivery Points					
CO #	Short Description	Total Cost	GBRA's Cost	ARWA's Cost	Basis for Split
CO001	Engineer's Field Office	\$ (23,604.00)	\$ (13,279.61)	\$ (10,324.39)	Bid Item A-01 Cost Split
CO002	Replace butterfly valves with gate valves	\$ (29,468.29)	\$ (16,578.86)	\$ (12,889.43)	Bid Item A-01 Cost Split
<b>TOTAL</b>		<b>\$ (53,072.29)</b>	<b>\$ (29,858.47)</b>	<b>\$ (23,213.82)</b>	

Design Consultant: Freese & Nichols  
Contractor: MWH

Change Order Tracking					
ARWA Phase 1B Segment A Treated Water Pipeline					
CO #	Short Description	Total Cost	GBRA's Cost	ARWA's Cost	Basis for Split
CO001	Value Engineering Modifications	\$ (187,950.00)	\$ (108,447.15)	\$ (79,502.85)	Bid Item split
<b>TOTAL</b>		<b>\$ (187,950.00)</b>	<b>\$ (108,447.15)</b>	<b>\$ (79,502.85)</b>	

Design Consultant: Lockwood, Andrews & Newnam, Inc.  
Contractor: Garney Construction

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, June 8th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

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

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

**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, June 8th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

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

- A. *Water supply partnership options*
  - B. *Groundwater leases*
  - C. *Acquisition of real property for water supply project purposes*
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**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, June 8th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

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

- A. *Water supply partnership options*
  - B. *Groundwater leases*
  - C. *Acquisition of real property for water supply project purposes*
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**REGULAR MEETING**  
**Alliance Regional Water Authority Technical Committee**

**COMMITTEE MEMBER PACKETS**

Wednesday, June 8th, 2022 at 3:00 P.M.

Conference Call Number: 1-346-248-7799; Meeting ID: 982 8616 3170; Code: 495028

**J. ADJOURNMENT**

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