Alliance Regional Water Authority Board of Directors

REGULAR MEETING



BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M.

San Marcos Activity Center 501 E. Hopkins, San Marcos, TX 78666

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

This Notice is posted pursuant to the Texas Open Meetings Act (Texas Government Code Chapter 551). The Alliance Regional Water Authority (the Authority) Board of Directors will hold a meeting at 3:00 PM, Wednesday, December 18, 2019, at the San Marcos Activity Center, 501 E. Hopkins, San Marcos, Texas. 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

The items included in the Consent Agenda portion of this meeting agenda can be considered and approved by the Board of Directors by one motion and vote. A Board member may request that an item included in the Consent Agenda be considered separately, in which event the Board of Directors will take action on the remaining Consent Agenda items and then consider the item removed from the Consent Agenda.

- D.1 Consider approval of minutes of the Regular Meeting held November 20, 2019. ~ *Graham Moore, P.E., Executive Director*
- D.2 Consider approval of the financial report for November 2019. ~ *Graham Moore, P.E., Executive Director*
- E. PUBLIC HEARINGS / PRESENTATIONS None

F. ITEMS FOR ACTION OR DISCUSSION/DIRECTION

- F.1 Report on Technical Committee activities. ~ *Graham Moore, P.E., Executive Director*
- F.2 Update and possible direction to Staff regarding the status of the Authority's Phase 1A projects, and direction to staff and consultants. ~ *Jason Biemer, Project Coordinator*
- F.3 Update and discussion regarding the status of the Authority's Phase 1B program, and direction to staff and consultants. ~ *Ryan Sowa, P.E., Kimley-Horn & Associates*

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

- F.4 Consider adoption of Resolution 2019-12-18-001 approving modification to the Phase 1B Program to incorporate various cost saving measures, as recommended by the Technical Committee. ~ *Graham Moore, P.E., Executive Director*
- F.5 Consider approval of a financial contribution to the Delhi Volunteer Fire Department. ~ *Graham Moore, P.E., Executive Director*
- F.6 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities. ~ *Graham Moore, P.E., Executive Director*
- G. EXECUTIVE DIRECTOR AND LEGAL COUNSEL REPORTS Update on future meeting dates, locations, status of Authority procurements, Executive Director activities, other operational activities and the status of legal issues, where no action is required. ~ *Graham Moore, P.E., Executive Director / Mike Gershon, Lloyd Gosselink Rochelle & Townsend, P.C.*
- H. BOARD 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
 - 1.1 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

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

NOTE: The Board of Directors 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 Board of Directors may also publicly discuss any item listed on the agenda for Executive Session.

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

A. CALL TO ORDER

No Backup Information for this Item.

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

B. ROLL CALL

NAME	TERM ENDS	PRESENT
Mayor Jane Hughson – Vice-Chair (San Marcos)	April 2020	
Mike Taylor (CRWA - General Manager, Crystal Clear SUD)	April 2020	
Brian Lillibridge (Kyle – Asst. Public Works Director)	April 2021	
Kenneth Williams – Treasurer (Buda – City Manager)	April 2020	
Councilmember Mark Rockeymoore (San Marcos)	April 2022	
Humberto Ramos (CRWA – Water Resources Director)	April 2021	
James Earp – Secretary (Kyle – Assistant City Manager)	April 2021	
Tom Taggart (San Marcos – Executive Director of Public Services)	April 2021	
Chris Betz – Chair (CRWA - President, County Line SUD)	April 2022	
Councilmember Tracy Scheel (Kyle)	April 2021	
Jon Clack (San Marcos – Assistant Director of Public Services)	April 2022	
Pat Allen (CRWA - General Manager, Green Valley SUD)	April 2020	
Steve Parker (San Marcos – Assistant City Manager)	April 2022	

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

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.)

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

D. CONSENT AGENDA

Items D.1 and D.2 are presented as part of the consent agenda.

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

D.1 Consider approval of minutes of the Regular Meeting held November 20, 2019. ~ *Graham Moore, P.E., Executive Director*

Attachment(s)

• 2019 11 20 Board Meeting Minutes

Board Decision(s) Needed:

• Approval of minutes.

Meeting Minutes November 20, 2019



Alliance Regional Water Authority

BOARD MEETING

MINUTES

Wednesday, November 20, 2019

The following represents the actions taken by the Board of Directors of the Alliance Regional Water Authority (ARWA) in the order they occurred during the meeting. The Board of Directors convened in a meeting on Wednesday, November 20, 2019 at the San Marcos Activity Center, 501 E. Hopkins, San Marcos, Texas.

- A. CALL TO ORDER.
 The Alliance Water Board Meeting was called to order at 3:02p.m. by Mr. Betz.
- B. ROLL CALL.
 - Present: Lillibridge, Ramos, Earp, Taggart, Betz, Scheel, and Clack with Allen joining in Item F.6.
 - Absent: Hughson, Taylor, Williams, Rockeymoore and Parker.
- C. PUBLIC COMMENT PERIOD
 - None.
- D. CONSENT AGENDA
 - D.1 Consider approval of minutes of the Regular Meeting held October 30, 2019.
 - D.2 Consider approval of the financial report for October 2019.
 - Motion to approve the consent agenda as presented was made by Mr. Ramos, seconded by Mr. Taggart on a 7-0 vote.
- E. PUBLIC HEARINGS / PRESENTATIONS
 - E.1 None.
- F. ITEMS FOR ACTION OR DISCUSSION/DIRECTION

- F.1 Report on Technical Committee activities.
 - Mr. Moore updated the Board on the November meeting.
 - No Action.
- F.2 Report on Administrative Committee activities.
 - Mr. Moore reported on the Administrative Committee activities.
 - No Action.
- F.3 Consider adoption of Resolution 2019-11-20-001 approving and adopting Personnel Policies for the Authority as recommended by the Administrative Committee.
 - Motion to adopt Resolution 2019-11-20-001 approving and adopting Personnel Policies for the Authority was made by Mr. Earp, seconded by Mr. Ramos and approved on a 7-0 vote.
- F.4 Consider approval of the Executive Director's Goals for FY 2019-2020.
 - Motion to approve the Executive Director's Goals for FY 2019-2020 was made by Ms. Scheel, seconded by Mr. Earp and approved on a 7-0 vote.
- F.5 Update and discussion regarding the status of the Authority's Phase 1A projects, and direction to staff and consultants.
 - Mr. Biemer provided updates.
 - No Action.
- F.6 Update and discussion regarding the status of the Authority's Phase 1B program, and direction to staff and consultants.
 - Mr. Moore noted that the Cost Saving Measures were discussed with the Technical Committee in November, but that no action was taken. He expects the Committee to make recommendations to the Board in December.
 - Mr. Sowa provided an update on the Phase 1B activities.
 - No Action.
- F.7 Consider adoption of Resolution 2019-11-20-002 approving a work order with Freese & Nichols, Inc. for Final Engineering and Procurement Services for the Authority's Phase 1B Segment D pipeline project, as recommended by the Technical Committee.
 - Motion to adopt Resolutions 2019-11-20-002 approving a work order with Freese & Nichols, Inc. for Final Engineering and Procurement Services for the Authority's Phase 1B Segment D pipeline project was made by Mr. Earp, seconded by Mr. Ramos and approved on an 8-0 vote.

- F.8 Consider adoption of Resolution 2019-11-20-003 approving an agreement for general counsel legal services with Lloyd Gosselink Rochelle and Townsend, P.C.
 - The Board recessed into Executive Session at 3:28 p.m. based on the motion by Mr. Ramos, second by Ms. Scheel on a vote of 8-0, pursuant of the Government Code, Section 551.071, to seek the General Counsel's advice regarding matters involving attorney-client privilege. The Board reconvened from Executive Session at 3:43 p.m. based on the motion from Mr. Ramos, second by Ms. Scheel and a vote of 8-0, at which time it resumed with the regular session.
 - Motion to adopt Resolution 2019-11-20-003 approving an agreement for general counsel legal services with Lloyd Gosselink Rochelle and Townsend, P.C. with changes to the Conflict of Interest paragraph to include language such that if a conflict arises with the City of Kyle or County Line Special Utility District and Alliance Water, that Lloyd Gosselink must receive written approval from both parties to serve either, was made by Mr. Earp, seconded by Mr. Taggart and approved on an 8-0 vote.
- F.9 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and CAPCOG activities.
 - Mr. Moore provided an update on area water meetings.
 - No Action.
- G. EXECUTIVE DIRECTOR AND LEGAL COUNSEL REPORTS
 - No action.

H. BOARD MEMBER ITEMS OR FUTURE AGENDA ITEMS

- It was noted that this was Mark Taylor's final meeting serving as General Legal Counsel. The Board and Staff thanked him for all of his effort through the years.
- I.1 Executive Session pursuant to the Government Code, Section 551.071 (Consultation with Attorney) and/or Section 551.072 and/or 551.073 (Real Property Deliberations) regarding:
 - A. Water supply partnership options
 - B. Groundwater leases
 - C. Acquisition of real property for water supply project purposes
 - No Executive Session.

- I.2 Action from Executive Session on the following matters:
 - A. Water supply partnership options
 - B. Groundwater leases
 - C. Acquisition of real property for water supply project purposes.
 - No Action.
- J. ADJOURNMENT
 - Meeting was adjourned at 3:58 p.m. based on the motion by Mr. Ramos, seconded by Mr. Taggart on a 8-0 vote.

APPROVED: _____, 2019

ATTEST:

Chair, Board of Directors

Secretary, Board of Directors

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

D.2 Consider approval of the financial report for November 2019. ~ *Graham Moore, P.E., Executive Director*

Background/Information

Attached is the financial report for the period ending in November 2019.

Attachment(s)

• 2019 11 30 Financial Report

Board Decision(s) Needed:

• Approval of the financial report for the period ending November 2019.



Alliance Regional Water Authority

Financial Statements (Compilation)

For the One Month Ended and Year-to-Date November 30, 2019

Alliance Regional Water Authority **Balance Sheet** As of November 30, 2019

	Nov 30, 19
ASSETS	
Current Assets	
Checking/Savings 1004 · Broadway Bank	
1005 · Broadway Checking (8040)	-25,528.42
1010 · Broadway Savings (4415)	267,823.98
To To Poladway Savings (4415)	207,023.98
Total 1004 · Broadway Bank	242,295.56
1015 · TexStar (3310)	4,096,883.37
1050 · Broadway Bank (Reserved)	
1051 · CRWA Debt Service (2785)	15,720.41
1052 · Kyle Debt Service (2787)	14,720.74
1055 · San Marcos Debt Service (6390)	39,604.64
1056 · Buda Debt Service (6391)	18,873.35
Total 1050 · Broadway Bank (Reserved)	88,919.14
1100 · Escrow Accounts	
1105 · BOKF, Escrow, CRWA Series 2015A	1,261,986.44
1106 · BOKF, Escrow, Kyle Series 2015B	1,143,358.09
1107 · BOKF, Escrow, CRWA Series 2017A	5,234,884.94
1108 · BOKF, Escrow, Kyle Series 2017B	4,770,236.05
1109 · BOKF, Escrow, SM Series 2017C	6,110,535.10
1110 · BOKF, Escrow, Buda Series 2017D	843,822.17
1111 · BOKF, Escrow, CRWA Series 2019A	26,163,297.00
1112 · BOKF, Escrow, Kyle Series 2019B	23,859,687.00
1113 · BOKF, Escrow, SM Series 2019C	30,407,127.00
1114 · BOKF, Escrow, Buda Series 2019D	4,230,057.00
Total 1100 · Escrow Accounts	104,024,990.79
Total Checking/Savings	108,453,088.86
Total Current Assets	108,453,088.86
Fixed Assets	
1405 · Engineering & Construction Cost	2,402,294.20
1420 · Projects in Progress (Cash)	
1420-01 · Legal Support	54,848.53
1420-02 · Hydrogelogic Support	162,991.44
1420-03 · PCCD Permitting	105,095.16
1420-04 · Kyle Water Model	25,000.00
1420-11 · Legal Support, GBRA	45,251.01
Total 1420 · Projects in Progress (Cash)	393,186.14
1430 · Projects in Progress Eng (Cash)	
1430-02 · Engineering - Plumbing Plan	17,663.79
1430-03 · Engineering Fees-ROW	11,594.69
1430-05 · Engineering - Rate Study	34,635.00
1430-06 · DPR Study	59,880.00
1430-07 · Alignment Study	261,120.80
1430-08 · Prelim Engineering-Well Field	65,586.00
1430-09 · GCUWCD Monitoring Wells	192,607.50
1430-10 · 2017 SWIFT Funding Apps	23,107.96
1430-11 · Blanco Basin WW	41,880.00
1430-12 · Phase 1B Programming	107,761.14
1430-12 · Phase TB Programming	15,000.00
1430-13 · ARWA-GBRA MOO Study 1430-14 · Phase 1A GIS	29,222.37
Total 1430 · Projects in Progress Eng (Cash)	860,059.25
Total 1400 " FTOJECIS III FTOYIESS EINY (Casil)	000,009.25

Alliance Regional Water Authority Balance Sheet As of November 30, 2019

	Nov 30, 19
1440 · Projects in Prog Eng. (Finance)	102.071.10
1440-01 · Engineering-Phase 1A Pipeline	485,074.40
1440-02 · Engineering-Phase 1A Pump Stat	697,552.58
1440-03 · Engineering-ROW Acquisition	322,261.19
1440-04 · Phase 1A Const Observation	428,246.16
1440-05 · Phase 1A-Construction Trailer	39,035.51
1440-06 · Phase 1A Segment A Construction	1,734,150.32
1440-07 · Phase 1A BPS Construction	4,391,264.41
1440-15 · Land Acquisition Phase 1B	3,849,807.98
1440-16 · Phase 1B-Owners Rep	3,754,765.60
1440-17 · Phase 1B Environmental	868,718.12
1440-18 · Phase 1B Segment A Design	583,600.20
1440-10 Phase 1B Segment B Design	507,199.06
	427,322.46
1440-20 · Phase 1B Segment C Design	
1440-21 · Phase 1B Segment D Design	646,472.14
1440-22 · Phase 1B Segment E Design	311,208.35
1440-23 · Phase 1B Land Attorney	163,787.35
1440-24 · Phase 1B Hydrogeology	116,960.00
1440-25 · Phase 1B WTP Design	989,074.88
1440-26 · Raw Water Infr.	462,716.55
1440-27 · Phase 1B Program Survey	1,417,847.80
1440-28 · Phase 1B BPS Design	523,197.12
1440-29 · GVEC Construction-in-Aid	1,000,000.00
1440-30 · Phase 1B Inline Tanks	1,694.56
Total 1440 · Projects in Prog Eng. (Finance)	23,721,956.74
1447 · Land & Easements	902,215.70
1448 · Capitalized Interest	
1448-51 · Cap Interest, CRWA Series 2015A	152,369.03
1448-52 · Cap Interest, Kyle Series 2015B	222,143.28
1448-53 · Cap Interest, CRWA Series 2017A	127,269.80
1448-54 · Cap Interest, Kyle Series 2017B	116,100.88
1448-55 · Cap Interest, SM Series 2017C	65,904.35
1448-56 · Cap Interest, Buda Series 2017D	9,576.21
	· · · · · · · · · · · · · · · · · · ·
Total 1448 · Capitalized Interest	693,363.55
1505 · Landowner Bonus Payments	1,043,191.83
1510 · GrWater Lease Acquisition Costs	1,004,905.76
1599 · Accumulated Amortization	-2,004,160.95
Total Fixed Assets	29,017,012.22
Other Assets 1900 · Deferred Outflow	12,740.77
Total Other Assets	12,740.77
TOTAL ASSETS	137,482,841.85
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Other Current Liabilities	
2102 · 401(a) Liability	3,473.73
2103 · Net Pension Liability	167.00
	707.00
2104 · Pension Deferred Inflows	707.00 448,141.31

Alliance Regional Water Authority Balance Sheet As of November 30, 2019

	Nov 30, 19
2350 · Accrued Interest Payable	
2351 · Accrued Int Payable, CRWA 2015A	18,254.39
2352 · Accrued Int Payable, Kyle 2015B	25,384.45
2353 · Accrued Int Payable, CRWA 2017A	68,779.06
2354 · Accrued Int Payable, Kyle 2017B	62,718.67
2355 · Accrued Int Payable, SM 2017C	51,723.28
2356 · Accrued Int Payable, Buda 2017D	7,390.33
Total 2350 · Accrued Interest Payable	234,250.18
Total Other Current Liabilities	686,739.22
Total Current Liabilities	686,739.22
Long Term Liabilities	2 405 000 00
2501 · Bond Payable, CRWA Series 2015A	3,405,000.00 3,260,000.00
2502 · Bond Payable, Kyle Series 2015B	9,605,000.00
2503 · Bond Payable, CRWA Series 2017A	8,755,000.00
2504 · Bond Payable, Kyle Series 2017B	10,910,000.00
2505 · Bond Payable, SM Series 2017C	1,550,000.00
2506 · Bond Payable, Buda Series 2017D	26,530,000.00
2507 · Bond Payable, CRWA Series 2019A 2508 · Bond Payable, Kyle Series 2019B	24,200,000.00
2509 · Bond Payable, SM Series 2019D	30,800,000.00
2510 · Bond Payable, Buda Series 20190	4,370,000.00
Total Long Term Liabilities	123,385,000.00
Total Liabilities	124,071,739.22
Equity	
2925 · Net Investment in Capital Asset	2,335,322.00
2950 · Retained Earnings	12,419,124.73
Net Income	-1,343,344.10
Total Equity	13,411,102.63
TOTAL LIABILITIES & EQUITY	137,482,841.85

Alliance Regional Water Authority Profit Loss

For the One Month and Two Months Ended November 30, 2019

	November 2019	October 2019 November 2019
Ordinary Income/Expense		
Income		
4010 · Project Contribution		
4011 · City of San Marcos	0.00	0.00
4012 · City of Kyle	0.00	0.00
4013 · City of Buda	0.00	0.00
4014 · Canyon Regional Water Authority	0.00	0.00
4015 · GBRA	325,616.95	325,616.95
Total 4010 · Project Contribution	325,616.95	325,616.95
4200 · Shared Water		
4210 · Shared Water, City of Buda	37,269.00	37,269.00
Total 4200 · Shared Water	37,269.00	37,269.00
4250 · Non Potable Water Sales	3,172.58	3,172.58
4300 · Broadway Interest Income		
4311 · City of San Marcos	169.83	378.00
4312 · City of Kyle	131.90	295.82
4313 · City of Buda	25.23	55.60
4314 · Canyon Regional Water Authority	144.59	324.31
Total 4300 · Broadway Interest Income	471.55	1,053.73
4350 · Escrow Accounts Income		
4351 · BOKF, CRWA Series 2015A	1,759.48	3,730.62
4352 · BOKF, Kyle Series 2015B	1,594.09	3,379.94
4353 · BOKF, CRWA Series 2017A	6,079.14	13,119.70
4354 · BOKF, Kyle Series 2017B	5,539.56	11,955.33
4355 · BOKF, SM Series 2017C	7,096.01	15,313.08
4356 · BOKF, Buda Series 2017D	982.23	2,117.71
Total 4350 · Escrow Accounts Income	23,050.51	49,616.38
4370 · TexStar Interest Income		
4371 · City of San Marcos	2,076.93	5,111.37
4372 · City of Kyle	1,631.54	4,015.26
4373 · City of Buda	294.22	724.09
4374 · Canyon Regional Water Authority	1,789.08	4,402.97
Total 4370 · TexStar Interest Income	5,791.77	14,253.69
Total Income	395,372.36	430,982.33
Expenses		
6000 · Groundwater Reservation Costs	195,221.73	198,040.04
6010 · Shared Water Costs		
6015 · Shared Water, City of Kyle	23,314.11	23,314.11
6020 · Shared Water, City of San Marcos	13,965.00	13,965.00
Total 6010 · Shared Water Costs	37,279.11	37,279.11
7125 · Auditing fees	0.00	0.00
7150 · Amortization Expense	0.00	0.00
7210 · Bank Fees	225.72	425.23
7210 · Bank rees 7220 · Escrow and Paying Agent Fees	1,400.00	1,400.00
1220 - ESCIÓW and Faying Agent rees	1,400.00	1,400.00

Alliance Regional Water Authority Profit Loss

For the One Month and Two Months Ended November 30, 2019

	November 2019	October 2019 November 2019
7240 · Bond Issue Costs		
7240-07 · Bond Issue Costs - CRWA 2019A	366,353.00	366,353.00
7240-08 · Bond Issue Costs - Kyle 2019B	339,963.00	339,963.00
7240-09 · Bond Issue Costs - SM 2019C	392,523.00	392,523.00
7240-10 · Bond Issue Costs - Buda 2019D	139,593.00	139,593.00
Total 7240 · Bond Issue Costs	1,238,432.00	1,238,432.00
7250 · Interest Expense		
7250-51 · Interest Expense - CRWA 2015A	5,215.54	10,431.08
7250-52 · Interest Expense - Kyle 2015B	7,252.70	14,505.40
7250-53 · Interest Expense - CRWA 2017A	19,651.16	39,302.32
7250-54 · Interest Expense - Kyle 2017B	17,919.62	35,839.24
7250-55 · Interest Expense - SM 2017C	14,778.08	29,556.16
7250-56 · Interest Expense - Buda 2017D	2,119.97	4,239.94
Total 7250 · Interest Expense	66,937.07	133,874.14
7325 · Dues	3,600.00	5,030.00
7350 · Insurance - Liability, E&O	0.00	2,370.62
7400 · Legal Fees	6,845.00	6,845.00
7410 · Newspaper Public Notices	0.00	0.00
7425 · Contract Services-Lobbyist	6,000.00	12,000.00
7430 · Agency Mgmt Public Relations	0.00	0.00
7440 · Region L Contributions	0.00	0.00
7450 · Permit & Fees	0.00	75,537.95
7500 · Supplies	524.19	1,348.20
7530 · Printing & Copying	0.00	0.00
7600 · Telephone, Telecommunications	225.00	450.00
7700 · Travel, Conferences & Meetings	232.48	499.04
7800 · Employee Expenses		
7810 · Salaries and wages	29,792.07	49,107.39
7820 · Auto Allowance	1,453.86	2,321.55
7830 · Payroll taxes	1,235.69	2,778.04
7840 · Employee Insurance	1,545.85	3,317.58
7850 · Retirement	1,984.14	3,270.54
Total 7800 · Employee Expenses	36,011.61	60,795.10
Total Expenses	1,592,933.91	1,774,326.43
Net Ordinary Income	-1,197,561.55	-1,343,344.10
Net Income	-1,197,561.55	-1,343,344.10

Alliance Regional Water Authority Broadway Bank VISA Debit Card Transactions November 30, 2019

Туре	Date	Name	Split	Amount	Balance
2005 · Broadway Bank Visa Card					0.00
Credit Card Charge	11/01/2019	Stamps Com	7500 · Supplies	17.99	17.99
Credit Card Charge	11/04/2019	Microsoft	7500 · Supplies	10.66	28.65
Credit Card Charge	11/04/2019	Microsoft	7500 · Supplies	26.79	55.44
Credit Card Charge	11/04/2019	Jaliscos	7700 · Travel, Conference	41.53	96.97
Credit Card Charge	11/04/2019	Hat Creek Burgers	7700 · Travel, Conference	25.25	122.22
Credit Card Charge	11/12/2019	United Site Service	1440-05 · Phase 1A-Cons	556.68	678.90
Credit Card Charge	11/12/2019	Aramark	7700 · Travel, Conference	8.39	687.29
Credit Card Charge	11/12/2019	Rackspace	7500 · Supplies	91.00	778.29
Credit Card Charge			1440-05 · Phase 1A-Cons	491.95	1,270.24
Credit Card Charge	11/18/2019	Rackspace	7500 · Supplies	113.27	1,383.51
Credit Card Charge	11/19/2019	1/19/2019 Cab Store 7500 · Supplies		125.00	1,508.51
Credit Card Charge	11/19/2019	Kreuz Market	7700 · Travel, Conference	17.99	1,526.50
Credit Card Charge	11/19/2019	Kreuz Market	7700 · Travel, Conference	88.69	1,615.19
Credit Card Charge	11/20/2019	HEB	7500 · Supplies	12.94	1,628.13
Credit Card Charge	11/21/2019	Sean Patricks	7700 · Travel, Conference	34.07	1,662.20
Credit Card Charge	11/22/2019	USPS	7500 · Supplies	50.00	1,712.20
Credit Card Charge	11/22/2019	City Bakery	7700 · Travel, Conference	16.56	1,728.76
Credit Card Charge	11/26/2019	Squarespace Inc	7500 · Supplies	28.15	1,756.91
Credit Card Charge	11/26/2019	Acrobat Pro	7500 · Supplies	18.39	1,775.30
Check	11/30/2019	Broadway	1005 · Broadway Checkin	-1,775.30	0.00
Total 2005 · Broadway Bank Visa Ca	ırd		_	0.00	0.00
TOTAL	0.00		0.00		

21

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

F.1 Report on Technical Committee activities. ~ Graham Moore, P.E., Executive Director

Background/Information

The following items were discussed by the Committee at its 12/11 meeting:

- Received an update on the Phase 1A projects (Item F.2).
- Received an update on the Phase 1B program (Item F.3).
- Recommended inclusion of specific cost saving measures into the Phase 1B Program. (Item F.4)
- Rescheduled the January Technical Committee meeting to Wednesday, January 15th.
- Received an update on area water meetings (Item F.6).

Board Decision(s) Needed:

• None.

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

F.2 Update and discussion regarding the status of the Authority's Phase 1A projects, and direction to staff and consultants. ~ *Jason Biemer, Project Coordinator*

Background/Information

Below are brief updates on the Phase 1A projects.

Segment A Pipeline:

None

Segment B Pipeline:

- Bid opened 8/22/2019 (recap).
 - 9/25 ARWA Board approved contingent award of contract to Smith Contracting, per LAN recommendation.
 - o Ductile Iron.
 - Contract cost \$3.811 million dollars.
- Notice to proceed received 12/5/2019.
- Pre-Construction kickoff meeting is scheduled for Tuesday, December 17th.

Pump Station:

• Pump station construction proceeding. See attached slides.

Board Decision(s) Needed:

• None.

Phase 1A Booster Pump Station

- Status Update
- December 11, 2019







Facility

Interior

Structures -

- HVAC system installation completed.
- Chemical feed system completing.
- Chemical leak safety system installation completing.
- Ventilation system installation completing.





Facility Structures -Landscaping

- Gates and fence installation underway.
- Road work nearing completion.
- Vegetation planting underway.
- Irrigation system installation completing soon.



Phase 1A Buda Delivery Point

- Canopy completed.
- Underground plumbing completed.
- SCADA and electrical systems next in installation sequence.



BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

F.3 Update and discussion regarding the status of the Authority's Phase 1B program, and direction to staff and consultants. ~ *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 December 18, 2019
- Kimley-Horn Monthly Invoice for November 2019

Board Decision(s) Needed:

• None.



Phase 1B Program Update

Board of Directors Meeting December 18, 2019



Agenda

ALLIANCE WATER

Ongoing Progress

Schedule & Budget Update



Ongoing Progress

Consultant Contracting Update

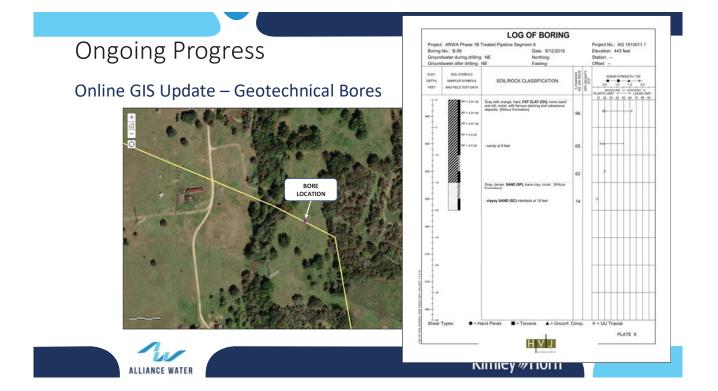
- Well Drilling
- Construction Phase Contract (January)Water Treatment Plant
- Valer Heatiment Flant
- Final Design Phase Contract (January)
 Pipeline Segment C
 - Final Design Phase Contract (February)
- Pipeline Segment E
 - Final Design Phase Contract (February)

Design Milestone Reviews

- Water Treatment Plant
 - Draft Engineering Feasibility Report (December)
- Booster Pump Station & Delivery Points
 Draft Engineering Feasibility Report (December)
- Raw Water Infrastructure
 - Final Engineering Feasibility Report (December)







Pipeline Route Analyses & Rights of Entry

Pipeline Segment	Number of Right-of-Entry Requests	Right-of-Entry Received or Access Granted (No. of Parcels)	Right-of-Entry Received or Access Granted (%)	Alignment Confirmed (%)
А	38	38	100%	100%
В	46	46	100%	85%
D	68	66	97%	82%
С	88	71	81%	0%
E	32	24	75%	6%
Wellfield	15	8	53%	0%
Total	287	253		



Kimley»Horn

Pipeline Easement Acquisition Status

Pipeline Segment	Number of Parcels	Appraisals Prepared	Inital Offer Letter Delivered	Purchase Agreement Signed / Easement Closed		
А	38	31	24	5		
В	46	6	1	1		
D	68	0	0	0		
С	88	0	0	0		
E	32	0	0	0		
Wellfield	15	0	0	0		
Total	287	37	25	6		

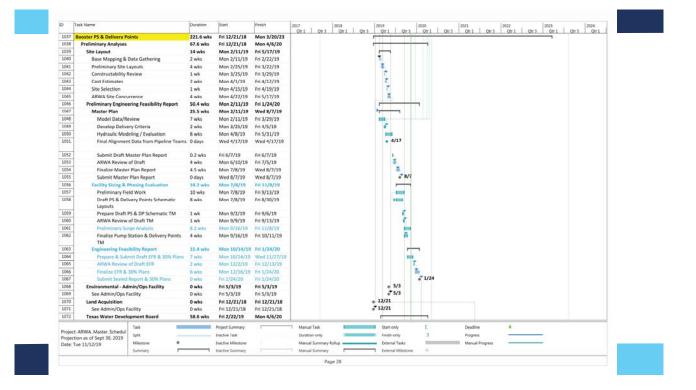


Questions?

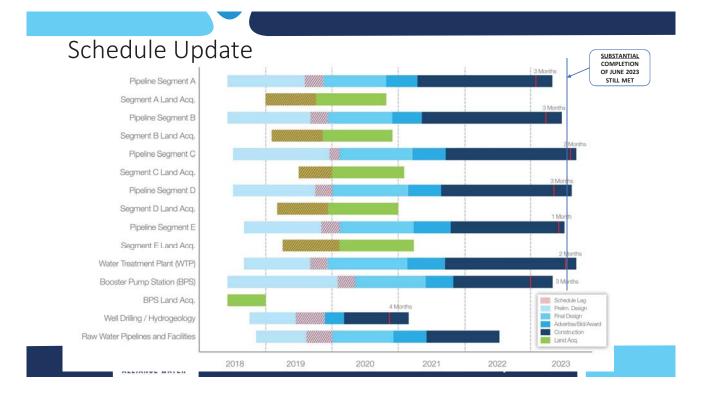


Schedule Update









Schedule Update

Transmission Pipelines

- Right-of-Entry Process Delay 6 to 8 months
 - IMPACTS:
 - Environmental Field Work 6 to 8 months
 - EFR Submittal 6 to 8 months
 - Land Acquisition 6 to 8 months
 - Pipeline Final Design 1 to 3 months
 - Pipeline Construction Completion 1 to 3 months
 - MITIGATION:
 - Decoupling of EFR Submittal Process from Final Design Process



Schedule Update

Well Drilling

- Delay 4 months
 - Pipeline / Access Road Alignment Confirmation and TWDB Environmental Review Process

Water Treatment Plant

- Potential Delay 2 months
 - Design Process and Program Direction (Minimum Flow Determinations)
 - MITIGATION: Accelerated Final Design Phase

Booster Pump Station

- Potential Delay 3 months
 - Design Process and Program Direction (Extended Hydraulic Analyses)
 - MITIGATION: Accelerated Final Design Phase



Budget Update





Opinions of Cost

н

Baseline Budget developed within the ARWA1B Preliminary Engineering Report

PIPELINE SEGMENT A		
CONSTRUCTION	SEGMENT A CONSTRUCTION	\$37,400,000
LAND ACQUISITION	EASEMENT PURCHASE	\$1,701,000
	LEGAL (\$25,000 / Easement for 25% of total easements)	\$262,500
	LAND AGENT (\$6,000 / Easement)	\$252,000
	APPRAISAL TEAM (\$4,500 / Easement)	\$189,000
	SURVEY (\$5,000 / Easement)	\$210,000
	TITLE SERVICES (\$500 / Easement)	\$21,000
SUPPORT SERVICES	ENGINEERING (9%)	\$3,366,000
	DESIGN SURVEY (3%)	\$1,122,000
	ENVIRONMENTAL (1%)	\$374,000
	INSPECTION (4%)	\$1,496,000
	CONSTRUCTION MANAGEMENT (1%)	\$374,000
	TESTING (1%)	\$374,000
CONTINGENCIES	CONSTRUCTION CONTINGENCY (30% OF CONSTRUCTION)	\$11,220,000
	EASEMENT CONTINGENCY (30% OF PURCHASE)	\$510,300
	SUPPORT SERVICES CONTINGENCY (5% OF CONSTRUCTION)	\$1,870,000
	SUBTOTAL (ROUNDED)	\$60,700,000

PELINE SEGMENT A

	BASE OF	BASE		2018	S							2019							
	ESTIMATE	TSD04		14	142	13-18	ANUARY	FEBRUARY	MARCK	APRIL	MAT	JUM	.A4CF	AUGUET	SEPTEMBER .	OCTOBER	NOVEMBER	DECEMBER	19.24
ONETRUCTION		\$17,896,000	BUDGET AN/DOLED	30		10	30		50	34	14	50	34 55	5		54	14		
AND ACQUISITION	1.075733	\$2,405,500 COMM	BUDGET	50 50	520,500	\$485,300 \$7,095	\$85,850 50	180,850	181,850 51,743	385,850	\$80,850 \$1,792	\$81,850 \$1,774	\$41,295 E1.414	\$41,395 \$11,394	941,351	540,295	941,335	341,395	100,0
EASEMENT PURCHASE	28,000/Acre 42 Castemants	\$1,701,000	AUDIGET MUSICILIE	50	30	50	50	50	50	50	50	50	50	30	20	50	50	50	
LEGAL .	\$25,000/basement for 25%	\$242,500	BUDGET	54	1		31	- F	54	31	N N	50	SULAN.	DLIN.	ALL IN	121.471	siun.	\$11,875	tinur
LANE AGENT	24,000 Casarrand	\$252,000	800-017	50	50	175,MB	\$11,000	\$11,000	112,400	112,000	\$12,000	111,400	10,00	E10,310	10,00	LOADS	120,339	\$15,520	\$115,9
Contracted, Andrews & Research, No. APPRACIAL TEAM	DA300/Ratestier4	1184.000	BLOGT	50	10	1140,000	30 131,500	111,500	\$1,768	81,794	\$1,792	\$1,774 \$31,550	10.00	812,204	50	94 94	50	50	125.4
Sumity (SLED) / East-seril	N. SW. Taxatland	1712.000	AVOID BLOOPT	50	50	50	50	50	50	50	50	50	50	52	50	50	50	50	
TITLE SHRVICES	SNOT evenent	1/1.000	AND GED	50	50	50	50	30	50	50	50	50	50	50	50	98	50	50	
			MINITAL DI	54	10	54	30	50	50	34	54	54	54	54		34	54	- 5	
Langert Langerts	In all family allow	SQLARGERS COMM	ALC: NVOICE	1005.641	SATE AND	574,001	571,090	5110,005	5110,004	5154,820	500,000	Senare	354,734	264,000	201.100	544,790	5000,555	Data Contra	5254.9
Internet Contract	Whi of Communition, Eachuring Design Survey	\$4,488,000	BLOOLT BANDAGED	394,731	1105,991	\$314,009 \$344,903	558,817 134,811	\$198,827 \$40,813	214,317	559,317	\$10,827 \$30,411	234,327 336,486	5206,254	SADA, ADA	146.671	5305,834	1 NOLAH	\$306,434	LLADA.M.
Parang Depreseng	25% of Engineering Allowance	\$841,500	MONT MONT	564,711 140,171	5386,345	\$154,019 1264,911	554,536,54 534,661	119,336.54 540,933	\$19,330.54 1007.444	\$55,836,54 \$11,721	199,196.54 E38,455	\$39,316.54 EM.488	33,394	55,794	55,994	55,394 015,394	35,394	\$5,894	512.0
tou begn	NO % of Engravering Advance	\$2,015,549	BUDGET ANYONED	50	50	50	51.00	56.00	\$0.00	50.00	53.00	Store	STLAN	inLaw	STLAN	SPLAN	\$91,800	SPLACE	\$356.M
Service Series	4% of Engineering Allowance	8134,640	BUDGET	34	50	50	\$0.00	\$1.00	52.00	\$9.00	\$2.00	\$2.00	\$22,448	\$32,440	\$23,440	\$72,440	\$23,440	(D.),440	104A
Oreign Survey	2% of Construction	\$4,128,000	BUDGET	54	50	50	50.00	34.00	\$2.00	50.00	53.00	30.00	5504 5187,800	\$2,512	106,111 (187,00)	\$147,000 \$187,000	54	\$187,000	\$45,67 \$1,123,00
Construction Services	27h of 3rgheering Albeance	5196.600	BLOGET	90 50	50	56	90 90.00		50 30.00	90 \$0.00	30	30.00	M	50 54	10	M 54	50	50	
CRAM Manual	25 of Engineering Allowance	SILME	8600000 800561	94		w	Sinte	50.00	50.00	Sille	50.00	50.00	je .			ýd.		-	
DW#DWENTAL	1 h of Construction	\$401,000	REFORTE BUDGET		108,739	10430	18,510	199,752.02	\$40,752.02	18/2/11	590,752.02	\$80,752.02	123,645,76	1/1.645.76	Silves In	123.66.74	\$25,845.76	523,645.79	Link.
NOTION .	4% of Construction	\$1,496,000	MICOCOD BLOCKET	\$2,1,14	542,487	381,773	111,01	\$11,941	\$6,548	124,248	111,410	317,466	01,249	\$11,508	54,765	14,942	84	50	\$10.50
	-		MORE	54		50	54	14	50	54		10	54	10	1	м	54	- 10	
CONDITION MANAGEMENT	2% of Construction	\$124,000	BLOGET	50	50	50	50 52	50	50	50 50	50	50	34 52	34 52	10	54	50	50	
1137744	2% of Construction	\$174,000	BUDINET	10	30	50	50	50	50	30	50	50	30	54	50	30	34	10	
BASE BUDGET SEG A TOTALS		545.706.000		\$294,517	SERLAND	SLML11	\$206,885	SNK.MS	\$206,885	\$306,885	\$216,885	\$206,885	5457,422	5487,422	\$407,422	5407.422	\$487,422	\$407,422	\$2,444,51
		1-00002002	mons	\$305,832	\$385,890	\$553,396	\$71,370	\$105,919	\$232,787	\$71,412	\$82,539	\$95,650	\$42,138	176,506	\$92,588	\$44,780	50	10	\$274,62
IASE BUDGET SEG A CUMMULATIVE	TOTALS	ORMANA	THE INVOICES	\$396,517 \$385,811	\$488,817 \$481,721	\$2,134,428 \$1,044,117	\$1,0%,382 \$362,991	S1,303,087 \$846,909	\$2,509,872 \$796,896	\$1,716,858 \$870,128	\$1,923,743 \$952,667	\$2,130,628 \$1,044,117	\$2,516,049 \$1,316,251	\$2,945,471 \$1,182,785	\$8,352,892 \$1,275,549	\$3,790,114 \$1,118,729	\$4,167,736 \$1,358,729	\$4,375,137 \$1,318,719	54,575,33 51,314,71
ONTINGENCES		\$13,600,000		34	\$10,000	tiesan	\$28,101	\$26,107	128.171	\$28,315	\$28,207	\$28,121	25.014	23.434	19.614	13.614	DAM.	10.000	10.0
CONSTRUCTION CONTINUENCY	Alth of Centhystian	\$11,225,000		90	345	547	90	34	547	90	94	547	- 192	54	541	90	54	547	/ 100.1
EAGEMENT CONTINUENCY SUPPORT SERVICES CONTINUENCY	30% of Construction 5% of Construction	\$110,300		50	\$20,100	3106,002	128,301	126, 225	\$28,301 50	128,301	\$28,005 \$4	528,321	33,834 52	29,434	98.854	35,834	28,634	38,654	tro'w
VILINE GEARINT & TOTALS		543.500.000		6356.537	\$710.008	\$1.608.914	5254.5M	\$214,986	\$234.989	C254.5M	1214.000	6234.989	1417.054	5417.014	\$417,014	5417.056	\$417,254	\$417.0he	\$2,562.W
PELINE SOSMENT & COMMUNICATIVE TOTALS		Get Router		1206,517	\$818,425	SLURAH	31,256,610	11,101,101	SUADOM	SUBDAY.	\$2,094,318	\$2,339,300	\$2,710,311	33,369,452	SLIBURT	\$2,007,548	54,414,819	SAMPLARY	SA, MILLA
AWA CUMMULATIVE BUDGET SHARE W/ CONTINUE		\$16,500,000		5104,218	5410,712	\$5,354,889	\$177,208	\$4M,010	\$812,181	\$1074,884	\$1,047,178	\$1,584,868	\$LINUST	\$1,581,725	51,791,213	\$1,998,791	\$2,227,329	SALAD LAD	\$2,415,8
AWA CUMMULATIVE BUDGET DAARE w/o CONTINUE	ENC?	\$38,600,000		\$104,294	5446,839	\$1,045,114	5348,301	5651,544	\$754,988	\$454,429	\$941,875 \$476,386	\$1,065,814	\$1,249,029	\$5,472,735	51,676,446	\$1,880,137	\$2,083,868	\$1,287,579	82102
BRA CUMMALATIVE BUDGET SHARE M/ CONTINUES	25	\$34,800,000	-										\$5,878,997	\$575,200					
BRA CUMMULATIVE BUDGET SHARE W/ CONTINUE		\$21,300,000		5104,259	5455,712	53,164,869	\$577,895 \$548,301	5454,556	5452,595	5424,444	\$1,847,176	11,065,214	51,099,025	\$LML775	31,791,254	51,094,745	52,207,505	52,415,857	\$2,415,81
CORE NOTING COMPLEATING COST IMAGE				512,914	List.max	5572.056	1285.495	1251.015	1105.345	1411.054	5476.234	1121.010	8558.328	2541.384	Sale also	1051.005	1410.361	1415.001	Late a



Budget Update

Budget Development

- ARWA1B Preliminary Engineering Report
 - Serves as Baseline

Budget Tracking

- Monthly Expenditures
 - Invoices
- Budget Updates
 - Actual Contract Amounts
 - Updated Cost Projections
- TWDB Milestones & Funding Releases



Kimley»Horn

ARWA PHASE 1B COST TRACKING COMBINED PROGRAM
Through September 2019

PHASE 1B COMBINED PROGRAM SUMMARY	PLANNING BUDGET		June	2019 September	December	TOTAL
WATER TREATMENT PLANT CUMULATIVE TOTAL	\$46,700,000	BUDGET	\$1,791,000 \$1,221,000		\$4,194,000	\$46,726,00
BPS & GBRA METERING STATIONS CUMULATIVE TOTAL	\$24,100,000	BUDGET	\$1,200,000 \$493,000		\$2,607,000	\$24,022,00
IN-LINE EST (COMBINED PROGRAM) CUMULATIVE TOTAL	\$3,290,000	BUDGET	\$88,000 \$58,000		\$179,000	\$5,239,00
PIPELINE SEGMENT A CUMULATIVE TOTALS	\$49,700,000	BUDGET ACTUAL	\$2,131,000 \$1,044,000	\$3,353,000 51,274,000	\$4,575,000	\$49,685,00
PIPEUNE SEGMENT & CUMULATIVE TOTALS	\$47,400,000	BUDGET	\$1,433,000 \$956,000	\$2,007,000 \$1,169,000	\$3,637,000	\$47,416,00
PIPELINE SEGMENT D CUMULATIVE TOTALS	\$\$3.300,000	BUDGET	\$2,020,000 \$1,044,000	\$2,650,000 \$3,422,000	\$3,865,000	\$\$3,283,00
PIPEUNE SEGMENT EL CUMULATIVE TOTALS	\$15,500,000	BUDGET	\$399,000 \$367,000	\$521,000 \$433,000	\$620,000	\$15,505,00
PROGRAM CUMULATIVE TOTALS WITHOUT CONTINGENCY	\$241,900,000	BUDGET	\$9,062,000 55,183,000	\$13,966,000 \$8,035,000	\$19,677,000	\$241,875,00
ACCUMULATED PROGRAM CONTINGENCY	\$64,200,000	BUDGET	51,290,000	52,073,000	\$2,856,000	\$64,268,00
IWA AND GBRA CASH FLOW FORECASTS ARWA CUMULATIVE CASH FLOW	\$145,300,000	BUDGET	\$4,496,000 \$2,592,000	\$6,848,000 \$4,017,445	59,761,000	\$145,365,000
GBRA CUMULATIVE CASH FLOW	596,500,000	BUDGFT ACTUAL	\$4,496,000 \$2,577,000	54,848,000 53,974,000	\$9,761,000	\$96,509,00
RWA AND GRRA CONTINGENCY ACCUMULATION FORECASTS ARWA CUMULATIVE CONTINGENCY ACCUMULATION	\$39,500,000	BUDGET	\$645,000	\$1,036,000	\$1,428,000	\$39,462,000
GBRA CUMULATIVE CONTINGENCY ACCUMULATION	\$24,800,000	BUDGET	\$645,000	51,036,000	\$1,428,000	\$24,806,00

ALLIANCE WATER

ARWA PHASE 1B COST TRACKING -- ARWA PHASE 1B PROGRAM SUMMARY Through September 2019

PHASE 1B ARWA PROGRAM SUMMARY	PLANNING					
	BUDGET		June	2019 September	December	TOTAL
ARWA-ONLY PROJECTS						
WELLFIELD CUMULATIVE TOTAL	\$3,800,000	PLANNED	\$178,000 \$100,000	\$200,000 \$100,000	\$800,000	\$3,800,0
AAW WATER INFRASTRUCTURE CUMULATIVE TOTAL	\$7,400,000	PLANNED	\$900,000 \$700,000	\$1,364,000	\$1,500,000	\$7,878,0
ARWA-ONLY WATER TREATMENT PLANT CUMULATIVE TOTAL	\$2,600,000	PLANNED ACTUAL	\$2,564,000 \$2,564,000	\$2,564,000 \$2,564,000	\$2,564,000	\$2,564,0
BPS Seg C & ARWA DELIVERY POINTS CUMULATIVE TOTAL	\$7,800,000	PLANNED	\$617,000 \$548,000	\$987,000 \$631,000	\$1,957,000	\$7,753,0
INLINE EST SEG C CUMULATIVE TOTAL	\$\$,200,000	PLANNED	\$#3,000 \$51,000	\$105,000 \$84,000	\$170,000	\$3,254,0
ADMIN & OPS CENTER CUMULATIVE TOTAL	\$4,300,000	PLANNED	\$76,000 \$37,000	\$157,000	\$238,000	54,346,0
PIPELINE SEGMENT C CUMULATIVE TOTALS	\$47,100,000	PLANNED	\$2,237,000 \$1,101,000	\$2,774,000	\$3,232,000	\$67,069,0
PIPELINE SEGMENT E2 CUMULATIVE TOTALS	\$6,800,000	PLANNED	\$173,000 \$166,000	\$226,000	\$269,000	\$4,803,0
ARWA CUMULATIVE CASH FLOW ARWA-ONLY PROGRAM	598,200,000	PLANNED	\$4,700,000 \$5,100,000	58,000,000	\$10,000,000 \$0	\$98,000,0
OMBINED PROGRAM PROJECTS						
WATER TREATMENT PLANT CUMULATIVE TOTAL	\$24,500,000	NUDGET ACTUAL	\$896,000 \$610,000	\$1,886,000 \$1,420,000	\$2,097,000	\$24,535,0
BPS & GRRA METERING STATIONS CUMULATIVE TOTAL	\$13,300,000	BUDGET ACTUAL	\$407,000 \$347,000	\$955,000 \$411,000	\$1,304,000	\$13,318,0
IN-LINE EST (COMBINED PROGRAM) CUMULATIVE TOTAL	\$3,600,000	BUDGET ACTUM	\$44,000 \$29,000	\$56,000 \$17,000	\$89,000	\$3,619,0
FIFELINE SEGMENT & CUMULATIVE TOTALS	\$28,400,000	BUDGET ACTUAL	\$1,065,000 \$532,000	\$1,676,000 \$637,000	\$2,288,000	\$28,582,0
PIPELINE SEGMENT & CUMULATIVE TOTALS	\$29,500,000	BUDGET ACTUAL	\$717,000 \$478,000	\$1,003,000 \$581,000	\$1,818,000	\$29,506,0
PIPELINE SEGMENT D CUMULATIVE TOTALS	\$34,300,000	BUDGET	\$1,010,000 \$522,000	\$1.345,000 \$711,000	\$1,932,000	\$36,308,0
PIPELINE SEGMENT EL CUMULATIVE TOTALS	\$9,500,000	BUDGET ACTUAL	\$198,000 \$184,000	5260,000 5217,000	\$310,000	\$9,497,0
ARWA CUMULATIVE CASH FLOW COMBINED PROGRAM	\$145,300,000	PLANNED	\$4,538,000 \$2,592,000	\$4,981,000 \$4,018,000	\$9,838,000	\$145,365,0
RWA PHASE1B CUMULATIVE CASH FLOW W/O CONTINGENCY	\$243,500,000	PLANNED ACTUAL	\$11,238,000 \$7,692,000	\$14,881,000 \$9,718,000	\$15,838,000	\$243,355,0
RWA CUMULATIVE CONTINGENCY ACCUMULATION	\$105,500,000	PLANNED	\$2,014,000	\$2,992,000	54,132,000	\$105,611,0

Budget Update

Next Steps

- Update for Program Cost Directives
- Update with 30% Cost Projections
- Continuous Monthly Tracking
- Quarterly Updates to Technical Committee and Board



Kimley»Horn

Questions?



Kimley»Horn

Kimley »Horn _____

ALLIANCE REGIONAL WATER AUTHORITY ATTN: GRAHAM MOORE 1040 HIGHWAY 123 SAN MARCOS, TX 78666

Please send payments to: KIMLEY-HORN AND ASSOCIATES, INC. P.O. BOX 951640 DALLAS, TX 75395-1640 Invoice No: Invoice Date: Invoice Amount: Project No: Project Name: Project Manager: 068706602-1119 Nov 30, 2019 \$ 212,818.12 068706602 ARWA PROGRAM YEAR 2 SOWA, RYAN

Client Reference:

For Services Rendered through Nov 30, 2019

Federal Tax Id: 56-0885615

COST PLUS MAX

KHA Ref # 068706602.3-15352459

Description	Contract Value	Amount Billed to Date	Previous Amount Billed	Current Amount Due
PROGRAM MANAGEMENT PLAN UPDATES	39,934.00	9,148.50	8,278.50	870.00
STAKEHOLDER COORDINATION	299,997.00	217,514.64	187,492.61	30,022.03
BUDGETTING	111,073.00	89,417.70	87,957.70	1,460.00
SCHEDULE	113,584.00	71,776.40	70,451.40	1,325.00
REPORTING	40,450.00	35,167.50	31,312.50	3,855.00
DATA MANAGEMENT	83,746.00	88,850.18	84,366.93	4,483.25
ENVIRONMENTAL MANAGEMENT	193,252.00	86,713.93	74,619.50	12,094.43
LAND ACQUISITION MANAGEMENT	289,226.00	307,037.75	257,514.70	49,523.05
TEXAS WATER DEVELOPMENT BOARD MANAGEMENT	70,764.00	31,174.86	26,815.96	4,358.90
DESIGN STANDARDS	287,643.00	241,470.52	217,613.77	23,856.75
ENGINEERING DESIGN MANAGEMENT	831,824.00	551,243.50	489,670.68	61,572.83
QUALITY ASSURANCE	46,646.00	49,387.96	48,348.46	1,039.50
ELECTRICAL POWER PLANNING	105,747.00	48,774.99	41,693.71	7,081.28
PERMIT COORDINATION/TRACKING	57,683.00	41,429.83	36,490.83	4,939.00
PROJECT ADMINISTRATION	53,067.00	34,081.77	30,272.17	3,809.60
OTHER SERVICES	252,467.00	80,113.30	77,585.80	2,527.50
Subtotal	2,877,103.00	1,983,303.34	1,770,485.22	212,818.12
Total COST PLUS MAX	•	•		212,818.12

Total Invoice: \$ 212,818.12

If you have questions regarding this invoice, please call Jessica Olivarez at (972) 770-1352.

December 13, 2019

Project Monthly Summary

November 2019 Tasks Performed:

- Task 1 Program Management Plan (PMP)
 - Finalized additional updates to the Real Estate Acquisition and Management Plan based on feedback from ARWA.
- 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 for Project Advisory Committee Meeting Update.
 - Prepared and presented Technical Committee Meeting Update.
 - Prepared and presented Board Meeting Update.
 - Prepared for and held Monthly Status Meeting with Alliance Water.
- Task 3 Budgeting
 - Continued cost analyses and development of supporting materials for evaluating potential reductions in overall Program costs.
 - Continued updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
- Task 4 Schedule
 - Coordinated with Program team to integrate each project schedule into overall Program schedule.
- Task 6 Data Management
 - Ongoing maintenance of Microsoft SharePoint Online program.
 - Continued updating of web-based GIS for right-of-entry process and alignment changes.
- Task 7 Environmental Management
 - Performed coordination between Program Environmental Consultant and Land Acquisition Consultant to clarify environmental field work to be done on properties as part of right-of-entry process.
 - Monthly progress meeting and ongoing coordination with Program Environmental Consultant.
 - Continued coordination between Program Environmental Consultant and Design Engineers.
 - Reviewed Program Environmental invoices, schedule, and risk log.

- Task 8 Land Acquisition Management
 - Attended Temporary Injunction Hearings for multiple parcels where the Program is seeking a ROE.
 - Coordinated the appraisal process for Segment A and Segment B 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-ofentry and to provide Program clarification on any questions/requests that have come from landowners.
 - Reviewed Program Land Acquisition team, Program Legal, and Program Survey invoices.
 - Continued 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 and environmental reports currently under review.
- Task 10 Design Standards
 - Finalized Front End Contract Documents based on comments from ARWA.
 - Finalized addressing comments from GBRA, ARWA, and design consultants regarding the Pipeline Construction Standards.
 - Continued coordinating with ARWA for the continued development of standards for fiber and SCADA.
 - Continued development of Cathodic Protection Program Standards.
- Task 11 Engineering Design Management
 - Pipelines:
 - Segment A
 - Coordinated with design consultant to finalize EFR given alignment revisions.
 - Continued coordination with design consultant for final design.
 - Segment B
 - Coordinated with design consultant to finalize EFR.
 - Continued coordination with design consultant for beginning final design.
 - Segment C
 - Continued coordination with design consultant regarding ongoing field work as part of right-of-entry process and EFR development.
 - Segment D

- Coordinated with design consultant to finalize EFR.
- Continued coordination with design consultant regarding ongoing field work as part of right-of-entry.
- Coordinated with design consultant to prepare the scope and fee for final design and procurement phase.
- Segment E
 - Continued coordination with design consultant regarding ongoing field work as part of right-of-entry process and EFR development.
- Wellfield:
 - Continued coordination regarding front end documents for the bidding of Wells 6-9.
 - Began scoping process coordination for construction phase.
- Raw Water Infrastructure:
 - Reviewed and commented on 30% Design Report.
 - Continued coordination with design consultant for 30% design development.
- Water Treatment Plant:
 - Reviewed and commented on 30% Design Report.
 - Continued coordination with design consultant for 30% design development.
 - Began scoping process coordination for final design phase.
- Booster Pump Station:
 - Reviewed and commented on 30% Design Report.
- Inline Elevated Storage Tanks:
 - Coordinated with design consultant concerning for 30% design development and potential site selection.
- Administrative & Operations Facility
 - Continued coordination with the design consultant to finalize scope and fee.
- 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 coordinated with ARWA concerning emergency power needs and service options for the water treatment plant and wellfield.
 - Continued coordination with GVEC regarding electric service to the WTP and wellfield.
- Task 14 Permit Coordination/Tracking
 - o Continued Permit coordination with Pipeline consultants

- Continued coordination with Caldwell County concerning variance request for the Site Development Permit
- Continued General Coordination with TxDOT
- Continued General Coordination with GVEC and BBEC
- Prepared for and attended coordination meeting with GVEC
- On-going Permit Tracking Log Updates
- Task 17 Other Services
 - Prepared a draft solar field feasibility analysis for the WTP site.

December 2019 Projection:

- Task 2 Stakeholder Coordination
 - Coordination and/or meetings with entities including: Caldwell County, Guadalupe County, GVEC, Bluebonnet Electric Coop, TxDOT, TCEQ, and TWDB.
 - Continue weekly task coordination with Alliance Water.
 - Prepare and present Project Advisory Committee Meeting Update.
 - Prepare and present Technical Committee Meeting Update.
 - Prepare and present Board Meeting Update.
 - Prepare for and held Monthly Status Meeting with Alliance Water.
- Task 3 Budgeting
 - Provide any additional cost data in support of the program cost analysis process.
 - Finalize updates to Budget Workbook to include monthly tracking of actual costs for ARWA review.
- Task 4 Schedule
 - Coordinate with Program team to integrate each project schedule into overall Program schedule.
- Task 6 Data Management
 - Ongoing maintenance of Microsoft SharePoint Online program.
 - Continued updating of web-based GIS for right-of-entry process and alignment changes.
- Task 7 Environmental Management
 - 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
 - Attended Temporary Injunction Hearings for multiple parcels where the Program is seeking a ROE.
 - Coordinate the appraisal process for Segment A and Segment B 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-ofentry and to provide Program clarification on any questions/requests that have come from landowners.
 - Review Program Land Acquisition team, Program Legal, 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 and environmental reports currently under review.
 - Assisted with TWDB budget revisions for loan submittal.
- Task 10 Design Standards
 - Finalize and send out the Pipeline Construction Standards for Manufacturer review.
 - Continue coordinating with ARWA for the continued development of standards for fiber and SCADA.
 - Continue development of Cathodic Protection Program Standards.
- Task 11 Engineering Design Management
 - Pipelines:
 - Segment A
 - Continue coordination with design consultant to finalize EFR given alignment revisions.
 - Continue coordination with design consultant for final design.
 - Segment B
 - Continue coordination with design consultant to finalize EFR.
 - Continue coordination with design consultant regarding for final design.
 - Segment C
 - Continue coordination with design consultant regarding ongoing field work and pipeline alignment considerations as part of right-of-entry process and EFR development.

 $[\]label{eq:source} $$ NAFP01\Data\Project\SNA_Utilities\068706601\DOCS\BILLING\Year\2201911\201911_Monthly_Summary.docx\BILLING\Year\2201911\201911_Monthly_Summary.docx\BILLING\Year\2201911\201911\BILLING\Year\2201911\20191$

- Continue review of scope and fee for final design phase.
- Segment D
 - Continue coordination with design consultant for beginning final design.
- Segment E
 - Continue coordination with design consultant regarding ongoing field work as part of right-of-entry process and EFR development.
 - Begin scoping process coordination for final design phase.
- Wellfield:
 - Continue coordination regarding bidding of Wells 6-9.
 - Continued review of scope and fee for construction phase.
- Raw Water Infrastructure:
 - Review and comment on 30% Design Report.
 - Continue coordination with design consultant for 30% design development.
- Water Treatment Plant:
 - Review and comment on 30% Design Report.
 - Continue coordination with design consultant for 30% design development.
- Booster Pump Station:
 - Review of 30% Design Report to be submitted by the design consultant.
 - Begin scoping process coordination for final design phase.
- Inline Elevated Storage Tanks:
 - Provide input on potential EST sites.
 - Coordination with design consultant for 30% design development.
- \circ 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
 - Coordination with ARWA concerning emergency power needs and service options for the water treatment plant and wellfield.
 - Coordination with GVEC regarding electric service to the WTP and wellfield.
- Task 14 Permit Coordination/Tracking
 - Continue Permit coordination with Pipeline consultants
 - Continue Coordination with Caldwell County for variance request for the Site Development Permit.
 - o General Coordination with TxDOT
 - General Coordination with GVEC and BBEC
 - Prepare for and attend coordination meeting with GVEC.
 - o Permit Tracking Log Updates

- Task 17 Other Services
 - Finalize and submit the City of San Marcos Watershed Protection Plan for the Booster Pump Station Plat.
 - o Submit solar feasibility analysis to ARWA and finalize memorandum.

Scope Elements Added/Removed:

Performance of a solar field feasibility analysis at the WTP site and preparation of memorandum.

Outstanding Issues/Concerns:

None at this time.

HUB Participation:

<u>61.0</u>% allotted by Contract (based on contract total fee)

<u>49.5</u>% to date of Billing

Design Consultant Certifications: N/A

Kimley **»Horn**

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

Sub Consultant	Sub Consultant Certifications	Task Description	Contract Value (\$)	Percent Complete to Date (%)	Amount Billed to Date (\$)	Amount Paid to Date (\$)
Foster CM Croup, Inc.	DBE; AABE; MBE; SBE	Budgeting, Schedule, and Data Management	\$228,846.00	65%	\$149,657.55	\$149,657.55
CP&Y, Inc.	ABE; MBE	Program Standards, Compliance, and Project Management	\$925,009.00	53%	\$486,796.78	\$422,564.45
Grubb Engineering, Inc.	ESBE; SBE; WBE	Electrical Power Planning	\$99,000.00	42%	\$41,221.13	\$35,202.76
Spitzer and Associates, Inc.	SBE; WBE	Land Acquisition Management	\$388,720.00		\$292,180.90	\$246,207.50
RVK Architects, Inc.	WBE	Architectural Project Management	\$49,165.00	17%	\$8,432.34	\$6,873.09
V&A Consulting Engineers, Inc.	SBE; HABE; MBE	Cathodic Protection Standards	\$64,678.00	7%	\$4,405.50	\$4,405.50
		Subtotal	\$1,755,418.00	56.0%	\$982,694.20	\$864,910.84

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

F.4 Consider adoption of Resolution 2019-12-18-001 approving modification to the Phase 1B Program to incorporate various cost saving measures, as recommended by the Technical Committee. ~ *Graham Moore, P.E., Executive Director*

Background/Information

A Board Workshop meeting was held on October 16th to discuss the eight cost saving measures that were identified for the Phase 1B Program. Staff will quickly go through the basic presentation that was provided at the Workshop, along with a few updates, including the Technical Committee Recommendations.

Attachment(s)

- Resolution 2019-12-18-001
- 2019-12-18 Cost Saving Measure Presentation

Technical Committee Recommendation(s)

- The Committee unanimously recommended the incorporation of the following cost saving measures into the Phase 1B Program:
 - Peaking Factor Reduction for Segment A from 1.5 to 1.3 (48-inch line to a 42-inch; bid both pipeline sizes).
 - Peaking Factor Reduction for the Water Treatment Plant and Booster Pump Station from 1.5 to 1.0 (size critical items that cannot easily be expanded for full 1.5 peaking factor).
 - Re-Packaging of the Segment A and B Pipeline Projects with the Water Treatment Plant and Booster Pump Station.
 - Revise Design Criteria to Extend Minimum Spacing between Valves to 13,000feet or at Critical Crossings.
 - Request an Exception from TCEQ to Allow for the Elimination of Pipeline Casing at Intermittent or Mostly Dry Creek Crossings where Scour is not Anticipated to be a Problem.

Board Decision(s) Needed:

 Adoption of Resolution 2019-12-18-001 approving modification to the Phase 1B Program to incorporate cost saving measures as recommended by the Technical Committee.



RESOLUTION NO. 20191218-001

A RESOLUTION OF THE ALLIANCE REGIONAL WATER AUTHORITY BOARD OF DIRECTORS APPROVING MODIFICATION OF THE PHASE 1B PROGRAM TO INCORPORATE COST SAVING MEASURES, AND DECLARING AN EFFECTIVE DATE

RECITALS:

1. The Alliance Regional Water Authority (the "Alliance Water") approved the Execution Structure and Other Items related to Alliance Water's Phase 1B Program through the adoption of Resolution 20171025-006. It also adopted changes to the Canyon Regional Water Authority delivery location and flowrate through the adoption of Resolution 20180627-004.

2. Preliminary construction cost estimates for the Phase 1B Program have indicated that costs may exceed the initial planning estimates and the committed funding amount of \$213.4 million approved by the Texas Water Development Board for Alliance Water.

3. The Alliance Water Staff and Owner's Representative have embarked on effort to identify various cost saving measures that could be implemented in the Phase 1B Program to reduce the anticipated construction costs. Eight possible cost saving measures were presented to the Alliance Water Board of Directors at a Workshop Meeting held on October 16, 2019.

4. At their December 11, 2019 meeting, the Technical Committee unanimously recommended to the Board the incorporation of the following cost saving measures into the Phase 1B Program:

- **a.** Pipeline Peaking Factor: Reduce the peaking factor in the Segment A Pipeline (Water Treatment Plant to Lockhart) from a 1.5 multiplier to a 1.3 multiplier. This equates to a change in pipe size from a 48-inch diameter to a 42-inch diameter pipeline. The Segment A project will be bid at both the 48-inch and 42-inch pipeline sizes so that at the time of construction award, an evaluation may be conducted to determine if the larger pipeline size should be utilized based on actual, not projected, cost data.
- **b.** Facility Peaking Factor: Reduce the peaking factor in the Water Treatment Plant and Booster Pump Station projects from a 1.5 multiplier to a 1.0 multiplier. During the final design phase of each project, determination should be made as to items that can or cannot be feasibly expanded in the future. Any items that cannot be feasibly expanded in the future, should be built at the full 1.5 peaking factor capacity during the Phase 1B project.

- **c.** Repackaging of Construction Contracts: While utilizing the Competitive Sealed Proposal process for the selection and award of the construction projects, add an option whereby contractors identify the savings if they are awarded Pipeline Segments A, B the Water Treatment Plant and Booster Pump Station simultaneously. The Program may consider expanding this repackaging to include Pipeline Segments C, D and E.
- **d.** Isolation Valve Spacing Revision: Revise the Phase 1B Program design criteria to extend the maximum spacing between the isolation gate valves for the five pipe segments from 5,000-feet to 13,000-feet while still placing valves at critical locations such as all railroad crossings, major roadway crossing and major river crossings.
- e. Stream Crossing Variance: Revise the Phase 1B Program design criteria to seek an exception from the Texas Commission on Environmental Quality (TCEQ) to eliminate the requirement to utilize pipeline encasement at smaller streams that are typically dry or those that show no signs of regular flows.

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE ALLIANCE REGIONAL WATER AUTHORITY:

PART 1. The Technical Committee's Recommendations detailed in Recital #4 are hereby approved.

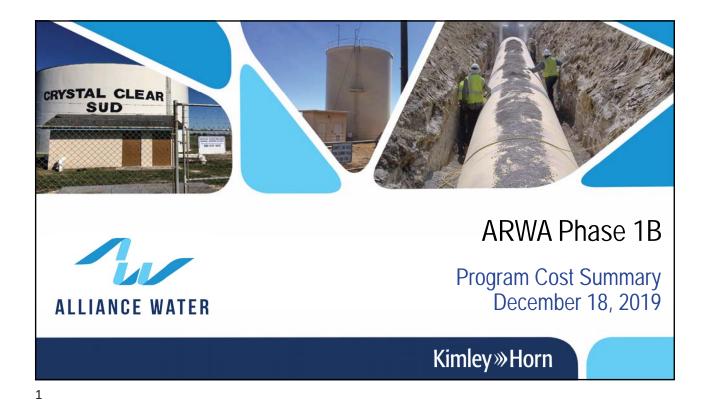
PART 2. Alliance Water's Executive Director, Graham Moore, is directed to incorporate the recommendations into the Phase 1B Program.

PART 3. This Resolution shall be in full force and effect immediately upon its passage.

ADOPTED: December 18, 2019.

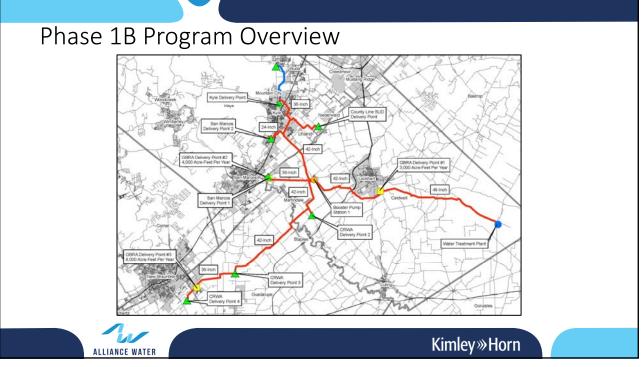
ATTEST:

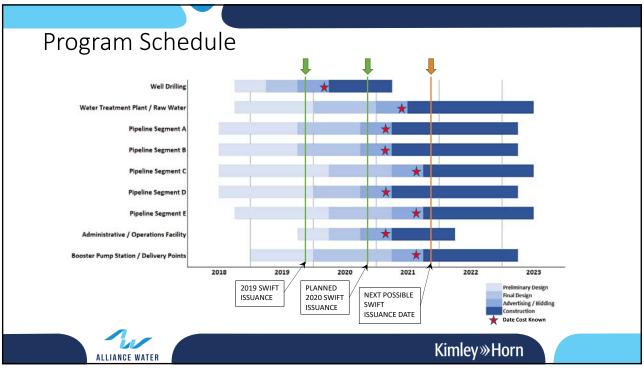
Chris Betz Chair, Board of Directors James Earp Secretary, Board of Directors





Phase 1B **PROGRAM COST EVALUATION** MAY JUNE JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER JANUARY FEBRUARY TECHNICAL COMMITTEE TECHNICAL TECHNICAL TECHNICAL BOARD TECHNICAL TECHNICAL WORKSHOP COMMITTEE COMMITTEE Defer Phase Reduced Defer Inline Pipeline Additional Board & Further Final Action TWDB -TWDB -2 Capacity for Delivery Prepare Application for Additional Funding Elevated Tanks Design Standard Consideration on Changes Submit Peaking Discussion & Technical on Changes Committee Review of Factor Questions to Program for Potential to Program for Potential Cost for Additional Funding Pipes Modifications Cost Options Cost Reduction Sell Excess WTP Property **Re-Packaging** Reduction Infrastructure Administrative & Ops Facility Options 0 **ALLIANCE WATER**





Current Funding Summary

ALLIANCE WATER

Sponsor	2017 Issuance	2019 Issuance	2020 Issuance	Total
CRWA	\$9,865,000	\$26,530,000	\$29,520,000	\$65,915,000
Kyle	\$8,995,000	\$24,200,000	\$26,925,000	\$60,120,000
San Marcos	\$11,450,000	\$30,800,000	\$34,270,000	\$76,520,000
Buda	\$1,625,000	\$4,370,000	\$4,860,000	\$10,855,000
Total	\$31,935,000	\$85,900,000	\$95,575,000	\$213,410,000

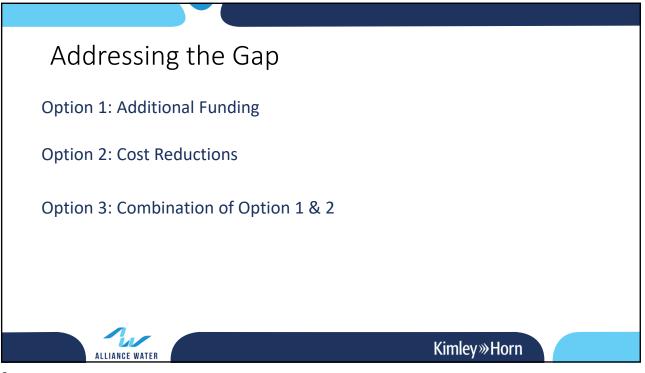
Note: Interest savings have created approximately \$18 million in additional financing capacity for equivalent debt service payments, not including the 2020 issuance.

6

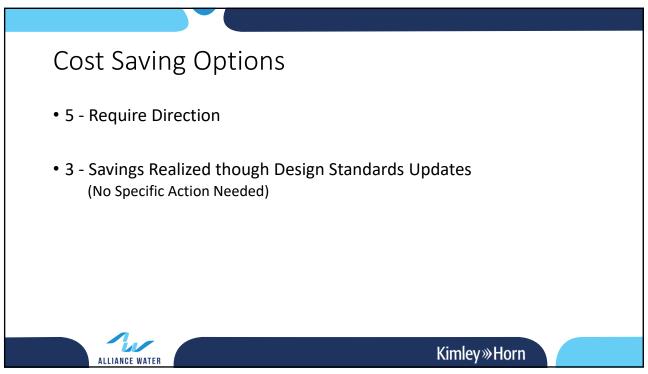
Kimley»Horn

rojected Cost 345,900,000	Shared Program	
	\$97,000,000	\$248,900,000
437,000,000	\$122,100,000	\$314,800,000
		\$213,400,000
		(\$35,490,000)
The "G		(\$101,390,000)





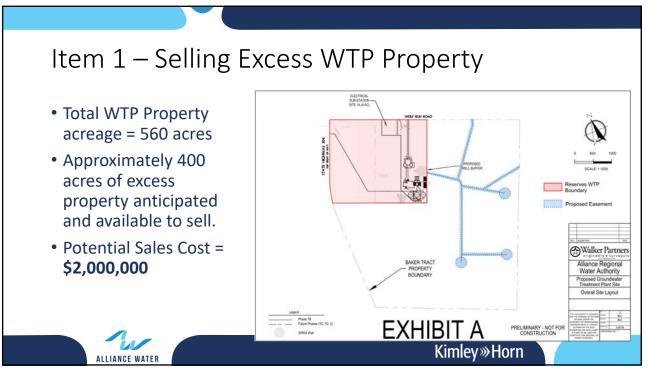
Option	Pros	Cons
Private Funding	 Flexible timing (close anytime) Funds available immediately at closing 	Higher interest costsNever used by ARWA
SWIFT Funding	 Lowest interest costs Known process by ARWA	 Limited timing (once/yr) Funds "released" based on inforprovided to TWDB Requires action by February 2020 to add capacity

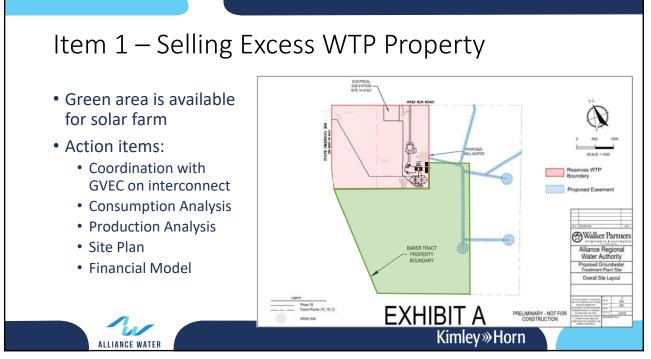


Cost Saving Options Summary

Reflects ARWA's share of potential cost savings:

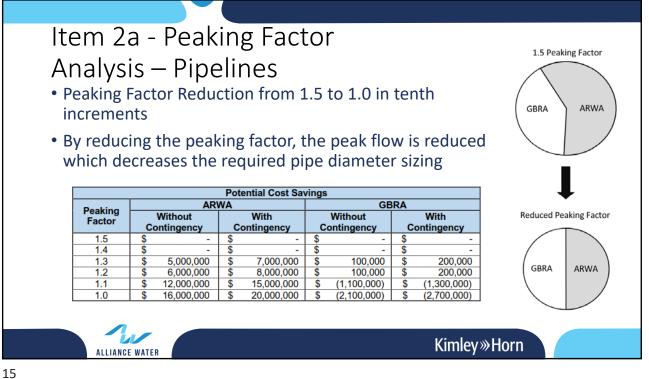
ltem	Original Standards	Potential Capital Cost Savings	Potential Capital Cost Savings (30% Construction Contingency)
1	Selling Excess WTP Property	\$2,000,000	\$2,000,000 (No Cont.)
2a	Peaking Factor Reduction - Pipelines	Up To \$16,000,000	Up To \$20,000,000
2b	Peaking Factor Reduction - Facilities	Up To \$7,000,000	Up To \$9,000,000
3	Phase 2 Capacity Deferral	\$21,000,000	\$27,000,000
4	Administrative / Operations Deferrals	\$3,200,000 - \$4,400,000	\$4,100,000 - \$5,700,000
5	Inline Elevated Storage Tanks Deferral	\$6,600,000	\$8,600,000
6	Repackaging of Contract Analysis	\$1,700,000 - \$7,900,000	\$2,200,000 - \$10,300,000
7	Isolation Valve Spacing Revision	\$2,600,000	\$3,400,000
8	Stream Crossing Variance	\$1,100,000	\$1,400,000
	ALLIANCE WATER	Kimle	ey »Horn



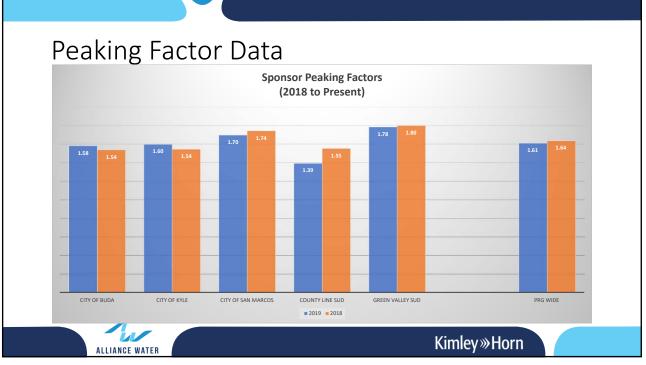


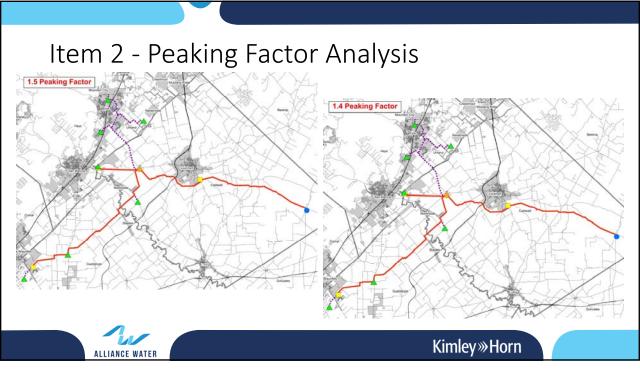


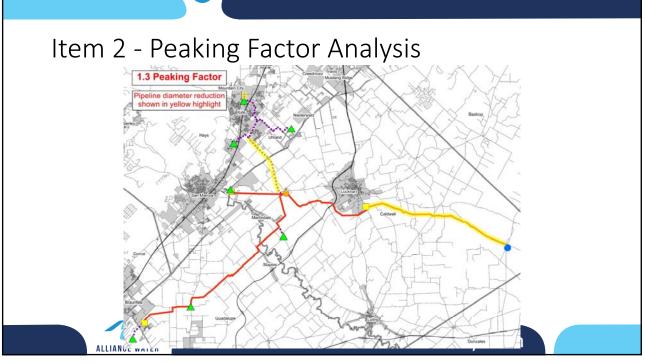
ltem 2	1.5 Peaking Factor							
• Peaking Factor Reduction from 1.5 to 1.0 in tenth increments								
 By reducing the peaking factor, the peak flow is reduced which decreases the required pipe diameter and facility sizing 								
					-			
		otential Cost Savir			•			
Peaking	AR	WA	GB	RA	Reduced Peaking Factor			
Peaking Factor	AR Without	WA With	GB Without	With	Reduced Peaking Factor			
•	AR	WA	GB		Reduced Peaking Factor			
Factor	AR Without Contingency	WA With Contingency	GB Without Contingency	With Contingency	\bigcap			
Factor 1.5	AR Without Contingency \$-	WA With Contingency \$-	GB Without Contingency \$-	With Contingency \$ - \$ (400,000)	Reduced Peaking Factor			
Factor 1.5 1.4	AR Without Contingency \$ - \$ 1,000,000	WA With Contingency \$ - \$ 2,000,000	GB Without Contingency \$ - \$ (300,000)	With Contingency \$ - \$ (400,000)	\bigcap			
Factor 1.5 1.4 1.3	AR Without Contingency \$ - \$ 1,000,000 \$ 8,000,000	WA Vith Contingency \$ - \$ 2,000,000 \$ 11,000,000	GB Without Contingency \$ - \$ (300,000) \$ (500,000)	With Contingency \$ - \$ (400,000) \$ (700,000)	\bigcap			
Factor 1.5 1.4 1.3 1.2	AR Without Contingency \$ - \$ 1,000,000 \$ 8,000,000 \$ 10,000,000	WA Contingency \$ - \$ 2,000,000 \$ 11,000,000 \$ 13,000,000	GB Without Contingency \$ - \$ (300,000) \$ (500,000) \$ (800,000)	With Contingency \$ - \$ (400,000) \$ (700,000) \$ (1,000,000)	\bigcap			

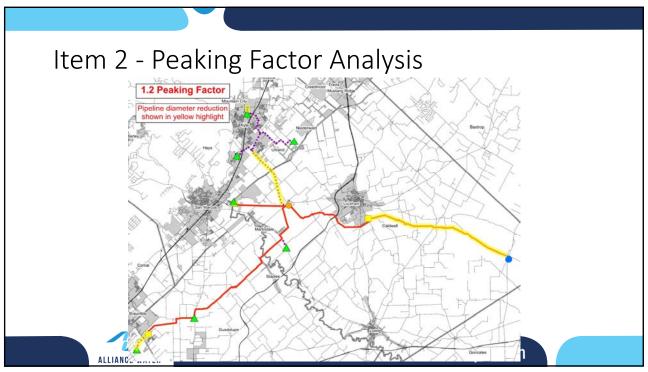


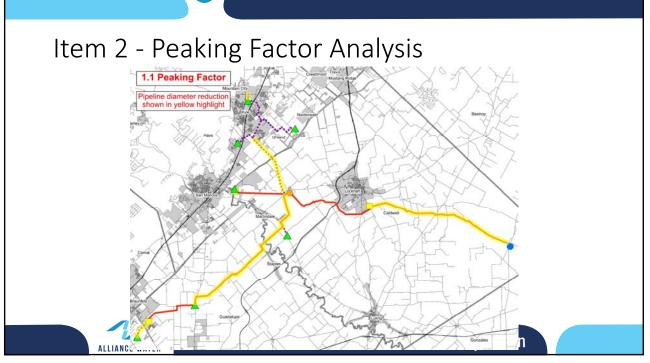
ltem 2b - P	eaking	Factor	r Analy	vsis — Fa	acilities
 Peaking Factor increments 	Reduction	from 1.5	to 1.0 in te	enth	
 By reducing the which decrease 				is reduced	k
		Potential Cost Savi	ngs		
		RWA	GB	RA	
Peaking Facto	Without Contingency	With Contingency	Without Contingency	With Contingency	
1.5	\$ -	\$-	\$-	\$-	
1.4	\$ 1,000,000	\$ 2,000,000	\$ (300,000)	\$ (400,000)	
1.3	\$ 3,000,000	\$ 4,000,000	\$ (600,000)	\$ (800,000)	
1.2	\$ 4,000,000	\$ 5,000,000	\$ (900,000)	\$ (1,200,000)	
1.1	\$ 6,000,000	\$ 7,000,000	\$ (1,200,000)	\$ (1,600,000)	
1.0	\$ 7,000,000	\$ 9,000,000	\$ (1,500,000)	\$ (2,000,000)	

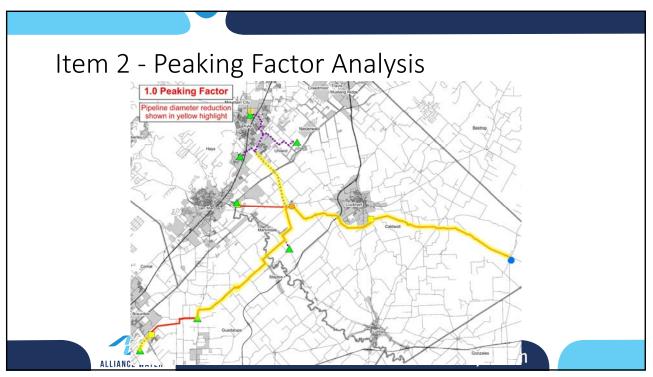






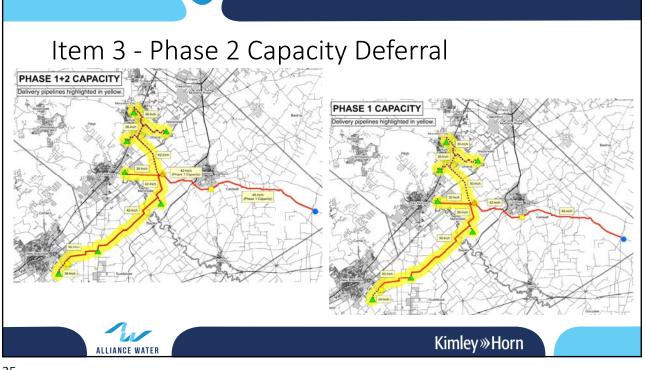


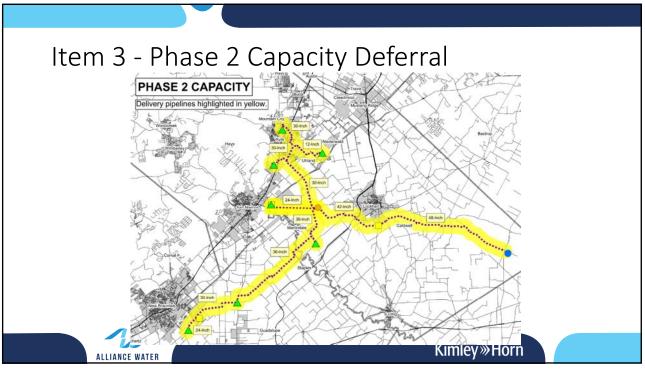




ltem 3 - Ph	lase 2 Capa	city Deferi	ral	
• Existing pipeline handle Phase 2	s from the Booster capacity	Pump Station (B	PS) are sized to	
•	cost savings associ	ated with deferr	ing the Phase 2	
capacity until it	is needed			
• Phase 2 capacity	would require an a	additional parall	el pipeline project	
	Current	Phase 2	Deferral	
Segment	Current Phase 1+2 Capacity	Phase 2 Phase 1 Capacity	Deferral Phase 2 Capacity	
Segment Segment B2				
	Phase 1+2 Capacity 36"	Phase 1 Capacity	Phase 2 Capacity	
Segment B2	Phase 1+2 Capacity	Phase 1 Capacity 30"	Phase 2 Capacity 24"	
Segment B2 Segment C	Phase 1+2 Capacity 36" 16", 24", 30", 36", 42"	Phase 1 Capacity 30" 12", 30"	Phase 2 Capacity 24" 12", 16", 20", 30"	
Segment B2 Segment C Segment D	Phase 1+2 Capacity 36" 16", 24", 30", 36", 42" 42"	Phase 1 Capacity 30" 12", 30" 30"	Phase 2 Capacity 24" 12", 16", 20", 30" 36"	

Option	Current	uding Continger			Includ	ling 30% Conting	ency
	Phase 1+2 Capacity	Phase 1 Capacity (with Phase 2 Deferral)	Potential Cost Savings	Curre Phase Capac	ent 1+2	Phase 1 Capacity (with Phase 2 Deferral)	Potential Cost Savings
Total	\$102,000,000	\$81,000,000	\$21,000,000	\$133,00	0,000	\$106,000,000	\$27,000,000
	Option Total		ng Contingen 83.800.000	су	Incl	uding 30% Cont \$230,500,000	
Conting contingency Including 30 /s contingency Total \$183,800,000 Current Phase 1+2 Capacity Phase 1 Capacity GBRA ARWA							



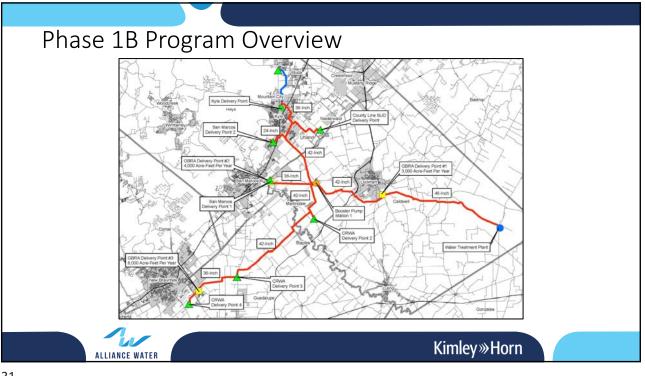


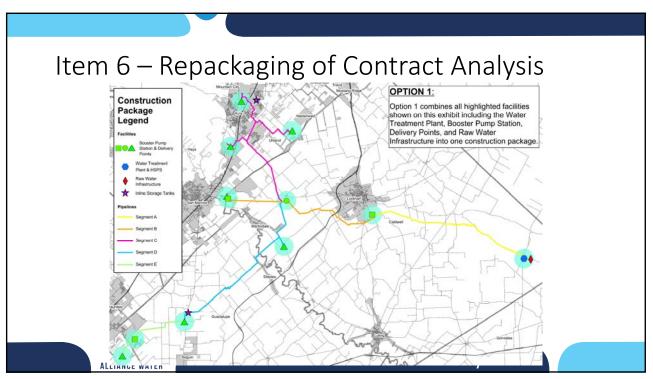
Two c • [options 1 Defer the	Administrat to consider entire facility (Admin the Administrative	nistrative and Op	perations Buil		ais
	Option	Description	Potential Capital	30%	Temporary	
		•	Cost Savings	Contingency	Housing Cost	
	1	Defer the entire facility	Cost Savings \$4,400,000	Contingency \$5,700,000	Housing Cost \$800/month	
	1	Defer the entire facility Defer only the Administrative portion of the facility				

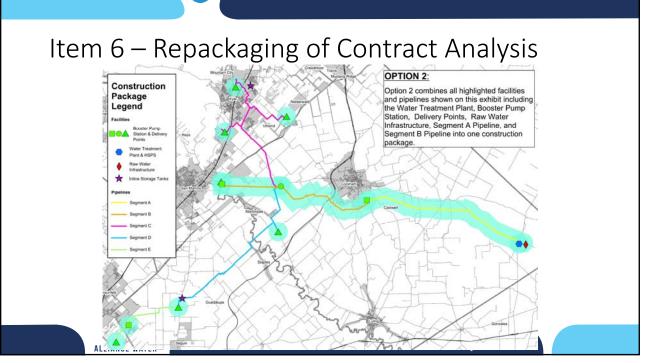




Item 6 – Repackaging of Contract Analysis **Two Potential Options: Option 1** is to combine all facility work into one package. This includes the Water Treatment Plant, Booster Pump Station, and Raw Water Infrastructure. • **Option 2** is to combine all east to west projects. This includes the Water Treatment Plant, Booster Pump Station, Segment A Pipeline, Segment B Pipeline, and the Raw Water Infrastructure. ARWA GBRA Package Projected Potential **GBRA Share ARWA Share** Potential Options **Construction Cost** Savings Savings Total package \$33,300,000 \$1,700,000 \$24,400,000 \$1,100,000 \$55,800,000 1 w/ 30% Contingency \$43,300,000 \$2,200,000 \$29,200,000 \$1,500,000 \$72,500,000 Total package \$7,900,000 \$49,300,000 \$4,900,000 \$79,200,000 \$128,500,000 2 w/ 30% Contingency \$103,000,000 \$10,300,000 \$64,100,000 \$6,400,000 \$167,100,000 **Kimley**»Horn ALLIANCE WATER

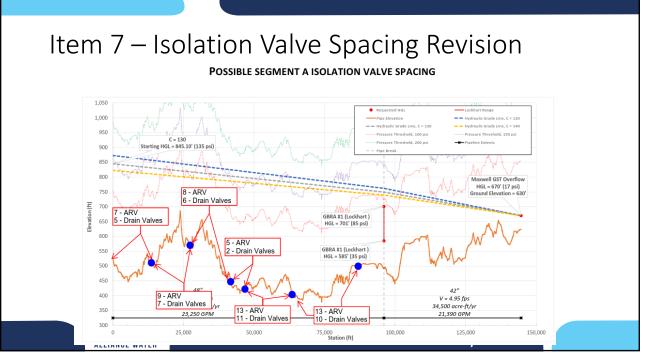


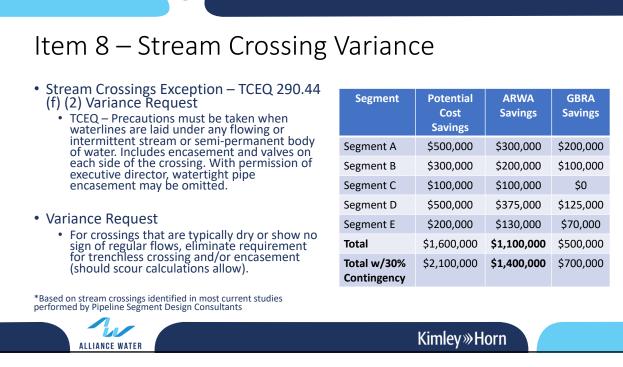


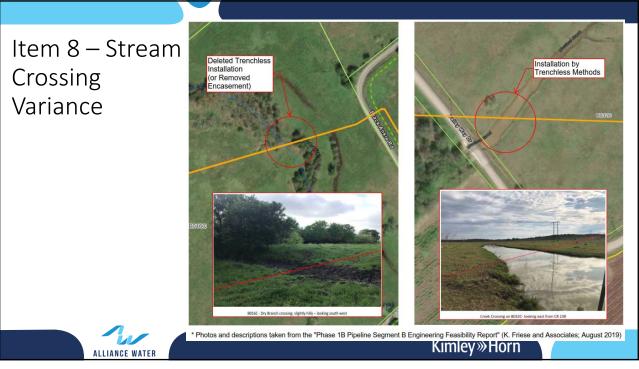


Item 7 – Isolation Valve Spacing Revision

Revised Standards	Segment	Potential	ARWA	GBRA
Not to exceed 13,000 LF		Cost Savings	Savings	Savings
Balance the distance of the spacing with the accessibility of the valve and the risk associated with significant crossings.	Segment A	\$1,000,000	\$600,000	\$400,000
	Segment B	\$1,000,000	\$670,000	\$330,000
	Segment C	\$400,000	\$400,000	\$0
	Segment D	\$1,000,000	\$750,000	\$250,000
0.0001180.	Segment E	\$300,000	\$200,000	\$100,000
	Total	\$3,700,000	\$2,600,000	\$1,100,000
	Total w/30%	\$4,800,000	\$3,400,000	\$1,400,000
	Contingency			
				r of valves for
		Kimley»H	orn	
	Not to exceed 13,000 LF Balance the distance of the spacing with the accessibility of the valve and the risk	Not to exceed 13,000 LF Balance the distance of the spacing with the accessibility of the valve and the risk associated with significant crossings.	Not to exceed 13,000 LFSegment ACost SavingsBalance the distance of the spacing with the accessibility of the valve and the risk associated with significant crossings.Segment A\$1,000,000Segment C\$400,000Segment D\$1,000,000Segment E\$300,000Total\$3,700,000Total w/30% Contingency\$4,800,000	Not to exceed 13,000 LFCost SavingsSavingsBalance the distance of the spacing with the accessibility of the valve and the risk associated with significant crossings.Segment A\$1,000,000\$670,000Segment C\$400,000\$400,000\$200,000Segment D\$1,000,000\$750,000Segment E\$300,000\$200,000Total\$3,700,000\$3,400,000







Cost Saving Options - Recommendations

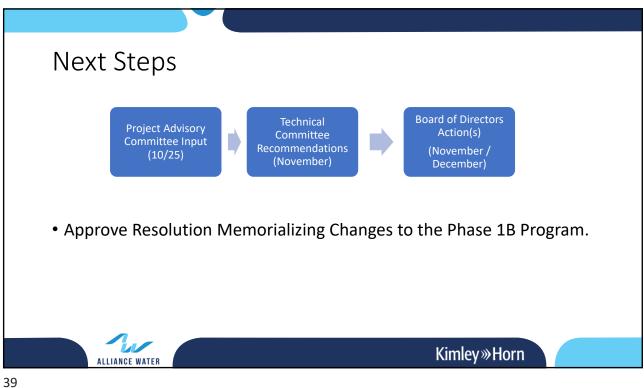
Reflects ARWA's share of potential cost savings:

ltem	Option	Potential Capital Cost Savings	Comments				
2a	Peaking Factor Reduction – Pipelines. Reduce Segment A Only to 1.3 Peaking	\$3,100,000	Bid Segment A as a 48" and 42" Pipeline				
2b	Peaking Factor Reduction – Facilities. Reduce Peaking to 1.0 in both WTP & BPS	\$7,000,000	Size critical elements for full flow where future expansion will be difficult				
6	Repackaging of Projects	\$7,900,000					
7	Isolation Valve Spacing Revision	\$2,600,000					
8	Stream Crossing Variance	\$1,100,000					
 Recognize savings of \$18 million resulting from the reduced interest rates at 							

time of closing as compared to budgeted numbers.

ALLIANCE WATER

Kimley Worn



BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

F.5 Consider approval of a financial contribution to the Delhi Volunteer Fire Department. ~ *Graham Moore, P.E., Executive Director*

Background/Information

In the course of discussing the groundwater development agreement that was ultimately entered into with Mr. and Mrs. Rodgers in September 2019, a request was made for Alliance Water to make a donation to the Delhi Volunteer Fire Department.

The community has invested considerable time and effort in expanding the facilities to include an open meeting room and a kitchen which can be available for future Alliance Water meetings, if needed. The group has sought and received multiple grants to help pay for the renovations and expansions.

The fire department is raising money to complete the access area behind the fire station so that they fire trucks can enter the garage through the back and pull through.





Executive Director Recommendation(s)

• The Executive Director recommends that the Authority contributes \$7,500 to the Delhi Volunteer Fire Department for their use in improving the facilities. The funding would come from the "Public Relations" line item in the approved FY 19-20 budget.

Board Decision(s) Needed:

• Consider a financial contribution to the Delhi Volunteer Fire Department.

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

F.6 Update on status of groundwater management in project target area, and Gonzales County Underground Water Conservation District, Plum Creek Conservation District, Groundwater Management Area 13, Region L Planning Group, Guadalupe-Blanco River Authority, Hays County and Capital Area Planning Group activities.

<u>Gonzales County Underground Water Conservation District (GCUWCD)</u> The GCUWCD met on December 10th. No items affecting the Authority were discussed.

Plum Creek Conservation District (PCCD)

The PCCD is scheduled to meet on December 17th. A verbal update will be provided to the Board.

<u>Groundwater Management Area 13</u> No update.

Region L Planning Group No update.

<u>Guadalupe-Blanco River Authority; Hays County Activities; CAPCOG Activities</u> No update.

Board Decision(s) Needed:

• None.

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

G. EXECUTIVE DIRECTOR AND LEGAL COUNSEL REPORTS - Update on future meeting dates, locations, status of Authority procurements, Executive Director activities, other operational activities and the status of legal issues, where no action is required. ~ *Graham Moore, P.E., Executive Director / Mike Gershon, Lloyd Gosselink Rochelle & Townsend, P.C.*

EXECUTIVE DIRECTOR

Phase 1B Construction Management & Inspection RFQ

• Staff is developing an RFQ for the Phase 1B Construction Management & Inspection services. The RFQ will be released prior to Christmas with responses due in mid-February.

Public Relations RFQ

• Staff is also developing the RFQ for Public Relations. The RFQ will be released in early 2020.

Log and Calendar of Events

• Attached is the log of activities for November along with the 3-month look ahead calendar for the Executive Director.

Executive Director Log of Activities

			November			
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1-Nov	2-Nov
					Project Advisory	
	-				Comm mtg	
					Sign 1ASB coversheet	
3-Nov	4-Nov	5-Nov	6-Nov	7-Nov	8-Nov	9-Nov
	Approical reviews	1B Monthly Check-	Invoices	Region L Meeting	GBC meeting	
	Appraisal reviews Segment B change in	In TWDB HUB	Appraisal report		General counsel	
	service	reporting	•••	Electronic payments	interviews	
		General counsel				
	GWDA	interview questions	Admin Cmte packet		Appraisal approvals	
	TWDB HUB				Tech cmte agenda &	
	reporting				packet	
10 Ман	11 No.	12 No.	13-Nov	14 No.	15 Nov	16 No.
10-Nov	11-Nov	12-Nov	13-NOV Raw Water	14-Nov	15-Nov	16-Nov
	Sign ROEs	Meet w/ Weston		1A BPS Construction		
	0.8.1.1020	Solutions		Mtg	Board Agenda	
	Meet w/ CRWA re:	Technical Cmte	Administrative	1A Seg B bond docs to		
	cost savings	meeting	Cmte meeting	TWDB	Board Packet	
	CRWA Board Mtg	GCUWCD Board			Cost saving measure	
	CRWA Board Mitg	meeting		ROW weekly call	coordination	
				Legal contract		
17-Nov	18-Nov	19-Nov	20-Nov	21-Nov	22-Nov	23-Nov
			Budget/Schedule			
	New Board Member		update discussion	Filing / mailing	GVSUD Meeting	
	Info to B. Lillibridge	call				
	1A BPS - Concrete Testing	CLSUD meeting	San Marcos meeting	General Counsel transition	Meeting w/ CDM Smith team	
	i courig	Meeting w/	ARWA Board		WTP montly update	
	Consultant invoices	Kenneth Williams	meeting	ROW conference call	mtg	
				1A Seg B TWDB	Royalty change	
				coordination	letters	
24-Nov	25-Nov	26-Nov	27-Nov	28-Nov	29-Nov	30-Nov
24-INOV	25-1000	20-1000	27-1000	20-1100	29-1000	50-1000
					-	
	РТО	РТО	РТО	Thanksgiving Holiday	Thanksgiving Holiday	
]			/	/	

December 2019

Decem	ber 2019			December 201 Su Mo Tu We TT 1 2 3 4 5 8 9 10 11 1 15 16 17 18 15 22 23 24 25 26 29 30 31	Fr Sa Su Mo 5 6 7 7 7 2 13 14 5 6 20 21 12 13	January 2020 Tu We Th Fr Sa 1 2 3 4 7 8 9 10 11 14 15 16 17 18 21 22 23 24 25 28 29 30 31
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Dec 1	2 1:00pm WinCC HMI presentation (Skype 1:30pm ARWA Phase 1B Weekly Progress 3:00pm ARWA - Cost 6:30pm CUAB Meeting	3 8:00am GCUWCD Rules Workshop Meeting 9:00am Alliance Water - Monthly Check-in 11:30am ARWA1B - RWI 1:00pm ARWA1B - WTP	4 9:00am Alliance Water - Cost Saving Measures 10:45am Sign ROEs (Starbucks (5401 S Fm 11:30am Moore/Grijalva 2:00pm Conf call re	5 9:00am Meet w/Graham- ARWA 11:00am ARWA1B - Weekly ROW Call 3:00pm ARWA - Fiber and Security Design	6 10:00am Rep. Cyrier (State Capitol (Texas) 12:00pm Janay - Lunch (Hyde Park Bar & Grill 1:30pm ARWA1BENV - Amendment	7
8	9 9:00am ARWA - GBRA Meet to Discuss Cost 1:30pm ARWA Phase 1B Weekly Progress 1:30pm Coordination of GBRA and ARWA well	10 9:00am Coffee - Breakfast - Discussion (Centerpoint Station, 5:30pm GCUWCD Board Meeting (GCUWCD Offices)	11 3:00pm ARWA Technical Committee Meeting (Kyle Public Works)	12 10:00am Meeting w/ Tetra Tech 11:00am ARWA1B - Weekly ROW Call 1:30pm Phase 1A Construction	 13 9:00am Project Advisory Committee Meeting (Kyle Public Works) 1:00pm Citect HMI Presentation (City Of Kyle Public Works 	14
15	16 1:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola	17 1:00pm PCCD Meeting (Lockhart, Texas, United States)	18 9:30am ARWA1BBPSDP - Booster PS & Delivery Points - DRAFT EFR Review 3:00pm ARWA Board Meeting (TBD)	19 11:00am ARWA1B - Weekly ROW Call (Skype Meeting) - 3:00pm ARWA1BWTP - Monthly Update Meeting (Skype	20	21
22	23 1:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola	24 Holiday	25 Moores to Houston HOLIDAY	26 11:00am ARWA1B - Weekly ROW Call (Skype Meeting) - Sowa, Ryan	27	28
29	30 1:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola	31 Holiday	Jan 1, 20	2	3	4
Graham Moore			1			12/9/2019

December 2019

January 2020

y 2020		Su Mo Tu Ve February 2020 Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 2 3 4 5 6 7 8 12 13 14 15 16 17 18 9 10 11 12 13 14 15 19 20 21 22 23 24 25 26 27 28 29 30 31 - 23 24 25 26 27 28 29			
MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
30	31	Jan 1, 20 HOLIDAY	2 PTO 11:00am ARWA1B - Weekly ROW Call (Skype Meeting) - Sowa, Ryan	3 9:00am Alliance Water - Monthly Check-in (Skype Meeting) - Cobler, Nathan	4
6 1:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola	7	8 3:00pm ARWA Technical Committee Meeting (Kyle Public Works)	9 11:00am ARWA1B - Weekly ROW Call (Skype Meeting) - 1:30pm Phase 1A Construction Meetings	10	11
13 1:30pm ARWA Phase 1B Weekly Progress <u>Meetings (WEBEX) -</u> 6:30pm CRWA Board Meeting (CRWA Offices (850 Lakeside	14 5:30pm GCUWCD Board Meeting (GCUWCD Offices)	15	16 11:00am ARWA1B - Weekly ROW Call (Skype Meeting) - Sowa, Ryan	17 9:00am Project Advisory Committee Meeting (Kyle Public Works)	18
20 1:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola	21 1:00pm PCCD Meeting (Lockhart, Texas, United States)	22 10:00am CRWA Board of Managers Meeting (CRWA Offices) 3:00pm ARWA Board Meeting (TBD)	23 9:30am Region L Meeting (San Antonio Water System (2800 11:00am ARWA1B - Weekly ROW Call (Skype Meeting) -	24	25
27 1:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola	28	29	30 11:00am ARWA1B - Weekly ROW Call (Skype Meeting) - Sowa, Ryan	31	Feb 1
	30 6 1:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola 13 1:30pm ARWA Phase 1B Weekly Progress Meeting (CRWA Offices (850 Lakeside) 20 1:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola 27 1:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola	3031671:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola713141:30pm ARWA Phase 1B Weekly Progress Meeting (CRWA Offices (850 Lakeside)5:30pm GCUWCD Board Meeting (GCUWCD Offices)20211:30pm ARWA Phase 1B Weekly Progress Meeting (CRWA Offices (850 Lakeside)1:00pm PCCD Meeting (Lockhart, Texas, United States)20211:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola2827281:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) -28	3031Jan 1, 206781:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola78131415130pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola5:30pm GCUWCD Board Meeting (GCUWCD Offices)152021221:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola1:00pm PCCD Meeting (Lockhart, Texas, United States)10:00am CRWA Board of Managers Meeting (CRWA Offices)2021221:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola1:00pm PCCD Meeting (Lockhart, Texas, United States)10:00am CRWA Board of Managers Meeting (CRWA Offices)272829	MONDAYTUESDAYWEDNESDAYTHURSDAY3031Jan 1, 202HOLIDAY11:00am ARWA1BWeekly ROW Call (Skype Meeting) - Sowa, Ryan11:00am ARWA1B67891:30pm ARWA Phase 1B Weekly Progress Meetings (WEBX) - Shore, Nichola78131415161:30pm ARWA Phase 1B Weekly Progress Meetings (WEBX) - Shore, Nichola5:30pm GCUWCD Board Meeting (GCUWCD Offices)15131415161:30pm ARWA Phase 1B Weekly ROW call (Skype Meeting)5:30pm GCUWCD Board Meeting (GCUWCD Offices)161:30pm ARWA Phase 1B Weekly Progress Meeting (CRUMA Board Meeting (CRUMA Board Meeting (CRUMA Board Meeting (CRUMA Board Meeting (CRUMA Offices)22232021222321:30pm ARWA Phase 1B Weekly Progress Meeting (CRUMA Offices)1:00pm PCCD Meeting (Lockhart, Texas, United States)9:30am Region L Meeting (CRUMA Office) 3:00pm ARWA Board Meeting (CRUMA Office)272829301:30pm ARWA Phase 1B Weekly Progress Meeting (CRUMA Office) Shore, Nichola2829301:30pm ARWA Phase 1B Weekly Progress Meeting (CRUMA Office) Shore, Nichola2829301:30pm ARWA Phase 1B Weekly Progress Meeting (CRUMA Office) Shore, Nichola282930	MONDAYTUESDAYWEDNESDAYTHURSDAYFRIDAY3031Jan 1, 20233031Jan 1, 202PTOHOLIDAY1100arn ARWA18900am Alliance WaterMonthly Check. in (Skype Meeting) - Sowa. Ryan900am Alliance Water67891:30pm ARWA Phase 18 Weekly Progress Meeting S(MEBX) - Shore, Nichola78913141516171:30pm ARWA Phase 18 Weekly Progress Meeting (GCUWCD Offices (SS0 Lakeside5:30pm GCUWCD Board Meeting (GCUWCD Offices (SS0 Lakeside5:30pm GCUWCD Board Meeting (TBD)1617202122232427282930312728293031

February 2020

		Feb	ruary 2	2020					N
Su	Мо	Tu	We	Th	Fr	Sa	Su	Мо	Tu
2 9 16 23	3 10 17 24	4 11 18 25	5 12 19 26	6 13 20 27	7 14 21 28	1 8 15 22 29	1 8 15 22 29	2 9 16 23 30	3 10 17 24 31

March 2020
 Tu
 We
 Th
 Fr
 Sa

 3
 4
 5
 6
 7

 10
 11
 12
 13
 14

 17
 18
 19
 20
 21

 24
 25
 26
 27
 28

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Jan 26	27	28	29	30	31	Feb 1
2	3 1:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola	4 9:00am Alliance Water - Monthly Check-in (Skype Meeting, ~TX-SNA-RM-Trainin g Room (Trio)) - Cobler, Nathan	5	6 11:00am ARWA1B - Weekly ROW Call (Skype Meeting) - Sowa, Ryan	7 9:30am GMA-13 Meeting (Pleasanton, TX)	8
9	10 1:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - 6:30pm CRWA Board Meeting (CRWA Offices (850 Lakeside	11 5:30pm GCUWCD Board Meeting (GCUWCD Offices)	12 3:00pm ARWA Technical Committee Meeting (Kyle Public Works)	13 11:00am ARWA1B - Weekly ROW Call (Skype Meeting) - 1:30pm Phase 1A Construction Meetings	14	15
16	17 1:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola	18 1:00pm PCCD Meeting (Lockhart, Texas, United States)	19	20 9:30am Region L Meeting (San Antonio Water System (2800 11:00am ARWA1B - Weekly ROW Call (Skype Meeting) -	21 9:00am Project Advisory Committee Meeting (Kyle Public Works)	22
23	24 1:30pm ARWA Phase 1B Weekly Progress Meetings (WEBEX) - Shore, Nichola	25	26 10:00am CRWA Board of Managers Meeting (CRWA Offices) 3:00pm ARWA Board Meeting (TBD)	27 11:00am ARWA1B - Weekly ROW Call (Skype Meeting) - Sowa, Ryan	28	29

_

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

H. BOARD 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.

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

- **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

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

- **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

BOARD MEMBER PACKETS

Wednesday, December 18, 2019 at 3:00 P.M. 501 E. Hopkins, San Marcos, TX 78666

J. ADJOURNMENT