Region L South Central Texas Regional Water Planning Group

c/o San Antonio River Authority 100 East Guenther Street San Antonio, Texas 78204 (210) 227-1373 Office www.RegionLTexas.org

EXECUTIVE COMMITTEE			
Tim Andruss			
Chair /Water Districts	DATE:	Tuesday August 24, 202	1
Adam Yablonski	DATE.	Tuesday August 24, 202	1
Vice-Chair /Agriculture Gary Middleton			
Secretary / Municipalities	TO:	Members of the South (Central Texas Regional Water Planning Group
Humberto Ramos			5 5 1
At-Large /Water Districts			
Glenn Lord	FROM:	Kendall Hayes	
At-Large/Industries			
VOTING MEMBERS			
Amber Beard	Per the Region L Bylaws, Article IX Section 2, Chair Andruss has elected to call a		
Water Utilities	special meeting of the South Central Texas Regional Water Planning Group		
John Byrum	•	•	
River Authorities		-	the qualifications of respondent firms, Black &
Curt Campbell	Veatch Corpo	ration and Plummer Asso	ciates, Inc.
GMA 9			
Rey Chavez	.		
Industries Will Coplay	The schedule	and location of the meet	ing of the South Central Texas Regional Water
Will Conley Counties	Planning Grou	up is as follows:	
Debbie Farmer	U		
Water Districts			
Charlie Flatten		y, September 21, 2021 at	
Environmental	LOCATIONS: F	Per Governor Abbott's Exe	ecutive Order, the SCTRWPG will conduct a
Steve Graham			d virtual options for attendance.
River Authorities	nybriu meetii	ig with both in person and	a virtual options for attenuance.
Vic Hilderbran			
GMA 7	San An	tonio River Authority	GotoMeeting Virtual Web
Thomas Jungman		•	Address: https://
Agriculture		an Building Boardroom	•
Russell Labus	201 W.	Sheridan St.	global.gotomeeting.com/
Water Districts	San An	tonio, TX 78204	join/531752973
Daniel Meyer	our / ur		j,
GMA 10			
Robert Puente			You can also dial in using your
Municipalities			phone. United States: +1
Vanessa Puig-Williams Environmental			•
Steve Ramsey			(872) 240-3412
Water Utilities			
Weldon Riggs			Access Code: 531-752-973
Agriculture			
Roland Ruiz			
Water Districts			
Diane Savage			
GMA 13			
Darren Simmons			
Small Business			
Mitchell Sowards			
Small Business			
Jonathan Stinson	Enclosed is a	copy of the posted public	meeting notice.
River Authorities			
Heather Sumpter	Kendall Haye	c .	
GMA 15 Thomas Taggart	Kenuali haye:	2	
Thomas Taggart			
<i>Municipalities</i> Ian Taylor	Enclosure		
Ian Taylor Municipalities			
Dianne Wassenich	_		
Public	Agen	da Packet for September	21, 2021

NOTICE OF OPEN MEETING OF THE SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP

TAKE NOTICE that a meeting of the South Central Texas Regional Water Planning Group as established by the Texas Water Development Board will be held at the San Antonio River Authority, Sheridan Building, 201 W. Sheridan Street, San Antonio, TX 78204. You can attend virtually on GotoMeeting at https:// global.gotomeeting.com/join/531752973 . You may also dial into the meeting on your phone at +1 (872) 240-3412, access code: 531-752-973. The planning group members will consider and may take action regarding:

- 1. (9:30 AM) Roll-Call
- 2. Public Comment
- 3. Approval of the Minutes from the Previous Meeting of the South Central Texas Regional Water Planning Group (SCTRWPG)
- 4. Presentation 1: 9:45 AM Presentation + Questions at 10:05 AM
 - a. The two (2) responsive, Black & Veatch Corporation and Plummer Associates, Inc., firms have each been asked to provide a presentation to the RWPG. Both firms have been given 20 minutes to present with a 20 minute opportunity to field questions from Planning Group members. Responsive technical consultants have been requested to respect professional courtesy and not attend the other responsive firms' presentations.
- 5. Presentation 2: 10:30 AM Presentation + Questions at 10:50 AM
- 6. If necessary, additional questions from Planning Group
- 7. Procurement Process Presentation
 - a. A member from the San Antonio River Authority's Procurement Team has been asked to present on the details of the scoring committee's procurement process.
- 8. Scoring Committee Report
- 9. Discussion and Appropriate Action Regarding a Motion recommending the San Antonio River Authority initiate contracting with one of the respondent firms for the Position of Region L Technical Consultant
 - a. Voting members to review and discuss the technical consultant applicants' qualifications. Members may choose to take action to recommend that the San Antonio River Authority initiate contracting with one of the respondent firms. Appropriate action to be crafted as needed.
- 10. Public Comment
- 11. Adjourn

Comments and submissions may be submitted through email to khayes@sariverauthority.org. Any written documentation can be sent to Tim Andruss, Chair, South Central Texas Regional Water Planning Group, c/o San Antonio River Authority, Attn: Kendall Hayes, 100 East Guenther Street, San Antonio, TX 78204. Please direct any questions to Kendall Hayes at (210) 302-3641.

2. Public Comment

3. Approval of the Minutes from the Previous Meeting of the South Central Texas Regional Water Planning Group (SCTRWPG)

Minutes of the South Central Texas Regional Water Planning Group August 05, 2021

Chair Andruss called the virtual meeting to order at 9:30 a.m., held through the GoToMeeting online platform.

23 of the 26 voting members, or their alternates, were present.

Voting Members Present:

Tim Andruss John Byrum Rey Chavez Curt Campbell Charlie Flatten Steve Graham Vic Hilderbran Thomas Jungman Russell Labus Glenn Lord Daniel Meyer Jonathan Stinson for Kevin Patteson Robert Puente Humberto Ramos Weldon Riggs Roland Ruiz Blaine Schorp for Diane Savage Mitchell Sowards Heather Sumpter Thomas Taggart Ian Taylor Dianne Wassenich Adam Yablonski

Voting Members Absent:

Will Conley Gary Middleton Steve Ramsey

Non-Voting Members Present:

Kelley Kowal for Marty Kelly, TX Department of Parks and Wildlife Elizabeth McCoy, Texas Water Development Board (TWDB)

Non-Voting Members Absent:

Iliana Delgado, TCEQ Ronald Fieseler, Region K Liaison Jami McCool, TX Dept. of Agriculture Don McGhee, Region M Liaison Charles Wiedenfeld, Region J Liaison Carl Crull, Region N Liaison Rusty Ray, Texas Soil & Water Cons. Board Beginning with the February 11, 2016, meeting of the South Central Texas Regional Water Planning Group, all recordings are available for the public at <u>www.regionltexas.org</u>.

AGENDA ITEM NO. 1: (9:30 AM) ROLL CALL

Ms. Kendall Hayes, San Antonio River Authority, called the role, and confirmed a quorum.

AGENDA ITEM NO. 2: PUBLIC COMMENT

No public comments.

AGENDA ITEM NO. 3: APPROVAL OF THE MINUTES FROM MAY 06, 2021, MEETING OF THE SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP (SCTRWPG)

Mr. Puente noted that the second sentence under Agenda Item No.10 is incorrect, "Holding this process in open meetings would be subject to the Open Meetings Act, thereby making the process public for contractors' rivals' review". With the recorded understanding that this statement is incorrect, Mr. Puente would approve the minutes.

Mr. Taggart abstained from voting on minutes, as he was not present at the last meeting.

Chair Andruss suggested that the group identify the sentence as an inaccuracy and proceed with the adoption of the minutes.

Ms. Heller asked for clarification on the inaccuracy. Mr. Puente explained that the meeting would only be subject to the Open Meetings Act if a certain number of planning group members were present.

Mr. Yablonski remembered that this clarification was made during the meeting.

Chair Andrus asked for objections to amending the minutes. Mr. Byrum moved that the minutes from May's meeting be amended to fix the inaccuracy and under that condition, adopt the amended minutes. Mr. Riggs seconded the motion as amended, and the motion was adopted by consensus.

AGENDA ITEM NO. 4: STATUS REPORTS AND COMMUNICATIONS BY TEXAS WATER DEVELOPMENT BOARD

Ms. McCoy, TWDB, noted that the Regional Water Planning rules pamphlet and public notice have been updated with newly revised rules and are now available online. The 6th Cycle planning contracts has been sent and Region L's has been fully executed.

The 2022 State Water plan has been adopted as of July 7 and has an interactive feature online. The inaugural Interregional Planning Council dissolved and TWDB will need nominations for those to serve on the next council. This council will serve until the 2027 state water plan is adopted.

Ms. McCoy provided a legislative update. House Bill 1907 relieves the RWPGs from assessing financing needs to implement water management strategies and no longer requires an Infrastructure Financing Report. The bill relieves SWIFT Applicants from submitting an

Infrastructure Financing Survey for financial assistance and also relieves the RWPGs from prioritizing projects within the regional water plans. This will go into effect on September 1st.

Chair Andruss asked to confirm that they are not going to have to prioritize projects from lowest to highest priority. Ms. McCoy confirmed that they will not.

AGENDA ITEM NO. 5: STATUS REPORTS AND COMMUNICATIONS RELATED TO REGIONAL WATER PLANNING INCLUDING REPORTS BY THE CHAIR, REGIONAL LIAISONS, GROUNDWATER MANAGEMENT AREA REPRESENTATIVES, AND MEMBERS OF THE PLANNING GROUP

Chair Andruss provided his Chair Report. He encouraged members of the RWPG to explore TWDB's interactive statewide water plan online. He reminded the committee that Greg Sengelmann has resigned from the planning group. He encouraged RWPG members to contact Ms. Hayes if they are not receiving TWDB's newsletters.

Chair Andruss provided an update on Region P. They have not selected a technical consultant at this time. Their next meeting will be August 23rd. He provided an update on GMA 15. On April 8^{th,} the representatives proposed a desired future condition for adoption and the public comment period opened on May 4th for 90 days. Their next meeting will be in October.

Ms. Dianne Wassenich, Liaison for Region K, provided an update on Region K. She noted that they had a long discussion regarding filling the vacancy of the public interest category. She was asked to provide an explanation on how Region L fills their vacancies. Ms. Wassenich asked that the planning group discuss today how it conducts public outreach to notify the public of a vacancy on the planning group.

AGENDA ITEM NO. 6: PRE-PLANNING PUBLIC INPUT

Ms. Hayes presented the Pre-Planning Public Input presentation. She provided a brief overview of the foundation and responsibilities of the SCTRWPG and the Regional Water Planning process. She then opened the floor to the public and asked if there are specific issues that should be addressed or provisions that should be included in the 2026 Regional Water Plan and the 2027 State Water Plan. There were no public comments.

Ms. Hayes invited the planning group to participate in a deliberate discussion on interregional cooperation strategies. Chair Andruss noted that technical consultants have historically played a large role in coordinating with other regions. He asked if there will be additional funding provided by TWDB for these efforts. Ms. McCoy stated that this would be accomplished with the funds currently available. Chair Andruss confirmed with Ms. Hayes that Region L's current use of interregional liaisons fulfills TWDB's expectations for this effort.

Mr. Taggart asked Ms. McCoy if there have been any issues or deficiencies in coordination in forming this past cycle's water plan. Ms. McCoy explained that they haven't evaluated any such issues, but the Interregional Council identified a need for planning groups to coordinate with other regions earlier in the planning cycle.

Chair Andruss suggested that an agenda item be added on each future meeting related to Interregional Coordination. He requested documentation of strategies from the 2021 Regional Water Plan that rely on water from another region as well as other regions' plans that rely on water from Region L. Ms. Wassenich supported Chair Andruss' suggestion. Ms. McCoy stated that TWDB has that information available and will provide it to Chair Andruss. Ms. Wassenich asked where that information can be located. Ms. McCoy stated that it is available online.

AGENDA ITEM NO. 7: DISCUSSION AND APPROPRIATE ACTION REGARDING RECOMMMENDATION BY THE EXECUTIVE COMMITTEE ON VACANCIES OF SCTRWPG VOTING MEMBER TERMS EXPIRING AUGUST 2021

Chair Andruss stated that the Executive Committee met on July 29 to review and discuss the nominations. The Executive Committee's recommendation is to fill the uncontested seats with the nominees. With regard to the Municipalities interest category, the Executive Committee recommends that the incumbents fill vacancies: Tom Taggart, Robert Puente, and Gary Middleton.

Mr. Riggs moved to accept the Executive Committee's recommendation in full.

The planning group requested future agenda items specify the Region L vacancies and who the Executive Committee is suggesting fill them.

Ms. Wassenich suggested that term limits be added to the website.

The Committee asked how certain applications were categorized if they had not selected a box at the top of the application. Some applicants expressed their interest group directly to the Region L Administrator and that's how applications were categorized.

Mr. Taggart abstained from voting on the Municipalities category.

Hearing no other comments, Mr. Ramos seconded Mr. Riggs' original motion.

Chair Andruss separated the vote by interest groups and adopt the Executive Committee's recommendation by consensus.

Chair Andruss asked for any objections to adopting the Executive Committee's recommendation for the Agricultural interest group vacancies to be filled by Weldon Riggs and Adam Yablonski. Hearing no objections, the motion was adopted by consensus.

Chair Andruss asked for any objections to adopting the Executive Committee's recommendation for the Environmental interest group vacancies to be filled by Charlie Flatten and Vanessa Puig-Williams. Hearing no objections, the motion was adopted by consensus.

Chair Andruss asked for any objections to adopting the Executive Committee's recommendation for the Industries interest group vacancy to be filled by Rey Chavez. Hearing no objections, the motion was adopted by consensus.

Chair Andruss asked for any objections to adopting the Executive Committee's recommendation for the Municipalities interest group vacancies to be filled by Thomas Taggart, Robert Puente, and Gary Middleton. Mr. Byrum objected. Ms. Wassenich told Chair Andruss that this interest group was not part of the original motion; however, Mr. Riggs, the one who made the original motion, stated that this interest group was in the intention of his motion. Knowing this clarification, Chair Andruss asked again for any objections. Mr. Byrum objected, stating that the smaller cities need a voice in this interest group.

Chair Andruss moved on and asked for any objections to adopting the Executive Committee's recommendation for the River Authorities interest group vacancy to be filled by Jonathan Stinson. Hearing no objections, the motion was adopted by consensus.

Chair Andruss asked for any objections to adopting the Executive Committee's recommendation for the Small Business interest group vacancy to be filled by Darren Simmons. Hearing no objections, the motion was adopted by consensus.

Chair Andruss asked for any objections to adopting the Executive Committee's recommendation for the Water Districts interest group vacancies to be filled by Russell Labus and Debbie Farmer. Hearing no objections, the motion was adopted by consensus.

Chair Andruss asked for any objections to adopting the Executive Committee's recommendation for the Water Utilities interest group vacancy to be filled by Amber Beard. Hearing no objections, the motion was adopted by consensus.

Chair Andruss returned to the Municipalities interest group. Mr. Byrum stated that he will move forward with the hope that the SCTRWPG will conduct deliberate public outreach to smaller, rural communities. Ms. Wassenich stated that she personally reached out to the Goliad County Judge to request that someone apply.

Chair Andruss asked for any objections to adopting the Executive Committee's recommendation for the Municipalities interest group vacancies to be filled by Thomas Taggart, Robert Puente, and Gary Middleton. Hearing no objections, the motion was adopted by consensus.

AGENDA ITEM NO. 8: DISCUSSION AND APPROPRIATE ACTION REGARDING THE RECOMMENDATION OF A TECHNICAL CONSULTANT FIRM TO THE SCTRWPG FOR THE 2026 REGIONAL WATER PLAN

Ms. Heller explained that per their contract with TWDB, SARA had to stick to its own procurement process. This process was voted on in the last SCTRWPG meeting, where three members were selected to represent the planning group on a scoring committee. Those committee members were Charlie Flatten, John Byrum, and Humberto Ramos.

Mr. Flatten spoke to the technical consultant procurement process. The committee met multiple times. Applicants submitted proposals and gave presentations virtually. The margin of the final vote was slim. The committee unanimously recommended Black & Veatch.

Several members of the RWPG expressed concern with the amount of information available to the full committee for it to be comfortable supporting the evaluation committee's recommendation. Mr. Puente moved that the planning group postpone this decision until the applicants can be interviewed by the group. Mr. Ramos seconded this motion. Discussion of the information needed for the RWPG to make an informed recommendation of which respondent technical consultant SARA should commence contracting with ensued.

Based on the committee discussion, Mr. Taylor recommended that the planning group allow SARA to review its solicitation. He is in favor of giving the entire group access to the Statements of Qualification and evaluation criteria. He then proposed having the respondent consultant firms present at the next meeting so that the planning group may ask questions of the firms.

Mr. Taggart asked that the planning group adopt Mr. Taylor's suggestion and allow the responsive consultant firms to give presentations.

Mr. Taylor moved that SARA review the solicitation, that all members of the planning group receive Statements of Qualification and evaluation criteria, and that in the next Planning Group meeting, the responsive consultant firms be present to respond to questions. Mr. Graham seconded the motion.

Ms. Allison Elder, Director of Legal Services at the San Antonio River Authority, reminded Chair Andruss that there is an existing motion made by Mr. Puente. Mr. Puente withdrew his motion.

Chair Andruss asked for additional discussion on the motion made by Mr. Taylor and seconded by Mr. Graham. There was no additional discussion. The motion was adopted by consensus.

Chair Andruss asked if there is a scheduling requirement for placing this item on the next meeting's agenda. Ms. Heller explained that the SCTRWPG can call a special meeting with at least 2 weeks' notice. Chair Andruss stated his preference to conduct this agenda item at the next scheduled meeting in November. Ms. McCoy stated that TWDB will provide the RWPG's with data for the next step in the planning process in December. Chair Andruss stated that this agenda item will be placed on the agenda of the next regularly scheduled meeting in November, pending the River Authority's review of procurement documents. There were no objections and no additional discussion on the matter.

AGENDA ITEM NO. 9: PUBLIC AGENDA ITEMS FOR NEXT MEETING

Mr. Yablonski stated that he currently serves as the planning group's liaison for Region J. He has spoken with Mr. Byrum and would like to nominate Mr. Byrum to serve as Region J's liaison and name this as an agenda item for the November meeting.

Ms. Heller stated that filling the remaining vacancies under the Counties and Electric Generating Utilities interest groups will be added to November's agenda with the requested specific language.

AGENDA ITEM NO. 10: PUBLIC COMMENT

No public comments.

AGENDA ITEM NO. 11: ADJOURN

Chair Andruss called the meeting to adjourn at 11:20 AM.

4. Presentation 1: 9:45 Minute Presentation + Questions at 10:05 AM



Contact Information: Black & Veatch Corporation Lauren Gonzalez, Project Manager 4009 Banister Ln, Ste 412 Austin, TX 78704 2015 512-782-4914 2013-458-2934 2013 GonzalezL@bv.com 2015 www.bv.com

TECHNICAL ENGINEERING CONSULTANT FOR REGION L CYCLE 6 REGIONAL WATER PLANNING

#00219 | JUNE 23, 2021

SAN ANTONIO RIVER AUTHORITY





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- B Executive Summary



B Executive Summary

As a thoughtful and pioneering organization, the South Central Texas (Region L) Regional Water Planning Group (SCTRWPG) has successfully developed five previous Regional Water Plans that secure reliable water supplies for future generations. **The Black & Veatch Team assisted the SCTRWPG during the last planning cycle to deliver the 2021 Regional Water Plan on time and budget, and we are excited to have the opportunity to work with the SCTRWPG again this cycle.** Region L is regarded as a leader in charting the future of water resource management, including development of the SCTRWPG **Guiding Principles**, which maximize consensus and encourage collaboration among stakeholders to implement regional water projects that enrich the lives and economies of the region.

The SCTRWPG seeks an experienced technical consultant team that will carry out the Guiding Principles while facilitating consensus, providing technical insight, engaging stakeholders, meeting all TWDB rules and requirements, and championing innovative solutions, with the ultimate goal being to develop and adopt the 2026 South Central Texas Regional Water Plan. At the time of this submittal, only Tasks 1, 2A, 2B, 8, and 10 (partial) are funded by the TWDB, with remaining tasks contingent upon funding from the Texas Legislature. Our Team has developed a schedule and project approach to complete all tasks, drawing upon our first-hand experience working with the SCTRWPG and knowledge of trends and issues of regional importance.

This proposal is based around our understanding of your goals and how we are the right team to help you reach them, including:

Committed to Meeting Region L's Needs and Expectations. The SCTRWPG will benefit from Black & Veatch's team that combines our experienced and knowledgeable members with new insights from **Jaime Burke**, **Dr. Richard Hoffpauir**, and additional technical support team members. Our understanding of Region L's unique drivers and issues helps us to avoid a steep learning curve that could cause delays, enabling us to deliver a high quality and efficient plan that meets or exceeds stakeholder expectations.

Dedicated to Region L. Our team has a proven track record of dedication, commitment, and adaptability having delivered under a range of circumstances in the last round, including successfully pivoting to virtual meetings during the pandemic. **The SCTRWPG will not compete for our time and focus**, considering our technical team is not currently engaged in other multi-year planning obligations or resource-intensive regional flood planning studies.

Fair Representation for All Planning Group Members and Stakeholders. Region L's stakeholders require and deserve a consultant team that can fairly and uniformly represent stakeholder needs and positions. Black & Veatch's Project Manager, **Lauren Gonzalez**, and her team are committed to remaining neutral, and will deliver a 'bottom up' plan representative

of the planning group members, not Black & Veatch's opinion. We have demonstrated this ability over the past Regional Planning cycle by issuing the 'Quarterly Report of Black & Veatch Team Water Projects,' transparently detailing our team's activities and commitments to Region L stakeholders.

Buy-in and Consensus amongst Stakeholders. The strength and value of the Region L Water Plan depends on stakeholders' ability and willingness to act in concert. We selected our public outreach team member, Laura Raun, because of her history of successfully

building consensus. A robust, dependable public outreach team will facilitate the outreach and consensus process, as shown in the 2011 Region L planning cycle where Laura Raun developed a public comment database to systematically organize public comments and worked closely with the Facilitation Consultant hired by the RWPG to identify contentious issues early and develop a process for resolving them.

Region L Challenges

South Central Texas has its own unique challenges, and our team, led by a core group of professionals right here in South Central Texas, is driven to address them. The SCTRWPG has a history of integrity and open communication, as outlined in the Guiding Principles document developed as a part of the last cycle, and these principles resonate with our team. Examples of challenges that Region L must address in the coming cycle and suggestions to address them:

Competently capture changes in Hays County due to growth. The aggressive growth experienced in Hays county must be addressed in the coming plan. Black & Veatch suggests developing a work group to focus on the growth in Hays County, led by **Jaime Burke**, who has experience in Region K, since Hays County is shared between Region K and Region L. We suggest working towards inter-regional coordination through the respective liaisons and bring members together from K and L. This coordination and proactive planning will help the region be prepared for new demands in the region. This type of open, collaborative, and inclusive planning was a hallmark of Black & Veatch's leadership in the last cycle of planning for Region L, typified in the policy workgroup.

Address unmet needs in the region. Unresolved unmet needs leave some stakeholders at a disadvantage.

Black & Veatch again suggests employing a working group for unmet water users, identifying and develop strategies for estimating and promoting conservation where possible. Region L will have a plan that accurately captures actual activities. The working group will enable members to develop regional water management strategies that can benefit from economies of scale. In this past cycle, Jaime Burke helped Region K identify and recommend new types of irrigation conservation strategies to help reduce unmet needs for irrigation.

Solicitation Packet Attachments



San Antonio River Authority RFQ for Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning ATTACHMENT A-BUSINESS QUESTIONNAIRE

Provide the following information regarding the prime firm, that if selected would sign a contract with the River Authority. Subconsultants do not have to complete this form.

(NOTE: Co-Responders are two or more entities proposing as a team or joint venture with each signing the contract, if awarded. <u>Sub-contractors are not Co-Responders and should not be complete this form.</u> If this submittal includes Co-Responders, each Co-Respondent should complete an Attachment A, questions 1-21 only)

1. Contract Information (for formal contracting purposes):

The following information will be used to write a contract, should your firm be selected for award.

- 1. Firm's Legal Name: Black & Veatch Corporation
- 2. Principal Address: 11401 Lamar Avenue, Overland Park, KS 66211
- 3. Telephone No. 210-274-2371
- 4. Fax No: 913-458-2934
- 5. Agent Authorized to sign contract (Name): Joe Aillet
- 6. Authorized Agent's Job Title: Associate Vice President
- 7. Authorized Agent's email address: AilletJR@bv.com
- Provide any other names under which responders have operated within the last 10 years and length of time for each N/A
- 3. Website address: <u>www.bv.com</u>
- 4. Organization Class (check):
 - □ Individual or Sole Proprietorship, if checked, list Assumed Name, if any:
 - □ Partnership
 - Corporation, if checked check one:
 - For-Profit
 - □ Nonprofit
 - Domestic
 - □ Foreign
- 5. Federal Employer Identification Number: 43-1833073

RFQ# 00219

San Antonio River Authority RFQ for Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning

- 6. Texas Comptroller's Taxpayer Number, if applicable: (NOTE: This 11-digit number is sometimes referred to as the Comptroller's TIN or TID.) 14318330736
- 7. DUNS Number: 09-225-5939
- 8. Date Established: 1915
 - Number of years in business under present name: 106
- 9. Provide address of office from which this project would be managed:
 - Principal Address: 4009 Banister Ln, Ste 412; Austin, TX 78704
 - Telephone No.: 512-721-4472
 - Fax No: 913-458-2934
 - Total Number of Employees: 12 Austin | 4 San Antonio | 9,204 worldwide
 - Total Number of Current Clients/Customers: 64 clients in Texas | 7,000+ projects worldwide
- 10. Contact Information: List the one person who the River Authority may contact contract concerning your submittal:
 - Name: Lauren Gonzalez
 - Title: Project Manager
 - Address: 4009 Banister Ln, Ste 412; Austin, TX 78704
 - Telephone No: 512-782-4914
 - Fax No: 913-458-2934
 - Email address: GonzalezL@bv.com
- 11. Does your firm anticipate any mergers, transfers or organization ownership or management reorganization within the next twelve (12) months?
 - No

□ Yes

RFQ for Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning 12. Is firm authorized and/or licenses to do business in Texas?

□ No

■ Yes, If yes, list authorizations/licenses: Texas Professional Engineer (F-258); Texas Architectural Examiner (BR 1052)

13. Does the firm have an office located in BexarCounty?

□ No

- Yes, If yes, respond to "a" and "b" below:
 - a. How long has the Respondent conducted business from it's Bexar County Office? 60 years
 - b. State the number of full-time employees at the Bexar County office: 4
- 14. Has the firm or any of its principals been debarred or suspending from contracting with any public entity?
 - No
 - □ Yes, If yes, identify the public entity, contact name and phone number of representative familiar with the debarment or suspension, and state the reason for or the circumstances surrounding the debarment or suspension, including but not limited to the period of time for such debarment or suspension:
- 15. Has the firm ever had a bond or surety canceled or forfeited?
 - No
 - □ Yes, If yes, state name of bonding company, date, amount of bond, and reason for cancellation or forfeiture:
- 16. Has the firm ever been declared bankrupt or filed for protection from creditors under state of federal proceedings:
 - No
 - □ Yes, If yes, state the date, court jurisdiction, cause number, amount of liabilities and amount of assets:
- 17. Has the firm ever received any disciplinary action, or any pending disciplinary action, from any regulatory bodies or professional organizations? If "Yes", state the name of the regulatory body or professional organization, date and reason for disciplinary or impending disciplinary action:

Yes. In 2018, Black & Veatch company, Overland Contracting Inc. (OCI), was alleged to have violated the Oregon Contractor's Board regulation prohibiting hiring of an unlicensed subcontractor. While OCI maintained it acted based on the representations of proper licensure by its subcontractor, including in their contract, due to the strict liability imposed in the Oregon regulations, OCI was found in violation of the regulation

RFQ for Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning and paid an associated fine. OCI takes such matters seriously and has taken steps to ensure that future similar violations are avoided. In the opinion of OCI management, this matter will not have a material impact on the work on the proposed project.

- 18. Has the firm ever failed to complete any contract awarded?
 - 🗆 No
 - Yes, If yes, state name of the organization contracted with, services/goods contracted, date, contract amount and reason for failing to complete the contract: Black & Veatch, together with its affiliates constitutes a large, international engineering and construction firm. Like similarly-sized firms, there may be instances where projects may not be completed for many reasons, including those unrelated to Black & Veatch's performance. Black & Veatch does not track all such instances, unless the matter is litigated. In the opinion of Black & Veatch management, no such instances will have a material impact on Black & Veatch's ability to execute this project.
- 19. Has any officer or partner proposed for this project/contract ever failed to complete a contract handled in her or her own name:
 - No
 - □ Yes, If yes, state name of the organization contracted with, services/goods contracted, date, contract amount and reason for failing to complete the contract:
- 20. Litigation Disclosure:
 - a. Has the project manager or any member of the firm's team to be assigned to this engagement ever been indicted or convicted of a felony of misdemeanor greater than Class C in the last five (5) years?
 - No Upon information and belief, No.
 - □ Yes
 - b. Has the project manager or any member of the firm's team been terminated (for cause or otherwise) from any work being performed by the River Authority or any other federal, state, or local government, or private entity?
 - 🗆 No
 - Yes (See below)

Black & Veatch, together with its affiliates constitutes a large, international engineering and construction firm. Like similarly-sized firms, there may be instances where projects may not be completed for many reasons, including those unrelated to Black & Veatch's performance. Black & Veatch does not track all such instances, unless the matter is litigated. In the opinion of Black & Veatch management, no such instances will have a material impact on Black & Veatch's ability to execute this project.

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- c. Has the project manager or any member of the firm's team been involved in any claim or litigation with the River Authority or any other federal, state or local government, or private entity during the last ten (10) years?
 - □ No
 - Yes (See below)

Black & Veatch, together with its affiliates constitutes a large, international engineering and construction firm. Like similarly-sized firms, there may be instances where projects may not be completed for many reasons, including those unrelated to Black & Veatch's performance. Black & Veatch does not track all such instances, unless the matter is litigated. In the opinion of Black & Veatch management, no such instances will have a material impact on Black & Veatch's ability to execute this project.

21. Has your company implemented an Employee Health and Safety Program compliant with 29 CFR 1910 "General Industry Standards" and/or 29 CFR 1926 "General Construction Standards" as they apply to your Company's customary activities? <u>http://www.osha.gov/pls/oshaweb/owasrch.search_form?p_doc_type=STANDAR</u> <u>DS&p_toc_level=1&p_keyvalue=1926</u>

Yes

- 22. How did your firm learn about this solicitation from the River Authority?
- □ Newspaper Legal Notice
- Email notification from the Purchasing Department
- River Authority website: purchasing.sara-tx.org
- □ 3rd Party solicitation service: <u>www.gobonfire.com</u>
- Delta Plan Room. Please identify plan room
- \Box Other. If so, please indicate

23. <u>Provide details on how firm meets the minimum qualifications stated in Part 1,</u> <u>Section 4. (Response should be completed below, do not point to another</u> <u>document)</u>

- a. The details must be completed on this form and shall not point to another document in the Respondent's submittal.
 - i. Our firm and team have more than 17 years' experience with the Texas Water Development Board (TWDB) Regional Water Planning Process, having served on technical consultant teams for 10 of the 16 Regional Water Planning Areas in Texas.
 - ii. Three references are provided later in this form in Attachment A Supplemental Questionnaire in Item B.3.
 - iii. We affirm that the Black & Veatch Team is able to physically attend meetings within the stated counties.

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iv. Black & Veatch's Technical Lead, Jaime Burke, is a licensed professional engineer certified in the State of Texas in good standing with no debarments or discipline actions. Attach copy of certification or documents from the Texas Board of Professional Engineers and Land Surveyors.



- v. Black & Veatch is actively registered to perform engineering services by the Texas Board of Professional Engineers and Land Surveyors (#F-258).
- vi. Black & Veatch is not on the debarred vendor list with the River Authority, the State of Texas, or Federal Debarment List (sam.gov).
- vii. All submittal documents, including a cover sheet, Executive Summary, Attachments A-F, and sections outline in 11. Submission Format, as requested in the RFQ, have been provided along with this response.
- b. Sign below and return form with final submission.

I certify that our firm meets the minimum qualifications as stated in Part 1, Section 4.

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Black & Veatch Corporation D Company

June 23, 2021 Date

ATTACHMENT A – SUPPLEMENTAL QUESTIONNAIRE

Please provide answers to the questions below. The answers provided will assist the evaluation team understand your firm's qualifications. The details must be completed on this form and shall not point to another document in the Respondent's submittal. The evaluation is not limited to the questions below, but the entire submission.

Provide details to support the evaluation criteria stated in Part 1, Section 17. (*Provide details to assist the evaluation team understand how your firm meets each criterion. Please be thorough, answers that are vague or simply restate the evaluation criteria will be scored less than other firms that provide adequate details.*).

A. Identification and understanding of the River Authority's requirements for this project (FACTOR: 20%)

1. Describe your firm's approach and schedule for developing task order scopes and fees.

For Regional Water Planning, the TWDB develops the task order scope and fee for the majority of tasks. The scope is fairly set, although the details of the scope can be tailored to preferences of the Regional Water Planning Group (RWPG) and San Antonio River Authority (SARA). The total fee is also fairly set, while the budget identified for each task can be adjusted by up to 35% without requiring a budget amendment. One major exception to the scope and fee development is the task related to evaluating and recommending water management strategies (WMSs). For this task, the Black & Veatch Team will work with the RWPG and SARA to identify WMSs for evaluation, including reviewing the scope and fee from the previous planning cycle, and developing a sub-task scope and fee for each strategy. The developed scope and fee must be approved by the TWDB before work can begin, although partial scopes of work can be submitted for approval. Our team proposes to begin development of this particular task's scope and fee once major WMSs have been identified and the total budget for the Task 5 has been determined by the TWDB in order to move an initial scope and fee through the approval process in a timely manner.

2. Describe your firm's methodology to manage projects, planning methods and tools used to ensure communication to key stakeholders.

Our project controls system and commitment to accountability are crucial to meeting project quality and budget goals. Our project team is equipped with a library of project controls technology and tools to support successful management of the TWDB's Regional Water Planning Process. Furthermore, our experienced team has a proven track record of effectively managing regional water plans through coordination of the project team; consistent, reliable and clear communication with all stakeholders; and timely management of project tasks. Please see additional relevant information for our project management methodology included under Question 5 in this section below.

Planning methods our team uses on planning projects include clarifying the issue or problem, brainstorming and collaborating with clients or stakeholders to identify potential alternative solutions, evaluating the alternatives based on determined decision criteria, and working with the clients or stakeholders to determine the best option(s). Key to this process is obtaining client or

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stakeholder input at each step. Because regional water planning is a bottom-up process, input from the stakeholders is essential to creating an accurate plan. In addition, before the RWPG can begin considering water management strategies to meet water needs, the process for identifying potentially feasible water management strategies must be developed and presented to the RWPG and the public for comment.

Public participation and outreach are integral to the Regional Water Planning Process. The Black & Veatch Team has customized our project approach and our project controls to ensure that communication with stakeholders is a priority. Our focus on the importance of stakeholder communication will ensure the 2026 Regional Water Plan represents the communities you serve.

The Black & Veatch team will be led by Project Manager, Lauren Gonzalez, who is available by phone and email to respond to stakeholder inquiries and requests. As a Central Texan who lives in the Austin area, she has a vested interest in ensuring that communities in the South Central Texas Region have their water needs met for the next 50 years. She will attend meetings inperson (or virtually if safety guidelines require) to provide presentations, facilitate workgroup meetings, and collaborate with the South Central Texas RWPG. Lauren is supported by a bolstered technical support team that includes Jaime Burke, Katie Snyder, Junior Lagade, Anamaria Sarmiento, Derek Daniels, Stephanie Moore, Richard Hoffpauir, and Christine Westerman, who all have experience with regional water planning in Central Texas. The Black & Veatch Team has a proven history of coordinating with RWPGs to provide information for internal and external communication and to ensure commitments are being met.

Several tools will be used to ensure communication to key stakeholders. Surveys (electronic and hard copy) will be sent to the Water User Group representatives early in the process to confirm proper contact information and request feedback on their existing water supplies and water management strategies, while letting them know to expect additional feedback requests on the population and water demand projections. Tools such as Google Drive (used during the previous planning cycle) or Microsoft Teams will be used to provide review documents to planning group members and allow them to all make their comments/edits within the same document. Hard copies of review documents can also be provided to planning group members that prefer them. The Staff Workgroup meetings, which took place during the previous planning cycles, are another useful tool that our Team proposes to continue to help facilitate efficient RWPG meetings and ensure all desired topics are appropriately covered.

3. Discuss the how timelines are managed, and key milestones anticipated for a regional planning project of this magnitude. How does you firm stay on schedule and ensure its meeting performance measures?

Specifically, schedules are developed by starting with the deliverable due date or key milestone and working backwards to determine when the work needs to be performed in order to allow for required reviews and approvals. Performing this exercise allows work plans to be developed with staff with the big picture in view. The resource-loaded, critical-path-method (CPM) schedule will be prepared in Microsoft Project before the project notice-to-proceed. Beyond simply tracking deliverables, this schedule will allow Project Manager Lauren Gonzalez to track the progress of the work, budget spent, and work completed on a weekly and monthly basis. We will leverage RFQ for Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning

our team members' experience working on the 2021 Regional Water Plans for Regions K, L, M, and P to streamline efforts.

The timeline for the regional water planning projects spans approximately four and a half years. Additionally, certain tasks are funded at certain times throughout the planning cycle, which has an impact on when the work can be done. Managing the ebb and flow of the regional water planning workload while meeting key milestones and staying on schedule is one of the challenges that must be met. Understanding the process and workflow is much easier with previous regional water planning experience. The last two planning cycles have followed similar timelines to what is anticipated for this cycle. Technical Lead, Jaime Burke, managed multiple regional water planning efforts during the last two cycles and met all key milestones, so she is very familiar with following and meeting TWDB schedules for regional water planning projects.

4. Describe how your firm ensures master planning documents have a practical application.

Ensuring the practicality of the planning documents starts with listening to stakeholders. As detailed previously, our team believes in a bottom-up approach that queries and responds to stakeholders at every step of the process. This ensures practicality in that the issues are correctly defined before moving to solutions. In order to bring forward-thinking solutions tailored to meet the River Authority's and stakeholders' needs, a flexible framework of communication, benchmarking, and vetting will be established. In addition, opportunities for funding should be discussed with each solution. This will promote solutions that have stakeholder support, are financially feasible, and have proven applications for reference.

5. Please detail how your firm plans to meet all stated deadlines.

Key personnel identified in this Statement of Qualifications (SOQ) have been selected not only for their expertise and qualifications, but also for their ability and capacity to complete the anticipated scope of work. We will mobilize our deep bench of engineers, scientists, and technical staff to ensure timely and accurate completion of the project tasks. Before the project kicks off, Black & Veatch will develop a project execution plan (PEP) to reserve time and capacity for key personnel. The PEP is a critical project execution "Road Map" for the project team. We develop the PEP by reviewing contract, rule, statute, and technical requirements to integrate them into our QMS requirements. As part of the PEP, a project-specific Quality Management Plan (QMP) is developed to identify how we intend to manage quality objectives with cost and schedule, project communications, and deliverables. Black & Veatch strives to ensure that every client benefits from a quality project from inception through completion. Our PEP ensures staff are committed to fulfill your goals and expectations.

B. Past Performance and experience on projects of this magnitude and complexity (FACTOR: 30%).

1. How has your experience prepared your team to meet the objectives of the regional planning process?

Our Team has extensive experience leading, managing, and conducting regional water planning efforts in Texas, including Region L during the last planning cycle. Since regional water

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planning began, our team members have collectively worked on plans for 10 of the 16 Regional Water Planning Areas. This extensive experience with the TWDB Regional Water Planning Process enables us to efficiently deliver a plan that represents Region L stakeholders and meets water needs for the next 50 years. With our regional water planning experience comes an indepth understanding of the challenges associated with balancing technical, public involvement, budgetary, and statutory requirements. Our knowledge and experience enables us to develop Regional Water Plans that comply with all contractual and statutory requirements set forth by the TWDB while meeting deadlines. When you have Black & Veatch on your team, the RWPG can be assured that they will receive quality deliverables required by the TWDB.

2. List three relevant major projects your organization has in progress that are similar in scope, magnitude, and complexity to this request.

Memphis Stormwater Program Management (MSQ2)

City of Memphis, TN

Black & Veatch is the lead technical subcontractor and deputy program management firm for the City of Memphis' Stormwater Program. This program, referred to as "MSQ2" (Memphis Stormwater Quality & Quantity), will address over \$100 Million in stormwater needs for the City of Memphis. Specific areas where Black and Veatch is contributing include:

- Establishment of an Asset Management Framework, allowing the city to understand and manage operations and maintenance of its entire stormwater system
- Integrated Planning Feasibility Study evaluating the EPA Integrated Planning framework for the City of Memphis and determining if it is a beneficial approach for planning Memphis' water future.
- Green Infrastructure Demonstration Projects The City is partnering with Quantified Ventures to sell Environmental Impact Bonds to fund Green Infrastructure projects in the Beltline neighborhood. Black and Veatch is leading the specific management of this process, selecting and leading three design teams and vetting solutions.
- Risk Integrated Project Prioritization By evaluating risk and driving investments to address the most pressing stormwater risks within the City, this CIP planning methodology presents a way to more equitably improve Memphis.
- Project Development flooding needs were identified throughout Memphis and high-level project descriptions developed, along with opinions of probable costs.
- Visioning Summit Black and Veatch led a visioning summit to establish the vision and mission of the program. This collaborative session formed the basis and calling for the next eight years of stormwater in Memphis

Integrated/One Water Master Plan

City of Winter Haven, FL

Black & Veatch developed an Integrated/One Water Master Plan for the city that establishes actionable strategies, develops project concepts with funding plans, and establishes the basis for integrated, sustainable water resource management for a 50-year planning horizon. The Plan is a watershed-based holistic approach with extensive stakeholder involvement.

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Winter Haven is located within the Peace Creek watershed and has 50 lakes inside and adjacent to the City. The City depends on lakes and natural systems for quality of life. The City operates a public water supply, treatment and distribution system; provides wastewater service; reclaimed water service; and manages a stormwater system is comprised of a network of drainage pipes, ditches, and other conveyances. Winter Haven is developing the One Water Master Plan with a focus on integrating the built environment with natural systems, with multi-benefit watershed restoration and green infrastructure projects being key elements of the Plan.

Key project elements include Integrated Capital Improvements Planning, Green Infrastructure/Multi-Benefit Projects, Low Impact Development Practices, Land Use Planning, Watershed Restoration, Lakes Protection, Population Projections, Water Demand Projections, Water Conservation Planning, Stakeholder Engagement, Communications Planning, Trails & Greenways Planning, and Funding Plans.

Work is divided into three phases that include:

- Phase 1: Project Initiation and One Water Framework
- Phase 2A: One Water Master Planning
- Phase 2B: Water Resource Optimization
- Phase 3A: Adaptive Capital Improvements Plan, One Water Toolkit
- Phase 3B: Flood Mitigation Plan

Black & Veatch completed work on Phase 1, which included project setup, a kickoff workshop, One Water Framework Workshops, communications planning, stakeholder engagement planning, data and information collection, water conservation planning, population and water demand estimates and projections, land use and comprehensive plan assessment and recommendations, funding strategies, lakes impairment review, and hydrologic model conceptualization. Phase 2A and 2B are in progress. Recent efforts include planning of wetlands restoration projects with aquifer recharge, water supply, flood management, habitat, water quality, and recreational benefits.

Feasibility Study

Southern Nevada Water Authority (SNWA)

Black & Veatch is helping SNWA develop a Feasibility Study for a \$1.6B program including 40miles of pipeline through southern Las Vegas and Henderson, multiple large-scale pump stations, a 40-million-gallon reservoir, and interconnection to an existing transmission facility.

Black & Veatch is providing engineering and planning services including data collection, rightof-way, corridor analysis, public outreach planning, hydraulics and hydraulic optimization, environmental assessment, hard and soft ground tunnel evaluations, facility engineering, construction methods, costing, and risk-based alternatives evaluation.

Black & Veatch's approach is helping to screen thousands of possible routes, identify which options are feasible and score the applicable investment planning criteria focused on best performance, lowest lifecycle cost, and location and size of pumping stations and reservoir.

The project requires the development of a multi-stakeholder process that includes facilitation of a multi-criteria decision-making framework to address various stakeholder objectives and coordination across various jurisdictions.

3. Describe your design process with three (3) past examples.

Strategic Business Plan Update and Implementation

Johnson County Stormwater, KS

Black & Veatch led as the technical consultant for the Stormwater Management Program Strategic Plan Update and Program Implementation. A Steering Committee consisting of City representatives was formed to advise on progress and direction in monthly for a workshops.

Subsequent to the strategic plan adoption, the County asked Black & Veatch to facilitate the implementation of the significant changes the strategic plan recommended, including:

- A move from a municipal-based organization to a watershed-based organization
- The inclusion of water quality improvement projects
- The development of an asset management program for stormwater infrastructure
- An increased emphasis on alternative funding.

Black & Veatch facilitated more than 20 workshops with five subcommittees over the course of a year to develop community support and guidance for five initiatives: Watershed-Based Organization, Flood Damage Reduction, Water Quality, System Management, and Funding. Work for this subcommittee effort included the development of White Papers on various subjects, meeting facilitation, and continual program development.

In addition to the subcommittee workshops, Black & Veatch assisted the County with policy and procedures updates, including the development of a comprehensive prioritization methodology (referred to as RIPP for Risk Integrated Project Prioritization) that will define how investments are chosen and will form the basis of their five-year planning cycle.

Comprehensive Water System Master Plan (2012)

Kansas City Water Services Department (WSD), MO

Black & Veatch prepared a Comprehensive Water System Master Plan for the Kansas City WSD. The project consisted of multiple phases with the end product being a balanced Master Plan based on the performance, condition, and hydraulic capacities of the existing water system.

The multifaceted three-year project was a comprehensive look at the WSD system facilities, operations and goals for the future. Black & Veatch worked closely with WSD management and operations to develop a scope of services that pushed the envelope on traditional master planning services and presenting the results of system evaluation. A key component was to give WSD tools that would not only provide a capital improvements plan (CIP) for today but could adjust and be dynamic as the utility and City's needs changed. By using new interactive technologies to develop an interactive CIP for their GIS system, WSD would have tools that can allow projects to change to meet their needs rather than a traditional static list for the CIP.

The wide range of topics examined during this study included:

- Review and update of water demand forecasts, including demographics
- Extensive review and surveys of wholesale customer projected demands.

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- Evaluation of potential supplemental raw water supply alternatives
- Analysis of fire flow protection throughout the system.
- Analysis of water age and improvements to promote better water quality.
- Development of an updated water loss management program.
- Assessment of existing conditions at the WTP and pumping stations throughout the distribution system.
- Evaluation of distribution system infrastructure to prepare a prioritized list of pipe replacement through 2035.
- Development of an interactive capital improvement tool (iCIP) for use through the City's GIS system.
- Development of an adaptable capital improvements program and preparation of a comprehensive water system master plan report.

2016 and 2021 Lower Rio Grande (Region M) Regional Water Plan

TWDB; Administered by Lower Rio Grande Valley Development Corporation, TX Black & Veatch led the technical consultant team for the 2016 and 2021 Region M Regional Water Plan development. Region M includes eight counties along the middle and lower Rio Grande down to the mouth of the river at the Gulf of Mexico. As the lead technical consultant, Black & Veatch assisted the Region M Regional Water Planning Group (RWPG), with technical and public involvement aspects of the project. The Black & Veatch team collaborated with the public, stakeholders, project sponsors and regulatory agencies to develop the plan and to incorporate comments. Black & Veatch coordinated closely with the administrative agent, Lower Rio Grande Valley Development Council, to ensure the RWPG followed public notice and open meetings requirements.

4. Detail the watershed and project description of firm's previous water planning experiences within the past 5 years. Provide at least 2 examples. Each example provided has a two (2) page limit.

In the past five years, the Black & Veatch Team has engaged with numerous water planning projects. In Texas, our previous water planning experience includes the following projects:

2021 South Central Texas (Region L) Regional Water Plan

TWDB; Administered by San Antonio River Authority, TX

Black & Veatch led the technical consultant team for the Region L Regional Water Planning Group (RWPG), which is tasked with developing water plans to meet the region's future water needs over a 50-year planning horizon. Region L includes the Edwards Aquifer, a diverse and sensitive ecosystem that supplies critical drinking water supplies to millions of residents in Region L and beyond.

Black & Veatch was responsible for various aspects of the project, including quantifying current and projected population projections, water demand projections, and water supplies and availability, identifying surpluses and needs, evaluating water management strategies and preparing plans to meet needs, developing drought response information and recommendations, coordinating recommendations for regulatory, administrative, and legislative policies, and documenting and summarizing the work to the RWPG and the public. The Black & Veatch team RFQ for Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning

collaborated with the public, stakeholders, project sponsors and regulatory agencies to develop the plan and to incorporate comments.

Black & Veatch coordinated closely with the administrative agent, San Antonio River Authority to ensure the RWPG followed public notice and open meetings requirements. The Black & Veatch team also collaborated with technical consultants in neighboring regions to ensure appropriate interregional coordination and consideration of shared water user groups.

Long Range Water Supply Plan

Springs Hill Water Supply Corporation (SHWSC), TX

Black & Veatch developed a Long-Range Water Supply Plan for SHWSC, which is located within the Region L Regional Water Planning Area. SHWSC is located in the Guadalupe River Basin and provides water to customers in the Seguin area. The Plan included development of population and water demand projections for the service area and by pressure zone. Multiple projections were developed based on historical growth and water use, school attendance records, existing wholesale water supply contract commitments, and census data, while incorporating a previously contracted SHWSC demand study. Existing supply and projected demands were compared to determine decadal water supply needs from 2020-2070 overall and by pressure zone. Black & Veatch developed a range of potentially feasible water supply strategies, including conservation and drought management strategies, comprehensive planning-level cost estimates on individual water management strategies, and several favorable portfolio options to satisfy SHWSC's long-range water supply needs. Deliverables included writing, reviewing, and revising reports, working closely with the client to ensure accurate representation of the existing system, and documenting and summarizing the work to the client.

Long Range Water Supply Study

City of Leander, TX

The City is experiencing significant population growth and is poised to make water infrastructure investments to secure water through buildout. The City is located north of Austin, straddling the boundary between the Colorado and Brazos River Basins. Black & Veatch developed the City's first Long Range Water Supply Study to determine the most cost-effective method of securing reliable water supplies for the City's full development and build-out by 2070. Population and water demand projections were developed based on historic growth and planning area boundaries. The study also included identification of level of service goals, screening evaluation of potential water supply alternatives, and detailed evaluation of water supply alternatives that could meet the City's future water needs over a 50-year planning horizon. The detailed evaluation assessed the costs, benefits, and reliability of expanding water supplies in Lake Travis for treatment at the Brushy Creek Regional Utility Authority Water Treatment Plant and/or the Leander Sandy Creek WTP, purchasing groundwater from the Carrizo-Wilcox Aquifer, and purchasing surface water from the Brazos River Authority.

5. Detail water resource project description that had multi-purpose benefits including but not limited to flood mitigation effort for a community.

Fontanelle Park in Omaha, Nebraska is a fantastic example of a multi-benefit project that used stakeholder feedback to create a resource for the community. This project included design of a

new lake within a park in a distressed part of Omaha. Combined sewers were separated to address combined sewer overflows, and stormwater was routed to the new pond to provide flood protection benefits, improve water quality, restore native ecological ecology, and create recreational opportunities.

C. Experience and qualifications of the Respondent and key personnel available for this project (FACTOR: 40%).

- 1. Explain your firm's project management process, with emphasis on how the process supports River Authority and TWDB's needs.
 - i. Hydrology and hydraulics analysis
 - ii. water resource management
 - iii. capital project evaluations / assessments
 - iv. cost estimating
 - v. project feasibility analysis.
 - vi. Surface water project analysis
 - vii. Ground water project analysis
 - viii. Water right availability analysis
 - ix. Brackish desalination project analysis

Black & Veatch understands that proper management of resources is critical to coordinate and keep the technical elements moving toward the goal: on-time and on-budget delivery. Not only does this require assignment of skilled leaders to direct tasks, but also a Project Manager who can orchestrate the work, deploying teams to perform tasks in a simultaneous manner that avoids duplication of effort and results in efficient delivery. To guide the efforts of the team, we will develop a thorough Project Execution Plan (PEP) at the initiation of the project. It will contain project and task details that allow team members to begin work efficiently. Information will include the project's scope, budget, schedule, communications plan, assignments, QA/QC plan, health and safety plan, and any other information requested by SARA and Black & Veatch team members to facilitate completion of the project. Project Manager, Lauren Gonzalez will guide the preparation of the PEP and will be responsible for review of each PEP. Once final, the PEP will be distributed to all team members, so everyone has a clear understanding of responsibilities and budgets.

Specifically, for the Region L RWP development, the PEP will identify schedules, milestones, and responsibilities for Water Management Strategy (WMS) evaluation. Subject matter experts in each of the above fields will be leveraged from within Black and Veatch, as shown in our Personnel section. Coordination with subconsultants is also key to meeting these project milestones, and our team has a proven track record of collaboration to meet client needs.

2. How does your firm track project progress?

In addition to the PEP, a resource-loaded, critical-path-method (CPM) schedule will be prepared in Microsoft Project before the project notice-to-proceed. Beyond simply tracking deliverables, this schedule will allow Lauren to track the progress of the work, budget spent, and work completed on a weekly and monthly basis.

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In addition, Black & Veatch will use Earned Value (EV) Reporting to document performance in terms of cost, time and work completed. The team's internal time control systems, complete with budget information, will track the time and cost expenditures against the task/activity budgets. Every month, as part of the invoicing process, the earned value of each task order is calculated based on the percent complete of each sub-task and the budget spent. This process reveals potential challenges to budget or schedule (or both) which are then addressed through corrective actions. The result is a correction of the trend of a task's progress to one that is on budget and on schedule. Any changes to the budget or schedule and its impacts will be communicated to SARA during progress calls and documented on Monthly Reports.

3. How does your firm communicate project status?

Project status updates center around starting each RWPG meeting with a review of task progress against scope and schedule. Specifically, regarding WMS evaluations, identify which WMSs have been evaluated/completed and which are still to go.

Regularly-scheduled calls with SARA (Caitlin Heller), including bi-weekly meetings via Teams to discuss any activities and action items.

Black & Veatch will provide SARA with Monthly Project Progress Reports as part of the invoicing process. The report will detail the status of the projects various tasks and a summary of activities during the reporting period along with upcoming work activities in the next period.

4. How does your firm gauge the success of a project?

Client satisfaction is the primary way Black & Veatch gauges the success of a project. Our Client Directors regularly meet with clients and solicit feedback. Internally, Black & Veatch uses key performance indicators, including those that are financial and schedule-related, to measure the success of a project.

5. How does your firm perform quality checks for a project?

Black & Veatch's approach to quality is captured in our Quality Management System (QMS), which complies with ISO 9001, Quality Management System Requirements. We use the QMS to direct, control, and monitor business processes. As part of the PEP, a project-specific Quality Management Plan (QMP) is developed to identify how we intend to manage quality objectives with cost and schedule, project communications, and deliverables. Black & Veatch strives to ensure that every client benefits from a quality project from inception through completion. James Schlaman and Jeff Henson will be responsible for review of all project deliverables, bringing decades of project experience in water supply planning. Joe Aillet will validate compliance with the contract and the scope of work on an ongoing basis.

6. Please provide an example of how your firm records meeting minutes.

The Black & Veatch Quality Control Program requires designation of a meeting minutes recorder prior to meetings with clients. For meetings such as Planning Group meetings, the recorder takes detailed notes regarding meeting participants, subject of each deliberation, discussions, decisions, and action items from the meeting, as well as identification of next meeting dates. Other team members present at the meeting separately document activities and

action items, as necessary. Within two business days after the meeting, the recorder prepares and distributes draft meeting minutes, typically, organized by Agenda Item. Team members review the draft minutes and coordinate to ensure mutual understanding of meeting decisions and conclusions. The Project Manager transmits draft minutes to the client for review and consideration. Based on comments received, meeting minutes are revised, finalized, and distributed to participants and other parties, as appropriate.

Historically, meeting minutes for Region L Work Groups have been prepared by various entities, including members of the work group, SARA, and/or the technical consultant team. For RWPG and Staff Workgroup Meetings, SARA has historically prepared and distributed draft minutes for internal review by SARA staff, the SCTRWPG Secretary, and the Black & Veatch Team.

While SARA has been responsible for preparing the official meeting minutes, the Black & Veatch Team also takes detailed notes, following the process identified above and then meets internally to review the documented discussions and decisions made during the meeting to ensure there is mutual understanding, action items are comprehensively documented, and assignments are made to implement action items. The Black & Veatch Team also includes Laura Raun Public Relations, who have extensive experience with public outreach, meeting facilitation, and communication material development. Should SARA wish to have the Black & Veatch Team support or be responsible for development of meeting minutes, our team has the capabilities and processes to support meeting minute preparation.

D. Local Understanding (FACTOR 10 %)

1. How familiar is your firm with the rules for state and regional water planning and regional water planning grant assistance adopted by the TWDB (31 TAC Chapter 362, Subchapter F, Regional Water Planning Grant Rules; and 31 TAC Chapter 362, State Water Planning Guideline Rules) and which rules does your firm find most conductive to the goals herein?

Black and Veatch is an active participant and observer of legislative and Board activities. We understand that effective May 2021, revised rules in 357.21 now require a seven-day notice period for meetings instead of 72-hour notice. The revised rules also require meeting materials to be published on the region's website three days prior to the meeting and made available within seven days of the meeting, instead of "prior to and following the meetings." These revised rules regarding notice and meeting materials will necessitate advanced scheduling and coordination among the SCTRWPG, SARA and technical consultant.
San Antonio River Authority RFQ for Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning ATTACHMENT B-SUBMISSION EXCEPTIONS/CLARIFICATIONS

<u>Any</u> exceptions or clarifications taken to this solicitation must be itemized on the lines below. Additional pages may be added as needed. If there are no exceptions or clarifications, please sign where indicated at the bottom of the page.

- Item # Description
- Art. 7.1 includes a requirement to provide copies of the consultant's insurance 1. policies upon request. In a previous agreement with SARA, it was agreed upon to change the language in the fifth paragraph of 7.1 to read: "The RIVER AUTHORITY shall be entitled, upon request and without expense, to receive the Certificates of Insurance required by the RIVER AUTHORITY. In addition, RIVER AUTHORITY may view the insurance policies of CONSULTANT at the offices of CONSULTANT at any time. If the Certificate of Insurance does not meet the requirements of this Agreement, RIVER AUTHORITY shall request changes in the coverage levels, and **CONSULTANT** shall be required to comply with any such requests and shall submit a copy of the replacement Certificate of Insurance to the RIVER AUTHORITY at an address provided by the RIVER AUTHORITY within ten (10) days of the requested change. CONSULTANT shall pay any costs incurred resulting from said changes.". Black & Veatch requests that SARA has the same position on this request.
- 2. Ownership and use of documents: Art. 12 states that the River Authority shall own draft and final documents prepared for the project. In a previous agreement with SARA, it was agreed upon to include the following statement that Black & Veatch would not be liable for re-use of the documents. Such statement was added to Art 12.2 and read as follows: "Authorization to reuse, modify or utilize the documents and reports shall not be unreasonably withheld by CONSULTANT. The RIVER AUTHORITY agrees to waive any claim against the CONSULTANT arising from any unauthorized reuse or modification of the documents and reports." Black & Veatch requests that SARA has the same position on this request.

The above exceptions and clarifications (and any additional pages identified) are the ONLY exceptions/clarifications to the specifications. I understand that the River Authority may not accept additional exceptions produced after final submission of this submittal.

Ailler Black & Veatch Corporation June 23, 2021 Company Date

No Exceptions are taken to this solicitation.

Signature

Company

Date

San Antonio River Authority RFQ for Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning ATTACHMENT C - REFERENCES

Provide three (3) references, that the Respondent has provided goods/services to within the past three (3) years. The contact person named should be familiar with the day-to-day management of the contract and be willing to respond to questions regarding the type, level, and quality of service provided.

	REFERENCE ONE
Firm/Company Name:	Hidalgo County Irrigation District No. 2
Contract Person and Title	Sonny Hinojosa, General Manager
Address:	326 N Standard Ave, San Juan, Texas 78589
Telephone No:	(956) 787-1422
Email:	Sh hcid2@sbcglobal.net
	Lead technical consultant for 2021 Rio Grande (Region M)
Scope of Work:	Regional Water Plan
Contract Period:	2016 - 2021
Annual dollar value of contract:	\$860,000 (5-year total contract value)
	REFERENCE TWO
Firm/Company Name:	San Antonio Water System
	Alissa Lockett, Senior Director Production &
Contract Person and Title	Treatment Operations
Address:	2800 US Hwy 281 North; San Antonio TX 78212
Telephone No:	210-233-3401
Email:	Alissa.lockett@saws.org
	Conceptual planning, program/construction management of
Scope of Work:	Central Water Integration Pipeline (Vista Ridge)
Contract Period:	November 2016 – May 2021
Annual dollar value of contract:	\$16,000,000 (total contract value)
	REFERENCE THREE
Firm/Company Name:	Guadalupe-Blanco River Authority (GBRA)
	Charles M. Hickman, P.E., Executive Manager of
Contract Person and Title	Engineering
Address:	933 East Court Street, Seguin, TX 78155
Telephone No:	(830) 379-5822, ext. 240
Email:	CHickman@gbra.org
Seene of Work:	Spillgate replacement and dam armoring for Lakes Dunlap,
Scope of Work: Contract Period:	McQueeney, and Placid
Annual dollar value of contract:	2019 - 2024 \$4,000,000 (2010 to 2021 total contract value)
Annual donar value of contract:	\$4,000,000 (2019 to 2021 total contract value)

CONFLICT OF INTEREST QUESTIONNAIRE -

For vendor or other person doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local government entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

1 Name of vendor who has a business relationship with local governmental entity. Black & Veatch Corporation

Check this box if you are filing an update to a previously filed questionnaire.

(The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 Name of local government officer about whom the information in this section is being disclosed.

No

No

No

Name of Officer

This section, (item 3 including subparts A, B, C & D), must be completed for each officer with whom the vendor has an employment or other business relationship as defined by Section 176.001(1-a), Local Government Code. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer named in this section receiving or likely to receive taxable income, other than investment income, from the vendor?

B. Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer named in this section AND the taxable income is not received from the local governmental entity?

es			
00			

Yes

C. Is the filer of this questionnaire employed by a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership of one percent or more?

Yes

D. Describe each employment or business and family relationship with the local government officer named in this section.

 4
 I have no Conflict of Interest to disclose.

 5
 June 23, 2021

 Signature of vendor doing business with the governmental entity
 Date

FORM CIQ

San Antonio River Authority RFQ for Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning

ATTACHMENT E- SMALL, WOMEN HUBZONE, DISADVANTAGED BUSINESSES

Please complete the following information, if your business falls into any of the below categories, using the size regulations as set forth on the Small Business Association's website, http://www.sba.gov/size/. Businesses must be at least 51% minority-owned, woman-owned, veteran owned, or service disabled veteran owned for designation to apply. Historically Underutilized Businesses or Disadvantaged Business Entities must be certified by state or regional agency for these designations to apply.

The River Authority encourages all businesses that fall into the categories listed below to become certified by the South Central Texas Regional Certification Agency. For more information, please contact 210-227-4722 or www.sctrca.org.

• Firm Name:

• Check all that Apply:

Small Business Entity

Minority Owned Business Entity Veteran Owned Business Entity Service Disabled Veteran Owned Business Entity Small Disadvantaged Business Entity Woman Owned Business Entity HUBZone Business Entity Other

• Is your firm certified by an Agency?

No

Yes, if yes, name of agency(ies) certified by:

- Check the answer that applies to your organization for the following statements:
 - The company and/or its principals **are are not** presently debarred, suspended, or determined to be ineligible for an award of a contract by a Federal Agency.
 - The company and/or its principals **(comply)** does not comply with the nonsegregated facilities in accordance with FAR 52.222-21.

Under 15 U.S.C. 645(d), any person who misrepresents its size status shall (1) be punished by a fine, imprisonment, or both; (2) be subject to administrative remedies; and (3) be ineligible for participation in programs conducted under the authority of the Small Business Act. As prescribed in FAR 19.301(d), the U.S. Government may impose a penalty against a firm misrepresenting its business size and/or disadvantaged status for the purpose of obtaining a procurement award. The information contained herein is complete and accurate in all details to the best of my knowledge and belief.

P

RICHARD HOFFPAUR OWNER JUNE 16, 2021 Printed Name Title Date

Signature of Authorized Official

San Antonio River Authority

RFQ for Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning

- 1. The Respondent represents that it χ is, ______ is not a small business concern.
- Complete only if Respondent represents itself as a small business concern in question 1.) The Respondent represents that it ______ is, _____ is not, as small disadvantaged business concern as defined in 13 CFR 124.1002.
- 3. (Complete only if Respondent represents itself as a small disadvantaged business concern in question 2.) The Respondent shall check the category in which its ownership falls:

Black American

Hispanic America

Native American (American Indians, Eskimo, Aleuts, or Native Hawaiians)

Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory of the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

Individual/concern, other than one of the preceding.

- 4. The Respondent represents that it _____ is, X is not a women-owned small business concern.
- 5. The Respondent represents that it _____ is, χ is not a veteran-owned small business concern.
- 6. (Complete only if Respondent represents itself as a veteran-owned business concern in question b.5.) The Respondent represents that it ______ is, ______ is not a service-disabled veteran-owned small business concern.
- 7. The Respondent represents that:
 - A. It ______ is, X_____ is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and
 - B. It ______ is, _____ is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate of the HUBZone small business concern or concerns that are participating in the joint venture. Enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: ______. Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

San Antonio River Authority RFQ for Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning

ATTACHMENT E- SMALL, WOMEN HUBZONE, DISADVANTAGED BUSINESSES

Please complete the following information, if your business falls into any of the below categories, using the size regulations as set forth on the Small Business Association's website, http://www.sba.gov/size/. Businesses must be at least 51% minority-owned, woman-owned, veteran owned, or service disabled veteran owned for designation to apply. Historically Underutilized Businesses or Disadvantaged Business Entities must be certified by state or regional agency for these designations to apply.

The River Authority encourages all businesses that fall into the categories listed below to become certified by the South Central Texas Regional Certification Agency. For more information, please contact 210-227-4722 or www.sctrca.org.

• Firm Name:

• Check all that Apply:

Small Business Entity Minority Owned Business Entity Veteran Owned Business Entity Service Disabled Veteran Owned Business Entity Small Disadvantaged Business Entity

Woman Owned Business Entity HUBZone Business Entity Other TEXAS HISTORICALLY UNDERUTILIZED BUSINESS (HUB)

• Is your firm certified by an Agency?

No Yes, if yes, name of agency(ies) certified by: CITY OF AUSTIN STATE OF TEXAS

- Check the answer that applies to your organization for the following statements:
 - The company and/or its principals **are not** presently debarred, suspended, or determined to be ineligible for an award of a contract by a Federal Agency.
 - The company and/or its principals **comply does not comply** with the non-segregated facilities in accordance with FAR 52.222-21.

Under 15 U.S.C. 645(d), any person who misrepresents its size status shall (1) be punished by a fine, imprisonment, or both; (2) be subject to administrative remedies; and (3) be ineligible for participation in programs conducted under the authority of the Small Business Act. As prescribed in FAR 19.301(d), the U.S. Government may impose a penalty against a firm misrepresenting its business size and/or disadvantaged status for the purpose of obtaining a procurement award. The information contained herein is complete and accurate in all details to the best of my knowledge and betief.

6.6.2 Signature of Authorized Official Printed Name

San Antonio River Authority

RFQ for Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning

- 1. The Respondent represents that it 💉 is, _____ is not a small business concern.
- Complete only if Respondent represents itself as a small business concern in question 1.) The Respondent represents that it ______ is, _____ is not, as small disadvantaged business concern as defined in 13 CFR 124.1002.
- 3. (Complete only if Respondent represents itself as a small disadvantaged business concern in question 2.) The Respondent shall check the category in which its ownership falls:

Black American

Hispanic America

Native American (American Indians, Eskimo, Aleuts, or Native Hawaiians)

Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory of the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).

Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).

Individual/concern, other than one of the preceding.

- 4. The Respondent represents that it 🖌 is, ____ is not a women-owned small business concern.
- 5. The Respondent represents that it _____ is, _____ is not a veteran-owned small business concern.
- (Complete only if Respondent represents itself as a veteran-owned business concern in question b.5.) The Respondent represents that it ______ is, _____ is not a service-disabled veteran-owned small business concern.
- 7. The Respondent represents that:
 - A. It ______ is, \checkmark is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and
 - B. It ______ is, ______ is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate of the HUBZone small business concern or concerns that are participating in the joint venture. Enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: _______. Each HUBZone small business concern participating in the joint venture shall submit a separate signed copy of the HUBZone representation.

San Antonio River Authority

RFQ for Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning

ATTACHMENT F - ACKNOWLEDGMENT

The undersigned agrees this submission becomes the property of the San Antonio River Authority (River Authority) after the official opening.

I understand that my submission may be treated as a public record under the Texas Public Information Act. 1 have marked pages that 1 consider to be confidential as "confidential." I further <u>INDEMNIFY AND HOLD</u> <u>HARMLESS</u> the River Authority for the release of any portion of my information, as may be required by law.

The undersigned affirms he has familiarized himself with the specification, drawings, exhibits and other documents; the local conditions under which the work is to be performed; satisfied himself of the conditions of delivery, handling and storage of materials and equipment; and all other matters that will be required for the work before submitting a response.

The undersigned agrees, if this submission is accepted, to furnish any and all items/services upon which prices are offered, at the price(s) and upon the terms and conditions contained in the specification. The period for acceptance of this submission will be 120 calendar days unless a different period is noted.

The undersigned affirms that they are duly authorized to execute this contract, that this submission has not been prepared in collusion with any other Respondent, nor any employee of the River Authority, and that the contents of this submission have not been communicated to any other Respondent or to any employee of the River Authority prior to the acceptance of this submission.

Respondent hereby assigns to the River Authority any and all claims for overcharges associated with this contract which arise under the antitrust laws of the United States, 15 USCA Section 1 et seq., and which arise under the antitrust laws of the State of Texas, Tex. Bus. & Com. Code, Section 15.01, et seq.

The undersigned affirms that they have read and do understand the specifications, all exhibits and attachments contained in this solicitation package.

The undersigned agrees that the solicitation package posted on the website are the official specifications and shall not alter the electronic copy of the solicitation package, without clearly identifying changes.

The undersigned understands they will be responsible for monitoring the River Authority Purchasing Website at: <u>purchasing.sara-tx.org</u> to ensure they have downloaded and acknowledged all addendum(s) required for submission with their response.

I certify that I have made no willful misrepresentations in this submission, nor have I withheld information in my statements and answers to questions. I am aware that the information given by me in this submission will be investigated, with my full permission, and that any misrepresentations or omissions may cause my submission to be rejected.

In submitting a response to the River Authority, the responder offers and agrees that if the response is accepted, the responder will convey, sell, assign or transfer to the River Authority all rights, titles and interest in and to all causes to action it may now or hereafter acquire under the Anti-trust laws of the United States and the State of Texas for price fixing relating to the particular commodities or services purchased or acquired by the River Authority. At the River Authority's discretion, such assignment shall be made and become effective at the time the River Authority tenders final payment to the responder.

Acknowledge receipt of following addenda to the solicitation:

Addendum No 1 Dated June 14, 2021 Addendum No 2 Dated	Received June 14, 2021 Received
Addendum No 3 Dated	Received
NAME AND ADDRESS OF COMPANY:	AUTHORIZED REPRESENTATIVE:
Black & Veatch Corporation	Signature Joseph R diller
14100 San Pedro Ave #570	Date June 23, 2021
San Antonio, TX 78232	Name Joseph R. Aillet
	Title Associate Vice President
Tel. No. 210-274-2371	Email. AilletJR@bv.com

Experience and Resources



D Experience and Resources

1. OVERVIEW OF BLACK & VEATCH AND OUR TEAM

Black & Veatch is an industry leader in solving critical water infrastructure issues. Our team has extensive experience with the Texas Water Development Board (TWDB) Regional Water Planning process, having served on technical consultant teams for 10 of the 16 Texas Regional Water Planning Areas Our Texas-based team will leverage our wealth of expertise to develop a Region L Regional Water Plan that represents stakeholders and meets water needs for the next 50 years.

Since our founding in 1915, Black & Veatch have completed nearly 35,000 projects for more than 6,600 different clients. With offices throughout the state, Black & Veatch began serving Texans in the 1950s (San Antonio), and opened its first Texas office in 1974 (Dallas). **Our local office in San Antonio has served Bexar County and Central Texas clients for more than 60 years.** Today, we have more than 300 professionals in Texas and routinely work for clients across the state.

As a leader in water resources planning and engineering, Black & Veatch has the expertise to address the entire water cycle — from source to receiving water. Our staff includes nationally recognized experts in water supply planning, water conservation, hydrology, hydraulics, cost estimating, design and utility management. We have assembled a highly qualified interdisciplinary team that is fully capable and available to fulfill the outlined scope of services for Region L.











OUR SUBCONSULTANT PARTNERS -

SWCA is a 100% employee-owned firm established in 1981 and is one of the largest consulting firms dedicated solely to natural ENVIRONMENTAL CONSULTANTS and cultural resources and environmental planning. SWCA brings considerable knowledge to the team from over 25 years of environmental support to public entities within the San Antonio River Basin, including SARA, SAWS, Bexar County, San Antonio, CPS Energy, and many local water utilities. As part of the Black & Veatch team, SWCA prepared the environmental analysis for the 2021 Texas Region L Water Plan and has been preparing environmental impact assessments for water utility projects to support the TWDB environmental review process since 2004.

INTERA is an employee-owned Texas corporation with over 200 opgingers and the state of the sta over 200 engineers and scientists (50 in Texas) focused on developing practical, reliable and sustainable solutions to water resource and environmental challenges. We are a leader in Texas hydrogeology, including the Edwards, Gulf Coast, Carrizo-Wilcox, and Queen City-Sparta aguifers which underlie much of Region L. We are experts in evaluating groundwater supply strategies such as ASR and the development of brackish groundwater resources. INTERA brings more than 20 years of experience working with the TWDB, Groundwater Conservation Districts (GCDs) and Groundwater Management Areas (GMAs) throughout the state, including many in Region L.



HOFFPAUIR CONSULTING, PLLC (SBE) will provide surface water modeling expertise to assist with water management strategy (WMS) evaluations, surface water supply availability and cumulative Hoffpauir Consulting effects evaluation. Hoffpauir Consulting, is a Texas-based company

that specializes in consulting services in surface water supply and water availability modeling using the Water Rights Analysis Package (WRAP) and the TCEQ Water Availability Model (WAM) modeling systems. The company also provides consulting services in the areas of Texas surface water rights permitting, Texas regional water planning, and hydrologic analyses related to surface water availability and environmental flow modeling.



LAURA RAUN PUBLIC RELATIONS (LRPR) (WBE) is an award-winning PR firm that specializes in public outreach, stakeholder input, and TAURA RAILY PUBLIC RELATIONS facilitation in the water industry. LRPR has extensive experience in regional water planning, including for Region L. Founded in 2002, SIMPLICITY WORKS LRPR has developed expertise in creating messages, compelling

graphics, communications materials, and communications tools that explain water planning to a wide range of audiences in ways that are relevant. LRPR understands how to make water issues meaningful to those who are familiar with the regional water planning process as well as those who are not.

3. ORGANIZATION CHART

REGION L SOUTH CENTRAL TEXAS REGIONAL

WATER PLANNING GROUP

P R I N C I P A L - I N - C H A R G E	
Joe Aillet	
QA/QC	PROJECT MA
James Schlaman	Lauren Gonz
Jeff Henson	
GIS & DATA	TECHNICAL
MANAGEMENT	Jaime Bur
Rachel Yeager	
Rich Hayslett	
ENVIRONMENTAL IMPACTS	TECHNICAL S TEAM
Christine Westerman 🗖 🗞	Katie Snyd
Richard Hoffpauir 🗖 🗞	Junior Lag
Lauren Gonzalez 🗞	Matt Rich
	Anamaria Sa
GROUNDWATER	Derek Dar
Stephanie Moore 🗕 🗞	Allison B
Andrew Chastain-Howley %	Carlos Mantil
Ed Rectenwald	Beau Ur
Jaime Burke %	Drew Acke
PUBLIC OUTREACH	Kumar Sar
Laura Raun	Lou Port
Lauren Gonzalez %	
Matt Richart®	
Matt Nichart δ	

KEY: Key Team Member SWCA Hoffpauir Consulting INTERA Laura Raun Public Relations

— WE KNOW REGIONAL WATER PLANNING — Every member of our team has worked on regional water planning projects.



RESUME BIO INFORMATION VALUE TO THIS PROJECT

LAUREN

Project

Manager

12 YRS EXP

GONZALEZ



Served as Project Manager for the 2021 South Central Texas (Region L) Regional Water Plan. Specializes in water planning, regulatory and policy issues, and water quality. Has served on technical consultant teams for Regions B, C, I, L, and M.

	JAIME BURKE, PE Technical Lead 22 YRS EXP	Served as Project Manager for the 2016 and 2021 Lower Colorado (K) and Lavaca (P) Regional Water Plans. Experienced in water resources planning and regional water planning, including leading the technical consultant teams for Regions P and K for multiple planning cycles. See page 58 for evidence of Texas PE.
	RICHARD HOFFPAUIR, PHD, PE SME WAM 18 YRS EXP	Specializes in surface water supply and water availability modeling using the WRAP and the TCEQ WAM. Expertise includes Texas surface water rights permitting, Texas regional water planning, and hydrologic analyses related to surface water availability and environmental flow modeling. <i>See page</i> <i>58 for evidence of Texas PE.</i>
F	ANDREW CHASTAIN- HOWLEY, PG SME Conservation 28 YRS EXP	Currently serving as a consultant lead for TWDB sponsored Water Audit Validation Pilot Program. Served as Technical Manager for Water Conservation Master Plan of the City of Fort Worth and Technical Lead for data development on two Groundwater Availability Models for the state of Texas.
	JO-ANN JACKSON SME Reuse 38 YRS EXP	Experienced in planning, permitting, design, and implementation of water reuse and One Water programs from urban and agricultural irrigation to environmental enhancement and potable reuse. Member of the AWWA Potable Reuse Standard Committee and a contributor to the 2012 update of the EPA Guidelines for Water Reuse.
	CHRISTINE WESTERMAN Environmental Impacts 32 YRS EXP	Managed environmental impacts analyses for the 2021 South-Central Texas Regional Water Plan (Region L). Has been performing environmental impacts assessment for the TWDB-funded projects since 2004.
	STEPHANIE MOORE, PG Groundwater	Managed groundwater impacts and analyses for the 2021 South Central Texas Regional Water Plan (Region L). Career devoted to work on technical and policy matters

Career devoted to work on technical and policy matters involving SW-GW interaction, vadose zone hydrology, and stormwater.

23 YRS EXP

00	LAURA RAUN Public Outreach 31 YRS EXP	Laura is an expert in making technical information about water understandable to a wide audience. She worked on the 2016 Region K Water Plan and the 2011 Region L Water Plan, for which she led stakeholder and public outreach. Her approach focused on engagement of water user groups and stakeholders.
	MATT RICHART, PE Public Outreach 17 YRS EXP	Based in San Antonio, Matt has led water supply, treatment, and distribution projects regionally and nationally. Matt will draw on his experience with the SAWS Central Water Integration Pipeline Project to coordinate with WUGs on infrastructure components and costs for WMSs.
6	KATIE SNYDER Technical	Katie provided technical support for development of the 2021 Region L and Region M Regional Water Plans.

Technical Support Team 2 YRS EXP the 2021 Region L and Region M Regional Water Plans. Responsible for DB22 input, WMS evaluations, water availability analyses, and modeling cumulative effects of plan implementation on state resources.

2. WORKLOAD _____

Black & Veatch is fully committed and focused on Region L. All of our Key Team Members have availability through 2025 to support SCTRWPG's planning needs. None of our key team members are currently engaged in other Regional Water Plans. In the event of a necessary change of staff, a succession plan for key team members has been identified to ensure a seamless transition.

	% AVAILABILITY FOR REGION L							
KEY TEAM MEMBER	2021	2022	2023	2024	2025			
Lauren Gonzalez	35	60	75	70	75			
Jaime Burke	35	50	50	50	50			
Richard Hoffpauir (Hoffpauir Consulting)	10	10	30	30	20			
Andrew Chastain-Howley	20	20	25	30	35			
Jo-Ann Jackson	20	25	40	75	75			
Christine Westerman (SWCA)	25	15	15	30	30			
Stephanie Moore (INTERA)	5	15	15	15	10			
Laura Raun (LRPR)	10	30	30	40	50			
Matt Richart	10	15	15	10	10			
Katie Snyder	35	60	60	60	60			

4. EXPERIENCE WITH PUBLIC ENTITIES

As a leader in the Water Industry, Black & Veatch has provided a wide range of water, and wastewater services on thousands of projects for public and private entities of all sizes around the world. Working with public entities to solve their water and wastewater needs is a fundamental piece of our business. Below, we highlight a sample of projects completed by our team members that are similar to the Regional Water Plan.

Black & Veatch & SWCA

Region L Water Plan; 21 Counties, Texas |

Black & Veatch led the project and performed the majority of the project tasks, coordinating extensively with SARA and other public entities involved in the planning process. SWCA performed the environmental impacts analyses. SWCA evaluated each water management strategy for potential impacts on ecological communities, surface and groundwater quality, quantity and streamflow impacts, threatened and endangered species, and cultural resources. Key staff from both companies participated in planning group meetings, staff workgroup meetings, and public meetings soliciting public input.

Central Water Integration Pipeline; San Antonio, Bexar County, Texas | Black &

Veatch led planning and implementation of a new 45 mgd groundwater supply for SAWS, including hydraulic modeling, water quality evaluations, treatment process alternatives, and identification of infrastructure components for integration into the distribution system. Provided program and construction management phase services through completion of the \$160M program. SWCA provided environmental baseline studies and permit application support for three separate enrollment actions for the Southern Edwards Plateau Habitat Conservation Plan.

INTERA

Regional Planning for the Llano Estacado Regional Planning Group (Region O),

Texas | INTERA provided technical support for the 5th Cycle of the comprehensive regional planning process. INTERA assessed groundwater availability, identified potentially feasible water management strategies, and prepared sections of the Region Water Plan. Assessment of groundwater availability included obtaining and reviewing the Modeled Available Groundwater (MAG) volumes developed by TWDB based on the Desired Future Conditions (DFCs) adopted by GMAs. INTERA investigated potential groundwater-related hydrologic variances, including the use of MAG Peak Factors.

Identification of potentially feasible water management strategies focused on municipalities relying on groundwater wells or wellfields, and general unmet needs for nonirrigation water user groups, such as county level mining and manufacturing needs.

Update of Groundwater Availability Model of the Central Portion of the Sparta, Queen City, and Carrizo-Wilcox Aquifers, Texas |

As a consultant for TWDB, INTERA analyzed approximately 1,200 geophysical logs to map the Mexia-Talco Fault Zone and the severity of offsets in the Simsboro Formation as a result of faulting. Over 200 aquifer pumping tests were analyzed to find evidence of faults on groundwater flow and determine aquifer hydraulic properties. Other activities included a literature review to characterize the physical and hydraulic properties and develop a geohydro-stratigraphic model to determine relationships and potential constraints when assigning hydraulic properties to aquifers during model calibration. Stakeholder workshops were conducted to request information, discuss potential approaches to the modeling, and provide updates on the progress of the modeling efforts.

LAURA RAUN PUBLIC RELATIONS

Lower Colorado Regional Water Planning Group (Region K), Texas | During the 2016 planning process, it was realized that more information was needed about water providers' water conservation and drought contingency efforts to meet new requirements of the 2016 cycle.

LRPR developed an informational survey to collect critical data from water providers in a logical, easy to use and comprehensive format. The survey was designed to take no more than 15 minutes, and was available in an interactive online format or by mail.

LRPR followed up with recipients to confirm receipt of the survey, answer questions and encourage completion of the survey. A 50% response rate was achieved, surpassing previous response rates by a large margin.

HOFFPAUIR CONSULTING

Austin Water Forward, Texas | Dr.

Hoffpauir was a consultant to Austin Water, on the City's first 100-year integrated water resources plan, also known as Water Forward. The first iteration of the plan was finalized in 2018 and will be updated every five years. The water availability modeling focused on the evaluation of water supply yield under drought of record and drought worse than a drought of record (DWDR) scenarios. Both historical and climate change (non-stationary hydrology) conditions were considered when developing stochastic DWDRs sequences.

5. TEAM WORK HISTORY

Black & Veatch has a history of collaborating with this team on a variety of projects, including the previous Region L planning cycle. Black & Veatch collaborated with SWCA from 2016-2020 and Stephanie Moore of INTERA from 2018-2020 while working on the Region L 5th planning cycle.

6. WORK ENVIRONMENT

The Black & Veatch team includes local professionals located in San Antonio along with professionals working from Black & Veatch's regional offices. Black & Veatch uses technology to ensure that our professionals collaborate effectively both in person and remotely. Bentley ProjectWise is used to manage, share and collaborate on project files. We also use Microsoft Teams, which offers instant messaging, video and audio meetings, screen sharing and other application integrations to allow our team members to effectively engage one another on any project needs.

7. OTHER RESOURCES AVAILABLE

The majority of equipment used by the Black & Veatch Team will be software and computer-based. Examples of programs we may use include ArcGIS, Microsoft Office programs, Microsoft Teams, Adobe Suite, Power BI, TCEQ WRAP, MODFLOW, and TWDB databases. Additionally, models will be used for water availability, strategy evaluations, and cumulative effects analyses, including but not limited to GSA WAM, Nueces WAM, Flow Regime Application Tool (FRAT), MODFLOW Model of the Edwards Aquifer, Southern Carrizo-Wilcox-Queen City-Sparta GAM, Central Carrizo-Wilcox-Queen City-Sparta GAM, Gulf Coast GAM, Trinity GAM, Lower Nueces River Basin & Estuary Model (NUBAY), HSPF Models of the Edwards Aquifer Recharge Zones, and GWSIM-IV Model of the Edwards Aquifer.

8. WORKING AS A JOINT VENTURE OR TEAM

Black & Veatch routinely partners with other firms to leverage local expertise and specialized services necessary to provide our clients with the best services possible.

For the 6th cycle of Region L Water Planning, Black & Veatch will again coordinate work with SWCA and Stephanie Moore (now with INTERA) who also were part of the Black & Veatch Team for Region L's 5th planning cycle, providing a familiar, experienced team for this next regional water planning cycle.

During the previous planning cycle, Black & Veatch actively coordinated with WMS sponsors to develop the project scope and other relevant information, which was then mapped in GIS. The Black & Veatch Team performed costing analyses, determined yield analyses, and performed WAM to determine whether WMS could fit within the WAM, while not negatively impacting existing water rights and complying with environmental flow standards. The WAM evaluations were provided to SWCA and Stephanie Moore to input their contributions and conduct a general review, after which a final evaluation was sent to the sponsor.

SWCA is fulfilling the same role as in the 5th cycle, including environmental and cultural resource evaluations for water management strategies (Task 5), cumulative effects analysis (Task 6), and public participation (Task 10). They previously assisted with responses to comments from WMS sponsors, the public, and state and other agencies. SWCA was actively engaged with the 2021 plan enhancement process and the Environmental Assessment Workgroup, which focused on evaluating current methodologies and determining if additional or alternative environmental assessments or individual water management strategies, are necessary, and if so, identifying costs associated with the additional/alternative evaluation and how costs would be covered.

Stephanie Moore was actively engaged with the groundwater availability analyses (Task 3), firm yield analyses for water management strategy evaluations, and groundwatersurface water flux interactions for the cumulative effects analysis (Task 6).

Black & Veatch coordinated closely with SARA to ensure documents were available to planning group members for their review and consideration.

- LOCAL TEAM & NATIONAL EXPERTISE -

Black & Veatch, along with its subconsultant partners have local professionals working from offices in Texas, along with professionals from around the country that can be called upon to supplement our staff as needed.



Project Schedule



E Project Schedule

A Project approach and schedule tailored to Region L's unique goals.

Our understanding of the project and our intended schedule and approach are summarized in the following section.

PROJECT UNDERSTANDING

The Regional Water Planning Process was established by the Texas Legislature in 1997 to ensure Texans have adequate water for the next 50 years. **The spirit and intent of the Regional Water Planning Process is a bottom-up, collaborative approach with public participation as an integral component.** While the process has become more standardized since first established 24 years ago, the TWDB empowers each Regional Water Planning Group (RWPG) **to create a plan that reflects the values, interests, and unique facets of the region.**

The South Central Texas Regional Water Planning Group (SCTRWPG) is charged with developing the South Central Texas (Region L) Regional Water Plan with administrative management by the San Antonio River Authority (SARA). To ensure that the plan reflects the region's interests and follows the desired collaborative, bottom-up approach, the SCTRWPG and SARA are responsible for:

 Developing a plan that meets all required rules, statutes, contractual obligations, and deadlines; As technical consultants for the previous planning cycle, the Black & Veatch Team understands the SCTRWPG's unique goals and dynamics, enabling us to plan the tasks and timelines necessary for the next 2026 Region L Plan.

- Encouraging stakeholder and public participation at every step;
- Performing roles and responsibilities outlined in the SCTRWPG Guiding Principles and Bylaws;
- Using a consensus-driven decisionmaking process to identify, explore, and reconcile all members' interests; and
- Harmonizing the needs of people and protecting agricultural and natural resources.

The Black & Veatch Team, led by Project Manager Lauren Gonzalez and supported by Technical Lead Jaime Burke and professionals from SWCA, INTERA, Hoffpauir Consulting, and Laura Raun Public Relations (LRPR), has extensive experience leading, managing, and conducting regional water planning efforts in Region L, Texas, and throughout the country.

Black & Veatch's Project Manager, Lauren Gonzalez, has a proven track record of supporting the SCTRWPG to provide technical expertise and innovative

solutions. Lauren has 12 years of Regional Water Planning experience, having served on

technical consultant teams for five of the 16 Regional Water Planning Groups. Lauren is supported by Technical Lead, **Jaime Burke** who served as Project Manager and lead consultant for the 2016 and 2021 Lower Colorado (Region K) Regional Water Plans and for the 2016 and 2021 Lavaca (Region P) Regional Water Plans. **Jaime will** draw on her 17 years of Regional Water Planning experience to lend her water resources planning expertise and technical knowledge to the SCTRWPG.

In 2019, Lauren took on the Project Manager role for the 2021 Region L Technical Consultant Team, leading stakeholder outreach, preparation of plan chapters, management of budget and schedule, completion of the Initially Prepared Plan (IPP), responses to comments from the public and state agencies, and submittal of the Final 2021 South Central Texas (Region L) Regional Water Plan. Our exemplary team of professionals gathered their collective knowledge, experience, and communication skills to develop the IPP and to ensure that the Final 2021 Region L Regional Water Plan met all requirements. Because of our team's successful collaboration on the previous **Region L Water Plan, we have partnered** together again and bolstered our resources to support Region L for the 2026 Region L **Regional Water Plan.**

Our Region L and other Texas water planning familiarity will allow the team to thoroughly and efficiently deliver the plan, while also bringing a fresh perspective to work done in previous cycles. We will leverage the knowledge and lessons learned from the previous cycle to hit the ground running, avoiding any steep learning curves that could cause delays.

Fair Representation for All Planning Group Members and Stakeholders

Region L requires and deserves a consultant team that can fairly and uniformly represent stakeholder needs and positions. Black & Veatch's Project Manager, Lauren Gonzalez, and her team are committed to remaining neutral, and will deliver a 'bottom up' plan representative of the planning group members, not Black & Veatch's opinion. We have demonstrated this ability over the past Region L Planning cycle with neutral facilitation of meetings and objective technical guidance.

We understand the critical importance of transparency, which is why we have enclosed a list of our Team's current water-related projects for clients within Region L (provided at the end of this section). With a broad client base throughout the region, we will objectively support the SCTRWPG's Guiding Principle of ensuring adequate representation of stakeholder interests. If selected, we will provide an updated project list to the SCTRWPG quarterly to demonstrate our commitment to transparency. With our team, you can trust that we will fairly represent SCTRWPG members and stakeholders.

Adapting to Regulatory Changes

Legislative and regulatory changes mid-cycle can obligate RWPGs to quickly adapt and modify plans already in-progress to address new requirements. In the sixth round of planning, regulatory changes could occur in 2021, 2023, and 2025, during which time the Texas Legislature meets and the TWDB considers Regional Water Planning Rules Updates. The SCTRWPG needs a team who has the regulatory expertise to interpret and appropriately respond to regulatory changes so that the plan complies with TWDB rules and requirements.

Our Project Manager, Lauren Gonzalez, specializes in regulatory issues and has extensive experience assisting large municipalities and river authorities with regulatory support, interpretation and compliance. Most recently, Lauren applied her regulatory expertise for the SCTRWPG to evaluate House Bill 807 and other new laws to ensure they were comprehensively addressed in the 2021 Region L Plan. For the next planning cycle, the Black & Veatch team will continue to monitor legislative and regulatory changes so that we can work collaboratively with stakeholders to incorporate any new requirements into the Regional Water Plan.

PROJECT APPROACH & SCHEDULE

To streamline the planning process, the SCTRWPG has historically established workgroups, supported by the technical consultant team and SARA, to accomplish detailed task work. The workgroups provide status updates to the SCTRWPG and make recommendations for consideration by the full SCTRWPG. The Black & Veatch Team approach includes establishing various workgroups throughout the planning cycle to focus on unique issues or critical planning components. The new requirement to post notice seven days before meetings will necessitate advanced coordination and planning among the SCTRWPG, SARA, and technical consultant.

The Black & Veatch Team has prepared a conceptual schedule for completing the Region L Regional Water Plan, drawing upon our first-hand experience working with the SCTRWPG, knowledge of trends and issues of regional importance, and information from the TWDB and other sources. The schedule provided on the subsequent page includes project tasks, milestones, and proposed workgroup meetings.

Upon selection by the SCTRWPG, we will begin to develop the 2026 Region L Regional Water Plan in the following manner.¹

Pre-Planning & Coordination

Timeframe: Jul. 2021 to Jun. 2022 Deadlines: Prior to initiating technical work Initiatives:

 2026 Plan Enhancement Process (Proposed)

Workgroups:

Environmental Assessment Workgroup

TWDB Rules (31 Texas Administrative Code [TAC] §357.12) require RWPGs to hold a public meeting prior to initiating any technical work to receive recommendations from the public as to issues that should be addressed or provisions that should be included in the next regional water plan. This public meeting would likely occur in the second half of 2021, before the TWDB releases Historical Data and Information (See Task 2 for more information).

2026 Plan Enhancement

Between 2015 and 2017, the SCTRWPG engaged the full SCTRWPG to undertake the 2021 Plan Enhancement Process to review comments received on the 2016 Region L Plan and best practices. The process ultimately resulted in development of the Guiding Principles, which have been

¹ Note: At the time of this submittal, only Tasks 1, 2A, 2B, 8, and 10 (partial) are funded by the TWDB. The remaining tasks are contingent upon funding from the Texas Legislature. a cornerstone for the SCTRWPG through establishment of policies, standards, responsibilities, and processes to guide decision-making and plan development.

The Black & Veatch team proposes to re-establish the groundbreaking Plan Enhancement Process for the 6th cycle of planning. The 2026 Plan Enhancement Process could consider input gathered during the pre-planning public meeting, comments on the 2021 Region L IPP, recommendations by the Interregional Planning Council (Council), and the need for additional Workgroups, such as innovative strategies. Performing a 2026 Plan Enhancement Process would enable the SCTRWPG to update the Guiding Principles and ensure that the 6th cycle is the most collaborative and streamlined to date.

Environmental Assessments

Region L Plans are recognized for detailed consideration of environmental impacts. For the previous cycle, Black & Veatch and SWCA worked closely with the SCTRWPG and Environmental Workgroup to develop an environmental analysis strategy that built upon previous plans while also endeavoring to provide valuable and streamlined information for stakeholders. As a result of Environmental Workgroup recommendations, the environmental analysis for the 2021 Region L Plan included refined water management strategy (WMS) evaluations with more detailed cultural resources impacts, use of Texas Parks and Wildlife Department (TPWD) **Ecological Mapping Systems of Texas GIS** data, and clear summaries of impacts. It also included a new method for quantifying impacts of the plan on instream flows and freshwater inflows, a discussion of climate variability and summary of environmental

Climate variability could be a growing consideration in future Region L Water Plans. Should the SCTRWPG choose to consider potential impacts of climate variability on water supplies, demands, WMS projects, and/ or natural resources, the Black & Veatch Team has the expertise and experience to conduct sciencebased analyses of climate-related impacts. For example, **Dr. Hoffpauir** modeled historical and climate change (non-stationary hydrology) to evaluate water supply yield for drought worse than a drought of record scenarios for the City of Austin Water Forward Plan.

benefits and concerns. We would propose carrying forward these improvements for the 2026 Plan while continuing to identify ways to present results in an accessible and useful format.

Frequent agency updates of protected species lists have presented an on-going challenge for performing species impacts analyses of individual WMS. For the 2026 plan, we propose working with the SCTRWPG and Environmental Workgroup, as appropriate, to identify ways of consolidating protected species data and referencing it throughout the plan.

Task 1: Description of the Regional Water Planning Area

Timeframe: Oct. 2023 to Sept. 2024

The description of the region will capture the unique aspects of the 21 whole or partial counties that constitute Region L, and will include information regarding the land use characteristics, groundwater and surface water resources, major springs and other

		20)21			20)22			20	23			20	24			202	5	
REGION L PLAN DEVELOPMENT	QTR	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1 2	2 3	4
Regional Water Planning Rules Updates																				
Texas Legislative Sessions																				
TWDB Releases Data / Information					1			P												
Pre-planning & Coordination Meeting					•	•														
TASK 1 Planning Area Description																				
TASK 2 Population & Water Demands Projections						•	•	•	•	•	•	•								
TASK 3 Water Availability & Supply Analysis								-												
TASK 4 Identification of Water Needs																				
Technical Memorandum Due (March 4, 2024)																				
TASK 5 Water Management Strategy (WMSs) Evaluation															
TASK 6 Impacts of Plan & Cumulative Effects																				
TASK 7 Drought Response Information & Recommendatio	ns																			
TASK 8 Unique Segments & Policy Recommendations													*	*	*	*	*	*		
Initially Prepared Plan Due (March 3, 2025)																		1		
TASK 9 Infrastructure Financing Analysis																				
TASK 10 Public Participation and Plan Adoption																				
TASK 11 Implementation & Comparison to Previous Plan																				
TASK 12 Prioritization of WMSs																				
Final Plan Due (October 20, 2025)																				1

LEGEND

■ TWDB Conceptual Schedule ■ B&V Planned Schedule ■ TWDB Milestone ◆ Pre-Planning/Plan Enhancement Workgroup Meeting ● Population and Water Demands Workgroup Committee Meeting ■ Effluent, Modeling, and Reuse Workgroup Meeting WMSs Workgroup Meeting ★ Policy Recommendations Workgroup Meeting ▲ Staff Workgroup Meeting

Note: Deliverables include Technical Memorandum, Initially Prepared Plan, Final Plan, Project Prioritization, hydrologic variance requests (if applicable), monthly invoices and quarterly progress reports

natural features, major demand centers, agricultural and natural resources and their threats, social and economic aspects of the area with information on current population and primary economic activities, drought preparations, water quality issues, water loss audit summaries, and a summary of recommendations in state water plan and any local water plans for the region.

Much of the information for this task is included in Chapter 1 and needs to be updated each cycle. For the information to be as up to date as possible, it is helpful to wait until later in the planning cycle to complete work on this task.

Task 2 (A & B): Population & Water Demands Projections

Timeframe: Dec. 2021 to Sept . 2023

Workgroups:

 Population and Water Demands Workgroup (*Proposed*)

The Black & Veatch Team understands that population and demand projections are one of the most relatable aspects of the plan to the stakeholders and the public, and one that receives significant input. It is important that we work with stakeholders and TWDB to develop projections that are as accurate as possible, as these projections impact the rest of the plan.

For each of the categories The Black & Veatch Team will assist the SCTRWPG in review of TWDB draft population and water demands projections, provide outreach to stakeholders to encourage review and input on draft projections, support the SCTRWPG to provide comments and suggested revisions, and present the final TWDB-approved projections in the Regional Water Plan.

Historical Data & Information

The effort for Task 2 will begin once the TWDB develops and releases historical data and information. The TWDB expects to release the municipal WUGs list, per capita water use data, and historical population and water use data in Dec. 2021.

The Black & Veatch Team will support the SCTRWPG with reviewing the data and providing feedback to the TWDB.

Non-municipal Water Demands

The TWDB will release water demand projections for Livestock, Manufacturing, and Steam-electric Power Generation (expected in Jan. 2022) and for Irrigation and Mining (expected in Aug. 2022) for consideration by RWPGs. **The Mining water demands will incorporate findings from the TWDB's 2022 Mining Water Use Study that is currently being conducted by the University of Texas Bureau of Economic Geology (UTBEG).**

Our Team will assist the SCTRWPG with reviewing data and requesting revisions, if necessary.

The San Antonio Metro Area/Bexar County has the largest population in the region, expecting to reach more than 3 million people by 2070.



Population and Municipal Water Demands

The sixth cycle of planning will use 2020 Census data to develop TWDB draft projections for population and municipal water demands (uses associated with municipal use, including commercial use, lawn watering, and recreational uses such as golf course irrigation). Like the previous planning cycle, the projections will be based on water utility boundaries instead of city geographic boundaries. Because population and water demands are being revamped for the next cycle, the Black & Veatch Team proposes establishing a workgroup dedicated to reviewing the finer details of the data and to drafting proposed revision requests to TWDB.

The Interstate Highway 35 (IH35) corridor has long been a known area of historical and projected population growth in Region L, with Bexar County being the most populous in the region. However, social and economic trends in neighboring Region K will likely trigger extraordinary growth in the northern portion of Region L. The Black & Veatch Team recommends that the SCTRWPG closely review projections for Hays and Caldwell Counties (See "Planning for Giga-Growth" inset for more information). This detailed review could be a focus of the Proposed Population and Water Demands Workgroup, or it could spur the SCTRWPG to create a new workgroup.

Once the TWDB approves revisions to draft projections, they will split them by river basin. The Black & Veatch Team will review the basin splits data and provide input back to the TWDB on any necessary revisions. Projections will be finalized before the The Black & Veatch Team will develop an outreach initiative targeting WUGs in growing counties with the goals of enhancing coordination and collaboration for population and demand projections, water management strategy development, and regionalization opportunities.

TOP 5 FASTEST GROWING COUNTIES IN REGION L

- 1. Hays (45%)
- 2. Comal (43%)
- 3. Kendall (41%)
- 4. Guadalupe (26%)
- 5. Wilson (19%)

Source: Census.gov; population growth between 2010 and 2019

Technical Memorandum (TM) is due in early 2024. Chapter 2 of the Plan will be updated after the projections are finalized.

All work will be conducted in accordance with the TWDB rules and guidelines and at the direction of the SCTRWPG. Where appropriate, the Black & Veatch Team will populate the TWDB's 2027 State Water Planning Database (DB27) and coordinate with the TWDB to include reports in the Regional Water Plan. The Black & Veatch team has close working relationships with TWDB staff responsible for building and maintain DB27. Multiple members of the Black & Veatch Team, including Jaime Burke, Katie Snyder, and Junior Lagade, are skilled power-users of the TWDB database, which will enable accurate and efficient transfer of data to the TWDB.



PLANNING FOR GIGA-GROWTH

The northern portion of the region represents one of the unique and critical challenges for the 2026 Region L Regional Water Plan. Driven by pandemic-related changes in home buying habits and an influx of workers from Silicon Valley investments, a surge in population growth is predicted for Hays and Caldwell Counties in the next decade.

The pandemic has shifted workforces to adopt new work-from-home approaches, leading many city dwellers to seek homes in the suburbs and unincorporated areas. Given their proximity to the City of Austin, Hays and Caldwell Counties have experienced surging demand for housing, spurring new home construction. This suburban expansion is amplified by expanding workforces at companies like Google, Apple, and Tesla that are building large campuses in Central Texas. Tesla, for example, is currently constructing its Gigafactory in eastern Travis County off State Highway 130 (SH130). With as many as 10,000 Gigafactory employees by 2022, new home construction and associated developments can be expected to surge along the SH130 and State Highway 45 (SH45) corridors.

Task 3: Water Availability & Supply Analysis

Timeframe: Jun. 2022 to Sept. 2023

Workgroups:

 Effluent, Modeling, and Reuse Workgroup (Proposed) Evaluating the volume of existing water supplies that are legally and physically available to Water User Groups (WUGs) and Major Water Providers (MWPs) will be a key step in the development of the 2026 Region L Water Plan. The evaluation will consider existing surface water and groundwater permits/water rights, contractual obligations, and other agreements.

Communication with WUGs and MWPs is key for this task. Water sale relationships can be complicated, and the Black & Veatch Team has experience with understanding these relationships from previous planning cycles. In addition, the TWDB requires water availabilities to be estimated during a repeat of the drought of record, which can be lower than a water right or permit holder may think is realistic.

The Black & Veatch Team has experience with guiding WUG representatives through the process to ensure mutual understanding and develop adequate WMSs to satisfy needs.

It is anticipated that much of the water availability and water supply analyses will take place in 2022 and 2023, prior to the TM due date. Adjustments to the availability and supplies and Chapter 3 update may occur after the TM is submitted.

Surface Water

Surface water availabilities are determined using the TCEQ WAM and WRAP modeling systems. Modeling for Region L has historically been a complex task, balancing TWDB requirements with the nuances of permits, water rights, contractual obligations, environmental flows, and reservoir operations. The SCTRWPG needs a technical consultant team with highly skilled modelers that not only understand WAM intricacies but convey information to stakeholders clearly and simply. For this complex endeavor, Black & Veatch Team has partnered with **Dr.** Richard Hoffpauir (Hoffpauir Consulting), who co-authored development of the current WRAP Modeling System.

Dr. Richard Hoffpauir is knowledgeable of the regional planning process and routinely performs computations of reservoir and water right firm yields for planning purposes. In the most recent 2021 Region K Plan, Dr. Hoffpauir performed yield analyses for the City of Austin's existing water rights and proposed water management strategies.

Black & Veatch proposes to re-establish the SCTRWPG Effluent, Modeling, and Reuse Workgroup to define assumptions and guidance regarding hydrologic analyses, such as the role of climate change and any needed modeling assumptions for both the water availability and WMS evaluations.

Groundwater

Groundwater availability in Region L will be determined based on Modeled Available Groundwater (MAG) values predicated on Desired Future Conditions submitted by Groundwater Management Areas (GMAs). If a MAG is not identified for an aquifer location, best available data based on coordination with the Groundwater Conservation Districts and GMAs will be used and presented to the SCTRWPG for consideration. For the Edwards Aquifer, availability will be based on the reliability of Edwards Aquifer permits and resulting springflows consistent with the Edwards Aquifer Habitat Conservation Plan.

Task 4: Identification of Water Needs

Timeframe: Oct. 2022 to Jun. 2024

A demand and supply analysis will be performed to identify projected water needs

Hays County is shared between Region L and Region K. The Black & Veatch Team has experience working in both regions and will provide unparalleled expertise to address the needs of Hays County in a more holistic way than previous planning cycles.

for the region's WUGs/MWPs over the 50-year planning horizon. In addition, this task includes documentation of second-tier water needs, which are the remaining needs after demand reduction and reuse water management strategies are applied. The Black & Veatch Team will document these analyses in Chapter 4 of the 2026 Plan.

This task will be performed once demands and water supplies have been sufficiently determined. Adjustments may be needed throughout the second half of the planning cycle.

Task 5: Identification, Evaluation, & Recommendation of Water Management Strategies

Timeframe: Mar. 2023 to Feb. 2025

Workgroups:

 Water Management Strategies Workgroup (Proposed)

The Black & Veatch Team will work with the Region L Staff Workgroup and SCTRWPG to develop a process for identifying potentially feasible water management strategies (WMS), which may also include a deadline for sponsors to include projects in the plan. This process will be presented to the SCTRWPG and the public for comment, before ultimate approval by the SCTRWPG.

Identification, evaluation, and recommendation of WMSs will be

documented in Chapter 5 of the 2026 Plan. Chapter 5 also includes a specific subsection dedicated to water conservation recommendations and providing model water conservation plans for the region. A scope of work and budget allocation must be developed for each WMS planned to be evaluated. Task work is anticipated to occur in the second half of the planning cycle, prior to the due date of the Initially Prepared Plan, with adjustments to the strategies occurring as needed up until the 2026 Plan is adopted.

Stakeholder outreach is an essential component of the WMS identification process. The Black & Veatch Team will coordinate with WUGs and MWPs to gather WMSs and project information that they would like to include in the Plan. In addition, opportunities for regional and interregional coordination will be considered in order to build economies of scale. One particular focus for the next cycle could be to address the unmet needs for Irrigation in Region L through a proposed Water Management Strategies Workgroup (See "Planting the Seeds for Regional Collaboration" inset for more information).

For the 2021 Region L Plan, Black & Veatch collaborated with our subconsultants and project sponsor to evaluate potentially feasible WMSs in accordance with TWDB requirements, including net quantity of water during drought of record conditions, reliability, financial costs, environmental considerations, cultural resources impacts, and agricultural impacts. While the minimum evaluation requirements are established by the TWDB, the SCTRWPG can establish their own review process, schedule, and supplemental evaluations, such as additional Environmental Evaluations (See "Pre-Planning and Coordination" earlier in this Section).

PLANTING THE SEEDS FOR REGIONAL COLLABORATION

For the last several planning cycles, the Region L Plan has had water shortages (unmet needs) for irrigation. Unmet needs occur when water demands are greater than supplies (including existing and planned water supply projects), based on a historic worst-case, drought of record scenario.

In the 2021 Plan, there were more than 173,000 acft/yr of unmet needs for 15 of the 21 counties in 2020. The Black & Veatch Team proposes for the SCTRWPG to consider how to address unmet needs in the 2026 Plan. There are several potential options to consider:

• Outreach and Participation Initiative. The SCTRWPG might wish to develop an outreach initiative with the goals of enhancing coordination and collaboration among WUGs. The plan mentions that there are potential projects that may be developed in the

Once evaluated, a written summary of each WMS will be prepared and sent to the project sponsor for review and approval before being provided to the full SCTRWPG. The SCTRWPG may then designate each WMS as recommended or alternative.

Task 6: Impacts of Plan, Cumulative Effects, & Consistency with Protection of Region's Resources

Timeframe: Jul. 2024 to Feb. 2025

A cumulative effects analysis will be performed in order to determine the expected potential impact of fully implementing the 2026 Regional Water future to satisfy water needs in the Nueces River Basin. The proposed WMS workgroup or a dedicated regional alliance could encourage input on water use and provide an opportunity for regionalized WMSs.

- Drought Management. Irrigators adapt operations in response to drought. The Black & Veatch Team could coordinate with WUGs, irrigators, and stakeholders to develop a new Irrigation Drought Management WMS that incorporates these demand management practices.
- Conservation. With advances in technology, many farmers are incorporating enhanced conservation techniques. The Black & Veatch Team, led by Andrew Chastain-Howley, could perform a survey of irrigators in Region L to develop a new Enhanced Irrigation Water Conservation WMS.

Plan on the region's resources. This analysis will provide information on groundwater levels, springflow discharges, streamflows, freshwater inflow, other water resources, social and economic impacts of moving water from rural and agricultural areas, water quality, and impacts and threats to agricultural and natural resources.

Andrew Chastain-Howley is a national leader in water conservation. He will assist with identifying and evaluating water conservation strategies for municipal, irrigation, and other water use categories that the SCTRWPG would like to consider. The Black & Veatch Team understands the challenges that the SCTRWPG faces in developing a dependable water supply plan, while balancing the desire to protect the region's agricultural and natural resources.

With the legislature's designation of unique stream segments in Region L, the SCTRWPG must quantitatively analyze impacts of the plan on the flows and unique features of designated segments. The SCTRWPG calls this the "Cumulative Effects" analysis, which was performed by the Black & Veatch Team in the previous cycle.

For the 2026 Plan, Black & Veatch Team will work collaboratively to perform the Cumulative Effects analysis. INTERA will provide groundwater-surface water flux estimates, which will be modeled using WAM by Richard Hoffpauir to compare impacts to stream flow both with and without implementation of recommended WMSs. SWCA will use the stream flow impacts information to consider environmental impacts of full implementation of the Region L Regional Water Plan in 2070.

This task work will be included in Chapter 6 generally performed near the end of the planning cycle, once WMS have been recommended by the SCTRWPG.

Task 7: Drought Response Information, Activities, & Recommendations

Timeframe: Oct. 2023 to Feb. 2025

The Black & Veatch Team will collect Drought Contingency Plans for the WUGs/ MWPs in the region to efficiently summarize their drought responses and activities and present them under this task. The drought management water management strategies that are recommended in Chapter 5 of the 2026 Plan will be summarized for this task in Chapter 7 as well. In addition, drought response recommendations for the region will be developed and model Drought Contingency Plans for various types of water users/suppliers will be included.

It is expected that effort to complete this task will occur in the second half of the planning cycle.

Task 8: Unique Stream Segments/Reservoirs & Policy Recommendations

Timeframe: Oct. 2023 to Feb. 2025

Workgroups:

Policy Recommendations Workgroup The SCTRWPG has been at the forefront of developing administrative and legislative policy recommendations. As such, the Policy Recommendations Workgroup will likely begin meeting in the second half of the planning cycle, around 2023 or 2024.

The SCTRWPG has the distinction of being the first Regional Water Planning Group to recommend unique stream segments for designation by the Texas Legislature. In 2015, the legislature designated 5 stream segments as being of unique ecological value. Should the SCTRWPG choose to consider additional stream segments for designation, the Black & Veatch Team has the experience and knowledge to support discussions and develop the SCTRWPG's recommendations.

Under this task, the Black & Veatch Team will work with the SCTRWPG, through coordinated efforts with the Policy Recommendations Workgroup, to develop and revise the policy recommendation of the SCTRWPG including, but not limited to, recommendations to the Texas Legislature and state agencies. All effort under this task will be summarized in Chapter 8 of the 2026 Plan.

The policy and legislative recommendations portion of the task usually occurs in the second half of the planning cycle.

Task 9: Infrastructure Financing Analysis

Timeframe: Apr. 2025 to Sept. 2025

The Infrastructure Finance Survey will be sent out to WUGs/MWPs with WMSs that have a capital cost element, in order to provide information to TWDB for their funds planning. This task will summarize that process and the results of the survey in Chapter 9 of the 2026 Plan.

Most of the effort for this task will occur after the IPP is submitted and TWDB provides the SCTRWPG with the surveys to send out.

Task 10: Public Participation and Plan Adoption

Timeframe: Jul. 2021 to Oct. 2025

Workgroups:

Staff Workgroup

Public Involvement is a foundational component of the regional water planning process. This task is integral to every step of the planning cycle, beginning with the preplanning public input meeting and ending with adoption of the 2026 Plan.

During the previous planning cycle, the SCTRWPG compiled a list of public input comments from the 2016 Initially Prepared Plan and the pre-planning public input meeting, sorted them by task, and identified whether the comment was within the SCTRWPG's responsibility to consider. This list was revisited throughout the planning process to ensure those particular comments were properly considered in the development of the 2021 Plan. The Black & Veatch Team proposes to prepare a similar list for the 2026 planning cycle.

Throughout the planning process, the SCTRWPG will hold Region L meetings and Workgroup meetings that are open to the public. The Black & Veatch Team will assist with these meetings, , complying with new TWDB meeting requirements to post notice and meeting materials seven days and three days prior to meetings, respectively. In addition, the Black & Veatch Team will prepare meeting minutes from the Committee meetings as needed.

The Black & Veatch Team includes LRPR, who have extensive experience with outreach and meeting facilitation. We will work with the SCTRWPG to encourage the public and water supply entities in the region to engage in the planning process via outreach initiatives and the use of surveys. Additionally, the Black & Veatch Team will document the planning process and detail the public involvement in development in Chapter 10 of the 2026 Plan, including public meetings, comments on the IPP, and public hearings.

Task 11: Implementation and Comparison to the Previous Regional Water Plan

Timeframe: Oct. 2023 to Mar. 2025

The Black & Veatch Team proposes to use a survey to obtain responses from WUGs/ MWPs regarding the implementation status of their WMSs recommended in the 2021 Plan. The responses to the surveys will be used to populate a spreadsheet that the TWDB provides. This spreadsheet will be

COLLABORATION LEADS TO **PROJECT SUCCESS**



Public involvement is a key component of the Regional Water Planning Process, ensuring the region's water needs are met for the next 50 years. The Black & Veatch Team is committed to continuing public outreach efforts and enhancing collaboration among Water User Groups and the SCTRWPG.

summarized and included in Chapter 11 of the 2026 Plan.

The 2026 Plan will be compared to the adopted 2021 Plan in terms of key metrics (water demands, water availability, existing supplies, projected needs, and recommended and alternative water management strategies). HB 807 will require more extensive discussion in the 2026 Plan to assess the region's progress toward encouraging regional collaborations that build economies of scale.

The effort for this task is expected to occur later in the planning cycle, although the survey may go out to the WUGs/MWPs sooner, depending on when the TWDB releases it to the planning groups.

Task 12: Prioritization of Water Management Strategies in the 2026 Regional Water Plan

Timeframe: Apr. 2025 to Sept. 2025

While not included in the regional water plan itself, TWDB requirements will necessitate the prioritization of water management strategies in the 2026 Plan as a separately approved deliverable. The Black & Veatch Team has experience with the prioritization process in multiple regions, including Region L. This prioritization will be based on the guidance provided by the HB4 Stakeholder Committee and interpretations of the SCTRWPG.

The effort for this task will occur after the IPP is submitted.

Current Water-Related Projects in Region L

Black & Veatch

- City of Buda | Garlic Creek I&I Study; 2021
- City of Kyle | WWTP Expansion; 2022
- Confidential Private Client | Water Resources Feasibility Evaluation; 2021
- Edwards Aquifer Authority | Water Rights Amendments; 2021
- GBRA | Lake McQueeney Spillgate Replacement & Dam Armoring; 2024
- GBRA | Lake Placid Spillgate Replacement & Dam Armoring; 2024
- GBRA | Lake Dunlap Spillgate Replacement & Dam Armoring; 2023
- GBRA | Flood Inundation Mapping; 2021
- Ovivo | Conditional Pilot Testing; 2021
- SAWS | Artesia Pump Station Improvements; 2023
- SAWS | University Additional Ground Storage Tank; 2023
- SAWS | W-06 Construction Management; 2023
- SAWS | Independent Emergency Performance Assessment; 2021
- SAWS | Vista Ridge (Central Water Integration Pipeline); 2021

INTERA

- Barton Springs Edwards Aquifer Conservation District | Technical Support and Database Management; 2022
- City of Port Lavaca | Evaluation of Source Water Supplies; 2022
- City of Victoria | Aquifer Storage and Recovery Pilot Project; Ongoing
- Evergreen Underground Conservation District | Technical Support; Ongoing
- New Braunfels Utilities | Aquifer Storage and Recovery Pilot Project; Ongoing

- Texas Commission on Environmental Quality | Assessment, Investigation, & Remediation Services (AIRS); Ongoing
- Victoria County Groundwater Conservation District | Technical Support; Ongoing

LRPR

- AECOM | General Land Office Combined River-Basin Flood Studies; 2023
- HDR | Nueces Regional Flood Planning Group (Region 13); 2023
- Stantec | TWDB Base-Level Engineering Modeling and Mapping Services (Nueces Basin); 2024

SWCA

- CAS | W-06 Construction Management; 2022
- Edwards Aquifer Authority | Water Quality Sampling; 2021
- GBRA | Lake McQueeney Spillgate Replacement & Dam Armoring; 2022
- GBRA | Lake Placid Spillgate Replacement & Dam Armoring; 2022
- New Braunfels Utilities | North Kuehler Interceptor; 2021
- San Antonio River Authority | Stormwater Sampling Assistance and Invasive Species Removal; 2021
- SAWS | University Additional Ground Storage Tank; 2023
- SAWS | Anderson Pump Station Karst Preserve Monitoring; 2022
- Utility Engineering Group PLLC | Green Valley Gravity Main Phase II; 2021
- Utility Engineering Group PLLC | GVSUD Office Site Property; 2021

F Special Documents



F Special Documents

1. ENGINEERING FIRM REGISTRATION NUMBER



2. PROFESSIONAL ENGINEER LICENSES

PE	Texas l Engine	Board of Professio ers and Land Sur	onal veyors				
				and the			
LLET, JOSEPH	ROGUET	PE# 82295					
Status	Branch(s)	Granted	Expires	Employer(s)	Address/Phone		
Active	Civil	03-05-1997	12-31-2021	BLACK & VEATCH CORPORATION	14100 SAN PEDRO AVE SUITE 570 PACIFIC PLAZA BLDG SAN ANTONIO TX 78232 PH#: 210-404-1330		
URKE, JAIME J	AHNS	PE# 92863					
status	Branch(s)	Granted	Expires	Employer(s)	Address/Phone		
ctive	Civil	12-10-2003	09-30-2021	BLACK & VEATCH CORPORATION	1207 Magnolia Court Cedar Park TX 78613 PH#: 512-271-4472		
IOFFPAUIR, RIC	HARD JAMES	PE# 112950					
tatus	Branch(s)	Granted	Expires	Employer(s)	Address/Phone		
ctive	Civil	12-12-2012	09-30-2021	Hoffpauir Consulting, PLLC	300 Borderbrook Drive Bryan TX 77801 PH#: 979-575-0804		
RICHART, MAT	THEW EDWARD	PE# 139250					
itatus	Branch(s)	Granted	Expires	Employer(s)	Address/Phone		
Active	Civil	10-19-2020	09-30-2021		150 Montesito Lane Floresville TX 78114 PH#: 913-458-3544		
ORTILLO, LUIS	JAMES	PE# 119994					
tatus	Branch(s)	Granted	Expires	Employer(s)	Address/Phone		
ctive	Civil	05-22-2015	03-31-2022	Black & Veatch	1759 Heavens Peak San Antonio TX 78258 PH#: 210-504-2409		
AMANT, KUMAI	R SHARAD	PE# 122247					
Status	Branch(s)	Granted	Expires	Employer(s)	Address/Phone		
Active	Civil	12-11-2015	09-30-2021	Black & Veatch	14500 Blanco Road #1624 San Antonio TX 78216 PH#: 210-504-2408		

3. QUARTERLY SAMPLE PROGRESS REPORT

BLACK & VEATCH PROJECT PROGRESS REPORT

То:	<client contact="" name,="" title=""></client>							
From:	Lauren Gonzalez, Project Manager							
CC:	File							
Client:	<client name=""></client>	BV Project No: <no.></no.>						
Project:	<project name=""></project>	BV File No: <no.></no.>						
Report Period:	<beginning date="" end="" to=""></beginning>							
Report No:	<no.></no.>							

SUMMARY OF MAJOR ACTIVITIES, BY TASK

This progress report summarizes major activities for the above-referenced reporting period in support of Black & Veatch Invoice Nos. <No.>, <No.>, and <No.>. A brief description of activities by task is provided below.

PROJECT MANAGEMENT & ADMINISTRATION

- General Project Management and Administration
- Met with Client for Project Update Meetings on January 27, February 24, and March 31; prepared meeting minutes and provided to Client for review and comment

TASK 1 - PROJECT KICK-OFF, DATA GATHERING

N/A – Task completed in previous reporting period

TASK 2 - POPULATION AND WATER DEMAND PROJECTIONS EVALUATION

N/A – Task completed in previous reporting period

TASK 3 - HIGH-LEVEL ALTERNATIVES EVALUATION

- Met with Client on November 20 to select seven alternatives for high-level evaluation
- Developed draft screening criteria and presented to Client for review and comment
- Performed high-level evaluation of alternatives and presented to Client for selection of four options

TASK 4 - DETAILED EVALUATION OF SELECTED ALTERNATIVES

- Initiated detailed evaluation of four selected alternatives, including detailed cost estimates for each alternative for inclusion in the draft report
- Contacted water purveyors to confirm water availability of selected alternatives
- Prepared draft report and presented results to Client for review and comment

NEXT PERIOD WORK ACTIVITIES

- Address and incorporate comments from Client to finalize report
- Present Final Report to Client's Board

TECHNICAL ENGINEERING CONSULTANT FOR REGION L CYCLE 6 REGIONAL WATER PLANNING

Administration by San Antonio River Authority July 23, 2021





RFQ #00219
OUR GOAL Develop a plan that reflects the lives of those served in Region L

Why we are your BEST PARTNER Experienced with Region L
 Committed to the Highest Standards
 Transparent Technical Expertise

✓ Capacity to Deliver





Black & Veatch





What are the unique issues your team foresees for Region L's 6th planning cycle? And how does your team propose to address those issues?



COLLABORATING FOR SUCCESS

CHALLENGES:

- Continue and enhance stakeholder engagement
- Tackle complex technical subjects

SOLUTIONS:

- 2026 Plan Enhancement
- Collaborative Workgroups

7

Address changes in Hays and Caldwell Counties from growth along SH-45 and SH-130 corridors



PLANNING FOR GIGA-GROWTH

CHALLENGES:

- Accurately reflect significant growth (population and water demands)
- Comprehensively identify WUGs, supplies, contractual relationships

SOLUTIONS:

- Outreach Task Force
- Proposed Population and Water Demands Workgroup
- Proactive, continuous interregional coordination



ADDRESS UNMET IRRIGATION NEEDS

CHALLENGES:

 15 counties with 137,000 acft/yr of irrigation unmet needs

SOLUTIONS:

- Outreach Task Force
- Proposed WMS Workgroup
 - Conservation Strategies
 - Drought Management Strategies

Black & Veatch

9





Andrew Chastain-Howley, PG

- National water conservation expert
- Vice-chair of AWWA Standards Council
- Co-authored TWDB and national manuals on water waste

ADDRESS UNMET IRRIGATION NEEDS

CHALLENGES:

 15 counties with 137,000 acft/yr of irrigation unmet needs

SOLUTIONS:

- Outreach Task Force
- Proposed WMS Workgroup
 - Conservation Strategies
 - Drought Management Strategies



Elaborate on past experience supporting committee-led projects and what strategies you used to reach out to all stakeholders.



Laura Raun Public Relations (LRPR) assisting with State Flood Assessment Workshop

EXTENSIVE EXPERIENCE WITH COMMITTEE-LED PROJECTS

Past:

- Regional Water Plans L, K, M, and P
- TWDB State Flood Assessment

Current:

• Regional Flood Plans 10, 11, and 13

Proven Strategies for Public Engagement







Talk through the key tasks (planning process and administrative) and how key team members will contribute to each task. Include in this discussion the QA/QC role as well.

leatc

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TASK 3 Water Availability & Supply Analysis																			
TASK 4 Identification of Water Needs																			
Technical Memorandum Due (March 4, 2024)																			
TASK 5 Water Management Strategy (WMS) Evaluations												-	*	💠 - ·	*	*			
TASK 6 Impacts of Plan & Cumulative Effects																			
TASK 7 Drought Response Information & Recommendations																			
TASK 8 Unique Segments & Policy Recommendations																			
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TASK 9 Infrastructure Financing Analysis																			
TASK 10 Public Participation and Plan Adoption																			
TASK 11 Implementation & Comparison to Previous Plan																			
TASK 12 Prioritization of WMSs																			
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Key Team Members % Available																		
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• Richard Hoffpauir, HC 20%																•		
Laura Raun, LRPR 50%																		
• Jaime Burke 50%			-															

↔ Water Management Strategies 🔸 Policy Recommendations 🛛 🔺 Staff Workgroup

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• Katie Snyder 50%														A					
• Laura Raun, LRPR 20%																			
 Lauren Gonzalez 50% 																			
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*Water Management Strategies 🔺 Policy Recommendations 💿 🔺 Staff Workgroup

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TASK 4 Identification of Water Needs																			
Technical Memorandum Due (March 4, 2024)																			
TASK 5 Water Management Strategy (WMS) Evaluations												*	-	.	-	.			
TASK 6 Impacts Effects																			

TASK 5

- Scope & Fee
- > WMS Evaluations
- **Key Team Members** | % Available
 - Jaime Burke | 50%
 - Katie Snyder | 60%
 - Matt Richart | 15%

- Christine Westerman, SWCA | 15%
- Richard Hoffpauir, HC | 30%
- Stephanie Moore, Intera | 15%
- Andrew Chastain-Howley | 20%
- Jo-Ann Jackson | 30%
- Lauren Gonzalez | 70%

* Water Management Strategies \star Policy Recommendations 🔰 🔺 Staff Workgroup

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SCHEDULE FOR			202	21			202	2		2	023			202	24			202	5
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Laura Raun, LRPR 40%			Eff	luen	t. M	ode	eline	, and	d Re	euse									
Matt Richart 15%		t		Wor				, and											Black &

Committed to the Highest Standards: Quality Assurance and Quality Control (QA/QC) Process

Plan Chapters



Multiple Levels of Review for Every Work Product

QUESTION

Please provide examples of work performed in Region L's territory including rural areas of the region.

Round Rock Austin Kerrvill 2408 ft Havs Kendall 181 Caldwell Comal Guadalupe Gonzales Bexar Anton Uvalde Medina Wilson De Witt Karnes Victoria Atascosa Zavala Frio Goliad Calho River Dimmit Refugio La Salle 10 249 ft Corpus Christi

Since 1997, our team has been engaged with more than 3,000 projects in the Region L Planning Area

Black 8



Uvalde County

1,958-acre Environmental Baseline Report and Phase I Environmental Site Assessment

L's territory including rural

South Central Texas Regional Water Planning Group 2021 Region L Regional Water Plan

Springs Hill Water Supply Corporation Water Resources Plan



Uvalde General Land Office Western Region Flood Study



Since 1997, our team has been engaged with more th 3,000 projects in the Region L Planning Area 2023 Region 13 Regional Flood Planning Group

Veatcl

QUESTIONS?

Why we are your **BEST TEAM**

Experienced with Region L
 Committed to the Highest Standards
 Transparent Technical Expertise
 Capacity to Deliver

Black & 24 Veatch 5. Presentation 2: 10:30 AM Presentation + Questions at 10:50 AM

A. COVER SHEET



Plummer Associates, Inc.

Contact: Rex Hunt, PE

Address: 6300 La Calma Suite 400 Austin, Texas 78752

Email: rhunt@plummer.com

Phone: 512.452.5905

Fax: 512.452.2325

Website: www.plummer.com

June 23, 2021

TECHNICAL ENGINEERING CONSULTANT FOR REGION L CYCLE 6 REGIONAL WATER PLANNING #00219





B. EXECUTIVE SUMMARY

The Plummer Team brings together professionals from four Texas-based water resources planning firms, the most experienced regional planning firms in the State: **Plummer Associates, Inc., Freese and Nichols, Inc., INTERA, Inc., and Blanton and Associates, Inc.** This team will provide the South Central Texas Regional Water Planning Group (Region L) the highly skilled technical support needed to continue to navigate the evolving landscape of water resources planning process and requirements.

Over the past 18 months, we have engaged with and listened to stakeholders throughout the region, concluding that the 6th cycle of planning for Region L represents a pivot point and an opportunity to take the process to its next level. We see factors critical to success for Region L in three areas: **resilience**, **collaboration**, and **process support**. To understand how the Plummer Team will help Region L meet these critical success factors, we offer our Statement of Work to be Accomplished, How We Propose to Accomplish Tasks, and Unique Issues and Solutions.

STATEMENT OF WORK TO BE ACCOMPLISHED

The Texas Water Development Board (TWDB) defines the scope of work (SOW) for each regional water planning cycle and for the 6th cycle of planning, has initially released work within five tasks: Task 1 - Planning Area Description; Task 2A - Non-Municipal Water Demand Projections; Task 2B - Population and Municipal Water Demand Projections; Task 8 - Recommendations Regarding Unique Stream Segments and/or Reservoir Sites and Legislative & Regional Policy Issues; and, Task 10 - Public Participation and Plan Adoption. Over the next couple of years, the initial scope will be amended to add tasks for water supply analysis, conservation and drought management, and water management strategy identification and analysis. Other tasks include socio-economic analysis and legislative recommendations.

The work to be done, as represented in these five initial tasks, is crucial to the overall execution of the project. As a result of an initiative led by regional water planning chairs, the Interregional Planning Council (IPC), the TWDB has created an early focus in the 6th cycle on communications - between adjacent regions and between entities within regions. This focus creates a need to establish an early framework for improved communications with stakeholders within Region L. The Plummer Team is extraordinarily well positioned to assist Region L with this important new focus in planning. Both individually and as a team, we have done this many times across the State.

The Plummer Team understands that this initial scope is just the beginning. While planning for how best to assist Region L to launch the 6th cycle, we are looking to future amendments of the scope. From our past experience we know what is coming, so an important part of the work to be accomplished in this initial scope is to prepare the region for the remainder of the tasks to be done.

HOW WE PROPOSE TO ACCOMPLISH THE WORK

Using this extensive expertise, we will accomplish tasks for Region L in much the same way we approach planning in other regions. Each region is unique, but there are commonalities between regions that we will use to Region L's benefit. The regions we serve generally operate within a structure of one or more technical subcommittees or work groups, not unlike Region L. It is a proven means of accomplishing goals, but it does require a level of experienced engagement by

the technical consultant with stakeholders throughout the region. The Plummer Team's expertise and depth will support Region L's efforts to build an effective 2021 regional plan.

The Plummer Team's approach to the Region L planning effort for the 6th cycle is simple. We will: 1) address the requirements of each task with a clear focus on regional **resilience**, **regional collaboration**, and **planning process support**; and, 2) utilize the Team's experience gained in other regions in the State. An important part of our approach will be to work with the Regional Water Planning Group and the San Antonio River Authority early on to develop a detailed schedule for the project.

As stated above, the five tasks released by the TWDB are just a portion of the overall project. Amendments of the initial scope of work will occur, likely in several phases, over the course of the next five years. The Plummer Team understands the total scope well, and the schedule associated with it. At the end of this SOQ is a preliminary schedule for the project reflecting the milestones, tasks, and deadlines we expect to be associated with the project.

UNIQUE ISSUES AND SOLUTIONS

The Plummer Team's professionals understand that every cycle of planning and every region has its own unique challenges and issues to be resolved. Given the complexities of a state the size of Texas and the evolving nature of regional water planning itself, this should be expected. These issues are precisely what we are most qualified to resolve. Region L does have its own unique issues; but many issues we might expect to encounter are seen in one form or another in other regions, too. We call these **Critical Success Factors**.

OUR VISION AND CRITICAL SUCCESS FACTORS FOR THE 2026 PLAN

Resilience: The 6th cycle plan must expand on its regional response to planning threats and pressures, such as increased drought, extreme emergency situations, and significant population growth. Focus is needed on a wide range of strategies, including conjunctive use, advanced water conservation, and integrated water management to address these challenges.



Collaboration: A focus on collaboration, a basic tenet of the water supply planning process, is essential in the 6th cycle of planning. Collaboration means finding ways for water suppliers to work together to the mutual benefit of all parties, helping to ensure a more resilient network of water systems. Robust communication between rural and urban communities in the region and between Region L and its neighboring regions is at the core of this effort.



Process Support: Effective regional water planning requires a process that ensures on-time achievement of planning cycle milestones established by the TWDB, the full compliance with State planning regulations, and resolution of the planning group's challenges and issues. An essential responsibility of the technical consultants is to support that process. It involves significant coordination between the technical consultants and Region L's administrative agency, the San Antonio River Authority.

Underpinning these critical success factors are the unique environmental considerations of Region L. The Plummer Team understands the importance of the region's environment and will utilize our experience and knowledge of environmental considerations as a featured component of the 6th cycle of planning for Region L.

STATEMENT OF QUALIFICATIONS

C. SOLICITATION PACKET ATTACHMENTS

ATTACHMENT A-BUSINESS QUESTIONNAIRE

Provide the following information regarding the prime firm, that if selected would sign a contract with the River Authority. Subconsultants do not have to complete this form.

(NOTE: Co-Responders are two or more entities proposing as a team or joint venture with each signing the contract, if awarded. Sub-contractors are not Co-Responders and should not be complete this form. If this submittal includes Co-Responders, each Co-Respondent should complete an Attachment A, questions 1-21 only)

1. Contract Information (for formal contracting purposes):

The following information will be used to write a contract, should your firm be selected for award.

- 1. Firm's Legal Name: Plummer Associates, Inc.
- 2. Principal Address: **1320 S. University Drive, Suite 300** Fort Worth, Texas 76107
- 3. Telephone No. **817.806.1700**
- 4. Fax No: **817.806.2536**
- 5. Agent Authorized to sign contract (Name): Rex Hunt, PE
- 6. Authorized Agent's Job Title Principal
- 7 Authorized Agent's email address: rhunt@plummer.com

2. Provide any other names under which responders have operated within the last 10 years and length of time for each **Alan Plummer Associates, Inc**.

1994-2019

3. Website address:

www.plummer.com

- 4. Organization Class (check):
 - □ Individual or Sole Proprietorship, if checked, list Assumed Name, if any:
 - □ Partnership
 - **X** Corporation, if checked check one:
 - 🗴 For-Profit
 - □ Nonprofit
 - □ Domestic
 - 🗆 Foreign

5. Federal Employer Identification Number: **75-1595621**

6. Texas Comptroller's Taxpayer Number, if applicable: **17515956211**

(NOTE: This 11-digit number is sometimes referred to as the Comptroller's TIN or TID.)

7. DUNS Number: **194263423**

8. Date Established: 1978

• Number of years in business under present name: **43**

9. Provide address of office from which this project would be managed:

- Principal Address: 6300 La Calma Drive, Suite 400 Austin, Texas 78752
- Telephone No. **512.452.5905**
- Fax No: **512.452.2325**
- Total Number of Employees: **175 company-wide / 43 in Austin office**
- Total Number of Current Clients/Customers: 500+ company-wide / 80 in Austin office

10. Contact Information: List the one person who the River Authority may contact contract concerning your submittal:

- Name **Rex Hunt, PE**
- Title **Principal**
- Address: 6300 La Calma Drive, Suite 400
 Austin, Texas 78752
- Telephone No: **512.452.5905**
- Fax No: **512.452.2325**
- Email address: rhunt@plummer.com

11. Does your firm anticipate any mergers, transfers or organization ownership or management reorganization within the next twelve (12) months?

- 🗴 No
- 🗆 Yes

12. Is firm authorized and/or licenses to do business in Texas?

🗆 No

Xes, If yes, list authorizations/licenses:

Texas Firm Registration F-13 State of Texas VID # 17515956211

13. Does the firm have an office located in Bexar County?

🗆 No

X Yes, If yes, respond to "a" and "b" below:

a. How long has the Respondent conducted business from it's Bexar County Office? **3 years**

b. State the number of full-time employees at the Bexar County office: 17

14. Has the firm or any of its principals been debarred or suspending from contracting with any public entity?

🗙 No

 $\hfill\square$ Yes, If yes, identify the public entity, contact name and phone number of representative familiar with the debarment or suspension, and state the reason for or the

circumstances surrounding the debarment or suspension, including but not limited to the period of time for such debarment or suspension:

15. Has the firm ever had a bond or surety canceled or forfeited?

🗙 No

□ Yes, If yes, state name of bonding company, date, amount of bond, and reason for cancellation or forfeiture:

16. Has the firm ever been declared bankrupt or filed for protection from creditors under state of federal proceedings:

🗙 No

□ Yes, If yes, state the date, court jurisdiction, cause number, amount of liabilities and amount of assets:

17. Has the firm ever received any disciplinary action, or any pending disciplinary action, from any regulatory bodies or professional organizations? If "Yes", state the name of the regulatory body or professional organization, date and reason for disciplinary or impending disciplinary action: No

18. Has the firm ever failed to complete any contract awarded?

🗴 No

□ Yes, If yes, state name of the organization contracted with, services/goods contracted, date, contract amount and reason for failing to complete the contract:

19. Has any officer or partner proposed for this project/contract ever failed to complete a contract handled in her or her own name:

🗴 No

□ Yes, If yes, state name of the organization contracted with, services/goods contracted, date, contract amount and reason for failing to complete the contract:

20. Litigation Disclosure:

a. Has the project manager or any member of the firm's team to be assigned to this engagement ever been indicted or convicted of a felony of misdemeanor greater than Class C in the last five (5) years?

🗙 No

🗆 Yes

b. Has the project manager or any member of the firm's team been terminated (for cause or otherwise) from any work being performed by the River Authority or any other federal, state, or local government, or private entity?

🗙 No

🗆 Yes

c. Has the project manager or any member of the firm's team been involved in any claim or litigation with the River Authority or any other federal, state or local government, or

private entity during the last ten (10) years?

🗆 No

🗴 Yes

Plummer Associates, Inc.: No INTERA, Inc.: No Blanton & Associates, Inc.: No Freese and Nichols, Inc. (FNI):

FNI has been involved in the following claims in the last 10 years, and to the best of our knowledge no team member was involved in any of the claims listed.

• FNI was sued over personal injury allegations related to a construction project. FNI was dismissed from the suit.

• FNI was sued over allegations of failure of materials in a dam stabilization project.. FNI resolved this issue through mediation.

• FNI was sued over allegations that an elevated water storage tank did not perform to client's satisfaction. FNI resolved this issue through mediation.

• FNI was sued over allegations of improper placement of a fire hydrant. FNI resolved this issue through mediation.

• FNI was sued by a sub-consultant over non-payment for services after the subconsultant was removed at the client's request. FNI resolved this issue through mediation.

• FNI was sued over construction issues at a treatment plant. FNI was dismissed from the suit.

• FNI was sued over allegations of flooding on property. FNI was dismissed from the suit.

• FNI was sued over flooding on property adjacent to a project. FNI resolved this issue through mediation.

• FNI was sued over after emergency dam and spillway repairs. FNI resolved this issue through mediation.

• FNI was sued over allegations of improper ADA construction. FNI resolved this issue through mediation.

21. Has your company implemented an Employee Health and Safety Program compliant with 29 CFR 1910 "General Industry Standards" and/or 29 CFR 1926 "General Construction Standards" as they apply to your Company's customary activities?

http://www.osha.gov/pls/oshaweb/owasrch.search_form?p_doc_type=STANDARDS&p_toc_level=1&p_keyvalue=1926

Yes

22. How did your firm learn about this solicitation from the River Authority?

- □ Newspaper Legal Notice
- \Box Email notification from the Purchasing Department
- River Authority website: purchasing.sara-tx.org
- □ 3rd Party solicitation service: <u>www.gobonfire.com</u>
- □ Plan Room. Please identify plan room
- \Box Other. If so, please indicate

23. <u>Provide details on how firm meets the minimum qualifications stated in Part 1, Section 4.</u> (Response should be completed below, do not point to another document)

a. The details must be completed on this form and shall not point to another document in the Respondent's submittal.

b. Sign below and return form with final submission.

• Five (5) years' experience providing similar products or services of equal complexity and magnitude.

Plummer and Freese and Nichols, Inc. (FNI) have been integrally involved in regional water planning in Texas for more than 20 years (all five previous cycles). INTERA has been involved in regional water planning for 12 years through the most recent three cycles. Blanton & Associates, Inc. (B&A) has been involved in groundwater planning projects within the region for 6 years. In addition, Velma Danielson of B&A served as a member of the Region L RWPG during the 3rd cycle of planning.

• Three (3) references from entities for which the Respondent provided the products or services, of equal complexity and magnitude, requested. The River Authority cannot be used as a reference.

Region I Kelley Holcomb General Manager PO Box 397 Lufkin, TX 75902 936.633.7543 kholcomb@anra.org Scope: 5th Cycle Regional Water Plan 2016-2021 Value of contract: Annual: \$225,400 Total: \$1,127,000 Region B Biggs and Matthews, Inc. Kerry Maroney Professional Engineer 2500 Brook Street Wichita Falls, TX 76301 940.766.0156 kdm@bmiwf.com Scope: 5th Cycle Regional Water Plan 2016-2021 Value of contract: Annual: \$90,000 Total: \$450,000 City of Corpus Christi Daniel Deng Project Engineer 1201 Leopard Street Corpus Christi, TX 78401 361-826-3256 jiangangD@cctexas.com Scope: Regulatory Support 2021-2026 Value of contract: Annual: \$230,000 Total: \$1,150,000

• Must be able to physically attend meetings within the following counties: Atascosa, Bexar, Caldwell, Calhoun, Comal, DeWitt, Dimmit, Frio, Goliad, Gonzales, Guadalupe, Karnes, Kendall, La Salle, Medina, Refugio, Uvalde, Victoria, Wilson, Zavala, and part of Hays counties.

The Plummer team is able to physically attend meetings within the listed counties.

• Licensed professional engineer certified in the State of Texas in good standing with no debarments or discipline actions, assigned to project team. Attach copy of certification or documents from the Texas Board of Professional Engineers and Land Surveyors.

Copies of professional engineer or professional geologist licenses can be found on the following page.

• Engineering Firm must have Firm Registration number issued by the Texas Board of Professional Engineers and Land Surveyors with an active status.

Plummer is registered as firm F-13.

• The responding individual or business is not on the debarred vendor list with the River Authority, the State of Texas, or Federal Debarment List (sam.gov)

Plummer and our subconsultants are not on the debarred vendor list with the River Authority, State of Texas, or Federal Debarment List.

• Submittal documents including a cover sheet, Executive Summary, Attachments A-F, per the method described.

Reference sections A, B, and C of our Statement of Qualifications for the required submittal documents.

I certify that our firm meets the minimum qualifications as stated in Part 1, Section 4.

Company

Plummer Associates, Inc.

<u>June 23, 2021</u> Date

Signature

COPIES OF PROFESSIONAL ENGINEER LICENSES FOR APPLICABLE PROPOSED TEAM MEMBERS.



STATEMENT OF QUALIFICATIONS

ATTACHMENT A – SUPPLEMENTAL QUESTIONNAIRE

Please provide answers to the questions below. The answers provided will assist the evaluation team understand your firm's qualifications. The details must be completed on this form and shall not point to another document in the Respondent's submittal. The evaluation is not limited to the questions below, but the entire submission.

Provide details to support the evaluation criteria stated in Part 1, Section 17. (*Provide details to assist the evaluation team understand how your firm meets each criterion. Please be thorough, answers that are vague or simply restate the evaluation criteria will be scored less than other firms that provide adequate details*).

A. Identification and understanding of the River Authority's requirements for this project (FACTOR: 20%)

1. Describe your firm's approach and schedule for developing task order scopes and fees.

The process of scope development and budgeting for regional water planning is unique, in that the scope of work and its budget are established by the TWDB. Tasks 1, 2A, 2B, 8, and 10 have been released and we anticipate that the complete scope and budget for Region L will be published soon. Each task will include its own detailed scope of work and budget.

For the 6th cycle of regional water planning, the Plummer Team and the Region L administrative agency, the San Antonio River Authority (the River Authority) will need to meet immediately upon authorization to proceed to accomplish two critical steps:

1. Gain a comprehensive understanding of the SOW; not just work within the five initial tasks, but all of the tasks that will be part of the 6th cycle of planning; and,

2. Develop a preliminary schedule for the project, including any specific Region L milestones and deliverables beyond those identified by the TWDB.

The initial meeting will confirm the split of funds between the River Authority and the Plummer Team for each task. Development of the preliminary schedule will ensure that all milestones and deliverables are known and understood.

The Plummer Team believes these early steps are absolutely crucial to ensuring that the critical success factors for the project **resilience, collaboration**, and **process support** - are being met. The overall



STATEMENT OF QUALIFICATIONS

schedule will be established in four phases, wherein all of the TWDB's tasks and additional milestones of the Region L RWPG will be contained. Our understanding of these phases comes from our years of regional water planning experience across the State.

Describe your firm's methodology to manage projects, planning methods and tools used to ensure communication to key stakeholders.

This item lies at the core of **process support**, one of the critical success factors identified by the Plummer Team for Region L. We have learned from work in other regions just how important it is to identify the level of support desired by the RWPG and the administrative agency for the region and then develop a program that exceeds expectations throughout the project.

Plummer uses an array of tools to manage projects, including Unanet for project administrative planning, resource assignments, resource scheduling, budget management, and invoicing. Unanet is the core tool of our project management process. In addition, we have available to us a range of tools to enhance our project management process and communications, including TEAMs for virtual meetings and internal team communications. Along with SharePoint, TEAMs can also be used as a tool for sharing information within the project team. We also have available other tools, such as Microsoft Project, for scheduling.

On the regional water planning level, a very different set of process-support skills may be employed. The technical consultant's client is the administrative agency for the RWPG (the River Authority, in the case of Region L), but the overarching client is the RWPG itself. TWDB's role as the funding administrator is another important project management stakeholder, as invoices must be submitted by the administrative agency to the TWDB for payment.

This multi-faceted project structure suggests the need for additional project management strategies to provide more process support, and the Plummer Team will meet that need by building upon the standard tools described above, or introducing additional tools as appropriate. Communications under this structure could be aimed at enhancing **regional and interregional collaboration** with stakeholders inside and outside of the region. The Plummer Team is well positioned to provide additional project management tools and enhanced communications for Region L, as described below.

ADDITIONAL PROJECT MANAGEMENT TOOLS:

- Meeting notes: A variety of meetings are anticipated in which the technical consultant may be involved, including regular or special meetings of the RWPG, committee meetings, public meetings, or meetings with representatives of water user groups or other stakeholders. Whether such meetings are virtual or in person, the Plummer Team will prepare draft meeting notes that will be made available to the RWPG for review and comment. Once the notes are approved, they will ensure that essential discussion, action items, and other important issues are memorialized for future use.
- **Meeting minutes:** Typically in other regions, the administrative agency prepares minutes for the RWPG, but the Plummer Team is ready to either perform this task or assist the River Authority in minutes preparation.
- Monthly touch-base meetings with the River Authority staff: Rex Hunt will meet virtually with the River Authority staff responsible for administrative management of the Region
L contract on a monthly basis to ensure that invoicing processes are followed and other support requirements are met. These calls will help to ensure that the Plummer Team is providing the desired level of project management support for the project.

ENSURE COMMUNICATIONS TO KEY STAKEHOLDERS:

Meaningful and robust stakeholder and public involvement within all areas represented in Region L is key to developing a holistic and inclusive regional water plan. The Plummer Team is experienced in working with urban and rural communities to plan and carry out comprehensive public involvement and outreach efforts that successfully engage, inform, and gather input from the public. 31 Texas Administrative Code (TAC) Chapter 357 includes specific requirements with regard to public involvement and outreach, and the team will work with Region L and the River Authority staff to ensure that these requirements are met and documented. New requirements for meeting notices and opportunities for public involvement and input have been recently added to 31 TAC §357.21. The Plummer Team offers the following approach to further enhance the regional planning process for stakeholders and the public.

Public Involvement Plan (PIP): The Plummer Team will develop a PIP early in the process. The PIP will provide a Public Outreach Road Map for Region L, with a toolkit for implementation, a schedule for implementation and a checklist as to how Region L will meet the requirements of the TWDB's rules on public participation.

The PIP Road Map will enhance **collaboration** in the region by maximizing the opportunities for public involvement during the planning process. It could include a list of public involvement efforts to gather input at required points in the planning process, as well as ongoing efforts to encourage attendance at and participation in regularly scheduled Region L RWPG meetings.

Development of the PIP could also include a survey of the Region L membership on the most effective methods of providing notification of the planning process and Region L meetings to local communities and the interests throughout the basin represented by the Region L planning group members. The PIP will be prepared with and evaluated by the Region L RWPG to ensure the team is using the most effective methods to contact stakeholders and the public.

- Stakeholder and Public Communication Opportunities: The Plummer Team will use TEAMs and the Region L website to encourage and maximize communications with, and input from, stakeholders.
 - ✓ TEAMs Communications for Stakeholders: The Plummer Team will make use of TEAMs or similar virtual platforms to reach out to stakeholders on important topics to address any technical or administrative issues. Using this tool will enhance our ability to reach out to others, while limiting the additional cost associated with such outreach.
 - ✓ Region L Website: As evidenced by changes to 31 TAC §357.21, the TWDB recognizes the importance of an effective website to reach stakeholders across a region. The Plummer Team will review the Region L website for opportunities to enhance functionality, including simplifying the procedure to be used by the technical consultants to update the information on the website, and

In Region I, during the 5th cycle of planning, Plummer completely overhauled the region's web site, improving its functionality and accessibility.

improving navigability of the website for stakeholders and the public. For example, portals can be added so that WUGs can upload their data and information directly to the website, making the process more efficient and reducing opportunities for error.

- Stakeholder and Public Meeting Notice Additions: The Plummer Team will implement strategies to supplement existing procedures to comply with the revised public meeting notice requirements in 31 TAC §357.21 for Region L RWPG meetings. This may include meeting notices, stakeholder E-blasts, use of social media, and press releases to enhance the awareness of stakeholders to the planning process.
- Public meeting enhancements: The Plummer Team is prepared to work with Region L and the River Authority to increase and expand efforts to obtain stakeholder input from across Region L. This will support both collaboration and planning process support.
 - ✓ Pre-Planning Public Meetings: Recent amendments to 31 TAC §357.21 include a new requirement to hold at least two Pre-planning Public Meetings at the initiation of the regional water planning process to obtain public input on development of the next regional water plan, and holding hearings on the Initially Prepared Plan or making revisions to the regional water plan based on interregional conflict resolutions. The Plummer Team is currently working with regional flood planning process. Critical to the success of these meetings is how to encourage stakeholder and public involvement. Relevant strategies will be included in the PIP, including sending advance meeting notices and reminders to stakeholders and the public, as well as making the information on the meetings available through the Region L website and various other outlets, such as the websites of city and county governments and councils of governments located in Region L. These strategies will increase awareness of this effort and encourage participation and input.
 - ✓ Planning Group Meetings in Different Locations Around the Region: The Plummer Team will work with the River Authority staff to schedule, plan, and organize RWPG Meetings throughout the region to encourage dialog with community representatives who may not be able to travel to San Antonio routinely. Scheduling meetings at different locations creates flexibility, which would serve the Region L RWPG well in discussing new or emerging issues in various parts of the basin during the first two years of the planning cycle.
 - ✓ Virtual Public Meeting Platform: The Plummer Team has completed a wide variety of public involvement projects, including large- and small-scale public involvement initiatives using various platforms. We are prepared to conduct any level of virtual or online meeting, in addition to or in lieu of in-person public meetings/hearings where public input is being requested. An example of a virtual "360 room" public meeting that our Team recently developed for the Texas Department of Transportation (TxDOT) is shown on the following page:



3. Discuss the how timelines are managed, and key milestones anticipated for a regional planning project of this magnitude. How does you firm stay on schedule and ensure its meeting performance measures?

Maintaining schedule and meeting scope is the primary responsibility of the project manager. Rex Hunt has an enviable track record of consistently delivering projects on time, including three prior regional water plans for Region I, and within budget. He values communication as the best means for keeping the project on track, he will raise issues early for discussion, and he will provide information for decision making and to support recommendations. Rex's approach to managing timelines and key milestones for this project are:

- Preparedness. Assisting the River Authority with development of RWPG meeting agendas and being prepared for those meetings with understandable presentations to ensure a productive time with members and to keep the project moving along.
- **Team Coordination**. Tracking actions of the Plummer Team to ensure meeting performance measures ensures consistent execution of work that is outstanding and works to enable quick resolution of issues that arise.
- Process Support. Consistent communication and coordination with the River Authority will ensure smooth project management and provide process support to the River Authority for planning meetings.



4. Describe how your firm ensures master planning documents have a practical application.

The Plummer Team will develop master planning documents that meet TWDB regional planning goals and conclude with a solid list of feasible projects for Region L. The feasibility planning of projects will also include alternatives, if available, and a recommendation. These projects will have a high-level cost to use as a baseline for development projects. The Plummer Team will ensure that the **collaboration** between Region L members and with adjacent regions occurs in the development of these projects. This will help to ensure that the region is focusing on system **resilience**, as well.

The funding of the projects will be examined, and a plan provided on potential implementation based on funding and the resources the water purveyors have available to them. The Plummer team will incorporate and address the specific challenges and concerns of all WUGs.

Solutions will be examined and provided to ensure the feasibility of the project's planning can lead to a viable project.

5. Please detail how your firm plans to meet all stated deadlines.

Meeting stated deadlines begins with a clear understanding of the deadlines.

Major milestones of regional water planning are set by the Texas Water Development Board (TWDB). After receiving authorization to proceed, the identified milestones of the TWDB are:

- Submission of Technical Memo to TWDB: March 4, 2024
- Submission of 2026 Initially Prepared Plan to TWDB: March 3, 2025
- Final 2026 Regional Water Plan Adoption by Region L RWPG: September 2025
- Submission of 2026 Regional Water Plan and project prioritization to TWDB: October 20, 2025

These milestones will be supplemented by milestones of the RWPG, which will be developed in collaboration with the River Authority and the Plummer Team at the beginning of the project. All milestones will be incorporated into a preliminary project schedule developed at the same time.

Additionally, the Plummer Team will develop the schedule around RWPG meetings and provide the members enough time for thorough input and collaboration. Coordinating with the RWPG Chair to establish meeting dates and schedules well in advance of deliverable deadlines to allow for review and public meeting notice as required. **Collaboration with and between stakeholders is critical success factor to a quality deliverable and meeting schedule**. The Plummer Team will review every project deliverable prior to its release as a draft to the River Authority or RWPG. These reviews are necessary and take time, so these reviews will also be incorporated into the schedule.

The Plummer Team Project Manager, Rex Hunt, will communicate weekly with team members to monitor progress on individual tasks. Task-specific Team Meetings will help to ensure consistency with execution of tasks and identify staffing issues that need to be resolved in order to ensure the timely completion of deliverables. Then he will coordinate with the entire team to ensure the timely completion of deliverables.

- B. Past Performance and experience on projects of this magnitude and complexity (FACTOR: 30%).
 - 1. How has your experience prepared your team to meet the objectives of the regional planning process?

The primary objective of regional water planning in Texas never changes – that is, ensuring that an adequate supply of water is there for the residents, businesses, and communities of the State of Texas. However, the regional water planning process in Texas evolves with each cycle of planning. As the process evolves, other planning objectives do change in focus or importance. For example, at the urging of the Interregional Planning Council, the TWDB has incorporated into the initial stages of the 6th planning cycle a requirement for **collaboration** between adjacent regions. The purpose is to identify and begin to deal with conflicts before they become acute issues.

Over the past 18 months, we have engaged with and listened closely to stakeholders throughout the region, concluding that the 6th cycle of planning for Region L represents a pivot point and an opportunity to take the process to its next level. We see factors critical to success for Region L in three areas: resilience, collaboration, and process support. These critical success factors become major objectives of the Region L RWPG for the 6th cycle of planning.

Our experience prepares our team well to meet all these objectives of the regional water planning process for Region L in the following ways:

Planning for resilience: Texas has seen its share of natural disasters in the past decade, including severe droughts at the beginning of the last decade, Hurricane Harvey in 2017, and Winter Storm Uri in 2021. These events highlighted significant gaps in the resilience of the State's water supply and are part of the reason why Region L stakeholders have identified resilience as a key concern in the 6th round of planning. The Plummer Team has effectively helped the regions in which we work weather such events. Following the recent winter storm, FNI helped the City of Houston return its treatment operation to proper levels, inspect for water main breaks, coordinate with state regulators and



restore safe drinking water for residents. The winter storm of this past February exposed further issues with the State's water supply. This is part of the reason we have seen stakeholders in the region identify resilience as a key concern to them in the 6th round.

Collaboration: Working with regions and with stakeholders throughout a region has been an ongoing hallmark of the Plummer Team in all prior cycles of planning. For example, in Region I, Plummer works closely with the technical consultants in Regions C, D, and H to ensure that shared water user groups are not left out of the process. As another example, the SAWS/ LCRA project was a major collaboration effort between regions. Plummer, INTERA, and staff from other team members were involved in that effort. The Plummer Team's experience in other regions will ensure that the early collaboration required for the 6th cycle of planning gets off the ground quickly and effectively.

Planning process support: Process support means both the behind-the-scenes administrative work of helping to ensure that the planning process runs smoothly and the

technical wherewithal to create a 2026 RWP that meets all schedules and time frames. Process support is absolutely crucial to the success of any regional water plan, and our successful experience in process support in other regions demonstrates our ability to help Region L in the 6th cycle of planning.

We will accomplish these goals through both administrative and technical approaches.

Administrative Support: We are committed to assisting the River Authority in its role as the administrative agency for Region L in the 6th cycle of planning. Given the River Authority's parallel role for the Region 12 Regional Flood Planning Area, there will be a lot to do. The Plummer Team's experience in other regions can help in the following areas:

- **Meeting Coordination Support:** In our lead roles in other regions, both Plummer and FNI support the administrative agency with agenda preparation, meeting coordination, proofing of meeting minutes, and web site updates for meeting notices, etc. We have successfully met the varying needs of the administrative agency in these regions.
- Invoicing: The stringent requirements of the TWDB relating to invoicing requirements is a challenge to all technical consultants involved in regional water planning. Where it is not managed well, the issues with invoicing become a challenge for the administrative agencies as well, who may end up getting caught in the middle between the TWDB and technical consultant. We have learned to work within the system, however, and have made invoicing a process that puts less stress on the administrative agencies for the RWPG. In the 6th cycle of planning for Region L, the Plummer Team will work to keep the River Authority out of the invoicing cross-fire by: 1) promptly invoicing on the schedule requested by the River Authority; 2) carefully reviewing invoice charges from everyone on the Plummer Team to ensure TWDB guidelines for charges are followed and that invoices are accurate; and 3) managing individual task budgets appropriately. These measures will reduce the risk that the TWDB will reject invoices once they are submitted to the agency.
- **Project schedule:** There is no aspect of project management on a regional water planning project that makes a greater impact on success than development of and adherence to the project schedule. The Plummer Team understands this principle well. Our approach for Region L will be to work with the RWPG and the River Authority at the project outset to prepare a detailed schedule for all anticipated tasks. We don't know yet exactly what the TWDB will prepare for the complete scope of work, as it is typically released in pieces over a period of time. However, we know generally what to expect. The detailed schedule we prepare early on will need to be adjusted from time to time. However, we understand the process and know that having a schedule from the project initiation enables the region to adjust to changes in an orderly fashion throughout the process.
- Knowledge of requirements for regional water planning: We live in a regulatory environment, and nowhere is this more evident than in regional water planning rules, including Title 31 Chapter 357 Regional Water Planning Guidelines, Chapter 358 State Water Planning Guidelines, Chapter 356 Groundwater Management, and other Title 31 rules that define the parameters for the planning process and the goals of the program. These rules must, therefore, be understood by the RWPG, the administrative agency for the region, and the technical consultants for the project to be successful.

The Plummer Team will utilize its extraordinary familiarity with regional water planning requirements to support Region L throughout the 6th cycle of planning. We are steeped in water planning regulations, including the many guidance documents that the TWDB publishes to further clarify the regulations. There are no other technical consultants in regional water planning that have worked harder to understand how the TWDB requirements affect the process. Rex Hunt, for example, worked closely with

the Region I Chair to prepare comments on behalf of the Region I RWPG on proposed rules changes in the 4th cycle of planning. FNI worked with TWDB staff to develop and implement the Uniform Costing Model and the Municipal Water Conservation Planning Tool for the planning process and consulted often with TWDB on the agency's database. Both INTERA and B&A are well-versed in rules related to groundwater

management and requirements of Groundwater Conservation Districts (GCDs) and Groundwater Management Areas (GMAs).

Technical Support:

- **Technical analysis:** In our roles in other RWPGs, FNI, INTERA, and Plummer have become very familiar with the requirements of technical analysis of water management strategies. This analysis is, in a sense, the core of the planning process and we understand it well. The Plummer Team will utilize its experience in other regions to ensure that the technical analysis of strategies identified for Region L are carefully evaluated and clearly communicated to the RWPG in the 2026 Plan.
- **Engagement:** One crucial hallmark of good technical analysis and support is engagement with Water User Groups throughout the region. The Plummer Team understands the issues here. It is not easy to get all of a region's entities involved. This is particularly true of some of the smaller, more rural water providers. But collaboration, an identified critical success factor for this cycle of planning will demand that the Plummer Team carefully construct the means to reach out the region's water user groups and bring them into the planning process. This is, indeed, a critical success factor.
- List three relevant major projects your organization has in progress that are similar in scope, magnitude, and complexity to this request.

REGIONAL WATER PLANNING IN EAST TEXAS, REGION I, TX

This project demonstrates expertise in the TWDB regional water planning process, including completion of all defined planning tasks, as well as working together (Plummer and FNI) to successfully complete planning projects.

Plummer's history in Region I goes back to the beginning of regional water planning. In 1999, Plummer and FNI began work with Region I as subconsultants on the Consulting Team in the first round of planning. That relationship continued through the second round of planning, after which Plummer became the primary consultant in 2007 with FNI continuing as subconsultant. Since then, Plummer and FNI have supported this RWPG in successful development of regional water plans in 2011, 2016, and 2021.. The 2021 Plan updated the 2016 Plan.

The 2021 Plan involved a broad-based review and evaluation of each aspect of the former plan, from the general description of the region in Chapter 1 to the Comparison to the Previous Plan in Chapter 11. Although the outline of the 2021 Plan closely matches that of the previous plan, there were several updates made to address changes in the region, TWDB guidelines, and legislative requirements that required significant work on the part of both the Team and the RWPG.



CLIENT NAME AND CONTACT Angelina-Neches River Authority Kelley Holcomb 936.633.7543

In the fifth round of planning (2021 Plan), the Plummer Team conducted numerous meetings with the RWPG, the group's Technical Committee, and others to inform the group, gain insight on regional issues, and obtain consensus on strategies being developed. We also worked closely with water user groups and wholesale water providers to gain local support and ensure accuracy of information and strategies included in the new plan.

The change in TWDB guidelines transitioned from creating projections for entities defined by political boundaries to entities designated by utility-based service areas. This change resulted in 64 new WUGs in the region, 37% more than in the previous plan, requiring the Team to identify new contacts for reviewing data in the plan. The Team launched a new website with an easily navigable, user-friendly interface to facilitate data review. The website includes up-to-date information on all elements of plan development progress.

REGIONAL PLANNING FOR THE LLANO ESTACADO REGIONAL PLANNING GROUP, REGION 0, TX This project demonstrates INTERA's experience in regional planning, expertise in characterizing water availability, development of water management strategies, and familiarity with TWDB-defined processes, including stakeholder collaboration.

INTERA provided technical support for the 5th Cycle of the comprehensive regional planning process for Region O. Our emphasis and key responsibilities were focused on components of the plan related to groundwater and conjunctive groundwatersurface water management. Specifically, INTERA's expertise was used to assess groundwater availability, identify potentially feasible water management strategies, and prepare sections of the Region Water Plan document.

Assessment of groundwater availability included obtaining and reviewing the Modeled Available Groundwater (MAG) volumes that are developed by TWDB based on the Desired Future Conditions (DFCs) adopted by GMAs. MAG volumes for each aquifer were obtained from TWDB through the DB22 interface and split into discrete geographic-aquifer units by aquifer, county, river basin, and region. INTERA investigated potential



groundwater-related hydrologic variances, including the use of MAG Peak Factors.

Identification of potentially feasible water management strategies was focused in two main areas: municipalities that rely on groundwater wells or wellfields and more general unmet needs for non-irrigation WUGs such as mining and manufacturing needs at the county level. For the municipalities, the proposed strategies generally involved wellfield expansion.

INTERA examined the high-level strategy design, in terms of wellfield and piping layout, and considered the additional infrastructure, such as small water treatment plants, that might be required. Each of these project elements was entered into the Uniform Costing Model (UCM) tool used in the regional planning process to estimate project costs. The results of evaluations and analyses were documented in the groundwater availability and supply strategy sections of the overall planning document. The plan was accepted in November of 2020.

2021 REGION C REGIONAL WATER PLAN, TX

This project demonstrates FNI's expertise in regional water planning in a complex and growing region and their ability to take on difficult issues in a region with wid ranging opinions about how planning should be done. This project is also another proof of the long relationship between FNI and Plummer in regional water planning.

The FNI Team, which includes Plummer, has played an integral role in Region C Water Planning, serving as the Region's only technical consultants since the inception of the current approach to state and regional water planning implemented in 1997. For the past five planning cycles, our team has developed accurate, high-quality and on-time regional plans that have been repeatedly commended by the TWDB.

Region C is home to 7 million people and is projected to grow to over 14 million by 2070. Accurate projections of growth and water demands are critical in producing a viable water plan. Our team worked together with the water user groups and wholesale water providers to develop reasonable population and water





demand projections. FNI developed estimates of current water supply using sound hydrology and expertise with Water Availability Models (WAMs). Where appropriate, the WAMs were modified to capture the most recent droughts and operations of reservoir systems.

FNI identified and evaluated recommended feasible Water Management Strategies that, if developed, secure the future water supply needed to continue our Region's economic viability and growth. Conservation continues to be an integral component of the recommended Region C Water Plan. Plummer has been a partner on the FNI Team for Region C through all cycles of planning, and was instrumental in developing a range of progressive conservation strategies, model conservation and drought contingency plans, and long-term conservation goals.

Our team also tackled tough issues like Unique Stream Segments, coordinating efforts between three state agencies and other stakeholders to bring clarity, purpose, and direction to the issue through the formation of a statewide working group. We have continued to inform the Region C Planning Group of changing state policy on other issues such as conservation and environmental flows. In addition, the public relations portion of our team developed award-winning newsletters that are sent to a mailing list of over 1,500 and generated significant media coverage for Region C.

3. Describe how you've led large scale planning processes. (revised per Addendum No. 1, Request for Qualifications #00219, Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning.)

The Plummer Team includes Texas engineers, geologists, scientists, and communications experts who have gained an extraordinary level of understanding of regional water planning in Texas through years of participation in the regional water planning process across the State. Collectively we have decades of water planning experience. Projects in which we have been involved are summarized following:

- Region I Regional Water Planning Area Plummer and FNI have been involved in this 20-county region since regional planning began in 1997. Plummer has led the technical consultant team for Region I since 2006. Plummer was recently awarded the 6th cycle of planning for Region I.
- Region C Regional Water Planning Area FNI has led the technical consultant team for this 16-county region since the first cycle of planning in 1997. In addition, Plummer has been on the FNI team since that time. FNI was recently selected by Region C to lead the 6th cycle of planning.
- Region F Regional Water Planning Area FNI has led the technical consultant team for this 32-county region since the first cycle of planning in 1997. FNI has been selected by the Region F RWPG to lead the team in the 6th cycle of planning.
- Region H Regional Water Planning Area FNI has led the technical consultant team for this 15-county region since the 4th cycle of planning. FNI was recently selected to lead the 6th cycle of planning.



4. Detail the watershed and project description of firm's previous water planning experiences within the past 5 years. Provide at least 2 examples. Each example provided has a two (2) page limit.

WATER RIGHTS PERMIT SUPPORT TO INCREASE BASE FLOWS IN THE SAN MARCOS RIVER, CITY OF SAN MARCOS, 2020-CURRRENT

Plummer provided support to the City of San Marcos (City) and Texas State University for a water rights permit amendment. Both the City and Texas State had previously entered into an interlocal cooperation agreement that included provisions for Texas State to forgo withdrawing some of its authorized water rights from the San Marcos River in exchange for reclaimed water to be provided by the City. Under the agreement, Texas State would maintain the water rights, but the City would be authorized to divert the specified volume of water from a new downstream diversion point to be located at one of the Canyon Regional Water Authority's water treatment plants. **The impetus for the project was to increase baseflow within an environmentally critical section of the river.**



CLIENT NAME AND CONTACT City of San Marcos Laurie Moyer 512.393.8132

Plummer's role in the project was to prepare the water rights

permit amendment to change the diversion point and designated use for multiple authorized diversions and coordination with the City, Texas State, Canyon Regional Water Authority, and the Texas Commission on Environmental Quality. The application is currently in administrative review.

2021 REGION F REGIONAL WATER PLAN, COLORADO RIVER MUNICIPAL WATER DISTRICT

FNI serves as the lead consultant for Region F, a 32-county region in West Texas. The region encompasses the Upper Colorado River Basin and parts of two adjoining river basins. Challenges in this region include ongoing drought, dynamic population growth, limited water supplies and poor water quality.

FNI has provided long-range water planning to Region F since the first round of regional water planning. This area is prone to periodic drought and rapidly changing populations associated with oil and gas development.

For the 2021 Region F plan, the activities associated with the oil and gas development in the Permian Basin, located in the western part of the region, were a driving factor for mining demands and population growth. Unlike previous oil and gas booms, this development is resulting in permanent relocations of workers as the anticipated activities are projected for several decades. The support services for these activities also expanded, adding to the project growth. FNI worked closely with the local communities,



CLIENT NAME AND CONTACT Colorado River Minicipal Water District John Grant 432.267.6341

groundwater districts, and mining representatives to develop new mining demands and adjust population growth and municipal demands.

Most of Region F is in the upper portion of the Colorado River Basin and in the Pecos River portion of the Rio Grande River Basin. Average precipitation ranges from slightly more than 11 inches per year in Reeves County to approximately 30 inches per year in Brown County. Some of the highest evaporation rates in the state are in Region F, which often exceed rainfall throughout the region.

There are 17 major water supply reservoirs in Region F that provide most of the region's surface water supply. Reservoirs are necessary to provide a reliable surface water supply in this part of the state because of the wide variations in natural streamflow. Reservoir storage serves to capture high flows when they are available and save them for use during times of normal or low flow.

Water quality is also a concern in the region, especially the western part of the region. Salt seeps contribute to high chlorides and total dissolved solids levels in both the Pecos and Colorado river basins. There are several saltwater control projects that help control the salinities. However, during drought, these levels often exceed municipal standards.

A major component of the Region F Water Plan is evaluating available water supplies. Most of the municipal water supplies in Region F come from surface water sources, mainly reservoirs. In 2011, the region experienced a significant drought that resulted in very low lake levels and priority calls within the Colorado River Basin. To better capture the impact of this drought on water supplies, FNI evaluated the yields of the water supplies using an updated Colorado River WAM. For almost every reservoir in the region, a new critical drought had occurred since the original yield analyses.

The Region F plan evaluated system operation studies of several reservoirs, as well. The systems included in the Region F Plan were the Colorado Municipal Water District (CRMWD) system (J.B Thomas, E.V. Spence and O.H. Ivie), the San Angelo system (Fisher, Twin Buttes and Nasworthy)

and the Luminant system (Colorado City and Champion Creek).

As part of the 2021 Region F Plan, FNI conducted a joint modeling effort with the consultants representing the Lower Colorado River Region (Region K) to evaluate potential conflicts with downstream interests over water supplies. This modeling represents actual operations in the region and better represents surface water availability and need for new projects.



FNI worked closely with its groundwater consultants to develop and analyze groundwater supplies in the region. The Groundwater Availability Models (GAMs), as available, were used to assess groundwater availability and evaluate water management strategies. As needed, Managed Available Groundwater estimates were adjusted with GCD and TWDB approvals.

FNI conducted considerable outreach to all major water providers and other providers with needs. With local input, conceptual plans and costs for strategies were developed to meet demands over a 50-year period.

Detail water resource project description that had multi-purpose benefits including but not limited to flood mitigation effort for a community.

MITCHELL LAKE CONSTRUCTED WETLANDS PROJECT, SAN ANTONIO WATER SYSTEM

This project features a consulting team led by Plummer, with crucial assistance from FNI. It initially involved the design/ operation of a 12-month pilot wetland study, permitting of a proposed lake-wetland system, and evaluation of improvements for the dam/spillway to improve lake management.

Plummer designed the pilot wetland as a proof of concept study, as few comparable systems treating hypereutrophic lake water exist. Design incorporated a floating pump station, 1.35-acre pilot wetland comprised of three parallel trains, flow control structures, and electrical/ instrumentation. Flow and water quality data confirmed the wetland significantly improved water quality with respect to constituents of interest (CBOD5, TSS, pH, TKN) and met water quality objectives (i.e., future permit limits). A final study report and preliminary OPCC for a fullscale downstream wetland were prepared.



CLIENT NAME AND CONTACT San Antonio Water System Gregg Eckhardt 210.233.3423

Plummer assisted in re-permitting the lake from an individual TPDES wastewater permit to an MS4 permit. This change in permit structure, which was the first for TCEQ, removes permit limits from the lake and moves them to the wetland outfall, significantly increasing SAWS' ability to comply with its permit.

As part of the design team, FNI evaluated the condition/hydraulic capacity of the dam and spillway and concluded the dam should be raised and the spillway expanded/replaced. The design and preliminary opinion of probable construction cost (OPCC) for the improvements were documented in a preliminary design report.

Phase 2 of the project involves detailed design of the constructed wetland and dam improvements, as well as stabilization of two reaches of the Medina River. The phase 2 Team includes FNI, who is responsible for the dam improvements and stream stabilization. After completion of the design, the dam and wetland components will be bid and constructed in order to meet the conditions of a US EPA Administrative Order.

- C. Experience and qualifications of the Respondent and key personnel available for this project (FACTOR: 40%).
 - 1. Explain your firm's project management process, with emphasis on how the process supports River Authority and TWDB's needs.

Process support in regional water planning is a critical success factor for Region L's stakeholders, administrative support staff (the River Authority), and the TWDB. Project management processes utilized by the Plummer Team must be designed to be attentive to all parties in the region, especially to the needs of the River Authority. This is particularly important in the 6th cycle of planning, as the TWDB has incorporated several administrative and technical changes to the planning process that will affect how the project proceeds. These changes include early coordination with adjacent regions to identify potential interregional conflicts. In addition, an early public meeting of the RWPG is necessary to discuss the 6th cycle of planning and major concerns of the RWPG and stakeholders.

The highly public nature of the regional water planning process requires, therefore, a transparent project management process that is supportive of the Region's project and the River Authorities administrative needs. In addition, project management must be aimed at ensuring that careful documentation of population and water demand projections and assumptions and data from stakeholders can be appropriately synthesized. Risk assessment in such projects is an important aspect of project management, as well. These features of project management are especially important when addressing hydrology and hydraulics analysis, water resource management, and water right availability analysis issues in the planning project.

Management of data is no less important for other aspects of the regional water planning process. For example, **capital project evaluations/assessments**, **project feasibility analysis**, and **cost estimating** involve the evaluation of large amounts of data. This requires careful project management to ensure the data are compiled appropriately and documentation is complete. The Plummer Team will utilize tools provided by the TWDB to manage the associated tasks, including the agency's water planning database, DB27, and the Unified Cost Model (UCM). The UCM incorporates years of regional water planning experience and enables consistent cost planning across the State. It is held by the TWDB, but was developed by consultants including FNI, under the agency's direction.

Surface water project analysis, groundwater project analysis, and brackish desalination

project analysis are core thrusts of the regional water planning process, involving consideration of project cost, environmental impact, and impacts on the State's resources. The TWDB recognizes this by giving the associated tasks in the project the largest budgets. Completing these tasks in a timely fashion is critical. The Plummer Team's project schedule, established at the outset of the project will be used to guide completion of these critical-path tasks.

2. How does your firm track project progress?

The Plummer Team uses several tools to track progress of a regional water planning project including Unanet for project administrative planning, resource assignments, resource scheduling, budget management, and invoicing. For example, the TWDB requires a report of progress for each invoice.

3. How does your firm communicate project status?

The Plummer Team communicates project status to both the RWPG itself and to the administrative agency for the region. During COVID, we became adept at using TEAMs for communicating project progress virtually. But whether virtually or in person, tracking project progress on behalf of the RWPG or other stakeholders is an important component of project success. As we did for Region I, we will begin every RWPG presentation with a summary of the schedule, showing project tasks completed, in progress, or yet to be started. TWDB or RWPG milestones will be included in the schedule update as well.

Communicating progress on the administrative level is a function of the wishes of the administrative agency for the region. In the 5th cycle of planning, for example, in Region I project progress was primarily accomplished via the invoicing memorandum that accompanied each invoice. We also reviewed project progress after each regular RWPG meeting in a separate postmeeting discussion with the Region I Chair and Plummer Team staff present. These post-meeting

2019-2020 RWPG Meeting Schedule				
<i>y</i>				
		Agenda Items		
Year	Quarter	Chapter	County-Other	RWPG Mtg. Date
	Q2	1, 2 (Needs must be finalized May 2020)	4 Counties	April 17, 2019
2019	Q3	6, 8	6 Counties	July 17, 2019
-	Q4 a	3, 4, 10	5 Counties	October 15, 2019
	Q4 b	5A, 5B, 5C	5 Counties	November 20, 201
	Q1 a	ES, 5B, 7, 9, 11		January 15, 2020
	Q1 b	Initially Prepared Plan Approval (IPP due 03/03/20)		February 19, 2020
	Q2	Public Notices/Hearings		May/Jun
2020	Q3 a	Review Public Comments, TWDB Comments Prioritization		July 15, 2020
	Q3 b	Review Public Comments, TWDB Comments, Final Plan Approval (Final Plan due 10/14/20)		September 16, 2020

discussions were particularly valuable during the latter stages of the planning process when the 2021 Plan was being finalized.

Ultimately, for Region L, the method of communicating project progress is a function of the desires of the RWPG and of the River Authority. The members of the Plummer Team have experienced a wide range of methods for addressing project progress and will work with the RWPG and the River Authority to tailor our methods to the needs of the region.

4. How does your firm gauge the success of a project?

Gauging the success of a project requires early identification of the client's critical success factors. We typically confirm our understanding of the critical success factors at the outset of any project in collaboration with the client. The ultimate gauge of success for this project is to have

an adopted 2026 RWP by October 20, 2025. Along the way, we will gauge success for Region L by developing a detailed schedule for the project and meeting milestones identified throughout the schedule and by demonstrating to the RWPG throughout the project that we are meeting all identified critical success factors.

For the 6th cycle of planning for Region L, we have taken a different approach. Over the past 18 months, the Plummer Team has consulted with numerous RWPG members and other regional water planning stakeholders in order to identify the critical success factors for the next round of planning. Our discussions have yielded many



ideas that we have coalesced into three critical success factors – **collaboration**, **resilience**, and **planning process support**.

For the Plummer Team, there will be no deviation from the goal of achieving these success factors in Region L's 6th cycle Regional Water Plan (RWP). We understand, also, that these success factors are not detached from one another. They work together to ensure success of the overall plan.

The Interregional Planning Council and the TWDB itself see early **collaboration** with adjacent regions as critical success factors for the planning process. Region L stakeholders agree but also want to see early collaboration between urban and rural elements of the region. The Plummer Team wholeheartedly agrees that this is necessary.

The 2021 winter storm again brought to the forefront the need for **resilience** for the region's water systems. Resilience is not a unique concern of Region L, but we believe that Region L has a unique opportunity to further conjunctive use, reuse, conservation, and other integrated water supply planning projects that will enhance the resilience of the region's water supply. In addition, we see the opportunity to evaluate more regionalization of water systems (even if only for emergency interconnection).

The Plummer Team is committed to making **process support** a critical success factor for the region. Part of process support means excellence in the technical application of planning: water management strategy development and evaluation and stakeholder engagement to name two. But it also means supporting the River Authority in the day-to-day process of making the planning process work administratively. Every region requires a different level of assistance in this regard. The Plummer team will meet early with the River Authority to discuss those areas in which we can be most effective.

5. How does your firm perform quality checks for a project?





Our corporate philosophy is that each and every person is responsible for maintaining the quality of our services. We believe our success, as evidenced in an 85% rate of repeat business (in regional water planning, among our team members, that number approaches 100%), is due to our focus on quality. Every person is expected to carefully complete each assignment. However, we also understand the need to check our work. As a result, a Project Quality Officer (PQO) is assigned to each of our projects. Robert Adams will serve in this role for the Plummer Team for this project. A QA/QC budget is established for each assignment, and Robert will be responsible for conducting the formal QA/QC reviews for the project prior to delivering our work products. Robert is a senior member of our staff with

technical expertise in regional water planning, but he will not be directly involved in the project. Plummer will conduct internal QA/QC reviews for each deliverable. Following the internal QA/QC review, Plummer will meet with the River Authority and the RWPG to discuss the specifics of each part of the plan. Comments from the River Authority and RWPG are compiled in a spreadsheet in order to ensure that all comments are addressed.

6. Please provide an example of how your firm records meeting minutes.

The standard approach to minutes for regional planning is for the administrative agency to officially record them. However, the Plummer Team will take its own notes for each meeting, support the administrative agency for the region in reviewing draft minutes, and provide support in supplementing minutes when asked (which is often). In Region I, we manage the web site and post meeting materials, including minutes, on the site as they become available. If requested to do so by the River Authority, we could take a larger role in developing the meeting minutes for Region L.

REGION H WATER PLANNING GROUP WATER MANAGEMENT STRATEGY COMMITTEE MINUTES OF COMMITTEE MEETING SEPTEMBER 4, 2019

A meeting of the Region H Water Planning Group (RHWPG) Water Management Strategy (WMS) Committee was held at 12:00 p.m., September 4, 2019, at the General Administration building of the San Jacinto River Authority. A notice of said meeting was posted as required by law.

MEMBERS PRESENT: Bob Hebert, Jace Houston, Yvonne Forrest, Ivan Langford, Glenn Lord, John Bartos

DESIGNATED ALTERNATES: Jim Sims for Kevin Ward, Jun Chang for Jimmie Schindewolf, Aaron Abel for Brad Brunett

MEMBERS ABSENT: Robert Bruner, Mike Turco, Mark Evans (non-voting)

NON-VOTING MEMBERS PRESENT: Robert Istre

NON-MEMBERS PRESENT: Ken Kramer (Sierra Club) for Carl Masterson, Gene Fisseler, Paul Nelson (The Woodlands G.R.E.E.N.), Shane Porter (SJRA), Matt Barrett (SJRA), Lindsey Kovar (BGE), Veronica Osegueda (City of Houston), Sharon Citino (City of Houston), Danielle Goshen (Galveston Bay Foundation), Scott jones (Galveston Bay Foundation)

CONSULTANT TEAM: Jason Afinowicz, Philip Taucer, Mike Reedy, Courtney Corso, Jordan Skipwith, Chris Drabek, Glenda Callaway

1. CALL TO ORDER

The meeting was called to order at 12:00 p.m.

2. INTRODUCTIONS

Mr. Hebert welcomed the committee members and guests to the meeting.

3. REVIEW AND APPROVE MINUTES OF MARCH 21, 2018 WMS COMMITTEE MEETING.

The committee passed a motion to approve the minutes of the WMS Committee meeting on March 21, 2018.

4. RECEIVE PUBLIC COMMENTS ON SPECIFIC ISSUES RELATED TO AGENDA ITEMS 5 THROUGH 7.

D. Local Understanding (FACTOR 10 %)

1. How familiar is your firm with the rules for state and regional water planning and regional water planning grant assistance adopted by the TWDB (31 TAC Chapter 355, 357, and 358) and which rules does your firm find most conductive to the goals herein? (revised per Addendum No. 1, Request for Qualifications #00219, Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning)

Technical consultants engaged in regional water planning must, of necessity, become familiar with the TWDB's requirements to successfully complete the process and produce a regional water plan. Through our experience in multiple planning cycles, however, every member of the Plummer Team has gained a deep understanding of the TWDB's rules and guidance pertaining to regional and state water planning. We understand the basis of the rules and the need for the continual changes that the agency makes to the rules to improve the process.



The rules that affect us most are the Title 31 Texas Administrative Code (31 TAC), Chapter 357 (Regional Water Planning) and 31 TAC Chapter 358 (State Water Planning) regulations. These are the regulatory workhorses of the planning process. Most of the scope of work for each regional planning cycle comes from these two chapters and, therefore, these are the most conducive to the goals of regional water planning.

Perhaps more directly for the 6th cycle, however, the Plummer Team believes that the work of the Interregional Planning Council (the legislative group composed of the 16 Regional Chairs) will become important guiding principles.

The October 16, 2020 Report to the TWDB by the Interregional Planning Council included a wide range of recommendations that point to the need to focus on collaboration, resilience, and process support, as regional planning continues into the future. Already the influence of this report is being felt at the TWDB, as evidenced by recent changes in Chapters 357 and 358 and others that are currently being considered by the TWDB.

The rules found in 31 TAC Chapter 355 guide the provision of grant money to the regions for the planning process and outline the process by which RWPGs apply for funding. Technical

consultants in regional water planning must be familiar with these requirements as they are the framework for payment for assisting RWPGs with the planning process. The Plummer Team is available to support the River Authority in its process of applying for funding, if needed. In Region I, for example, Plummer typically assists the region's administrative agency (the City of Nacogdoches) with the initial application process, reviewing the City's information and data and helping to satisfy requirements for notice and schedule for the application process.



ATTACHMENT B-SUBMISSION EXCEPTIONS/CLARIFICATIONS

Any exceptions or clarifications taken to this solicitation must be itemized on the lines below. Additional pages may be added as needed. If there are no exceptions or clarifications, please sign where indicated at the bottom of the page.

Item # Description

The above exceptions and clarifications (and any additional pages identified) are the ONLY exceptions/clarifications to the specifications. I understand that the River Authority may not accept additional exceptions produced after final submission of this submittal.

Signature	Company	Date	
No Exceptions are taken to t	his solicitation.		
R222 A Signature	Plummer Associates, Inc Company	June 23, 2021 Date	
STATEMENT OF QUALIFICATIONS		Plummer	31

ATTACHMENT C - REFERENCES

Provide three (3) references, that the Respondent has provided goods/services to within the past three (3) years. The contact person named should be familiar with the day-to-day management of the contract and be willing to respond to questions regarding the type, level, and quality of service provided.

REFERENCE ONE			
Firm/Company Name:	City of San Marcos		
Contact Person and Title	Laurie Moyer		
Address:	630 East Hopkins DOE, San Marcus, TX 78666		
Telephone No:	512.393.8132		
Email:	lmoyer@sanmarcostx.gov		
Scope of Work:	Direct Potable Reuse Evaluation		
Contract Period:	2017		
Annual dollar value of contract:	\$90,500		

REFERENCE TWO			
Firm/Company Name:	San Antonio Water System		
Contact Person and Title	Gregg Eckhardt, Senior Analyst		
Address:	P.O. Box 2449, San Antonio, TX 78298		
Telephone No:	210.233.3423		
Email:	gregg.eckhardt@saws.org		
	Water quality regulatory support for the Mitchell Lake		
Scope of Work:	Wetlands mitigation project		
Contract Period:	2017- Current		
Annual dollar value of contract:	\$200,000		

REFERENCE THREE			
Firm/Company Name:	City of Round Rock		
Contact Person and Title	David Freireich		
Address:	2008 Enterprise Dr., Round Rock, TX 78664		
Telephone No:	512.671.2756		
Email:	dfreireich@roundrocktexas.gov		
Scope of Work:	Brushy Creek Wastewater Treatment Plant Expansion		
Contract Period:	2017 - Current		
Annual dollar value of contract:	\$2,981,990		

ATTACHMENT D- CONFLICT OF INTEREST QUESTIONNAIRE

CONFLICT OF INTEREST QUESTIONNAIRE -

FORM CIQ

For vendor or othe	er person doing busi	iness with local	governmental e	entity
This questionnaire	reflects changes ma	ade to the law b	ov H.B. 23, 84th	Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local government entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. See Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

Name of vendor who has a business relationship with local governmental entity. 1 2 Check this box if you are filing an update to a previously filed questionnaire. (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.) 3 Name of local government officer about whom the information in this section is being disclosed. Name of Officer This section, (item 3 including subparts A, B, C & D), must be completed for each officer with whom the vendor has an employment or other business relationship as defined by Section 176.001(1-a), Local Government Code. Attach additional pages to this Form CIQ as necessary. A. Is the local government officer named in this section receiving or likely to receive taxable income, other than investment income, from the vendor? Yes N_0 Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the direction of the local government officer В. named in this section AND the taxable income is not received from the local governmental entity? Yes | No C. Is the filer of this questionnaire employed by a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership of one percent or more? Yes \rfloor_{N_0} Describe each employment or business and family relationship with the local government officer named in this section. D. 4 I have no Conflict of Interest to disclose. 5 June 23, 2021 Signature of vendor doing business with the governmental entity Date

ATTACHMENT E- SMALL, WOMEN HUBZONE, DISADVANTAGED BUSINESSES

Please complete the following information, if your business falls into any of the below categories, using the size regulations as set forth on the Small Business Association's website, http://www.sba.gov/size/. Businesses must be at least 51% minority-owned, woman-owned, veteran owned, or service disabled veteran owned for designation to apply. Historically Underutilized Businesses or Disadvantaged Business Entities must be certified by state or regional agency for these designations to apply.

The River Authority encourages all businesses that fall into the categories listed below to become certified by the South Central Texas Regional Certification Agency. For more information, please contact 210-227-4722 or www.sctrca.org.

- Firm Name: Plummer Associates, Inc.
- Check all that Apply:
- □ Small Business Entity □ S
- □ Minority Owned Business Entity
- □ Veteran Owned Business Entity
- Service Disabled Veteran Owned Business Entity
- □ Small Disadvantaged Business Entity
- □ Woman Owned Business Entity
- □ HUBZone Business Entity

□ Other

- Business Entity
- Is your firm certified by an Agency?
 - X No
 - \Box Yes, if yes, name of agency(ies) certified by:
- Check the answer that applies to your organization for the following statements:
 - The company and/or its principals \Box are \boxtimes are not presently debarred, suspended, or determined to be ineligible for an award of a contract by a Federal Agency.
 - The company and/or its principals \boxtimes comply \square does not comply with the non-segregated facilities in accordance with FAR 52.222-21.

Under 15 U.S.C. 645(d), any person who misrepresents its size status shall (1) be punished by a fine, imprisonment, or both; (2) be subject to administrative remedies; and (3) be ineligible for participation in programs conducted under the authority of the Small Business Act. As prescribed in FAR 19.301(d), the U.S. Government may impose a penalty against a firm misrepresenting its business size and/or disadvantaged status for the purpose of obtaining a procurement award. The information contained herein is complete and accurate in all details to the best of my knowledge and belief.

Signature of Authorized Official

<u>Rex Hunt, PE</u>	Principal	<u>June 23, 2021</u>
Printed Name	Title	Date

- 1. The Respondent represents that it _____ is, ____ is not a small business concern.
- 2. Complete only if Respondent represents itself as a small business concern in question 1.) The Respondent represents that it ______ is, _____ is not, as small disadvantaged business concern as defined in 13 CFR 124.1002.
- 3. (Complete only if Respondent represents itself as a small disadvantaged business concern in question 2.) The Respondent shall check the category in which its ownership falls:
 - Black American
 - □ Hispanic America
 - □ Native American (American Indians, Eskimo, Aleuts, or Native Hawaiians)
 - Asian-Pacific American (persons with origins from Burma, Thailand, Malaysia, Indonesia, Singapore, Brunei, Japan, China, Taiwan, Laos, Cambodia (Kampuchea), Vietnam, Korea, The Philippines, U.S. Trust Territory of the Pacific Islands (Republic of Palau), Republic of the Marshall Islands, Federated States of Micronesia, the Commonwealth of the Northern Mariana Islands, Guam, Samoa, Macao, Hong Kong, Fiji, Tonga, Kiribati, Tuvalu, or Nauru).
 - □ Subcontinent Asian (Asian-Indian) American (persons with origins from India, Pakistan, Bangladesh, Sri Lanka, Bhutan, the Maldives Islands, or Nepal).
 - □ Individual/concern, other than one of the preceding.
- 4. The Respondent represents that it _____is, ____is not a women-owned small business concern.
- 5. The Respondent represents that it _____ is, $\frac{X}{}$ is not a veteran-owned small business concern.
- (Complete only if Respondent represents itself as a veteran-owned business concern in question b.5.) The Respondent represents that it _____ is, _____ is not a service-disabled veteran-owned small business concern.
- 7. The Respondent represents that:
 - A. It ______ is, ____ is not a HUBZone small business concern listed, on the date of this representation, on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration, and no material change in ownership and control, principal office, or HUBZone employee percentage has occurred since it was certified by the Small Business Administration in accordance with 13 CFR part 126; and
 - B. It ______ is, _____ is not a joint venture that complies with the requirements of 13 CFR part 126, and the representation in paragraph (b)(6)(i) of this provision is accurate of the HUBZone small business concern or concerns that are participating in the joint venture. Enter the name or names of the HUBZone small business concern or concerns that are participating in the joint venture: _______. Each HUBZone small business concern participating in the joint venture

shall submit a separate signed copy of the HUBZone representation.

ATTACHMENT F -ACKNOWLEDGMENT

The undersigned agrees this submission becomes the property of the San Antonio River Authority (River Authority) after the official opening.

I understand that my submission may be treated as a public record under the Texas Public Information Act. I have marked pages that I consider to be confidential as "confidential." I further **INDEMNIFY AND HOLD HARMLESS** the River Authority for the release of any portion of my information, as may be required by law.

The undersigned affirms he has familiarized himself with the specification, drawings, exhibits and other documents; the local conditions under which the work is to be performed; satisfied himself of the conditions of delivery, handling and storage of materials and equipment; and all other matters that will be required for the work before submitting a response.

The undersigned agrees, if this submission is accepted, to furnish any and all items/services upon which prices are offered, at the price(s) and upon the terms and conditions contained in the specification. The period for acceptance of this submission will be 120 calendar days unless a different period is noted.

The undersigned affirms that they are duly authorized to execute this contract, that this submission has not been prepared in collusion with any other Respondent, nor any employee of the River Authority, and that the contents of this submission have not been communicated to any other Respondent or to any employee of the River Authority prior to the acceptance of this submission.

Respondent hereby assigns to the River Authority any and all claims for overcharges associated with this contract which arise under the antitrust laws of the United States, 15 USCA Section 1 <u>et seq</u>., and which arise under the antitrust laws of the State of Texas, Tex. Bus. & Com. Code, Section 15.01, <u>et seq</u>.

The undersigned affirms that they have read and do understand the specifications, all exhibits and attachments contained in this solicitation package.

The undersigned agrees that the solicitation package posted on the website are the official specifications and shall not alter the electronic copy of the solicitation package, without clearly identifying changes.

The undersigned understands they will be responsible for monitoring the River Authority Purchasing Website at: <u>purchasing.sara-tx.org</u> to ensure they have downloaded and acknowledged all addendum(s) required for submission with their response.

I certify that I have made no willful misrepresentations in this submission, nor have I withheld information in my statements and answers to questions. I am aware that the information given by me in this submission will be investigated, with my full permission, and that any misrepresentations or omissions may cause my submission to be rejected.

In submitting a response to the River Authority, the responder offers and agrees that if the response is accepted, the responder will convey, sell, assign or transfer to the River Authority all rights, titles and interest in and to all causes to action it may now or hereafter acquire under the Anti-trust laws of the United States and the State of Texas for price fixing relating to the particular commodities or services purchased or acquired by the River Authority. At the River Authority's discretion, such assignment shall be made and become effective at the time the River Authority tenders final payment to the responder.

Acknowledge receipt of following addenda to the solicitation:

Addendum No 1 Dated <u>6/14/2021</u>	
Addendum No 2 Dated	
Addendum No 3 Dated	

NAME AND ADDRESS OF COMPANY:

6300 La Calma, Suite 400

Austin, Texas 78752

Tel. No. <u>512.452.5905</u>

Received <u>6/14/2021</u>	
Received	
Received	

AUTHORIZED REPRESENTATIVE: Signature //

Date <u>June 23, 2021</u>

Name <u>Rex Hunt</u>

Title Principal

Email rhunt@plummer.com

D. EXPERIENCE AND RESOURCES

1. BACKGROUND OF RESPONDENT AND SUPPORT PERSONNEL

PLUMMER Founded in 1978, Plummer's staff of over 170 engineering and scientific professionals in the time. scientific professionals is dedicated to the planning and design of water supply and infrastructure. Water is what we do every day.

From water supply and water reuse studies to water and wastewater master plans, Plummer's water planners provide the information and analysis needed to make prudent investments in water infrastructure. Plummer evaluates future needs, identifies supply and infrastructure alternatives to serve those needs, and helps select the best alternatives. Over the past five cycles of regional water planning in Texas, Plummer has participated in the development of 20 Regional Water Plans in six regions across the State.

FREESE

Founded in 1894, Freese and Nichols' 950+ employees plan, design, and manage infrastructure projects with a focus on quality, as well as innovative and sustainable solutions. A significant majority of FNI's work relates to water in Texas, and the company's water planning expertise is well-respected across the State. FNI's water planning services in Texas are led by a dedicated group of 13 water resources planners who have been involved in SB 1 regional water planning since the program's inception.

INTERA INTERA is a Texas corporation with over 200 engineers and scientists (50 in Texas) focused on developing practical, reliable, and sustainable solutions to water resource and environmental challenges. INTERA brings more than 20 years of experience working with the TWDB, Groundwater Conservation Districts (GCDs) throughout the state, and Groundwater Management Areas (GMAs).

Blanton & Associates

Blanton & Associates, Inc. is a woman-owned, historically underutilized business certified environmental consulting firm based in Austin, Texas, with offices in San Antonio and Houston. Incorporated in 1997, B&A's staff of 90 scientists, environmental planners, cartographers, and public involvement experts provide a broad range of environmental consulting, planning, and project management services with a focus on natural and cultural resources and regulatory compliance/ permitting for environmental and water management projects in Texas and throughout the United States.



REX HUNT, PE Project manager

YEARS EXPERIENCE: 45 | YEARS WITH FIRM: 23

Rex Hunt is a principal and Water Quality/Permitting Practice Leader for Plummer. He has gained a wide variety of environmental and civil engineering project experience in his 45-year career in environmental and civil engineering. Rex's career is focused on water quality regulatory support and regional water planning, including development and assessment of water supply management strategies, drought planning and management, surface water quality, and water reuse. FIRM

Plummer Associates, Inc.

EDUCATION

MS, Civil Engineering, The University of Texas at Arlington BS, Civil Engineering, The University of Texas at Austin

REGISTRATIONS

Professional Engineer, Texas, No. 48237

Rex brings significant expertise to the 6th cycle regional water plan for Region K, having worked on multiple regional water planning teams in Texas since the 2nd cycle of regional planning. Rex has led the Technical Consulting Team Region I for the last three cycles.

PROJECT EXPERIENCE

REGIONAL WATER PLAN - REGION I

Rex has managed the technical consulting team for Region I since 2007. He has been responsible for preparing three plans during that time (third, fourth, and fifth cycles). Taken in total, regional water planning in Texas is an almost continuous effort, requiring analysis of population and water demand data; water conservation plans; surface water and groundwater supply availability; and numerous environmental and regulatory factors that influence the planning process.

Rex successfully led the Region I Technical Consulting Team in the identification and evaluation of water management strategies to meet identified needs during the planning horizon. In the most recent rounds (2016 and 2021 Plans, he led the team in prioritizing water management strategies in accordance with State rules regarding funding and prioritizing strategies. Rex has taken an active role in evaluation of the environmental impacts associated with water management strategies strategies and development of legislative and agency recommendations.

REGIONAL WATER PLAN - REGION B

Rex served as Project Manager for Plummer's role in this region during the first two cycles of planning. He was responsible for preparing a summary of existing planning efforts in the region, assisting with development of drought management plans for over 50 communities in the region, and development of the region's response to the State's program for unique stream segments and reservoir sites. In addition, he assisted with developing strategies for municipal water management and preparing general recommendations for selecting water management strategies for inclusion in the plan. In the second round of planning, Rex assisted with a comprehensive evaluation of irrigation practices and potential water conservation for one of the regions major water providers of irrigation water via canals. The evaluation required analyzing water use data, evaporation rates, seepage potential, and end-of-canal spill rates. The evaluation proposed improvements in the canal distribution system to reduce losses and a change in the approach to sales of water from cost per acre irrigated per year to a metered approach.

STATEMENT OF QUALIFICATIONS

Plummer | Resumes 38



STEPHANIE MOORE, PG Strategy identification & development, groundwater & conjunctive management

YEARS EXPERIENCE: 23 | YEARS WITH FIRM: 1

Stephanie is a Hydrologist and licensed Professional Geoscientist with experience in water resources, including eight years with the Federal Government and 15 years as a consultant working for governmental agencies and nonprofit organizations. She has a solid technical foundation in quantitative, computational hydrogeology; designing, executing and managing complex scientific investigations and long-term monitoring plans; data management and quality assurance; statistical analysis; data interpretation; FIRM

INTERA

EDUCATION

MS, Earth and Planetary Sciences (Hydrogeology Track), University of Mexico

BS, Environmental Sciences, Texas Christian University

REGISTRATIONS

Professional Geoscientist, Texas, No. 11727

and report writing. Stephanie is skilled in project management, strategic planning, team building, effective communication with diverse groups of varying technical backgrounds, and providing high-quality products on time and within budget.

PROJECT EXPERIENCE

REGIONAL WATER PLAN UPDATE, SOUTH CENTRAL TEXAS REGIONAL WATER PLANNING GROUP (REGION L)

Participated in and provided technical support for the 5th Cycle of the comprehensive regional planning process for Region L. Evaluated groundwater management strategies to address the short- and long-term needs for member entities and cumulative effects of strategies. Served as technical resource to stakeholder planning process and member entities.

CROSS TIMBERS AQUIFER CONCEPTUAL MODEL, TEXAS WATER DEVELOPMENT BOARD

Assistant project manager for the Cross Timbers Aquifer was declared a minor aquifer in December 2017. Ms. Moore was Assistant Project Manager for the TWDB to construct a threedimensional conceptual model that will serve as the basis for the groundwater flow model. The purpose of the conceptual model is to describe the best understanding of how groundwater moves through the aquifer system. Project goals included compilation and analysis of data related to the physiography and climate, geology and aquifer extent, hydrostratigraphy, water levels, regional groundwater flow, hydraulic properties, recharge, rivers and surface water information, and water quality of the study area.

WATER AUDIT AND CONSERVATION STUDIES, NORTH AMERICAN DEVELOPMENT BANK

Project manager for comprehensive water audits for two separate projects for the City of Lyford and the City of Carrizo Springs. Projects were funded by NADBank and the US Environmental Protection Agency. The water audits included rate studies for water and sewer utilities as well as conservation plans. The goal of the water audits was to improve the Cities' operational and financial sustainability by estimating revenue versus non-revenue water and to distinguish real and apparent losses using the water accounting technique based on the American Water Works Association (AWWA) water balance model. Coordinated all communication, data collection and interpretation, and training events for City staff and NADBank partners.



JASON AFINOWICZ, PE POPULATION & WATER DEMAND PROJECTIONS, CONSERVATION, REUSE, ALTERNATIVE SUPPLY YEARS EXPERIENCE: 17 YEARS WITH FIRM: 10

Jason is a Water Resource Planning Practice Leader for Freese and Nichols. He has a wide variety of water resource planning experience, including leadership in the Region H Water Plans since 2006 round of planning, as well as experience supporting the FNI team contributing to half of Texas's 16 Regional Water Planning Areas. His technical experience includes the development of long-term demand projections for municipal, industrial, and agricultural use, development, and evaluation of water management

FIRM

Freese & Nichols

EDUCATION

MS, Biological and Agricultural Engineering, Texas A&M University

BS, Agricultural Engineering, Texas A&M University

REGISTRATIONS

Professional Engineer, Texas, No. 100102

strategies including water rights development, infrastructure, conservation, and development of reclaimed water strategies. Jason is currently engaged in water planning for the Capital Area Ground Water Conservation Commission in Louisiana. He has also assisted in the development of water conservation and drought contingency plans for various wholesale water providers and provided a long-range evaluation of potential water supply alternatives.

PROJECT EXPERIENCE

TEXAS REGIONAL WATER PLANNING 2021, TEXAS WATER DEVELOPMENT BOARD

FNI has played an integral role in Texas regional water planning since its inception under the state law known as SB 1. For 2021, the fifth round of updates, FNI is working with eight of the 16 regions, as prime consultant for Regions A, C, F and H and as a subconsultant for Regions B, E, G and I. Jason is assistant project manager for Region H.

JOINT REGULATORY PLAN REVIEW | HARRIS-GALVESTON SUBSIDENCE DISTRICT

Jason is a project engineer for the Harris-Galveston Subsidence District to update regional planning related to subsidence in the context of new data related to aquifer science, future water demands and the availability of alternative water supplies. The multiphase project includes the development of long-term population and water demands to the year 2100, evaluation of potential alternative water supplies, consideration of regulatory conversion scenarios, groundwater and subsidence modeling and extensive coordination and stakeholder outreach.

EVALUATION OF PROJECTED POPULATION AND WATER DEMANDS IN FORT BEND | FORT BEND SUBSIDENCE DISTRICT

Jason is a project manager for the evaluation of population and water demand projections prepared for the District's 2013 Regulatory Plan Update. Population and demand projections were previously developed based on 2010 Census data using an econometric projection model supplemented with development-level projections. This study compared these projections with data from The U.S. Census American Community Survey (ACS), Texas Water Development Board, Houston-Galveston Area Council, and the District to evaluate the performance of this methodology compared against the various baselines. Specific recommendations were made for improvements to the methodology in future iterations.



VELMA DANIELSON OUTREACH & PUBLIC INVOLVEMENT, GROUNDWATER & CONJUNCTIVE MANAGEMENT

YEARS EXPERIENCE: 32 | YEARS WITH FIRM: 8

Velma's experience is principally in the fields of groundwater management, water resources, and organizational management and administration, with specialties in coordination and management of multidisciplinary projects FIRM

Blanton & Associates

EDUCATION

MPA, Public Affairs, University of Texas at Austin

BA, Political Science, Texas Lutheran University

and organizations. Velma spent over 20 years with the Edwards Aquifer Authority and retired as General Manager in 2010 before joining B&A in 2013. Over her 30 plus year career, she has managed and directed multi million dollar efforts related to water resources and management.

PROJECT EXPERIENCE

ALLIANCE REGIONAL WATER AUTHORITY PHASE 1B PROGRAM

Velma leads the team providing all constraints analyses, permitting strategies, regulatory analyses, environmental assessments, site assessments and other environmental services necessary for five transmission lines, eight delivery points, one new Water Treatment Plant site, one Booster Pump Station and an Administrative Building that comprise the initial phase of infrastructure to produce, treat, and deliver a new source of water to Alliance Water's Sponsors (City of Kyle, City of Buda, City of San Marcos, and Canyon Regional Water Authority). The projects are moving forward contemporaneously and are funded through the Texas Water Development Board (TWDB) State Water Implementation Fund (SWIFT).

GMA 8 JOINT PLANNING COMMITTEE, TX, THIRD ROUND OF JOINT PLANNING TO ESTABLISH DESIRED FUTURE CONDITIONS

The team of WSP USA and B&A are providing the GMA 8 Joint Planning Committee with technical and policy assistance to complete the third round of joint planning to establish DFCs as required by the Texas Water Code. The team is assisting GMA 8 with regulatory and compliance analysis, and hydrogeology and other technical evaluations to support them as they consider and ultimately adopt DFCs for the aquifers in the management area, as applicable, and submit an explanatory report to the TWDB as required by the Texas Water Code. Velma is leading B&A's professionals on the WSP Team.

REGION 13, NUECES REGIONAL FLOOD PLANNING GROUP

B&A is on a team of professionals led by HDR Engineering, Inc., that is serving as the technical consultants to the Region 13 Nueces Regional Flood Planning Group. Velma is leading B&A's public involvement and outreach support, GIS and database management services, and environmental analyses and assessments.

REGION 11 GUADALUPE REGIONAL FLOOD PLANNING GROUP

B&A is on a team of professionals led by Freese & Nichols, Inc., that is serving as the technical consultants to the Region 11 Guadalupe Regional Flood Planning Group. Velma is leading B&A's public involvement and outreach support, and environmental analyses and assessments.



MARY PORTILLO, PE, PMP PROJECT PRINCIPAL

YEARS EXPERIENCE: 22 | YEARS WITH FIRM: 2

Mary has 22 years of experience in water and wastewater engineering evaluations, design, construction and project management. As the South Texas Area Leader, she is responsible for client satisfaction as well as staffing assignments. She has the authority to assign staff as needed to respond to clients' needs. Mary has been trusted with responsibility for multi-million-dollar design and construction services contracts and has a track record of delivering projects on time and within budget.

FIRM

Plummer Associates, Inc.

EDUCATION

MS, Civil Engineering, Colorado State University

BS, Civil Engineering, Colorado State University

REGISTRATIONS

Professional Engineer, Texas, No. 94754

PROJECT EXPERIENCE

EAST AND WEST BASINS PLANNING CONSULTANT, SAN ANTONIO WATER SYSTEM PROJECT 29, SAN ANTONIO RIVER AUTHORITY MITCHELL LAKE, SAN ANTONIO WATER SYSTEM



ROBERT ADAMS, DE, PE QUALITY ASSURANCE/QUALITY CONTROL

YEARS EXPERIENCE: 42 | YEARS WITH FIRM: 15

Robert has been involved in implementing some of the most unique water supply developments in the state including participation in permitting the first aquifer storage and recovery (ASR) system for conjunctive management of surface water and groundwater, implementation of a major water reuse project involving wetland treatment, design of the first water quality wetland that was approved for mitigation banking credits, and design of a treatment wetland for polishing industrial wastewater.

PROJECT EXPERIENCE

REGIONAL WATER PLAN - REGION B REGIONAL WATER PLAN—REGION K, LOWER COLORADO REGIONAL WATER PLAN—REGION M, RIO GRANDE

FIRM

Plummer Associates, Inc.

EDUCATION

DE, Engineering, Texas A&M University

ME, Agricultural Engineering, Texas A&M University

BS, Agricultural Engineering, Texas A&M University

REGISTRATIONS

Professional Engineer, Texas, No. 65684



Philip is a Project Manager in Freese and Nichols' Water Resources Group. As a Project Engineer for the 2011, 2016, and 2021 Region H Regional Water Plans and the 2011 Region P Regional Water Plan, Philip has been heavily involved with the projection of demands, analysis of water supplies and supply reliability, evaluation of management strategies, database coordination, and stakeholder involvement. He has also assisted in the development of water conservation and drought contingency plans for FIRM

Freese & Nichols

EDUCATION

MS, Biological and Agricultural Engineering, Texas A&M University

BS, Biological Systems, Texas A&M University

REGISTRATIONS

Professional Engineer, Texas, No. 108912

various wholesale water providers and provided long range evaluations of potential water supply alternatives. He is experienced in water supply planning, hydrologic analysis, surface water supply modeling and water supply accounting plan development.

PROJECT EXPERIENCE

TEXAS REGIONAL WATER PLANNING 2021, TEXAS WATER DEVELOPMENT BOARD JOINT REGULATORY PLAN REVIEW, HARRIS GALVESTON SUBSIDENCE DISTRICT



CYNTHIA SYVARTH, PE STRATEGY IDENTIFICATION & DEVELOPMENT

YEARS EXPERIENCE: 8 | YEARS WITH FIRM: 8

Through participation in two rounds of regional water planning in Texas, Cynthia is well versed in all aspects of the State process. She has gained valuable insight and understanding of water planning and water quality regulations and guidance at a local and state level. This insight helps guide her in the process of working with stakeholders, regional water planning members, and the

FIRM

Plummer Associates, Inc.

EDUCATION

BS, Civil Engineering, The University of Texas at Austin

REGISTRATIONS

Professional Engineer, Texas, No. 125579

T WDB to achieve the goals of the regional water planning process. Cynthia is experienced water demand evaluation, water management strategy identification and evaluation, water conservation planning, environmental issues associated with water supply strategies, and prioritization of water management strategies in accordance with TWDB requirements.

PROJECT EXPERIENCE

REGIONAL WATER PLAN - REGION I REGIONAL WATER PLAN, REGION B REGIONAL WATER PLAN, REGION M



SPENCER SHNIER, PHD, PE, ENV SP SURFACE WATER RESOURCES

YEARS EXPERIENCE: 11 | YEARS WITH FIRM: 8

Spencer is a Water Resources Engineer with wide variety of experience in water resources modeling and statistical analysis. His PhD at the University of Illinois focused on determination of variables important to fisheries and using machine learning techniques to predict streamflow in ungauged basins. He has taken the lead on regional water planning efforts with environmental flow components, especially when significant modeling or data analysis is involved. Spencer has extensive experience with the WRAP and WAM in Texas, and modeling reservoir systems in Riverware. He has provided surface water availability modeling support for Regional Water Plans in Regions A, C, E, F, G and I.

PROJECT EXPERIENCE

FIRM

Freese & Nichols

EDUCATION

PhD, Civil Engineering, University of Illinois at Urbana-Champaign

MS, Civil Engineering, Texas A&M University

BS, Geography, University of Texas at Austin

REGISTRATIONS

IRM

Professional Engineer, Texas, No. 126290

Envision Sustainability Professional

TEXAS REGIONAL WATER PLANNING 2021, TEXAS WATER DEVELOPMENT BOARD WATER SUPPLY RESILIENCY PLAN PHASE I, NORTH TEXAS MUNICIPAL WATER DISTRICT



EDDIE WILCUT	F
CONSERVATION, REUSE, ALTERNATIVE SUPPLY	Р

YEARS EXPERIENCE: 23 | YEARS WITH FIRM: 8

Since 1998, Eddie has worked extensively within the water conservation arena. From 1998 to 2009, Eddie served as the Water Conservation Manager for the San Antonio Water System (SAWS), where he helped to develop one of the most effective and aggressive water conservation

Texas State University

programs in the United States. Eddie has published more than two dozen articles on residential, commercial, and industrial water conservation, covering such topics as condensate recovery, cooling tower efficiency, rainwater harvesting, and ICI program development that have been published in a variety of trade journals and conference proceedings across the U.S.

PROJECT EXPERIENCE

WATER AUDITS FOR INDUSTRIAL, COMMERCIAL & INSTITUTIONAL FACILITIES (2012 THROUGH 2017), DALLAS WATER UTILITIES

WATER AUDITS FOR INDUSTRIAL, COMMERCIAL & INSTITUTIONAL FACILITIES (2013 THROUGH 2018), CITY OF FORT WORTH, TX

WATER CONSERVATION FIVE-YEAR STRATEGIC PLAN, CITY OF DALLAS



CECILIA GREEN ENVIRONMENTAL ASSESSMENT

YEARS EXPERIENCE: 41 | YEARS WITH FIRM: 7

Cecilia has over 40 years of consulting experience in environmental sciences and planning, including natural resources baseline investigations, endangered and FIRM

Blanton & Associates

EDUCATION

BA, Botany, University of Texas at Austin

threatened species surveys, waters of the U.S. and wetland determinations, environmental impact assessment, permitting and regulatory compliance, and management of complex multi-disciplinary projects. She has managed, directed, and/or served as senior advisor or quality assurance and quality control (QA/QC) manager on a range of projects, including water resources, flood control, water and wastewater infrastructure, surface mining, electric transmission, power generation, wind power, transportation, ports and terminals, and land development. She has led interdisciplinary project teams in National Environmental Policy Act compliance and has served as QA/QC reviewer and senior advisor on complex environmental projects.

PROJECT EXPERIENCE

NUECES REGIONAL FLOOD PLAN GUADALUPE REGIONAL FLOOD PLAN ALLIANCE REGIONAL WATER AUTHORITY PHASE 1B PROGRAM



MARK EVANS FUNDING SUPPORT

YEARS EXPERIENCE: 21 | YEARS WITH FIRM: 2

Mark serves as Freese and Nichols' Funding Specialist, providing technical assistance to Freese and Nichols staff and clients on multiple funding alternatives, including low interest loans, grants, disaster relief and hazard mitigation

FIRM

Freese & Nichols

EDUCATION

BS, Business Administration, Finance, University of Texas at Austin

type funding programs for water, wastewater and stormwater opportunities. Mark has extensive experience with mapping out traditional and disaster response emergency relief funding strategies that involves both grant (principal forgiveness) and low-to-zero-interest loans to assist clients with building needed infrastructure projects as quickly as possible. These strategies are customized for each client based on their constraints and long-term development goals. In the last two years, Mark has worked on more than 20 projects funded by agency programs and has assisted clients in accessing more than \$355 million in funding.

PROJECT EXPERIENCE

TEXAS WATER DEVELOPMENT BOARD FUNDING APPLICATION, CITY OF ALEDO REGIONAL FLOOD STUDIES - CENTRAL REGION, TEXAS GENERAL LAND OFFICE PORT ARTHUR MAIN WWTP IMPROVEMENTS, CITY OF PORT ARTHUR

OTHER KEY PERSON	NEL		
NAME	FIRM Total years Years with firm	ROLE	RELEVANT EXPERIENCE
Simone Kiel, PE (#93615)	FNI 38 Total 10 with Firm	Quality Assurance/Quality Control	 Region A Water Supply Plan, Panhandle Regional Planning Commission Texas Regional Water Planning 2021, Texas Water Development Board
Van Kelley, PG (#4923)	INTERA 38 Total 36 with Firm	Quality Assurance/Quality Control	 Evaluation of Aquifer Storage and Recovery in the Edwards and Northern Trinity aquifers, City of Georgetown Regulatory Plan Development, Harris Galveston Subsidence Districts
Jasmine Gardner	B&A 15 Total 13 with Firm	Outreach & Public Involvement	- Downtown 10 from Executive Center Boulevard to FM 478 (Copia Street - I-10 Corridor Study from New Mexico State Line to FM 3380 (M.F. Aguilera Road) aka "Re-Imagine I-10"
Dexter May, PE (#131425)	Plummer 7 Total 7 with Firm	Population & Water Demand Projections; Strategy Identification & Development	 East Texas Regional Water Planning Area Fifth Cycle Regional Water Plan Region B Regional Water Planning Area Fifth Cycle Regional Water Plan Region C Regional Water Planning Area Fifth Cycle Regional Water Plan
Pamela Rhyner, PE (#134463)	INTERA 11 Total >1 with Firm	Water Supply Evaluation	 Austin Water City-Wide Water Distribution Hydraulic Modeling Austin Water Operation Risk Assessment Model & Demand Forecasting
Ellen McDonald, PhD, PE (#84731)	Plummer 34 Total 22 with Firm	Water Supply Evaluation; Conservation, Reuse, Alternative Supply	 2006, 2011,2016 AND 2021 Region C Plan Updates, Freese& Nichols Water Supply Engineering Feasibility Study, City of San Angelo Hamby WTP Indirect Reuse, City of Abilene
Steve Young, PhD, PG, PE	INTERA 36 Total 11 with Firm	Groundwater & Conjuntive Management	- Update of the Carrizo-Wilcox, Queen City, and Sparta Groundwater Availability Model for Groundwater Management Area 12, Texas Water Development Board
Lissa Gregg, PE, CFM, ENV SP (#126454)	FNI 8 Total 8 with Firm	Surface Water Resources	- Texas Regional Water Planning 2021, Texas Water Development Board - Long Range Water Supply Plan, North Texas Municipal Water District
Jorge Arroyo, PE (#74211)	FNI 41 Total 7 with Firm	Conservation, Reuse, Alternative Supply	- Brackish Groundwater Desalination (Study, Funding, Piloting), North Alamo Water Supply Corporation
Alicia Reinmund	B&A 25 Total 1 with Firm	Environmental Assessment	 GMA 9 Third Round of Joint Planning to Establish Desired Future Conditions GMA 8 Third Round of Joint Planning to Establish Desired Future Conditions
David Buzan	FNI 43 Total 6 with Firm	Bays & Estuaries	- Bahia Grande Rookery Island and Wetland Restoration Preliminary Design, U.S. Fish and Wildlife Service

STATEMENT OF QUALIFICATIONS

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2. KEY MEMBERS CURRENT WORKLOAD AND REGIONAL WATER PLAN PROJECTS

While regional water planning is not underway in Texas at this time, Plummer Team members have been selected to work either in the lead or as subconsultants on the 6th cycle of regional water planning in the following regions: A, B, C, E, F, G, H, I, and O. Following is a matrix of key team members and the anticipated amount of time each will devote to work in these regions in the coming cycle of planning.

	% TIME ALLOCATED IN 6TH CYCLE										
TEAM MEMBER	0	THE	R P	LA	NNING REGIONS				S	OTHER	REGION L
	A	B	C	Ε	F	G	H		0	PROJECTS	AVAILABILITY*
Rex Hunt, PE		<5	<5			15		5		10	30
Mary Portillo, PE		<5	<5					<5		15	10
Robert Adams, DE, PE		15	<5			<5		<5		25	10
Simone Kiel, PE	25	5	25		5			10		15	15
Van Kelley, PG	<5						<5		<5	65	5
Velma Danielson										70	15
Jasmine Gardner										80	20
Jason Afinowicz, PE							10			75	15
Dexter May, PE		15	10			20		15		10	20
Philip Taucer, PE							25			35	15
Pamela Rhyner, PE										90	10
Ellen McDonald, PhD, PE		<5	<5			5		5		25	10
Cynthia Syvarth, PE		5	5			10		30		20	20
Stephanie Moore, PG	5						5			70	15
Steve Young, PhD, PG							5			75	10
Spencer Schnier, PE	10		5	5	5		25	1		24	25
Lissa Gregg, PE			5		25					50	20
Eddie Wilcut		<5	<5		5			<5		30	10
Jorge Arroyo, PE										85	15
Cecilia Green										50	10
Alicia Reinmund										85	10
Mark Evans										80	5
Dave Buzan										90	10

*Workload for Region L will be assigned as the schedule requires. This column indicates availability for Region L.

Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning #00219 3. ORGANIZATIONAL CHART


4. SPECIFIC EXPERIENCE WITH PUBLIC ENTITY CLIENTS

The Plummer Team has extensive experience with large municipalities, river authorities, municipal water districts and other water supply or water management districts throughout Texas. Our level of repeat business with such clients is very high (>85% overall and near 100% for regional water planning projects). Following is a select list of large water clients we serve in Texas.

CLIENT NAME	PLUMMER	FNI	INTERA	B&A
Nueces River Authority	۵			۵
Guadalupe-Blanco River Authority	٠	•	•	٠
San Antonio Water System	٠	٠	•	٠
New Braunfels Utilities	۵.	٠	•	۵
Cibolo Creek Municipal Authority	٠			
City of San Marcos	٠	•		٢
City of New Braunfels	۲	٠		
City of San Antonio	٠	•		٠
Austin Water Utility	۲	٠	•	٠
City of Corpus Christi	۵.	٠		۵
Lower Colorado River Authority		٠	•	
Trinity River Authority	٠	•		٠
City of Fort Worth	۲	٠		٠
City of Arlington	٠	•		٠
City of Dallas	۵	٠		
Harris Galveston and Fort Bend Subsidence Districts		•	•	
City of Houston	۵	٠	•	
Tarrant Regional Water District	٠		•	
Alliance Water	٠	٠		٠

We are proud to serve the River Authority as well. Following is a list of projects each team member has provided to the River Authority and the Department for whom the services were provided.

FIRM	PROJECT NAME	DEPARTMENT
IER	Project 29 (18-36" Wastewater Line)	Engineering/Utilities
PLUMMER	Utility Optimization Development	Utilities
PL	SWOT Analysis of Treatment and Collection Operations	Finance and Utilities
	Brooks Development Authority Green Stormwater Infrastructure Placement Guidebook	Engineering
	Calaveras No. 7 Preliminary Spillway Repair	Engineering/WPO
	Concepción Creek Outfall Repairs	Engineering/WPO
	Confluence Park Entrance	Engineering/WPO
	Envision Certification	Engineering
=	Escondido Creek Parkway Cost Estimate	Engineering/WPO
FNI	IH 10 Sanitary Sewer Design and Relocation	Engineering/Utilities
	LID Roadway Research	Engineering
	Martinez Dams 1, 2 and 3 Rehabilitation	Engineering/WPO
	Martinez IV WWTP and Wastewater Collection System	Utilities
	Museum Reach Acoustics Feasibility Study	Engineering/WPO
	San Pedro Creek	Engineering
	San Pedro Creek Temporary Fountains	Engineering
B&A	Westside Creeks Alazan Trail Project	Watershed Engineering
ä	San Antonio Zoo Well Replacement Project	Engineering Design Construction

PLUMMER 5. PROPOSED TEAM WORKING TOGETHER ON PRIOR PROJECTS

The proof of a cohesive team of technical consultants is where they can be seen working together on projects. This cohesive team of technical consultants includes four of the State's outstanding planning consulting firms; focused on water, on planning for the future, on Region L. Plummer, FNI, INTERA, and Blanton are a dedicated team experienced in regional water planning and in working together. Following are three demonstrations of these qualities.

The matrix on the following page describes the 11 typical tasks required for Texas regional water planning projects and the regions in which one or more of the Plummer Team have worked. The matrix shows not only the geographical breadth of our team but also our depth into the many facets of planning.

	(CURRENT) REGIONAL WATER						}	REG	10	N					
	PLANNING TASKS	A	B	C	E	F	G	H		J	K	L*	M	0	P*
1	Description of the Regional Water Planning Area	٠	٠	٠		٠	٠	٠	٠						٠
2	Projected Municipal and Non-Municipal Water Demands"	٠	٠	٠		٠		٠	٠		٠				٠
3	Water Supply Analysis	٠	٠	٠	٠	٠		٠	٠	٠	٠	٠	٠	٠	٠
4	Identification of Water Needs	٠	٠	٠	٠	٠		٠	٠		٠		٠		٠
5	Identification/Evaluation of Water Management Strategies; Conservation Recommendations	٠	٠	٠	٠	٠	٠	٠	٠	٠	٠	٠	٠	٠	٠
6	Impacts of the Plan and Consistency with Resources	٠	٠	٠		٠		٠	٠	٠	٠	٠		٠	٠
7	Drought Response Information, Activities, and Recommendations	٠	٠	٠		٠		٠	٠						٠
8	Policy Recommendations and Unique Stream Segments/ Reservoir Sites	٠	٠	٠		٠		٠	٠				٠		٠
9	Infrastructure Financing Analysis	٠	٠	٠		٠		٠	٠						٠
10	Public Participation and Plan Adoption	٠	٠	٠	٠	٠	٠	٠	٠		٠		٠		
11	Implementation and Comparison to Previous Plan	٠	٠	٠		٠		٠	٠						
*	NOTE: Experience of proposed Plummer Team	sta	nff r	ner	nbe	er w	/hil	e at	t pr	evi	ous	en	plc	ye	r.

The map of Texas' water planning regions on the following page highlights the Plummer Team's planning experience across the State, both teamed and individually. Most importantly, the map shows just how long we have been assisting regional water planning areas complete their plans. FNI and Plummer, in particular, have served regions through all of the five cycles of regional water planning. It is a long association with the regions.

The Region L map on page 53 demonstrates the Plummer Team's familiarity with your region. We have long and close relationships with the river authorities, municipalities, water districts, groundwater conservation districts, and water providers throughout Region L. Our work in the region, whether individually or teamed, gives us a perspective that is crucial to successful regional water planning.

We believe our breadth, depth, and time in regional water planning coupled with our understanding of your region is the proof that the Plummer Team is the technical consultant for Region L.



STATEMENT OF QUALIFICATIONS





6. WORK ENVIRONMENT AND COMMUNICATION

The Plummer Team for Region L consists of more than 20 professionals whose qualifications are highlighted in the resume section. These individuals will lead the primary efforts for all tasks associated with the next cycle of planning. The core of this leadership includes Rex Hunt, Jason Afinowicz, Stephanie Moore, and Velma Danielson. We pledge our involvement with the planning process to benefit all stakeholders in the region. The effort will be led out of the Austin office by Rex Hunt. Team meetings will be As we do on all our projects, we will devote the resources necessary to get the job done.

conducted virtually and in person, as appropriate. The offices for each firm are fully equipped with current technology and communications capability, as necessary to support the regional water planning effort. Plummer relies on Microsoft Teams (screen share/phone calls), Unanet (project management), and Sharepoint as collaboration tools to work as a cohesive team while working remotely. Maintaining relationships with Plummer staff working on the Region L project and with other members of the Plummer Team is critical to continued success. To accomplish this, Rex will utilize the virtual meeting skills we have all learned in the past year to hold regular virtual "office hours" for the team where we can gather on a regular basis to discuss issues important to the process.

Rex has years of experience effectively managing remote teams. Good project planning is the best way to set a project on a path to success.

7. OTHER RESOURCES

The Plummer Team has significant resources in multiple offices and States. Each of the team members is based in Texas with most or all of their employees located within Texas. Below is a summary of each team members current employee count and number of offices. Rex Hunt, the Plummer Team Project Manager, will manage the Region L project from the Plummer office in Austin. Employees located in Plummer Team member offices in San Antonio, Houston, Fort Worth will support the Region L effort.

FIRM	TOTAL NUMBER OF EMPLOYEES	NUMBER OF OFFICES
Plummer	175	11
FNI	950	25
INTERA	200	15
B&A	94	3

EQUIPMENT AVAILABLE TO SUPPORT THE PROJECT

The Plummer Team members each utilize standard offices and office equipment to enable projects to be administered and completed as required. This includes computer equipment, software, and copiers, as necessary for each office. For regional water planning, including Region L, one of our most important tools is TEAMs, which allows us to communicate virtually. TEAMs will be an important aspect of our work in the 6th cycle of planning for Region L.

8.EXPERIENCE WORKING AS A MEMBER OF A JOINT VENTURE OR TEAM

Plummer, FNI, INTERA, and B&A all have extensive experience teaming with other consultants to provide services to clients. It is a major feature of our respective businesses to do so. This attitude comes from an understanding that the best way to serve a client might be to collaborate with others with expertise that builds on our own expertise. In the end, it is all about what the needs of the client are.

This team has worked together for over 18 months studying the drivers in Region L. This work has enabled us to establish the necessary relationships to best serve the region. We do not take this teaming effort lightly.

E. PROJECT SCHEDULE

A detailed project schedule is essential to the successful completion of the Region L 2026 Regional Water Plan. While the TWDB has not yet released its own detailed schedule, we know what the tasks are likely to be and our experience with prior cycles enables a development of a preliminary schedule to provide an indication of what to expect in the coming planning period. Once the project is underway and the TWDB has provided more guidance on the planning process, the Plummer Team and the River Authority will work together to develop a detailed schedule, based on this preliminary one, by which the Region L RWPG, the River Authority, and the Plummer Team may operate.

PHASE	ACTIVITY	PLANNING Sow Task	2021	2022	2023	2024	2025
	Authorization to proceed for Technical Consultant	Milestone	Δ				
NING	New RWPG member orientation and Regional Water Planning 101	10					
RE-PLAN	Pre-planning & coordination meeting (before technical work begins)	10					
PHASE 1 - PRE-PLANNING	Consideration of TWDB feedback on Region L's legislative, administrative, and regulatory recommendations from the 2021 RWP	8, 10					
	Consideration of input on improving interregional coordination	8, 10					
	Municipal WUG list, GPCD, & population projections released	2B					
-	Municipal WUG list, GPCD, historical population and water use data provided by TWDB review, evaluation, & finalization.	2B					
PHASE II - DATA EVALUATION	Draft population and municipal demand projections review, evaluation, & finalization	2A, 2B					
E II - DATA E	Water availability & existing water supplies review, evaluation, and finalization	3					
IASE	Water needs identification	4					
E E	Submission of Technical Memo to TWDB	Milestone				3/4/2024	
	Mid-course planning and coordination meeting	10					
	Potentially feasible WMSs identification	5					

STATEMENT OF QUALIFICATIONS

PHASE	ACTIVITY	PLANNING Sow Task	2021	2022	2023	2024	2025
	Executive Summary	ES					
	Draft Planning Area Description; Drought Response; Policy Recommendations	1, 7, 8					
L	Draft Population and Water Demand Projections	2A, 2B					
MENT	Draft Water Supply Analysis	3					
LOP	Draft Identification of Water Needs	4A, 4C					
N DEVE	Draft Evaluation and Recommendation of Water Management Strategies	4A, 5A, 5B					
PHASE III - INITIALLY PREPARED PLAN DEVELOPMENT	Draft Impacts of the RWP & Consistency with Protection of Resources; Water Infrastructure Funding Recommendations; Comparison to Previous Plan	6, 7, 11					
NITIALL	Draft Drought Response Information, Activities, and Recommendations	7					
SE III - II	Draft Policy Recommendations and Unique Sites	8					
PHA	Draft Water Infrastructure Funding Recommendations	9					
	Draft Public Participation and Plan Adoption	10					
	2026 Initially Prepared Plan (IPP) approval by Region L RWPG	10					
	Submission of 2026 IPP to TWDB	Milestone					A 3/3/2025
٩	Public Meetings held on 2026 IPP	10					
PHASE IV - 2026 RWP FINALIZATION	2026 IPP public comment responses prepared.	10					
SE IV - 2026 R FINALIZATION	Final 2026 Regional Water Plan adoption by Region L RWPG	Milestone					Δ
PHA: F	Submission of 2026 RWP and Prioritization	Milestone					10/20/2025 🛕

F. SPECIAL DOCUMENTS

1. ENGINEERING FIRM REGISTRATION



2. COPY OF PROFESSIONAL ENGINEER LICENSES FOR APPLICABLE PROPOSED TEAM MEMBERS.



STATEMENT OF QUALIFICATIONS

3. QUARTERLY SAMPLE PROGRESS REPORT THAT WILL BE SUBMITTED WITH EACH PAYMENT REQUEST SUBMISSION.

Progress reports for Region L will be tailored to the needs of the River Authority. Below is an example of a quarterly report format used by FNI to report progress for Region H in the 5th cycle of planning.



STATEMENT OF QUALIFICATIONS

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Kendall			Caldv	vell
	Comal		Lange Contraction	
and the second se				

Region L 6th Cycle Planning Consulting Team Selection

Zavala	Frio	Atascosa Karnes Victoria Goliad
Dimmit	La Salle	Calhoun Refugio

Our project manager and key personnel are highly qualified.



A. What are the <u>unique issues</u> your team foresees for Region L's 6th planning cycle? And how does your team propose to address those issues?

Successful planning will depend on three critical success factors.



A

We helped Region C reduce its need for new water by 55%.



A



Critical evaluation of drought contingency savings will strengthen the Region's response to drought.

Total WUG Drought Contingency Plans Adjust for Prescribed Conservation Measures

Prevent Double-Counting of Strategies between WCPs and DCPs Represent Ramp-Up of DCP Savings in an Actual Drought

Observed

Dry-Year

Staging

(2011)

Adjust for Level of Compliance

Adjust

for

Efficacy

Potential Drought Contingency Savings

Enhanced collaboration will achieve mutual benefits.



B. Elaborate on past experience supporting <u>committee-led projects</u> and what strategies you used to <u>reach out</u> to all stakeholders. Our extensive regional water planning experience will give you fresh perspectives.

Regions where our team members have worked

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LEARNING CURVE

B



Two-way communication will engage Region L stakeholders.





Dashboards make basic planning data available to all.





Graphical summaries will make the planning data more understandable to stakeholders.



Region 1

Region I Inst Totas Regional Water Filonality Group

2021 EAST TEXAS REGIONAL WATER PLAN

C. Talk through the <u>key tasks</u> (planning process and administrative) and how key team members will contribute to each task. Include in this discussion the QA/QC role as well.

Process support means all participants get what they need.



A detailed project schedule will guide the planning process to a smooth completion.



The project schedule will allow thorough RWPG input and collaboration.





We will reduce the River Authority's workload.



"Thank you all for making this happen on such short notice. We couldn't do the job without y'all's help...literally." Kelley Holcomb, Chairperson, Region I Water Planning Group D. Please provide examples of <u>work performed in</u> <u>Region L's territory</u> including rural areas of the region.



Our blend of technical and "soft" skills will give you the productive planning experience that you want.



6. If necessary, additional questions from Planning Group

7. Procurement Process Presentation

San Antonio River Authority PROCUREMENT DIVISION INTERDEPARTMENTAL CORRESPONDENCE

TO: Evaluation Committee

FROM: Emily Hanson, Buyer II

SUBJECT: Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning #00219

DATE: June 30, 2021

Thank you for agreeing to serve on the Evaluation Committee for the above referenced Request for Qualification (RFQ). The solicitation period closed on June 23, 2021. Two (2) responses were received and all are eligible for review at the Evaluation Committee meeting.

Prior to the meeting, please undertake the following efforts:

- Review the RFQ solicitation document stored in shared files
- Review the Evaluation Team Ethics and Non-Disclosure (Attachment A).
- Review the Evaluation Committee Responsibilities (Attachment B).
- Review the responses submitted
- Use the **RFQ Evaluation Matrix** form attached to score your initial evaluation of the responses:
 - Please enter your score in the green areas below each evaluation criteria (in yellow).
 - Scores should not exceed the maximum as shown in row 7.
 - Record your observations related to the proposal (ex: strengths and weaknesses) at the bottom of the score sheet.
 - You may keep additional notes, please submit to Purchasing upon completion of the evaluation to keep with the procurement file.
 - Identify issues in the proposal responses that may require clarification.
 - Determine your initial scores for each proposal response.
 - Please refer to evaluation committee point's guide for guidance (Attachment C).
- Complete a draft **RFQ Evaluation Matrix** and send to Emily Hanson no later than July 12th at 4:00 pm.
- Be prepared to discuss the proposals and your initial scoring at the meeting.

Thank you again for agreeing to help evaluate the responses to this solicitation. If you have questions about the process, please contact me at 210-302-3605 or ehanson@sara-tx.org.

ATTACHMENT A Evaluation Team Ethics and Non-Disclosure

Thank you for serving on a procurement team for the San Antonio River Authority. This guide provides information about the workings of a procurement team and ethical considerations. This guide supplements the River Authority's adopted Ethics Code (HR Policy 0041).

The information you receive as a member of the procurement team is confidential. As such, please remember:

- Do not discuss the proposals with anyone other than members of the evaluation team, the River Authority's designated contact, and the River Authority legal counsel, unless specifically authorized by River Authority legal counsel to do so;
- Ensure that copies of the proposals/qualifications and any documentation related to the procurement process which are provided to you for review or are produced by you in the course of the evaluation process are not copied, reproduced or left in an unsecured location during the evaluation process;
- Do not disclose, nor permit disclosure of the proposals/qualifications and any documentation related to the procurement process which are provided to you for review or are produced by you in the course of the evaluation process to anyone other than members of the evaluation team and the organization's legal counsel, unless otherwise instructed by the legal counsel.

Separate yourself from the applicants to ensure an unbiased process. As such, please remember:

- Do not assist with the development and/or preparation of any of the proposals/qualifications submitted in response to the procurement request;
- Do not engage in any activity that will restrict or eliminate competition, or show favor to a respondent, under this procurement process;
- Ensure that you have no personal bias, and will introduce none, either in favor of, or against any respondent;
- Do not accept any gifts, benefits or favors from a respondent.
- Avoid any questionable or improper conduct in relation to this procurement process; and
- Avoid situations which would further an appearance of impropriety or suggest that I was influenced by prejudice, bias, special interest, or personal benefit.

Be mindful of the restrictions on future employment that arise from the procurement. Texas law prohibits the acceptance of employment with firms considered for this procurement by members of the procurement team for two years after their employment with SARA ends.

If you have any questions or concerns about your service or SARA's procurement processes, contact Allison Elder, Director of Legal Services.

ATTACHMENT B Evaluation Committee Responsibilities

Each Evaluation Committee Member shall:

- A. Read and be familiar with the Request for Competitive Sealed Proposal.
- B. Attend all Evaluation Committee meetings.
- C. Review the proposal responses and complete an **Evaluation Worksheet** for each proposal to:
 - 1. Document the proposal responses' strengths and weaknesses (including page references.)
 - 2. Identify any additional information or clarifications that may need to be requested from the Respondent (including page references).
 - 3. Develop your initial scoring on each of the evaluation criteria:

A. Identification and understanding of the River Authority's requirements for this project (FACTOR: 20%)

The executive summary should be used to demonstrate the Respondent's understanding of the objectives and scope of the requested services of the primary areas, in a clear and concise, written expression. The Respondent will provide all the appropriately requested criteria consideration to be a critical component of the evaluation. The Respondent will demonstrate their how their firm's mission, value and goals align with the River Authority.

B. Past Performance and experience on projects of this magnitude and complexity (FACTOR: 30%).

The resumes, references and responses to supplemental questions should demonstrate the Respondent firm's successful experience in projects within the primary areas similar to the scope of work requested in this RFQ will be a major consideration. Implementation of projects with the triple bottom line in mind will be of the highest consideration. Based on the past performance of both the individual project personnel and the Respondent firm, the River Authority will determine if the Respondent firm has the track record to provide the required services in successfully administering similar projects.

C. Experience and qualifications of the Respondent and key personnel available for this project (FACTOR: 40%).

The qualifications of the key proposed personnel in terms of experience, service capability and resources will be reviewed in order to assess the ability of the Respondent to successfully complete the project assignment. The organization chart, resumes, and responses to the supplemental questions should demonstrate the firm's ability to provide the necessary professional and technical expertise and supervision will be a major consideration.

The qualifications and experience of the individuals who will be directly assigned to the primary areas is a major evaluation factor to be considered. The personnel cited shall be designated as to whether they are an employee, consultant or contract employee of the RFQ Respondent. Their

educational and professional credentials as well as direct experience on similar projects will be considered in evaluating the Respondent. Experience with other government funded projects and familiarity with River Authority requirements and procedures will also be considered in the evaluation process.

D. Local Understanding (FACTOR 10 %)

Preference will be given to Respondents demonstrating a familiarity with the local civil engineering industry within the River Authority's jurisdictional boundary (Bexar, Wilson, Karnes and Goliad counties). Through the executive summary, resumes, and responses to supplemental questions, firms shall demonstrate their understanding and presence in the local market.

- D. Complete a draft scoring matrix for discussion at the Evaluation Meeting using Attachment B as a guide in scoring.
- E. Be prepared to discuss the proposal responses during the meeting(s) of the Evaluation Committee.

ATTACHMENT C Point Guide for Evaluation

Point Guide

- used as a guideline to assist committee members with individual scoring
- to assist committee in determining what may be considered as excellent, good, fair or poor response
- the same point guideline shall be utilized at the initial scoring meeting and for any respondent interviews that may be required for the project

Guide for 5 Points

0 - 1 Points = **Poor** 2 Points = **Fair** 3 - 4 Points = **Good** 5 Points = **Excellent/Meets Requirement**

Guide for 10 Points

0 - 2 Points = **Poor** 3 - 5 Points = **Fair** 6 - 8 Points = **Good** 9 - 10 Points = **Excellent**

Guide for 15 Points

0 – 3 Points = **Poor** 4 – 7 Points = **Fair** 8 – 11 Points = **Good** 12 – 15 Points = **Excellent**

Guide for 20 Points

0 – 4 Points = **Poor** 5 – 10 Points = **Fair** 11 – 14 Points = **Good** 15 – 20 Points = **Excellent**

Guide for 25 Points

0 – 5 Points = **Poor** 6 – 12 Points = **Fair** 13 – 19 Points = **Good** 20 – 25 Points = **Excellent**

Guide for 30 Points

0 – 7 Points = **Poor** 8 – 16 Points = **Fair** 17 – 24 Points = **Good** 25 – 30 Points = **Excellent**

Guide for 35 Points

0 - 8 Points = **Poor** 9 - 17 Points = **Fair** 18 - 26 Points = **Good** 27 - 35 Points = **Excellent**

Guide for 40 Points

0 – 10 Points = **Poor** 11 – 20 Points = **Fair** 21 – 30 Points = **Good** 31 – 40 Points = **Excellent**

Guide for 50 Points

0 – 11 Points = **Poor** 12 – 24 Points = **Fair** 25 – 37 Points = **Good** 38 – 50 Points = **Excellent**

Guide for 55 Points

0 – 13 Points = **Poor** 14 – 27 Points = **Fair** 28 – 41 Points = **Good** 42 – 55 Points = **Excellent**

Guide for 60 Points

0 - 14 Points = **Poor** 15 - 30 Points = **Fair** 31 - 44 Points = **Good** 45 - 60 Points = **Excellent**

Guide for 70 Points

0 – 17 Points = **Poor** 18 – 36 Points = **Fair** 37 – 54 Points = **Good** 55 – 70 Points = **Excellent** $\frac{\text{Guide for 75 Points}}{0 - 18 \text{ Points} = \text{Poor}}$ 19 - 37 Points = Fair 38 - 56 Points = Good 57 - 75 Points = Excellent

River Authority Solicitation Evaluation Kick-off Meeting Outline August 2019

- I. Introduction & Roles
 - A. Purchasing Responsibilities
 - 1. Role is a facilitator not a voting member
 - 2. Liaison between evaluation team and respondents and vendors.
 - 3. Collect and prepare team evaluation matrix
 - 4. If a question about the process or contacted by respondents, contact Purchasing
 - B. Team Member Responsibilities
 - 1. Introductions
 - 2. Sign Certification of Non-Disclosure and No Conflict of Interest this signed document must be received by purchasing for all members before the responses can be released for review
 - 3. No contact with respondents during the evaluation period
 - 4. Confidentiality cannot reach out to peers or others disclosing the respondents.
 - 5. Review all materials in advance of meetings, submit individual scores to purchasing by deadline, and come prepared with notes and quality discussion to evaluation meeting
- II. Evaluation Process
 - A. Confidentiality from signature of Certification to notice to respondents of no award (issued by Purchasing).
 - B. Scoring
 - 1. Start from maximum points and deduct points based upon response
 - 2. Use scoring guide in evaluation packet
 - 3. Review evaluation criteria from solicitation
 - 4. Cannot deduct same item in multiple categories (penalizing in two more evaluation categories).
 - 5. Individual Scoring completed first
 - 6. Pencil in scoring for discussion with the evaluation team
 - C. Team Evaluation Meeting
 - 1. Discuss scores and observation of each team member (individual notes are helpful for this portion to assist the evaluator with why they scored what they scored).
 - 2. Ability to re-score individual scores based upon discussion
 - 3. Must provide justification of point deduction (used in debrief)
 - 4. Purchasing to note key discussion points

River Authority Solicitation Evaluation Kick-off Meeting Outline August 2019

5. All evaluators must sign evaluation sheets once a final set of scores is agreed upon

- 6. Interviews may be scheduled with top ranked firms (optional)
- 7. Second round of scoring to be completed after interviews
- D. Evaluation Close out

1. Notes and materials must be turned into Purchasing at completion (these become records available to the public).

2. Purchasing to notify non-awarded respondents once a firm has been awarded the contract

3. Once notifications sent, evaluators may resume normal business relationships with respondents.

8. Scoring Committee Report

	Evaluation Description	Identification and understanding of the River Authority's requirements for this project	Past Performance and experience on projects of this magnitude and complexity	Experience and qualifications of the Respondent and key personnel available for this project	Local Understanding	TOTAL SCORE	RANK BASED ON TOTAL SCORE
	Maximum Points	20	30	40	10	100	
1	Black & Veatch	19.0	28.80	37.8	9.00	94.6	1
2	Plummer	18.0	29.20	37.0	9.20	93.4	2
Criteria A Team	Notes						
Black & Veatch	Clearly demonstrated specific details from last plan	issues and how it was	addressed, team mem	bers to address issues identifi	ed, identified uniqueness	s, climate vari	ability
	Clearly demonstrated how team would address issu						
Criteria B Team N	Notes						
Black & Veatch	Clearly demonstrated 5 key strategies, experience	with working with other	regions				
Plummer	Clearly demonstrated experience working with othe	r regions					
Criteria C Team	Notes						
Black & Veatch	Clearly demonstrated 5 key tasks in timeline, task a	and associated team cle	ar and easy to follow				
	Identified 3 main tasks, public meetings identified a						
		-					
Criteria D Team N	Notes						
Black & Veatch	Clearly demonstrated individual project examples, a	ddressed rural areas, d	idn't clearly demonstra	ate diverse user groups			
	Clearly demonstrated project experience, didn't clear						

RIVER AUTHORITY

RFQ 00219- Technical Engineering Consultant for Region L Cycle 6 Regional Water Planning Final Evaluation Summary

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-	Evaluation Criteria	A	B	U	0	
	Evaluation Description	Identification and understanding of the River Authority's requirements for this project	Paul Performance and acpartence on projects of this magnitude and completedity	Experience and qualifications of the Respondent and key personnel available for this project	Local Understanding	TOTAL SCORE
_	Maximum Points	20	30	40	10	100
-	Black & Veatch	19.0	28.80	37.8	0.00	94.5
	Plummer	18.0	29.20	37.0	8.20	93.4

Evoluation Team Merahers:

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7/26/2021 7/24/2021 7/342) 7/3/2) 8/16/21 8/16/21 Melissa Bryant Melabo Humberto Ramos Erin Cavators John Byrum 1 Charke Flatten

9. Discussion and Appropriate Action Regarding a Motion recommending the San Antonio River Authority initiate contracting with one of the respondent firms for the Position of Region L Technical Consultant

10. Public Comment