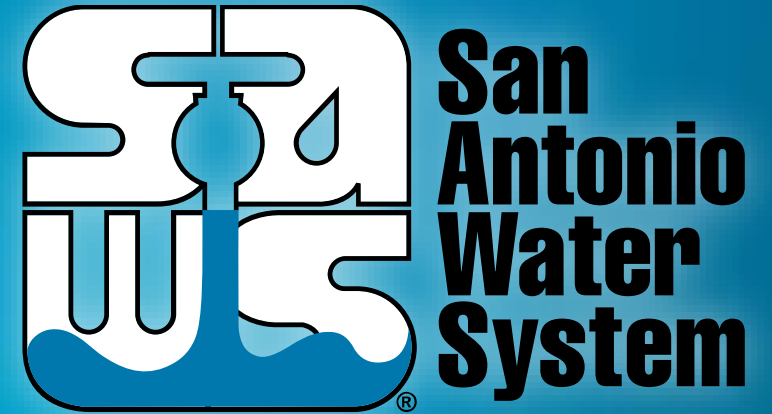


# 2020 Primary Pump Station Improvements RFQ

Ismael Rosales, P.E., PMP  
Project Engineer, SAWS

Roxanne Lockhart  
Contract Administrator, SAWS

Marisol V. Robles  
SMWVB Program Manager



Pre-Submittal Conference  
December 17, 2019

MAKING SAN ANTONIO  
**WATERFUL** 

# Oral Statements

- Oral statements or discussions during this Pre-Submittal Conference will not be binding, nor will they change or affect the RFQ or the terms and conditions of the contract. Changes, if any, will be addressed in writing only via an Addendum.

# Key Objectives

- Provide engineering services to design, bid, and construct required improvements for the two pump station facilities listed below.
  - Randolph Pump Station (212 S. Weidner Road, San Antonio TX, 78239)
  - Marbach Pump Station (7614 Marbach Road, San Antonio, TX, 78227)
- Anticipated services include civil engineering, geotechnical engineering, project management, investigation, topographic survey, subsurface utility engineering, design, construction management, project coordination, permitting, and other services (e.g., geology, environmental, archaeology, etc.) as necessary for this project.



# Marbach Pump Station

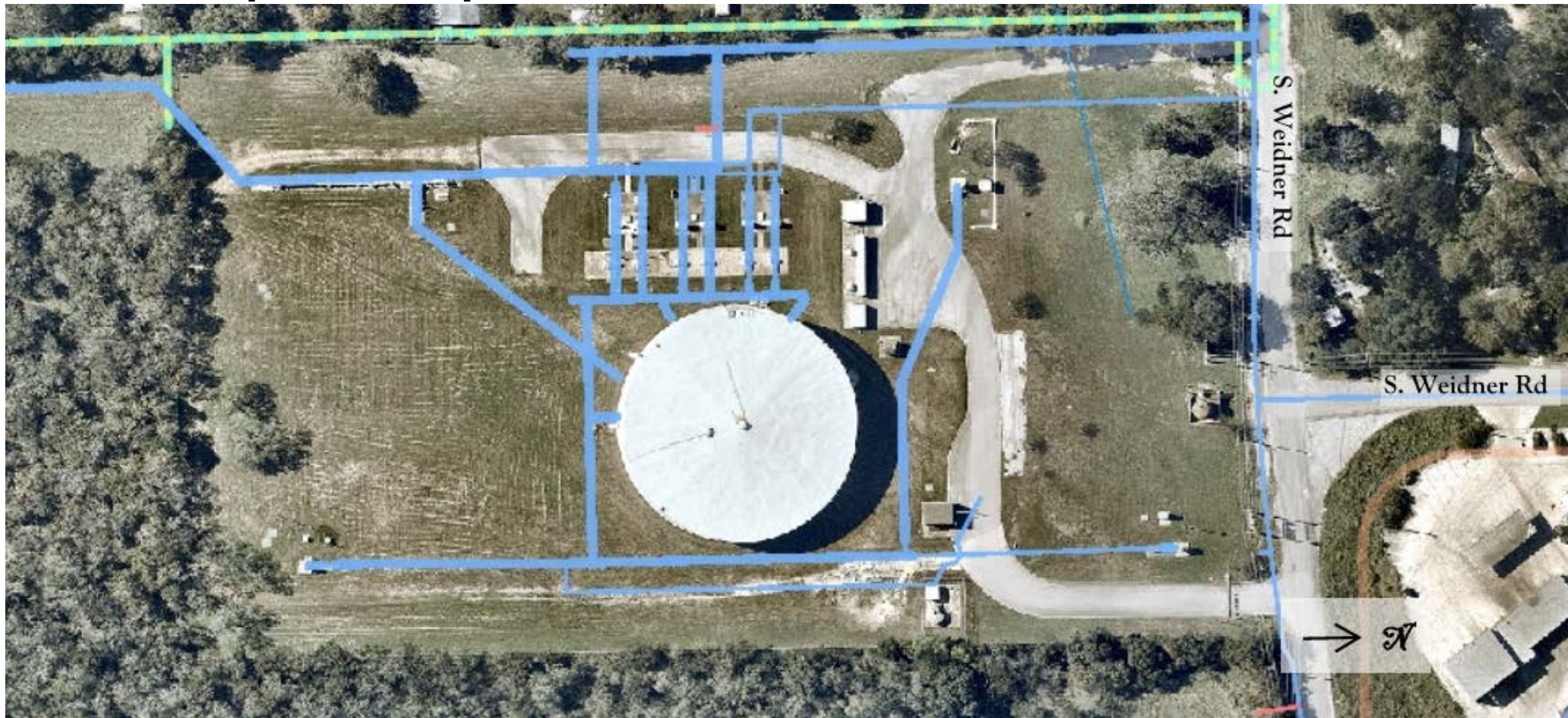


2020 Primary Pump Station Improvements





# Randolph Pump Station



2020 Primary Pump Station Improvements



# Scope

- Complete replacement of electrical switchgear including, but not limited to, replacing all existing low and medium voltage wiring, pump motors, flow meters, SCADA system, new electrical building.
- Evaluation and replacement of high service pump/motors and well pumps/motors.
- Replacement of control valves, motor operated valves, pressure reducing valve and vault, and miscellaneous piping.
- Replacement of chlorine gas containers with on-site sodium hypochlorite generation as a disinfection for potable water at the Randolph Pump Station site.

# Scope

- Other facility improvements such as existing building improvements, grading, new concrete driveway and parking area, site drainage improvements, security fence and gate, site security and lighting shall be also part of the scope of work.
- Associated civil, structural, mechanical, electrical and instrumentation and controls work.
- Associated surveying, geotechnical and underground utility investigation services.
- Specialized construction inspections, start-up and commissioning services, and construction phase services.

# Project Funding

- SAWS Estimated Construction Cost
  - Randolph PS: \$17,500,000
  - Marbach PS: \$12,250,000



# Design Considerations

- Contract Documents – Quality / Engineering / Consistency
- Implementation Schedule
- Coordination and feedback – End Users
- Scope Management
- Coordination with other agencies (e.g., CoSA, TxDOT, TCEQ, Bexar County, etc.)
- Permits
- Identification of utilities (above and below ground)

# Design Considerations

- Surveys and topographic information
- Contractor staging, access points, and availability of working space
- Planned shut downs
- Impacts to neighbors
- Mobilization / Demobilization
- Traffic control
- Technical Specifications
- OPCCs



# Design Considerations

- Procurement method (IFB and RFCSP)
- Engineer is responsible for meeting rules and regulations
- QMP and disciplined project delivery implementation
- QA/QC of sub-consultants work
- SUE to verify existing utilities and avoid conflicts
- Survey data and benchmarks
- Geotechnical Design Recommendations and Geotechnical Data Report

# Design Considerations

- Design Milestones (30 / 60 / 90 / 100)
- Design Review Workshops at every milestone
- Site Visits, as many as needed
- Communication and Coordination – early and often
- SAWS staff to be involved in meetings with other agencies



# Cost Estimates – Design Phase

Consultant must develop opinions of probable construction costs (OPCC) for all phases of each project as per the recommendations of AACE International (formerly the Association for the Advancement of [Cost Engineering](#)) as described in AACE's I7R-97 and 56R-08.

# Cost Estimates – Design Phase

Consultants to develop OPCCs for each phase as follows:

| Design Phase  | Estimate Class | Expected Accuracy Range           |
|---------------|----------------|-----------------------------------|
| 30% Design    | Class 3        | L: -5% to -15%<br>H: +10% to +20% |
| 60% Design    | Class 2        | L: -5% to -10%<br>H: +5% to +15%  |
| 90% Design    | Class 1        | L: -3% to -5%<br>H: +3% to +10%   |
| Bid Documents | Class 1        | L: -3% to -5%<br>H: +3% to +10%   |

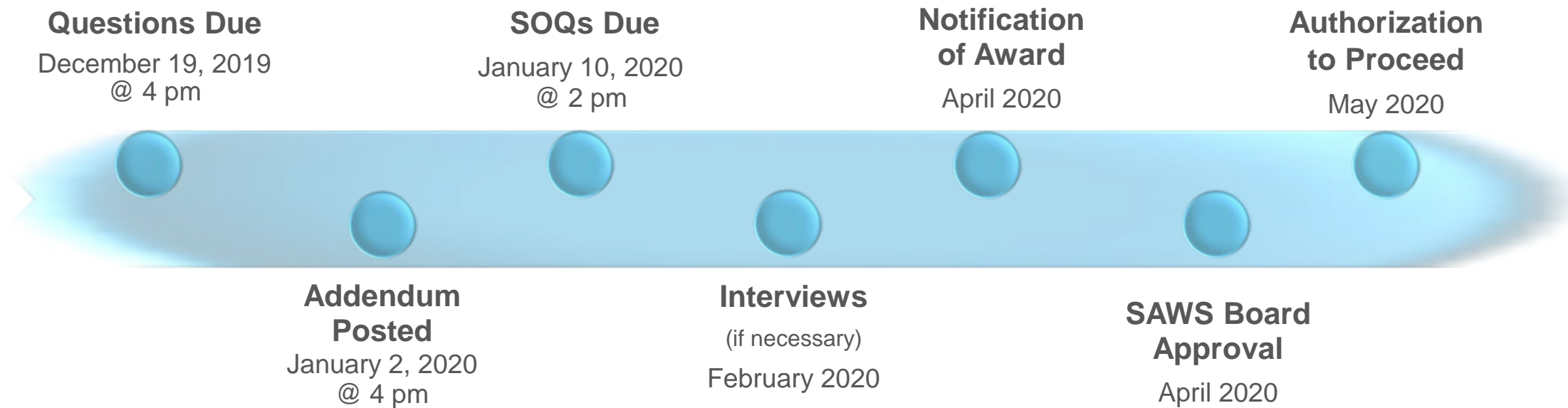


# Cost Estimates – Design Phase

## SAWS Process – OPCCs:

- Projects  $\geq$  \$3M – Independent cost forecast (ICF)
- Engineer's OPCC & ICF  $\neq \pm 25\%$  - 2<sup>nd</sup> Independent estimate
- Projects  $\geq$  \$15M – two independent estimates
- Meeting to talk about differences
- Engineer's Final OPCC & "Low Bid"  $\neq \pm 25\%$  - bid analysis, meeting with Contractor – decision to award

# RFQ Schedule





# Submitting a Response

- Submit hard copies
  - 1 original and 8 copies
- Include a USB flash drive of the original proposal; include all pages
- Reference the RFQ document to determine what additional items are required
- Page limit of twenty (20) per proposal
  - Must be securely bound by a means other than 3-ring binders
  - Use 8 ½ x 11 portrait format
  - one 11" x 17" permitted (will not count towards total page count)

# Submitting a Response

## Helpful Reminders

- Thoroughly read the RFQ document prior to submitting proposal
- Maximize points by addressing all items in the order identified in the RFQ
- Be specific; avoid “boiler plate” responses
- Utilize the Submittal Response Checklist
- Contact the SMWVB Program Manager for assistance, if necessary
- Perform a thorough QA/QC on proposal prior to submitting



# Submittal Deadline

- Submittal deadline is January 10, 2020 at 2:00 pm
- Solicitation number, solicitation name, date and time of the deadline should be clearly identified on the outside of the submittal package
- Deliver to 2800 U.S. Highway 281 North, Customer Service Building:
  - Deliver to Counter Services (Mailed to Contract Administration in Suite 171)
  - SAWS recommends submitting proposal at least two (2) hours prior to the deadline
  - Make arrangements early if mailing proposal
- Late responses will not be accepted, and will be returned unopened

# Addenda

- Register as a vendor with SAWS Vendor Registration and Notification
- More than one addendum may be posted
- Check SAWS website often and prior to submitting proposal
- Known addendum changes are:
  - Responses to questions



# Scoring Criteria

|  |                |
|--|----------------|
| – Team Experience and Qualifications   | 25 pts         |
| – Similar Projects and Past Performance  | 25 pts         |
| – Project Approach   | 30 pts         |
| – Quality Management   | 5 pts          |
| – Small, Minority and Woman, and Veteran-Owned Business (SMWVVB) Participation | 15 pts         |
| <b>Total:</b>  | <b>100 pts</b> |

# Scoring Criteria

## Team Experience and Qualifications (Refer to Attachment II)

- Org Chart: Identify all proposed “Key Personnel” and “Key Sub-consultants.”
- Resumes: Provide 1 page for only Project Manager, Civil Design Lead, QA/QC Lead, Mechanical Design Lead, Electrical Design Lead, and Structural/Architect Lead.
- Provide name/title/education, describe professional qualifications/experience/expertise, years with current firm and total years of professional experience.
- List 5 similar projects completed in last 10 years (relevant to project scope), specifying with current firm or part of overall professional experience. List all active projects, durations, phases and percent time allocated to each project.
- Describe proposed team including sub-consultants, roles and responsibilities of team members, and teaming history.
- Use Attachment III – Forms will count towards total page limit.



# Scoring Criteria

## Similar Projects and Past Performance (Refer to Attachment II)

- Use Attachment III - Forms will count towards total page limit.
- Provide minimum 3 completed projects in last 10 years, plus 2 projects that design is complete or construction is under way. Ensure scopes are similar to the RFQ project. Make sure as many team members being proposed have been involved together.
  - Names of client and location (city and state)
  - Reference contact to include names, titles and “current” phone numbers (verify)
  - The corresponding year and duration of assignments/projects
  - Detailed description of projects; explain why projects are similar to the RFQ project
  - Key Personnel and sub-consultants’ responsibilities

# Scoring Criteria

## Project Approach (Refer to Attachment II)

- Explain, in detail, how your firm will execute and complete the scope. Discuss critical milestones, decision-making, methods to obtain feedback, proposed deliverables. Provide innovative approaches/ideas/recommendations.
- Provide proposed “realistic” project schedule. (Very important!)
- Provide responses to:
  - Familiarity with SAWWS facilities/infrastructure
  - Approach to becoming familiar with local/regional market conditions
  - Understanding and addressing of project related issues/risks
  - Coordination requirements, responsiveness and follow through
  - Approach to adhere to proposed schedule, schedule recovery procedures

# Scoring Criteria

## Quality Management Plan (Refer to Attachment II)

- Overview of quality control and quality assurance processes for this project
- Plan to identify, track and resolve issues
- Role of independent QA/QC team for “high quality and implementable” project
- Provide approach to becoming familiar with local construction practices and requirements, standard products and material cost
- Describe how accuracy and completeness of engineer’s OPCCs are derived for each design phase
- Describe familiarity with ACEC’s recommended practices 17R-97 and 56R-08 for developing cost estimates



# Aspirational SMWVB Goal

| <b>Industry</b>                             | <b>Aspirational SMWB Goal</b> | <b>Description</b>              |
|---|-------------------------------|---------------------------------|
| Engineering and Other Professional Services | 40%*                          | Points assessed on tiered scale |

\*40% of the value of the contract.

# SMWVB Requirements

- SMWVB Certification accepted from the following entities:
  - South Central Texas Regional Certification Agency
  - Texas H.U.B.
- RFQ Scoring:
  - Up to 15 Points
  - Local Office
  - SBE, MBE, WBE
  - Veteran-owned Business Enterprises (VBEs) - Not eligible for points, but tracked for participation

# Post Award: Subcontractor Payment & Utilization Reporting (S.P.U.R.) System

[WWW.SAWS.SMWBE.COM](http://WWW.SAWS.SMWBE.COM)



San Antonio Water System

OUR MAIN SITE CONTACT SUPPORT

## Subcontractor Payment & Utilization Reporting System

Log In

**System Training**  
Learn how to fully utilize our system with a live trainer  
[Training](#)

**About the System**  
Learn more about this system and how it works today  
[Information for Vendors](#)

**Account Access**  
Lookup Vendor accounts or reset user passwords  
[Account Lookup](#)  
[Forgot Password](#)

The Subcontractor Payment & Utilization Reporting System is powered by B2Gnow Software © Copyright 2018.



# SMWVB Questions

- Questions related to the SMWVB Program, the Good Faith Effort Plan (GFEP), or finding certified subconsultants may be directed to the SMWVB Program Manager until the RFQ is due.

**Marisol V. Robles**

SMWVB Program Manager

Email: [Marisol.Robles@saws.org](mailto:Marisol.Robles@saws.org)

Telephone: 210-233-3420

# Respondent Questions

- Must be submitted in writing via e-mail no later than December 19, 2019 by 4:00 pm to:

**Roxanne Lockhart**

Contract Administration Department

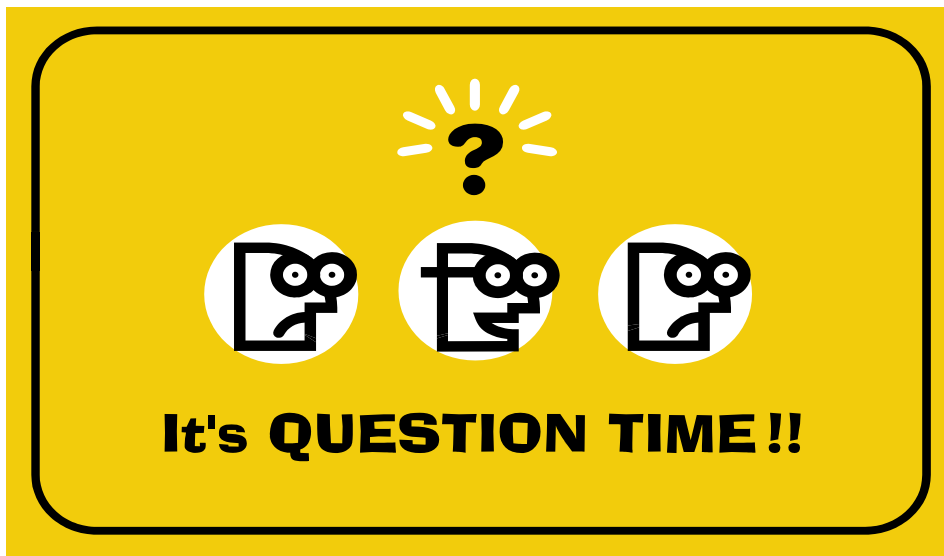
San Antonio Water System

[Roxanne.Lockhart@saws.org](mailto:Roxanne.Lockhart@saws.org)

# Communication Reminders

- No communication regarding this RFQ with the following:
  - SAWS Project Manager
  - SAWS Technical Representative
  - Any other SAWS staff, managers, directors or VPs
  - City Council member or staff
  - SAWS Board of Trustees
- No phone calls, emails, letters, direct/indirect discussion of the RFQ
  - If submitting for the RFQ and/or doing work for SAWS, indicate this when speaking with SAWS staff, but refrain from discussing the RFQ
- From release of the RFQ to Board Award



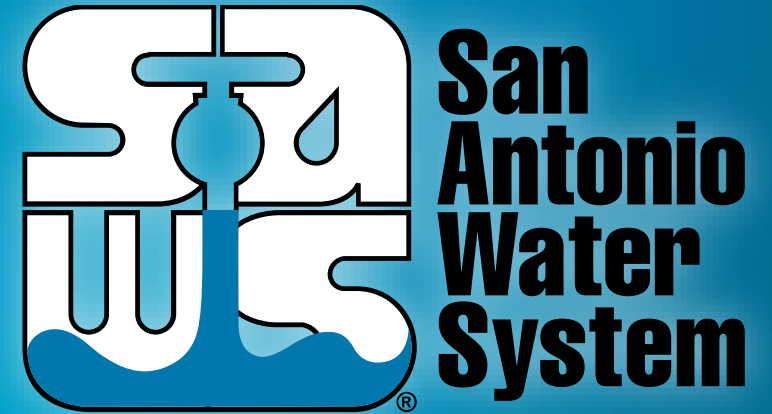


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