



Brazos River Authority

January 19, 2024

Addendum No. 1 Electrical Vulnerability Assessment RFP No. 24-1336

It is the responsibility of the Respondent to assure and guarantee by acknowledging the receipt of this Addendum in the Bid that the Respondent has received the Addendum in its entirety, and that the Respondent accepts all conditions contained herein.

Questions and Answers

Question: What's the projected timeline of the project?

Answer: Once a contract is in place, this project should take approx. 3 months, maximum.

Question: When are you wanting the assessment, investigation, and review services completed and design services if authorized?

Answer: The assessment and investigation, and final report should be within the 3 month timeframe. Design services if authorized would be a separate contract.

Question: What is the system voltage we would be dealing with?

Answer: A voltage at the dam for Ops is 480v, 3 phase to operate the gates. Also, the dam lights, SCADA boxes and cameras will run on 110v.

Question: What is the highest voltage substation equipment or switchgear located on site?

Answer: The highest voltage is 480v corner ground delta.

Question: Are there preferred software tools or methodologies for conducting the power delivery modeling and risk analysis?

Answer: No

Question: Are there any security protocols or clearance requirements we need to be aware of for site access?

Answer: All on-site personnel must provide adequate information to BRA security to complete a background check prior to site access.

Question: What control system hardware (manufacture/model) and SCADA software is currently in use at the facility?

Answer: We are currently using Allan Bradley PLCs and Wonderware SCADA.

Question: Are there any critical deadlines or milestones for project completion that we should be aware of?

Answer: After contract is executed, project should be completed in 3 months.

Question: Beyond the provided RFP, are there any specific concerns or vulnerabilities with the electrical and SCADA systems you'd like us to prioritize in our assessment?

Answer: Recommendations on the primary power delivery setup.

Question: Are there any unique environment factors or weather conditions that pose specific challenges to the dam's electrical and SCADA systems?

Answer: Frequent lightning strikes on and around the dam during storm events, resulting in loss of primary and secondary power.

Question: Considering that electrical and SCADA systems and equipment are not unique to dams, will electrical & SCADA experience not pertaining to dams satisfy the desired experience requirements?

Answer: Yes.

Sincerely,

victor venegas

Victor Venegas
Purchasing Agent