



DATE: October 9, 2019

TO: Prospective Bidders

FROM: Eileen Marquez, Buyer

SUBJECT: **ADDENDUM #1**

SOLICITATION: **ELE# 190641 Design-Build of New White Substation**

Please see the following questions received on the project, and corresponding answers.

- 1. QUESTION: Are there any available specifications or designs for the old White Substation?**
ANSWER: No, we do not have any design plans for the now 30-year old substation.
- 2. QUESTION: Is there an existing geo tech report?**
ANSWER: No.
- 3. QUESTION: Is there an existing survey?**
ANSWER: No.
- 4. QUESTION: Is there a milestone date for completion for this project?**
ANSWER: Project must be completed by Fall 2021.
- 5. QUESTION: Is the contractor responsible for the demolition of the old White Substation?**
ANSWER: No.
- 6. QUESTION: Is remote relay work required?**
ANSWER: No, but the settings inside the substation will be completed by the contractor.
- 7. QUESTION: Is the City looking for a design the same as the recent substations build?**
ANSWER: Yes, but with circuit switchers on the high side of the transformers.

8. QUESTION: Are there any zoning issues for the White Substation?

ANSWER: We do not believe there are. We are obtaining more information from the Planning Department.

9. QUESTION: Are there any lightning specifications?

ANSWER: Standard lightning protection for Isochronic rated higher than 90+. Arrestors and static wires will be used.

10. QUESTION: Does the wall design need to be the same as previous City substations?

ANSWER: Yes; the wall will be the same design as Richmond Substation (construction beginning in November). The stamps will be decided at a later date.

11. QUESTION: Who will be responsible to switch the transmission from the old substation to the new substation?

ANSWER: OEU will be responsible to switch the transmission from the old to the new substation.

12. QUESTION: Are there any preferred vendors for the equipment?

ANSWER:

- Insulators: Lapp, ABB (porcelain)
- Switches: Royal, Sefcor, Pascor, Cleveland Price
- Potential transformers: ABB, Kulman, (solid dielectric is acceptable)

13. QUESTION: Can you provide more information about the soil conditions?

ANSWER: No. The contractor is responsible for obtaining the geotech and topo surveys. The design itself will dictate depth, location, etc. of the soil samples taken. This is in the Scope of Work.

14. QUESTION: What is the project budget?

ANSWER: 3.8 M - The budget does not include the OEU provided capital equipment.

The following statements are additions, clarifications or corrections to the solicitation.

1. The required access road for the new White Substation will be lime rock and gravel.

2. Delivery time of the transformers will be decided between OEU and the contractor during the design phase. The contractor will provide a window for when the transformers and circuit breaker will need to be onsite in order to not delay construction.
3. OEU will provide (2) 41.6 MVA transformers, (2) 69kV circuit breakers, and (11) 15kV. These will be outside and insulated.
4. Relay settings need to be provided in electronic AcSElerator format.
5. A single line will be used for the new White Substation. Line will be the same as the existing substation.
6. The transformer manufacturer will be responsible to test the transformer equipment.
7. A new control house for the new White Substation is required.
8. Permits are contractor's responsibility.
9. Fault current analysis is required as part of the engineering design specifications.
10. Contractor is responsible for any studies for the new White Substation.