

Bellevue Substation 138 kV Expansion: Queries and Questions

1. In Addendum #2, dated June 14th, 2023. The final date to respond to all queries was listed as June 7th seems to be incorrect.

2. The drawings received are not up to date. For example.

a. Some of the drawings include the three tank oil circuit breakers that were replaced years ago.

JPS Response: There are no complete Autocad file of the 138kV and 69kV electrical plan drawings that shows all of the new sf6 breakers. Site visits and use of existing hard copy drawings will be necessary to gather and produce autocad drawing for the missing sections.

b. Some include the 69 kV wood-pole structures of the substation.

JPS Response: Please disregard the drawing with wooden poles

c. One drawing has the rating of the interbus transformer to be 30/40 MVA, 69/138 kV.

JPS Response: The existing transformer is a 40/60MVA unit

3. JPS should provide the existing ground grid resistance.

JPS Response: To be measured

4. A soft copy of the complete substation layout (to include both the 69 and 138 kV sections) to include equipment, their connections, and the substation boundaries are not included.

JPS Response: Autocad Dwg 19565 showing the 138kV Section of the station is available and attached.

Scanned copy of the Site Topo attached. AutoCad version not currently available

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- a. Sub task 2: Drawings and Designs (all drawings are required to be in dwg CAD format). If dwg (CAD) formats are not available, will JPS make the necessary arrangements to convert the paper based drawing to CAD format?

Prepare designs and drawings for the following items for the Bellevue site:

- Protection & Metering Single Line Diagrams.
- Confirm who is responsible for designing the three-line protection & metering diagram. Provide the specifications for the relays and interconnection devices.
- Protection panel arrangement diagrams

Will the consultant be responsible for the activities listed above?

JPS RESPONSE

1. JPS completed and provided SLD for Protection and metering and tripping logic
2. JPS will provide the protection drawings at the interface points
3. Consultants to be provided with breaker, transformer, and relay types
 - a. Breaker: Protection philosophy to be provided to the consultants – JPS Standards Department
 - b. Transformer: Transformer specification to be provided to the consultants – JPS Standards Dept
 - c. Relay: Template with relay models to be provided to the consultants – JPS protection department