



Procurement Department Bid Section

June 10, 2026

ADDENDUM NUMBER: FIVE (5)

TITLE: 1412156246 (RFP) JEA St. Johns River Power Park (SJRPP) Unit 3 Combined Cycle – Generator Step-Up Transformers

PROPOSAL DUE DATE: ~~June 16, 2026~~ June 23, 2026

TIME OF RECEIPT: 12:00 PM EST

THIS ADDENDUM IS FOR THE PURPOSE OF MAKING THE FOLLOWING CHANGES OR CLARIFICATIONS:

1. **Change:** The proposal due date has been extended to June 23, 2026
2. **Question:** Regarding the Answer for the “Question 1” of “1412156246 Addendum 4”, the inductive voltage transfer HV to LV follows the transformer turn ratio. In this case, the turn ratio will be:
750MVA: $(230/\sqrt{3})/24 = 5.53$, and the BIL level in the LV terminals will be $900/5.53 = 162$ kV, which is higher than specified BIL (150 kV).
480MVA: $(230/\sqrt{3})/18 = 7.37$, and the BIL level in the LV terminals will be $900/7.37 = 122$ kV, which is higher than specified BIL (110 kV).

Besides the inductive transfer, there is the capacitive contribution which produces even higher over voltages. The purpose of our proposal is to provide the customer with recommended actions based on past experience on backfeed mode. Despite all measures taken in the transformer design, a safer operation also involves those two measures (capacitor and surge arrester arrangement in LV side), as it is not possible to predict the waveform of high-frequency transients coming from the HV side.

Answer: JEA's preference is that the capacitance needed to mitigate transferred voltage from the HV side be from the winding geometry and/or winding arrangement, and not from external capacitors. The design should include HV surge arresters, but not LV arresters, as they will be installed at the generator terminals, electrically close to the GSU through low-impedance isolated phase bus.

If the bidder feels that the changes to the design necessary to remove the external capacitors present an unreasonably large material change to the construction of the GSU, they may submit two designs, one without external capacitors, per JEA's preference, and one with external capacitors. This bid package would have to include all details of the differences in price and performance between the two designs, as well as the high frequency capacitive voltage transfer calculations for the three-phase configuration of the GSU. This package must also include the differences in safety margins to the LV BIL per each design configuration.

3. **Question:** Regarding the Answer for the “Question 3” of “1412156246 Addendum 4”, please send us the Doble DR Data Template or the information requested by this template.

Answer: The Doble DR Data Template will be made available to the awarded bidder.

4. **Question:** Regarding the Answer for the “Question 12” of “1412156246 Addendum 3”, we understand that the ratings definitions of surge arresters (insulation coordination and protection) are the responsibility of JEA, since these parameters depends on system studies. I.e, the Respondent should only follow the requested in the items 8.1, 8.2 and 8.3 of the “1412156246 Appendix A - Technical Specifications”.

Answer: JEA has confirmed the surge arrester selection and placement is appropriate for the system voltage and grounding. This also provides effective protection of the transformer HV windings against lightning and switching surges, in accordance with IEEE C62.11 and C62.22.

Manufacturer to follow items 8.1, 8.2, 8.3 and 8.4. Manufacturer shall verify and document acceptable insulation coordination between the transformer design being furnished and the surge arresters specified by JEA.