

### **ECP Water System Questions and Answers**

1. **Question:** Who is responsible for handling landownership, land access permissions, and any easements necessary to successfully design and construct a water system?

**Answer:** Global Communities will be handling and facilitating the above.

2. **Question:** Will DINEPA provide a formal letter authorizing the selected engineering team to work in the Canaan area?

**Answer:** Yes, if necessary.

3. **Question:** The UN Habitat report discusses details of a water system that would far exceed a \$900,000 USD budget, even when scaled to serve 30,000 people with the two reservoirs. Does the ECP design need to follow all of the recommendations in the UN Habitat report?

**Answer:** No, the ECP design is not bound to any of the recommendations in the UN Habitat report. Inclusion of the report was mainly to show the proposed locations of the two reservoirs. Secondly, it presented some hypothetical analyses for conceptual-level planning. The ECP design will adhere to the “Design Basis” document. Any changes to the Design Basis would need to be approved by Global Communities.

4. **Question:** Can Global Communities define a total daily demand for the system? Currently 2,400 m<sup>3</sup>/day is estimated based on the stated population, and 80 liters/person/day. However, commercial and fireflow considerations can change this demand significantly, and the respective engineering effort.

**Answer:** The consideration of commercial and fire suppression demands will be decided during the Kick-Off meeting. 80L/person/day and estimated target population were provided for preparation of the proposal. If needed, after considering all demand parameters during the kick-off meeting, the basic parameter values may be adjusted to fit the effort described within the awarded proposal.

5. **Question:** Reservoirs 10 and 11 are suggested in the UN Habitat report to provide a total of 7000 m<sup>3</sup> of storage, is it the intent of this project to construct the reservoirs to these specifications?

**Answer:** No, the expectation is that reservoir-sizing be part of the design deliverables.

6. **Question:** Which different parties and entities will need to approve reports and plans?

**Answer:** Global Communities will be the entity accepting the project and plans developed by the Engineer.

7. **Question:** Well testing and potentially drilling new well(s) is a process that could take several months, and final design work cannot commence until the source/supply is memorialized. This factor does not appear to be accounted for in the schedule. Is well contracting considered part of the \$900,000 construction budget?

**Answer:** The budget for both testing of existing wells and drilling new wells (if

necessary) are to be incorporated in this RFA, separate from the \$900,000 construction budget. One reason for separating testing of existing wells and drilling new wells is because of the potential impact on the schedule. Ideally, use of existing wells will be sufficient, but we suggest that drilling of new wells be incorporated as a possible scenario in the proposed schedule.

8. **Question:** How many hard copies need to be provided for plans and reports? The statement of work indicates that publishing and reproduction costs of all documents are the responsibility of the Engineer.

**Answer:** As long as electronic (Microsoft Word) is provided, one hard copy will suffice for drafts and up to 3 hard copies for final versions.

9. **Question:** What kind of materials testing is required in the construction supervision?

**Answer:** Materials testing requirements is to be recommended by Engineer as part of the Quality Control/Quality Assurance Plan deliverable

10. **Question:** 50 year design life for an entire water system is not typical, in the US, design life of steel and concrete components of a system is 40---years.

**Answer:** The Design Basis contains a provision for the Engineer to suggest a shorter design life considering relevant industry standards. Please include any suggestions in your proposal.