

## **RFP #9068: ENGINEERING SERVICES FOR THE HARVEST WATER PUMPING STATION PROJECT**

**Addendum #2**

**November 24, 2020**

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The following changes are amended in RFP No. 9068.

1. **Section V- Project Description** – Add new Section after Instrumentation and Control that reads:

**“Pump Control**

The Harvest Water Pumping Station (HWPS) will discharge into the 66” Harvest Water Transmission Main, which will connect to the distribution system with pipe sizes as small as 12”. The pump station must maintain a minimum of 15 psi operating pressure in the distribution system under all projected demand scenarios, accounting for hydraulic losses estimated through the turn out control stations for the on-farm grower connections to maintain a 5 psi minimum residual at the customer connection interface. Some of the turnout locations are located as far as 15 miles from the HWPS. The on-farm grower turn out control stations and recycled water distribution supervisory control system will be designed by the on-farm connection Designer, which will feature telemetry or equivalent wireless communications equipment and a PLC based control system to be located within space made available at the HWPS Electrical Building. The HWPS PLC will communicate with the District’s PCCS (Ovation) and the recycled water distribution supervisory control system to receive flow and pressure set points for pump control based on customer demand. Flow and pressure output from the HWPS shall be measured through instrumentation furnished as part of the HWPS facility.”

2. **Section VI – Project Schedule** – change Bid Opening Date from “August 7, 2022” to “October 26, 2022”.
3. **Section VI. Project Schedule** – Move the following three items from Phase 1 - Planning, to the first 3 items under Phase 2 – Design:
  - Submit Draft Preliminary Design Report (PDR)
  - Submit Final PDR
  - PDR Design Gate Workshop
4. **Task 2.1.01 Project Management (PDR Phase)** – Replace:
  - Weekly progress meetings
    - Once every two weeks during the planning phase.
    - Once monthly during the design phase

with

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- Progress meetings
  - Weekly during planning phase
  - Bi-weekly during the design phase
  
- 5. **Task 2.1.08 Field Survey** – Replace entire paragraph with: “Consultant shall identify design-level survey requirements necessary to support the Project and include the required scope for this effort in the proposal.”
  
- 6. **Task 2.1.10 – Coordination with Other Projects** – 3<sup>rd</sup> Bullet – Revise sentence to read: “Process control and instrumentation as well as communications with the recycled water distribution supervisory control system.”
  
- 7. **Task 2.1.10 – Coordination with Other Projects** – Add new paragraph after last bullet point in section that reads: “Consultant shall plan on attending coordination meetings with other design consultants each month.”
  
- 8. **TM-1 Design Criteria** - Key Element No. 6 – Revise sentence to read: “Operating philosophies and general control descriptions including communications with the recycled water distribution supervisory control system.”
  
- 9. **TM-1 Design Criteria** - Key Element No. 10 – Revise first sentence to read: “Use BCEs to compare flow alternatives, major equipment, and communications with the recycled water distribution supervisory control system.”
  
- 10. **TM1, Key Element No. 19** – Add new Key element 19 reading: “Evaluate needs for chemical addition including but not limited to Sodium Hypochlorite and Sodium Bisulfite. Conduct BCEs as necessary.”
  
- 11. **Task 2.1.12 – TM-2 Site Development and Layout** – Second paragraph - Revise first sentence to read: “Regional San will provide master site utility and process pipeline drawings of the plant process area in AutoCAD Civil 3D. Other base mapping shall be provided in a recent version AutoCAD 2D format.”

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**12. Task 2.3.01 – Project Management (DS-2 Phase)** – Revise section to read: “The project management task encompasses overall project management, coordination with other projects, and risk management.

Consultant shall continue to be responsible for the HWPS Project in terms of staffing, budget, schedule and scope, promote communication within the HWPS Project team, and document key decisions.

Items covered under this task include, but are not limited to:

- Bi-weekly progress meetings.
- Project workshops and focused meetings.
- Other meetings. In addition to specific meetings described in the RFP and attachments, Consultant should anticipate participation in management briefings, and other meetings, throughout the duration of the project.
- Scope, budget and schedule management and updates.
- Interface with the program management information system PMWeb.
- Assist the PM in updating the Risk Register and the Risk Management Plan as needed. Assist the PM in identifying, tracking, managing and mitigating project risks that are shared by Regional San and Consultant. Identify, manage and mitigate Consultant’s project risks.
- Management and coordination of sub-consultants.
- Management and coordination of Consultant staff.
- Monthly invoicing and schedule update.

Additional detail regarding project management requirements is provided in Attachment E – Design Consultant Project Management Requirements.”

**13. Section XV. Attachments** – Other information available on request – Delete first bullet “Topographic survey of SRWTP Echo Water Site (2012)”

**14. Section 14-Exceptions to Contract Term and Conditions** – Delete last sentence in paragraph that reads “Include these exceptions in the sealed fee estimate envelope.”

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The following changes are amended to Attachment A - Harvest Water Pumping Station Basis of Design Report, of RFP No. 9068.

1. **Section 4.5.3 Physical Model, first paragraph, second sentence** - Revise second sentence in paragraph to read “Consultant shall conduct physical modeling and evaluate benefits and provide recommendations on computational fluid dynamics (CFD) modeling. Include special services task in proposal identifying proposed CFD modeling details.”
  
2. **BODR, Attachment D Facilities Integration Plan, Appendix A – Project Schedule – Change Task** 127, 128, and 129 as follows:

	Task Name	Duration	Start	Finish
127	Design	370 Days	4/15/21	9/14/22
128	Bidding/Evaluation/Board Approval	65 Days	9/15/22	12/14/22
129	Construction	470 Days	1/12/23	10/30/24

Date: 11/24/2020

By:   
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 Harvest Water C-PMO

**\*\* END OF SECTION \*\***