



**Addendum Number 2**

**Supervisory Control and Data Acquisition (SCADA)**

**Upgrade and Services**

**Issued April 5, 2024**

**Addendum Description**

Expanded **Updating Controls & Hardware** section of Project Scope to include 4 additional items. Revised Page 6 of SOQ/RFP Document is attached.

**Action Required**

1. Please sign below acknowledging the change.
2. Return this page with your proposal.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Title



2. Replace SCADAPACK PLCs in all remote facilities with CompactLogix PLC's and provide Automation Direct HMI screens at EWST's and Wells 6 & 7.
3. Provide for desktop SCADA PCs at each WTP, superintendent's office, and water division field office. The two office locations shall have a large wall mounted monitor.
4. Provide UPS Battery Backup failure relays and alarms at all PLC's and PC's.
5. Provide power quality monitors at each raw water well and treatment plant which can be monitored and trended.
6. Provide new level and temperature sensors at each EWST. Any RTU must be protected from water.
7. Integrate well pump Variable Frequency Drives (VFD) to provide more in-depth operating statuses and alarms.
8. All existing processes must integrate with new system.
9. Provide for monitoring the statuses of Hydrous Manganese Oxide (HMO) Mixers and HMO dosing pump VFD's.
10. Provide for updating the backwash controllers at each water treatment plant and integrate filter bank meters signals to PLC's, must also have the ability to bypass filter banks during backwash.
11. Provide for a level transducer for Well 4.
12. Utilize most current, proven technology that is easy to expand and upgrade.
13. Expandability - Design the project with the idea that future remote stations and I/O may be added and integrated in the future.
14. All equipment must be new, no refurbished or recertified.
15. All wires/cables shall be routed in appropriate conduit and follow NEC.
16. Provide solution for well interlock at the West WTP Sodium Hypo pump control panel which will allow metering pumps to be read and maintain electrical interlock when wells are not operating.
17. Provide for spare radios of any type proposed for the project; i.e. if microwave proposed for communication between WTP's provide a spare, as well as a spare for proposed radio for other remote sites.
18. Village is adding new CL-17's to existing system. Controllers are furnished with Ethernet outputs as well as 4-20 mA outputs. Initial installation will utilize 4-20 outputs; with upgrade we will utilize the Ethernet outputs.

## Alarms