

**RESOLUTION NO. 2026-03**

**A RESOLUTION OF THE RAINBOW WATER DISTRICT AWARDING A CONTRACT TO OS ENGINEERING FOR IGNITION SCADA UPGRADE**

WHEREAS, Rainbow Water District (“the District”) is a domestic water supply district organized under Oregon Revised Statutes (ORS) Chapter 264, and ORS 263.410 provides that “the power and authority given to districts is vested in and shall be exercised by a board of five commissioners, each of whom shall be an elector of the district”, and

WHEREAS, the Board of Commissioners also serves as the Local Contract Review Board, and for contracts less than \$25,000 ORS 279B.065 provides that contracting agencies may award a contract for public goods or services in any manner deemed practical or convenient including by direct selection or award, and

WHEREAS, the District needs to upgrade the Ignition SCADA (Supervisory Control and Data Acquisition System) software from version 7.9.16 to version 8.3.3 to continue receiving regular feature and security updates, and to program new screens for presenting data from the Ignition Perspective module on mobile displays, and

WHEREAS, OS Engineering of Springfield, Oregon, is the designated control systems integrator for the District, and has proposed to do the necessary work for the firm, fixed price of \$16,750, and

WHEREAS, adequate funds are available for this project from funds set aside for Materials and Services in the adopted Water Operating Fund budget for fiscal year 2025-26, and

THEREFORE, be it resolved that the Board of Commissioners and Local Contract Review Board of Rainbow Water District awards the contract for Ignition SCADA Upgrade to OS Engineering of Springfield, Oregon, and authorizes expenditures up to a total of \$20,000 in the event District staff request any needed supplemental work beyond the quoted scope.

ADOPTED by a vote of \_\_\_\_ Yes votes and \_\_\_\_ No votes, this 11<sup>th</sup> day of March, 2026.

\_\_\_\_\_  
Marla Casley, President  
Board of Commissioners

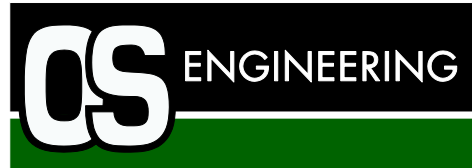
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Marla Casley, President  
Local Contract Review Board

ATTEST:

ATTEST:

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James Burrington, Secretary-Treasurer  
Board of Commissioners

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James Burrington, Secretary-Treasurer  
Local Contract Review Board



## PROPOSAL FOR ENGINEERING SERVICES

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August 28, 2024

Proposal 26-0082-00

Rainbow Water District  
1550 N 42<sup>nd</sup> St.  
Springfield, OR 97477

Attn: Eric Carlson

### **RE: PROPOSAL FOR IGNITION UPGRADE**

Dear Eric,

This proposal presents our approach to upgrading your existing Ignition 7.9.16 installation to the latest version, 8.3.3, of the software.

### **INTRODUCTION**

RWD's Ignition SCADA system is currently operating on version 7.9.16. Version 7.9 has reached end of life and is no longer receiving regular feature and security updates. The goal of this project is to upgrade both the main office Ignition gateway and the Chase WTP Ignition gateway to version 8.3.3 and transition the existing mobile application to Ignition's modern Perspective module.

Because RWD maintains upgrade protection and support through Inductive Automation, the required module upgrades - including Perspective - are available at no additional licensing cost.

Specific project objectives include:

- Upgrade Ignition from version 7.9.16 to 8.3.3 for both Ignition gateways
- Migrate the existing mobile application from the legacy Mobile Module to Perspective
- Validate and update the primary Ignition project to ensure compatibility with 8.3.x
- Configure the "local client fallback" feature at the Chase WTP Ignition installation, allowing for primary use of the main Ignition project (showing the entire system) with automatic fallback to the local Chase WTP project during communication loss events.
- Provide on-site commissioning and verification

## **PROJECT APPROACH**

The project will be performed in the following general order:

1. Backup/export the existing Ignition 7.9 gateways
2. Restore the backups in a development environment running Ignition 8.3.3
3. Perform gateway conversion and resolve any upgrade-related issues
4. Re-create approximately 10 screens from the existing RWD Mobile project within a new Perspective project
5. Modify any project scripts referencing obsolete system functions to utilize updated scripting methods (anticipated to be limited in scope)
6. Verify UDT structures and parameters function as expected
7. Review all project windows to ensure fonts, text sizing, and layout remain appropriate following platform font updates
8. Install Ignition 8.3.3 on the production servers
9. Restore the validated gateway backup to the production environment
10. Enable local client fallback on the Chase WTP gateway
11. Assist with installation and configuration of the Perspective mobile app on user devices
12. Perform on-site commissioning (up to two days total)

## **SCOPE OF WORK**

Our proposal includes all the time and expenses necessary to complete the system upgrade, including sufficient time for commissioning.

OS Engineering will provide the following services as part of this project:

### *Ignition Upgrade*

OS Engineering will restore a backup of the existing 7.9 gateway into a development environment running Ignition 8.3.3. During this process, the project will be validated to ensure compatibility with the new platform. As part of the 7.9 to 8.x transition, the legacy Mobile Module has been discontinued and replaced by the Perspective module. Approximately ten mobile screens will be re-created within a new Perspective project to maintain equivalent mobile functionality.

Additionally, we will review and refactor any deprecated scripting functions, validate UDT structures, and confirm that visual elements render properly under the updated font and UI framework used in Ignition 8.x.

### *On-Site Commissioning*

Following successful validation, OS Engineering will coordinate the production cutover with RWD. We will restore the validated project to the production servers and verify PLC communications, client launch functionality, alarming, historian operation, and mobile connectivity. Up to two days of on-site commissioning are included.

## **EXCLUSIONS**

This proposal does not include hardware procurement or installation. No new feature development or functional enhancements beyond those required for version compatibility are included. RWD's existing Ignition licenses will be utilized.

## **ASSUMPTIONS**

In preparing this proposal, we have made the following assumptions.

- The upgrade will be validated in an off-site development environment prior to production deployment
- On-site commissioning will be completed within two working days
- The scope of scripting modifications will be limited to addressing deprecated functions and updating legacy reports.
- The number of mobile screens to be re-created in Perspective is approximately ten

## **COMPENSATION**

Based on the above Scope of Work, we propose to perform this work for the firm, fixed price of **\$16,750**.

## **SCHEDULE**

OS Engineering is prepared to begin work on this project within four weeks of a Notice to Proceed. We anticipate that the overall effort will take approximately four weeks to complete.

## **STAFF**

The project team for this work is expected to consist of Jeremy Browning, Brian McEnulty, P.E. and with support from other staff members as necessary.

## **CONCLUSION**

We look forward to working with you on this project and appreciate your confidence in OS Engineering. Please let us know if you have any questions regarding this proposal or require any clarifications or additional information.

Sincerely,

Brian McEnulty, PE  
OS Engineering