

PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY
BOARD OF DIRECTORS MEETING
June 5, 2026

CONSENT AGENDA
ITEM 4

SCADA Software Conversion Project

Recommended Action -

Motion to approve and authorize the Executive Director to execute a work order for the SCADA Software Conversion Project with McKim & Creed, Inc. under their Continuing Service Contract with an amount not-to-exceed \$523,385.90.

The Authority currently utilizes iFix software for its Supervisory Control and Data Acquisition (SCADA) platform. This system relies heavily on legacy Visual Basic (VB) scripting, a language Microsoft is systematically phasing out in favor of more secure and efficient frameworks. Because modern hardware and operating systems are no longer optimized for this format, any hardware update now requires a comprehensive rebuild of the SCADA application. Given that a total system reconstruction is required regardless of the software chosen, staff have evaluated the best long-term platform for the Authority's needs. A proactive conversion to VTScada as the foundation for this rebuild is recommended. This move aligns the Authority with neighboring governing counties, many of whom are currently using VTScada. Adopting this platform ensures long-term software support, enhances regional interoperability, and replaces custom, fragile scripting with more standardized non-proprietary functionality. By migrating now, the Authority eliminates the technical challenges with the iFix environment and ensures the new SCADA architecture is fully compatible with modern hardware and current cybersecurity standards. Funds for this item are available in the Authority's 2026 R&R budget.

The work order will be conducted under the Agreement for As-Needed Water Facility Instrumentation and Control Systems and Low/Medium Duty Electrical Services between Peace River Manasota Regional Water Supply Authority and McKim & Creed, Inc. dated December 1, 2021 in the amount of \$523,385.90. This includes \$20,000 in Owner's Allowance which may be used only with prior written approval of the Authority.

Budget Action – None. Funds allocated in FY 2026 R&R budget.

Attachments:

McKim & Creed Scope and Fee Proposal

April 16, 2026

Mr. George Pennell
Peace River Manasota Regional Water Supply Authority
8998 SW Authority Road 769
Arcadia, FL 34269

RE: iFix to VTScada Conversion

Dear Mr. Pennell,

Per your request, we are pleased to offer the following scope for your consideration.

If you have any questions, or require additional information, please feel free to give me a call.

Sincerely,



Mike Stoup, PE
Vice President and E&I Group Manager

Enclosures

cc: Proposal File

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**PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY
IFIX TO VTSCADA CONVERSION
PROJECT SCOPE**

April 16, 2026

I. PROJECT DESCRIPTION

Peace River has an existing iFix SCADA software system, and there are concerns about the future of the product after its recent sale by General Electric. Peace River has decided to replace the iFix SCADA software system with VTScada software system to avoid future issues with the longevity of the iFix product.

McKim & Creed's approach to this conversion will be to review and document the existing iFix application, conduct a workshop with key Authority stakeholders to identify desired improvements to the SCADA system, and develop the VTScada application accordingly. Our approach is to install the VTScada system in parallel with the existing iFix system to minimize plant downtime and give the operators an opportunity to learn how to run the plant on the new VTScada system while they ensure all functionality is in place. Upon acceptance of the VTScada system by the Authority, the existing iFix system will be decommissioned by McKim & Creed.

II. SCOPE OF SERVICES

TASK 1 – Project Management

- A. Provide project management for the project. This will include project setup and coordination as well as QA/QC for project deliverables.
- B. Participate in a project kick-off meeting with the Authority to review the scope, schedule and budget of the project as well as identify the goals of the project.
- C. Conduct project status update meetings as necessary throughout the duration of the project to review the current project status and maintain a positive project execution.
- D. Monthly invoicing representative of the progress of the project.

TASK 2 – VTScada Application Development and Migration

- A. Review the existing iFIX application to identify system functionality, screen layouts, tag counts/configuration, and scripting. Existing

scripting will be evaluated and replicated utilizing existing VTScada functionality where necessary.

- B.** Conduct a one-day workshop with key stakeholders from the Authority to review the current SCADA functionality and identify desired improvements and confirm system expectations for the new VTScada application.
- C.** Procure the VTScada licenses and apply them to the application. The licenses will support the tags required and be deployed as redundant servers. The VTScada license will include a redundant development server capable of 25,000 tags and unlimited clients.
- D.** Develop the VTScada application to mimic the existing iFix functionality and incorporate the desired items from the workshop. We will use the power of VTScada and its widget functions to minimize the number of screens. We have reviewed the existing application development items and will provide the following:
 - 1) HMI Graphic Screens – 200 Total
 - i. Up to 100 graphics screens
 - ii. Up to 30 widgets
 - iii. Up to 30 pop-up screens
 - iv. Up to 40 premade data trends
 - 2) Up to 12,000 SCADA tags
- E.** Install and configure the VTScada application on servers provided, installed, and configured by the Authority.
- F.** Deploy the application to the plant and connect it to the field PLC network so the iFix and VTScada systems will run in parallel. In some cases, network or PLC limitations may prevent both systems from communicating with the same field devices simultaneously. If this occurs, we will be unable to run parallel systems, and additional services required to address these conditions may require a scope and fee adjustment.
- G.** Modify up to 26 premade reports in XLReporter to use data from VTScada after the system is accepted.
- H.** Provide forty (40) hours of informal training to the operators to instruct them on how to operate the plant using the VTScada system and how to import and export data.
- I.** SCADA data for the last five (5) years will be imported from the iFix historian system into the VTScada historian.

- J. Address punch list items as identified in the first month of system operation.
- K. System acceptance will occur after one (1) week of successful operation with the plant operating exclusively on the VTScada system. Upon acceptance of the VTScada system by the Authority, the iFix system will be removed within two (2) weeks of system acceptance.

TASK 3 – SCADA Standards Update

- A. Update the existing SCADA written standards to reflect the new VTScada software and system architecture

TASK 4 – Owner’s Allowance

- A. An owner directed allowance is provided for \$20,000. This allowance will only be used upon direction of the Authority and will be billed as T&M at our current contract rates.

III. ASSUMPTIONS and CLARIFICATIONS

- A. This proposal is valid for 60 days.
- B. The network hardening will be complete before the VTScada is deployed to the field.
- C. All computer, server, and networking hardware will be provided, installed and configured by the Authority.
- D. Substantial functional changes to how the SCADA system operates are not included.
- E. We have not included additional licensing for XLReporter.
- F. Remote alarm notification is not included.

IV. PROJECT SCHEDULE

McKim & Creed will coordinate with the Authority to determine a mutually agreeable schedule. We have estimated anticipated project milestones below and their completion days after notification to proceed.

Project Milestone	Days after NTP
Kick-off meeting	5
Software design workshop	15
Development of SCADA Application	240
Deployment to site for testing	250
Address punch list items	280
System acceptance	290

V. FEE

McKim & Creed will provide the scope of services above for the lump sum fee of \$523,385.90. A breakdown of the fees is provided below for convenience.

Task	Description	Fee
1	Project Management	\$21,173.75
2	SCADA Migration	\$457,616.15
3	SCADA Standards Updates	\$24,596.00
4	Owner's Allowance (T&M)	\$20,000.00