

Information Paper

4 March 2026

SUBJECT: Kent County Water Authority (KCWA) Water Connection & Pump Station – RIARNG Readiness Center, Coventry, RI

Purpose

To provide senior leader awareness of the project to connect the Rhode Island Army National Guard (RIARNG) Readiness Center in Coventry to the Kent County Water Authority (KCWA) municipal water system and replace the installation's aging water supply infrastructure.

Background

The RIARNG Readiness Center in Coventry currently relies on three on-site drinking water wells and an aging pump station to provide potable water for the facility. These systems have become increasingly unreliable and require significant maintenance to keep operations running.

RIARNG is undertaking a project to connect the facility to the KCWA municipal water system. Construction will include a modern booster pump station, electric generator, and SCADA monitoring systems.

The project expands KCWA's distribution infrastructure by installing approximately 3,100 feet of new water main and modern water system controls. The new pump station strengthens the local water system by improving pressure, supporting fire protection, and modernizing infrastructure in the Read Schoolhouse Road area. The project provides long-term water system improvements to the Town of Coventry without requiring local capital investment.

Project Scope

The project includes several key infrastructure improvements:

- Installation of approximately 3,100 linear feet of new 8-inch ductile iron water main connecting the Readiness Center to KCWA infrastructure.
- Construction of a prefabricated booster pump station with pumps, valves, meter, hydropneumatic tank, HVAC, electrical service, and instrumentation controls.
- Installation of SCADA monitoring systems, valves, hydrants, and associated water system components.
- Installation of an emergency diesel generator to maintain water system operations during power outages.
- Decommissioning and demolition of the existing pump station, three water supply wells, and a 12,000-gallon underground storage tank.
- Restoration of roadways, utilities, and affected areas following construction.

The new water main will run along Read Schoolhouse Road and Nike Site Road to the pump station site supporting the Readiness Center.

Operational Benefits

This project will significantly improve installation resilience and operational capability by:

- Providing a reliable municipal water source for the Coventry Readiness Center
- Eliminating reliance on aging wells and pump infrastructure
- Improving fire protection capacity and water pressure
- Enabling remote monitoring of system performance through SCADA
- Increasing infrastructure resilience through backup generator power

These improvements reduce operational risk and support long-term readiness of the installation.

Current Status

Design documents and specifications were completed by Pare Corporation in July 2025, and the project is proceeding through the State of Rhode Island public works procurement process.

Way Ahead

Following contractor selection and issuance of a Notice to Proceed, construction will begin with water main installation and pump station construction. Upon completion (estimated for December 2026), the existing wells and pump station will be permanently decommissioned, and the installation will transition to the KCWA municipal water system.