



BOARD OF WATER COMMISSIONERS

Date: July 14, 2026



AGENDA



- 01 Approval of the Minutes of the regular meeting of June 16, 2026
- 02 Approval of Financial Report for the month of May
- 03 **DISCUSSION ITEM:** Data Diode Security Solution Overview
- 04 **ACTION ITEM:** Pertaining to Amendment No. 1 to Contract 4889 with Waterfall Security Solutions Ltd. to establish a five-year term and add support for the OPC-UA connector module.
PUBLIC HEARING on Waterfall Security Solutions Contract - Each person who would like to speak will need to sign in and will have 2 minutes
- 05 General Manager's Report

UNIDIRECTIONAL DATA DIODE SECURITY SOLUTION OVERVIEW

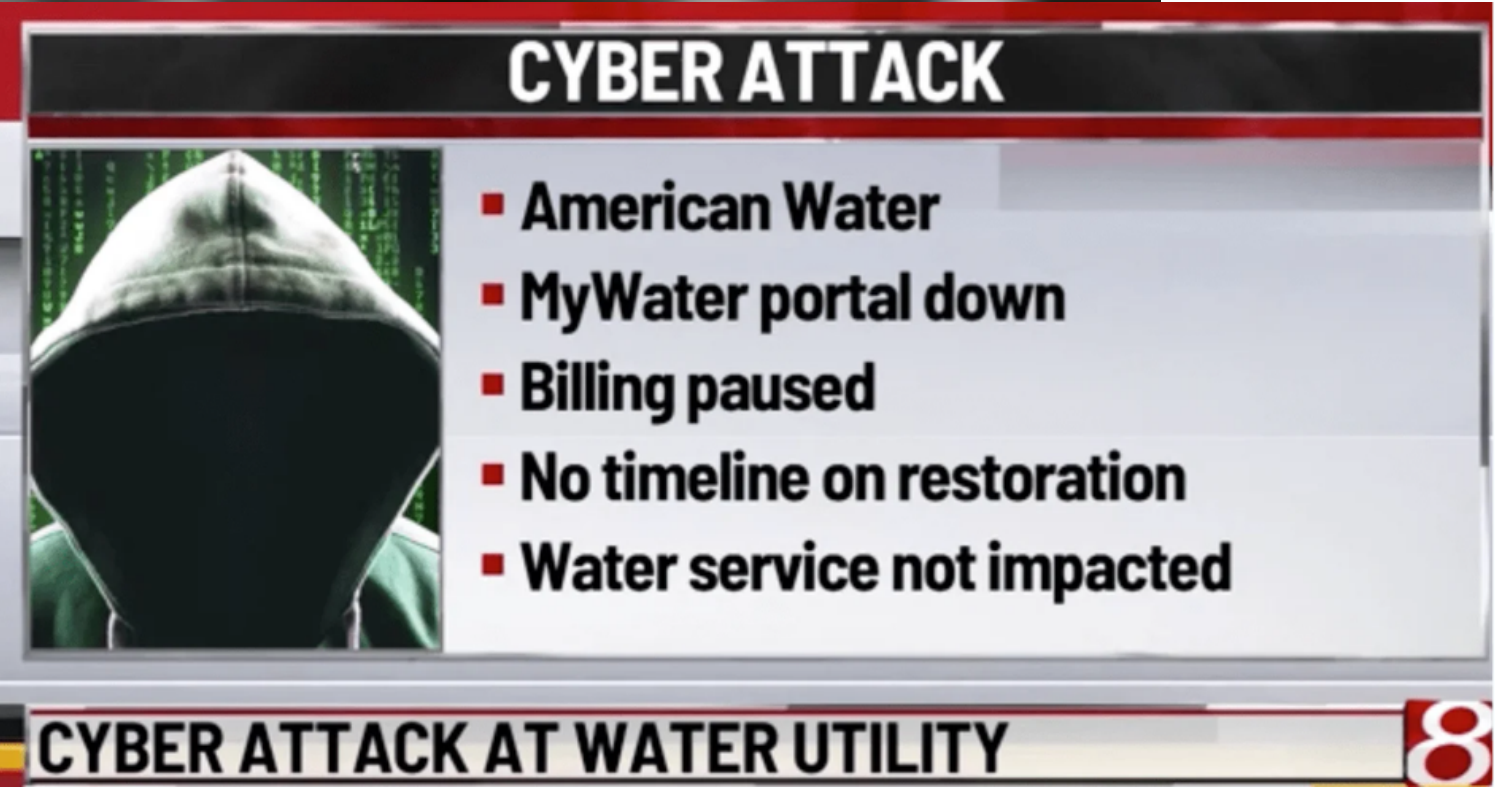
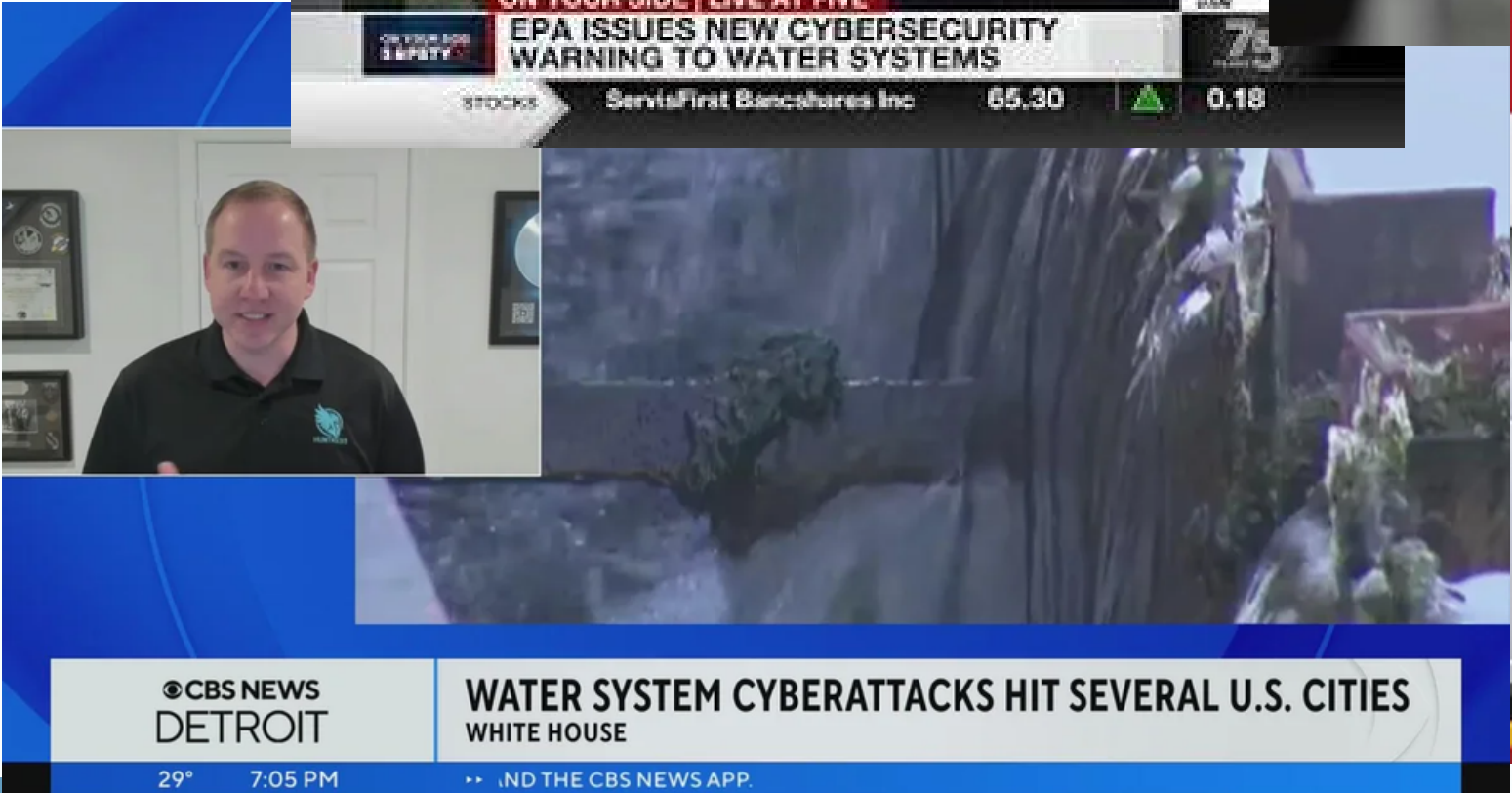
- **Hardware-enforced one-way communication** – A unidirectional data diode allows data to flow only from the SCADA network to the business network, physically preventing any inbound communication.
 - Provides the highest level of network isolation – Unlike firewalls, security is enforced by hardware rather than software or configurable rules, making reverse communication physically impossible.
- **Protects critical plant operations** – Isolates the SCADA environment that manages much of SPRWS's supply, treatment, and distribution infrastructure from cyber threats originating on the business network.
- **Enables secure data sharing** – Supports operational monitoring, reporting, analytics, and business applications by allowing plant data to be shared without exposing control systems to remote access or malware.



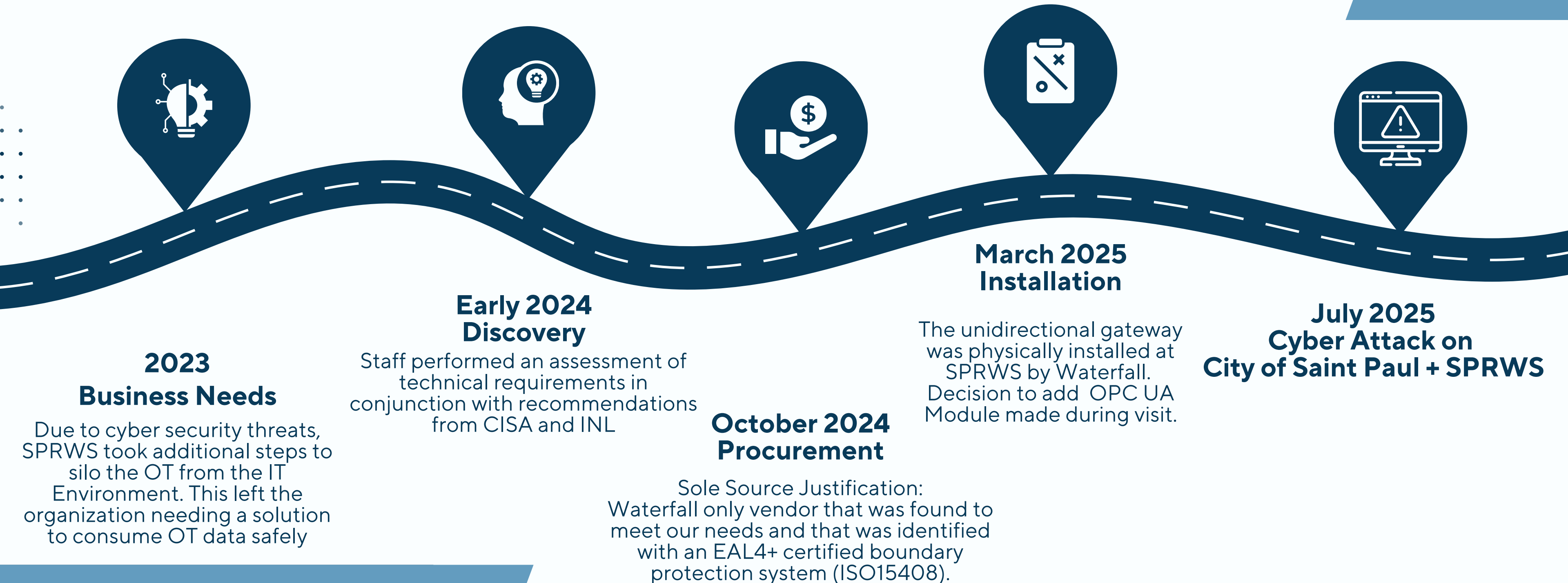
CYBER THREATS FOR WATER UTILITIES

“Utilities clearly recognize the importance of investing in technology and cybersecurity, but many still face real challenges in execution”
- Nicholas Santillo Jr. Former Chair, Water Sector Coordinating Council

2026 American Water Works
State of the Industry Report



TIMELINE



TIMELINE CONTINUED



Summer 2025 Initial Concerns Shared by Customers

Concerns first shared regarding Waterfall Security Solutions being headquartered in Israel and the use of sole source



September 2025 Decision to Issue RFI

Resolution # 25-1420

Directs staff to issue a request for information (RFI) to evaluate alternative solutions that meet technical requirements.

October 20th - November 14th



January 2026 RFI Results + Decision to Issue RFP

Event 1652: RFI issued
SPRWS received 3 responses

Resolution # 26-77
Directs staff to initiate a Formal Request for Proposal (RFP) for a secure OT to IT data transfer solution.

Issue RFP in March/April
Bring results in July

April 13th - May 15th



July 2026 RFP Results + Decision

REQUEST FOR PROPOSALS



Evaluation Committee

Martha Burckhardt- SPRWS IS Manager
Nick Sprenke- SPRWS Cyber Security Lead
Todd Freking- SPRWS SCADA Lead
Steve Crumley- Minneapolis Water IT Manager



Scoring Criteria

Category	Points
Approach or Solution	10
Scope of Services	40
Responder Qualifications	20
Cost Score	30
TOTAL	100

EVALUATION

REQUEST FOR PROPOSALS



Final Scores

Category	Potential Points	Owl Cyber Defense	Waterfall Security Solutions	Vertosoft
Total Ongoing Cost (Now Moving Forward)	100	57	87	55
Total Cost of Ownership (Includes Sunk Implementation Cost)	100	65	71	65

Regardless if previously spent implementation costs were included or not, Waterfall Security Solutions received the highest rating.

This resulted from them scoring significantly higher on the technical components.



WATERFALL INITIAL CONTRACT

CONTRACT 4889



Contract Duration

Indefinite



Purchase + Install

\$74,035



Annual Vendor Support

WF-500 Gateway
+ SQL Connector
(sends data only)

\$9,200.25/year

WATERFALL CONTRACT AMENDMENT

AMENDMENT NO. 1 TO CONTRACT 4889



Contract Duration

Amend the indefinite agreement period to be a 5-year term



Vendor Support

Add support for the OPC-UA connector module (sends read only screens)

Had previously added this on (Spring 2025) after original contract.

Provide Annual Standard Support Plan (WF-NSSP) for the existing WF-500 Unidirectional Security Gateway with SQL connector, covering the period September 1, 2026, through August 31, 2031 (five years).

\$9,200.25/year

Provide Annual Standard Support Plan (WF-NSSP) for the OPC-UA connector module (Waterfall for OPC UA), covering the period September 1, 2026, through August 31, 2031 (five years).

\$4,875.00/year

TOTAL: \$14,075.25/year

* 5 Years

= \$70,376.25