



**CITY COUNCIL MEETING
STAFF REPORT**

Meeting Date: April 6, 2026		Subject: Resolution No. 3259 Authorizing the City Manager to Execute a Goods and Services Contract with Trojan Technologies for Procurement of Ultraviolet Disinfection Equipment as part of the Wastewater Treatment Plant Backup Ultraviolet Disinfection System Replacement Project (Capital Improvement Project #2109)	
		Staff Member: Mike Nacrelli, PE, Senior Civil Engineer	
		Department: Community Development	
Action Required		Advisory Board/Commission Recommendation	
<input checked="" type="checkbox"/> Motion <input type="checkbox"/> Public Hearing Date: <input type="checkbox"/> Ordinance 1 st Reading Date: <input type="checkbox"/> Ordinance 2 nd Reading Date: <input checked="" type="checkbox"/> Resolution <input type="checkbox"/> Information or Direction <input type="checkbox"/> Information Only <input type="checkbox"/> Council Direction <input checked="" type="checkbox"/> Consent Agenda		<input type="checkbox"/> Approval <input type="checkbox"/> Denial <input type="checkbox"/> None Forwarded <input checked="" type="checkbox"/> Not Applicable	
		Comments: N/A	
Staff Recommendation: Staff recommends Council adopt the consent agenda.			
Recommended Language for Motion: I move to adopt the consent agenda.			
Project / Issue Relates To:			
<input type="checkbox"/> Council Goals/Priorities:	<input checked="" type="checkbox"/> Adopted Master Plan(s): 2023 Wastewater Treatment Plant Master Plan – Project #7	<input type="checkbox"/> Not Applicable	

ISSUE BEFORE COUNCIL:

A City of Wilsonville resolution authorizing the City Manager to execute a Goods and Services Contract with Trojan Technologies for the procurement of ultraviolet disinfection equipment as part of the Wastewater Treatment Plant (WWTP) Backup Ultraviolet (UV) Disinfection System project (Project).

EXECUTIVE SUMMARY:

This Project implements the replacement of the backup UV disinfection system at the WWTP identified in the 2023 Wastewater Treatment Plant Master Plan. The backup UV system (installed in 1993) has failed and is no longer supported by the vendor and therefore needs to be replaced. Replacing this failed backup system is critical to providing redundancy and reliability for the disinfection of treated wastewater effluent to protect public health and the environment.

A Preliminary Design Report (PDR) was completed in August 2024 to evaluate the most suitable options for replacing the backup UV system at the WWTP. After evaluating technical and cost information provided by three established vendors of UV systems, the PDR recommended procurement of the Trojan system, due to lower anticipated long-term maintenance costs, avoids use of specialized equipment for UV bank removal, and easier (safer) maintenance access.

On December 15, 2025, Council approved Resolution No. 3231 authorizing a sole-source procurement of the preferred UV disinfection system from Trojan Technologies. With assistance from the design consultant, Brown and Caldwell, staff has negotiated the pricing, technical specifications, and contract terms with Trojan Technologies for purchase of the UV disinfection equipment. The purchase agreement with Trojan Technologies will ultimately be incorporated into the final bid documents and assigned to the construction contractor, who will be selected through a standard competitive construction bidding process.

The City published a notice of intent to proceed with the sole-source procurement from Trojan Technologies on March 4, 2026, pursuant to Oregon Administrative Rule 137-047-0275, and did not receive a protest within the required 7-day period.

EXPECTED RESULTS:

The Project will provide system redundancy and capacity expansion for disinfection process at the City WWTP, to meet applicable discharge permit requirements for treatment of existing and future wastewater flows.

TIMELINE:

The equipment procurement process will be completed in early 2026. Final design of the Project is scheduled to be completed by August 2026, with construction anticipated for completion by September 2027.

CURRENT YEAR BUDGET IMPACTS:

The Fiscal Year 2025-26 (FY26) budget for Capital Improvement Project (CIP) #2109, which includes \$479,680 in sewer operating funds, will not be impacted by execution of the procurement agreement. The disinfection system procurement will be incorporated into the construction contract, which is anticipated for Fiscal Year 2026-27 (FY27) and is budgeted as part of the City's five-year capital improvement plan. Sewer operating funds for construction of the Project, including disinfection system procurement, will be included in the FY27 budget.

COMMUNITY INVOLVEMENT PROCESS:

Staff will provide regular Project updates on the City web site, as the Project progresses.

POTENTIAL IMPACTS OR BENEFIT TO THE COMMUNITY:

Treated wastewater effluent disinfection is essential to protecting public health and the environment, in accordance with state and federal requirements. This Project will ensure adequate wastewater disinfection capacity now and into the future, serving anticipated growth through the year 2045.

ALTERNATIVES:

Instead of approving the procurement agreement, Council could direct staff to either renegotiate the contract terms with Trojan Technologies or to proceed with design assuming the preferred equipment and allow construction bidders to propose alternate systems that meet the design specifications. Staff does not recommend either alternative, as the design consultant and staff have compared the terms and cost to similar projects and believe the contract to be reasonable and fair for purchase of the UV equipment. In addition, post-bid design changes may be necessary to accommodate a different UV disinfection system, incurring additional design costs, delay in the construction schedule, and potentially increased maintenance costs.

CITY MANAGER COMMENT:

N/A

ATTACHMENTS:

1. Resolution No. 3259
 - A. Goods and Services Contract with Trojan Technologies (CIP 2109)