



**CITY COUNCIL MEETING  
STAFF REPORT**

<b>Meeting Date:</b> February 3, 2025		<b>Subject: Resolution No. 3175</b> Authorizing the City Manager to execute a Professional Services Agreement with Brown and Caldwell to Provide Engineering Consulting Services for the Wastewater Treatment Plant Backup Ultraviolet System Replacement Project (CIP No. 2109)  <b>Staff Member:</b> Mike Nacrelli, PE, Senior Civil Engineer  <b>Department:</b> Community Development	
<b>Action Required</b>		<b>Advisory Board/Commission Recommendation</b>	
<input checked="" type="checkbox"/> Motion <input type="checkbox"/> Public Hearing Date: <input type="checkbox"/> Ordinance 1 <sup>st</sup> Reading Date: <input type="checkbox"/> Ordinance 2 <sup>nd</sup> 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  <b>Comments:</b> N/A	
<b>Staff Recommendation:</b> Staff recommends Council adopt the Consent Agenda.			
<b>Recommended Language for Motion:</b> I move to adopt the Consent Agenda.			
<b>Project / Issue Relates To:</b>			
<input type="checkbox"/> Council Goals/Priorities:	<input checked="" type="checkbox"/> Adopted Master Plan(s): WWTP Master Plan 2023 – Project #7	<input type="checkbox"/> Not Applicable	

**ISSUE BEFORE COUNCIL:**

A City of Wilsonville Resolution approving a Professional Services Agreement (PSA) with Brown and Caldwell in the amount of \$652,049 for the Wastewater Treatment Plant (WWTP) Backup Ultraviolet (UV) System Replacement (Project), Capital Improvement Project (CIP) No. 2109.

**EXECUTIVE SUMMARY:**

This project implements the replacement of the backup Ultraviolet (UV) disinfection system at the Wastewater Treatment Plant (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.

Staff issued a Request for Proposals (RFP) in August 2024 for professional engineering services for the Project, including design, construction document preparation, bidding assistance, and construction administration and inspection. One proposal was received by the September 19, 2024 due date. Staff evaluated the submitted proposal and determined that Brown and Caldwell was qualified to perform engineering consulting services for the Project.

**EXPECTED RESULTS:**

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

**TIMELINE:**

The design phase of the Project is scheduled to be completed by March 2026, with construction anticipated for completion by December 2027.

**CURRENT YEAR BUDGET IMPACTS:**

The amended budget for Fiscal Year 2025 includes \$269,603 in Wastewater Operating funds for capital improvement project (CIP) #2109. The contract amount for engineering services is \$652,049. The Project is included in the City’s five-year capital improvement plan and will carry into subsequent fiscal years.

**COMMUNITY INVOLVEMENT PROCESS:**

Staff will provide regular Project updates on the City’s 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:**

The Project will analyze alternative suppliers of UV disinfection systems to determine the best product to meet the City’s current and future wastewater treatment needs.

**CITY MANAGER COMMENT:**

N/A

**ATTACHMENTS:**

1. Location Map
2. Resolution No. 3175
  - A. WWTP Backup UV System Replacement Professional Services Agreement