



DATE: 7/21/26

TO: Public Works Committee

FROM: Jordan Skiff, Wastewater Superintendent

SUBJECT: Resolution 69-26-27—Pre-Selecting the Trojan UV Signa system

ISSUE: Should the Public Works Committee recommend approval of pre-selecting the Trojan UV Signa system as the core of a proposed 2027 WWTP transition to UV disinfection?

STAFF RECOMMENDATION: Staff recommends approval.

BACKGROUND/DISCUSSION: At the August 3rd City Council meeting, I plan to ask for approval to have Strand Associates design our UV project around Trojan's system. While the \$6.39 million construction project isn't projected to start until late 2027 (at the earliest), identifying the system we intend to use will allow Strand to tailor their design to this system, use system details in communications with the DNR, fine-tune construction cost estimates, etc.

Strand solicited quotes from the two primary manufacturers of UV equipment, Trojan and Wedeco. They requested two quotes from each: one that meets Build America/Buy America (BABA) requirements and one that does not. BABA compliance is required if we decide to pursue a Clean Water Fund loan (with possible principal forgiveness) to pay for this project, but BABA compliance also adds significant expense and lead times to the project. We will work with Finance, Ehlers and Strand to determine the best course for the City as the financing process plays out.

For now, however, the quotes showed that Trojan's quote offered a lower cost, more disinfection capability, energy savings, and a performance guarantee. Trojan is the most common system in the U.S., and completed extensive homework at our Plant before submitting their proposal.

IF APPROVED, NEXT STEPS: Strand will continue to develop construction drawings, DNR correspondence and project cost estimates specifically with the Trojan system in mind. The 2027 CIP will reflect the updated cost estimate and proposed financing method for the project.

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