



CITY OF HENDERSONVILLE AGENDA ITEM SUMMARY

SUBMITTER: Adam Steurer, Utilities Engineer **MEETING DATE:** October 6, 2022
AGENDA SECTION: Consent Agenda **DEPARTMENT:** Utilities
TITLE OF ITEM: Justification for the Sole Source Purchase of UV Disinfection Equipment for the UV Improvements Project- *Adam Steurer, Utilities Engineer*

SUGGESTED MOTION(S):

I move City Council adopt the *Resolution by the City of Hendersonville City Council to Authorize the Sole-Source Purchase of UV Disinfection Equipment for the UV Improvements Project* as presented.

SUMMARY:

The City uses ultraviolet (UV) disinfection at its wastewater treatment facility (WWTF) to disinfect treated wastewater before discharging to the receiving Mud Creek. The existing equipment was commissioned in 2001 and is in need of replacement due to unreliable operation, significant wear, lack of redundancy, damage potentially related to lightning strikes, and the increasing cost of continued maintenance. The existing equipment is a UV4000 system manufactured by Trojan Technologies™.

NCGS 143-129(e) lists the authorized exceptions to the formal bid procedures. NCGS 143-129(e)(6) allows for purchases of apparatus, supplies, materials, or equipment to be purchasing using sole-source exception when: (i) performance or price competition for a product are not available; (ii) a needed product is available from only one source of supply; or (iii) standardization or compatibility is the overriding consideration. The governing board of a political subdivision of the State shall approve the purchases listed in the preceding sentence prior to the award of the contract.

In this case, Utility Staff and project engineer, McKim & Creed, Inc. are requesting to standardize on UV equipment by asking that Council approve the sole source purchase of UVSigna disinfection equipment manufactured by Trojan Technologies™. The UVSigna system has the lowest 20-year net present value of capital and O&M costs versus comparable equipment, is compatible with the existing UV4000 system, which will be used as a backup for redundancy after project completion and provides equipment familiarity for operations staff.

BUDGET IMPACT: \$564,720.00

Is this expenditure approved in the current fiscal year budget? Project is funded through a CPO.

If no, describe how it will be funded.

ATTACHMENTS:

Resolution

Sole-source Justification letter from McKim & Creed, Inc.

EW2 Environmental sole-source letter from Trojan Technologies™

Scope of Supply for Trojan Technologies™ UVSigma Disinfection Equipment