



REPORT TO: STILLWATER UTILITIES AUTHORITY

MEETING DATE: OCTOBER 18, 2021

<p>Agenda Item:</p>	<p>5a. SUA-21-46</p>
<p>Background / Issue:</p>	<ul style="list-style-type: none"> • To ensure that sufficient disinfectant residual is maintained, Water Utilities staff flush the system through hydrants. • Maintaining chloramine residual in the system, especially in the far reaches of the system and in the older part of town, requires significant effort by Water Utilities staff. • Black and Veatch demonstrated that the City’s chlorine residual could be improved by addition of certain chemicals. Staff plans to bring agreements for design of these chemical addition improvements for approval by the Trustees in the near future. <p>A project is necessary in order to:</p> <ul style="list-style-type: none"> • Maximize the disinfectant residual quality and stability in the distribution system. • Ensure that ODEQ regulations can be met efficiently and cost effectively.
<p>Proposal/Solution:</p>	<p>To address these needs, staff proposes to engage an engineering firm to provide field services, expertise, and recommendations. The project will include:</p> <ul style="list-style-type: none"> • A comprehensive quarterly water system sampling profile. • Analysis of existing water quality issues observed. • A plan for improving water quality, including recommendations of operational improvements, infrastructure improvements, and recommendations on prioritizing and triggers to implement each improvement. • A rebuild of the City’s water model to support sample analysis and predict the impacts of proposed improvements.

	<p>Black and Veatch was selected to complete the project, based on qualifications submitted through the City’s RFP process.</p> <p>A scope and fee has been negotiated with Black and Veatch to perform the project for a cost not to exceed \$840,000. Staff will return to SUA with a request for expenditures for construction, if required.</p> <p>A new software license for the City’s water distribution model is required for the project. Staff will review available software packages. Software costs are expected not to exceed \$40,000. The software license will require future recurring costs of \$7,000 annually.</p>
Financial Impact/Funding Source(s):	Funds for the project will be appropriated from the Water Fund, which contains sufficient funds to complete the work.
Strategic Plan Alignment:	#4 Connected Spaces: To develop a strong sense of place that recognizes the interconnectedness of people, buildings and public systems (such as transportation, utilities and parks) that best serve the needs of the public.
Recommended Action/Motion:	<p>Motion to:</p> <ul style="list-style-type: none"> • Agenda Item 5a: Approve budget amendment appropriating \$970,000 for a water quality study. • Agenda Item 5b: Approve professional services agreement with Black and Veatch, Inc. to conduct a water quality study in an amount not to exceed \$840,000. • Agenda Item 5c: Approve purchase of water modeling software in an amount not to exceed \$40,000.
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Submitted By:	Norman McNickle, City Manager
Attachment(s):	Budget Amendment Presentation