



**REPORT TO: STILLWATER UTILITIES AUTHORITY**

**MEETING DATE: FEBRUARY 10, 2020**

<b>Agenda Item:</b>	3b. SUA-20-04
<b>Prior Council Action/Related Items: (Hyperlinks Or PDF)</b>	N/A
<b>Background / Issue:</b>	<p>The Water Treatment Plant (WTP) utilizes a chlorine feed system to accurately inject a metered dose of chlorine gas into the stream of water being treated. Chlorine and ammonia are used for disinfection in the treated water. This chlorine feed equipment replacement project is needed due to the following:</p> <ul style="list-style-type: none"> <li>• The equipment is in poor working order, requiring frequent repairs.</li> <li>• Parts are no longer available for the equipment due to manufacturer discontinuation of past models.</li> <li>• The WTP staff are struggling to keep the equipment operating as intended.</li> </ul>
<b>Proposal/Solution:</b>	<p>Evaluation of the system identified the necessary equipment and material to be replaced in order to return the system to a fully operational and maintainable condition.</p> <p>WTP maintenance staff determined the specific equipment and materials needed and will complete the installation of all components to be installed. Work to be done includes the following:</p> <ul style="list-style-type: none"> <li>• Switchover valves, vacuum regulators and chlorine feeders will be replaced.</li> <li>• Eductors, booster pumps and rotameters may be reused or replaced as conditions dictate.</li> <li>• Equipment will be replaced while keeping the chlorine feed system online.</li> <li>• Electrical and programming will be conducted by WTP staff with external support sought on an as-needed basis.</li> </ul> <p>Equipment quotes were received for multiple replacement equipment alternatives with low quotes being selected when</p>

	more than one option exists. Project expenditures including contingency are projected at \$47,500.
<b>Financial Impact/Funding Source(s):</b>	Funds for the project will be appropriated from the Water Capital Fund, which contains sufficient funds to complete the work. A budget amendment for appropriating funds to the project is included.
<b>Related Strategic Priority:</b>	<p>#1 Effective Services &amp; Accountable Government: To provide effective services and accountable government for all citizens by practicing fiscal responsibility, transparency and outstanding customer service.</p> <p>#4: Place and Mobility 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.</p>
<b>Recommended Action/Motion:</b>	Motion to authorize \$47,500 including contingency for procurement of chlorine feed replacement equipment and materials and approve the associated budget amendment.
<b>Prepared By:</b>	James Driskel, Water Utilities Director
<b>Reviewed By:</b>	Paula J. Dennison, Assistant City Manager
<b>Submitted By:</b>	Norman McNickle, City Manager
<b>Attachment(s):</b>	Budget Amendment