



REPORT TO: SUA

MEETING DATE: JUNE 7, 2021

Agenda Item:	5c. SUA-21-20
Prior Council Action/Related Items:	Study Session 092820
Background / Issue:	<ul style="list-style-type: none">• September 28, 2020 City Council/SUA study session the Director of City Engineering and Deputy Director of Civil Engineering Design presented a needs assessment report on the Water Treatment Plant (WTP) and Raw Water Delivery System (RWDS).• Staff presented 4 possible scenarios for the WTP and 3 for the RWDS. No action was taken.• Staff stated the next step was to retain the services of consulting engineers and a construction manager at risk to further develop scenarios and develop costs estimates with a higher level of confidence.• In February of this year, several days of sub-zero temperatures made clear some of the critical needs for both the WTP and RWDS previously identified. • City Engineering Staff solicited statements of qualifications from consultants providing Design Engineer and Construction Manager at Risk (CMAR) services.• Nine engineering design firms and ten CMAR firms submitted statements of qualifications on January 29, 2021. The selection committee reviewed the SOQs and invited five design firms and five CMAR firms to submit written proposals and interview for the project.• Written proposals were received on April 21, 2021 and interviews were conducted on May 12 and 13, 2021. After interviews, Carollo Engineers and Burns and McDonnell were selected for initial scope and fee negotiations for design and CMAR services respectively. • The review committee consisted of<ul style="list-style-type: none">✓ Water Treatment Plant Superintendent✓ Director of Water Utilities✓ Capital Project Manager

- ✓ Deputy Director for Civil Engineering Design
- ✓ Director of City Engineering

- Carollo Engineers is based in Walnut Creek, CA and was founded in 1933. They have over 1,000 employees and only provide services in the water and waste water field. They have offices in Oklahoma City and will be supported by the Dallas and Kansas City offices.
- Burns and McDonnell is a multi-disciplinary engineering/construction firm with over 7,600 employees offering services in 15 sectors.
 - ✓ One of those employees is a Chemical Process Engineer working in the Chemical, Gas & Oil sector of Burns McDonnell and the daughter of the Director of City Engineering. Even though she will have no role in this project nor works in the applicable sector, the Director did not review or score Burn McDonnell's proposals or participate in the presentation or subsequent committee discussions of Burns McDonnell.
- City Engineering Staff listed several criteria for evaluation. Knowing the community will begin to have discussions on funding improvements other than water in the coming months, one of the points of emphasis was which firms could perform the critical needs assessments and provide cost estimates by early fall of 2021. Several of the selected firms are capable of providing the services and some have experience not only with the City of Stillwater system but also other communities who use Kaw Lake as a source.
- The review committee believes the selected the firms of Carollo Engineers providing engineering services and Burns McDonnell providing Construction Manager at Risk services along with the City Engineering Project Manager is the best team to meet the goal.

Proposal/Solution:

- This will be a multi-year effort and the final recommendation may be a phased approach.
- The first step in the process is Project Definition. The scope associated with this step includes development, evaluation, and cost modeling alternatives to improve the Water Treatment Plant, Raw Water Delivery and Finished Water Distribution Systems.

- Included in the evaluations are treatment processes/technologies compatible with anticipated future water quality standards for existing and emerging contaminants.
- The consultants will work together to develop and provide cost estimates for alternatives to improve the WTP, Raw Water Delivery, and Finished Water Distribution Systems. Each consultant has experience in particular areas necessary to develop a complete and accurate assessment plan of action.
 - ✓ Design Engineer
 - Condition assessment
 - Planning & design
 - ✓ Construction Manager at Risk
 - Accurate cost estimating
 - Constructability
 - Value engineering
- Part of this evaluation will consider if the current WTP facility is suitable and economical to utilize for the next 50 years.
- Results will be in the form of an implementation plan that includes a phased approach based on growth and affordability for the community.
- A list of immediate improvement needs will be provided so that the City can begin fortifying its existing systems in a manner consistent with the SUA's long term best interest.
- For the Project Definition phase, City Engineering staff has negotiated not-to-exceed fees of \$500,000 with Carollo Engineers and \$215,700 with Burns and McDonnell.
- The scope associated with these fees includes development, evaluation, and cost modeling alternatives to improve the Water Treatment Plant, Raw Water Delivery and Finished Water Distribution Systems.

Financial Impact/Funding Source(s):

- The City has been notified it will receive \$8 million in stimulus funds from the Federal Government that must be spent on water, wastewater or broadband projects.
- Since those funds and the conditions for use of the funds has not been received, staff proposes using funds from the Water Fund for the Project Definition phase.

	<ul style="list-style-type: none"> When the funds are received and if condition on use of the funds allows, staff will return to Trustees and ask for reimbursement to the Water Fund for the costs.
Related Strategic Priority:	<p>#1 Effective Services & Accountable Government: To provide effective services and accountable government for all residents by practicing fiscal responsibility, transparency and outstanding customer service.</p> <p>#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.</p>
Recommended Action/Motion:	<p>Motion to approve retaining Carollo Engineers and Burns McDonnell to perform Project Definition Services for improvements to the Water Treatment Plant and Raw Water Delivery System in an aggregate amount not to exceed \$1,000,000, which includes 10% contingency, authorize the City Manager to sign agreement documents, and approve the budget amendment allocating \$1,000,000 from the Water Fund.</p>
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Reviewed By:	<p>Melissa Reames, Deputy City Manager Patti Osmus, Assistant to the City Manager</p>
Submitted By:	<p>Melissa Reames, Deputy City Manager</p>
Attachment(s):	<p>Budget Amendment</p>