



Staff Report

March 21, 2022, Council Workshop Meeting

Downtown Zone Water Reservoir Siting Analysis Professional Services Agreement

Presenter: James Carothers, Engineering Manager

Time Estimate: 5 Minutes

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BACKGROUND: The 2019 Water System Plan (WSP) update identifies the need for additional storage capacity within the Downtown pressure zone, commonly referred to as the 343 pressure zone. Current water storage within this zone is provided by Butler Reservoir located on the corner of NE 43rd Avenue and NE Garfield Street. Butler Reservoir was originally constructed in two phases (1913 and 1926) totaling 1.2 million gallons (MG) in storage capacity. Over the years, improvements were made to the reservoir structure (1958 and 1975) as well as its booster pump station (1948 and 1999). The WSP has identified Butler Reservoir's storage capacity as being undersized, and the structure is at the end of its useful life. The WSP recommends decommissioning Butler Reservoir and constructing a new reservoir to meet future storage capacity and system distribution demands.

SUMMARY:

This Professional Services Agreement (PSA) provides for preliminary site screening and analysis of multiple properties for a new 1.5 MG reservoir within the Downtown pressure zone to replace Butler Reservoir. In September of 2021 a Request for Qualifications was released and staff selected RH2 Engineering Inc. The scope of services includes site analysis and hydraulic modeling for up to four potential locations for a new reservoir. These sites include the existing Butler Reservoir site (City Owned), Camas Cemetery site (City Owned), and up to two additional properties. In addition to preliminary site screening this agreement will include reservoir sizing, hydraulic modeling, recommendations on distribution system improvements to connect reservoir into water system, conceptual design, and architectural renderings. This PSA is to not exceed \$97,890.00.

EQUITY CONSIDERATIONS:

What are the desired results and outcomes for this agenda item?

Council consensus to place this PSA on the April 4, 2022 consent agenda.

What's the data? What does the data tell us?

Butler Reservoir is at the end of its useful life. A new reservoir sized for current and future storage demands is recommended.

How have communities been engaged? Are there opportunities to expand engagement?

Community engagement will occur in later project phases after potential sites are studied for feasibility.

Who will benefit from, or be burdened by this agenda item?

All water customers will benefit from this improvement.

What are the strategies to mitigate any unintended consequences?

The site analysis process will be reviewed and monitored by staff.

Does this agenda item have a differential impact on underserved populations, people living with disabilities, and/or communities of color? Please provide available data to illustrate this impact.

No.

Will this agenda item improve ADA accessibilities for people with disabilities?

No.

What potential hurdles exist in implementing this proposal (include both operational and political)?

Potential hurdles to further advancing WSP project ST-3 may include the process of purchasing property for a new reservoir site.

How will you ensure accountabilities, communicate, and evaluate results?

Staff will assist and support RH2 Engineering team. Staff will be involved throughout the site screening process.

How does this item support a comprehensive plan goal, policy, or other adopted resolution?

This PSA will start the process to advance the implementation of a needed improvement noted within the 2019 WSP. This project supports Camas 2035 Comprehensive Plan goal WS-2; Provide safe, clean, and high-quality drinking water to residents.

BUDGET IMPACT: The 2022 budget includes \$500,000 for the Downtown (343) pressure zone reservoir project. Additional funding for design and construction will need to be included in future budget years. This siting analysis project phase will not exceed \$97,890 without an approved amendment.

RECOMMENDATION: Staff intends to place this PSA on the April 4, 2022, Consent Agenda for Council's consideration.