

PRE-MEETING AGENDA

**Casper City Council
City Hall, Council Meeting Room
Tuesday, October 1, 2019, 5:30 p.m.**





	Presentation	Allotted	Beginning Time
	Distribution of September 17 Executive Session Minutes *Council – please initial by your name on the minutes to indicate your approval*		
1.	Purchase of Seven (7) Zoll AutoPulse Systems	5	5:30
2.	Reallocation of Funds from 10 MG Reservoir Upgrade Project to CY Booster Station Replacement Project.	15 min	5:35
3.	Agenda Review	5 min	5:50
	Approximate Ending Time		5:55

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September 24, 2019

MEMO TO: J. Carter Napier, City Manager 

FROM: Andrew Beamer, P.E., Public Services Director 
Bruce Martin, Public Utilities Manager

SUBJECT: Reallocation of Water Distribution (WD) Capital Funds

Meeting Type & Date:
Regular Council Pre-Meeting
October 1, 2019

Action Type:
Direction Requested

Recommendation:
That Council reallocate \$500,000 of WD capital funds from the 10 MG Reservoir Upgrade Project to the CY Booster Station Replacement Project.

Summary:
The CY Booster Station was built in 1953 and provides water to Valley Hills and Sunrise I water storage tanks, serving approximately 8,000 residents in Zone II. The City of Casper developed an initial estimate of \$1,273,000 in 2016 to replace the facility, and used this estimate as the basis for a grant application to the Wyoming Water Development Commission (WWDC). This application was successful and the City entered into an agreement with WWDC in August 2017 for the replacement of the 66-year old booster station and associated yard piping. The project funding of \$1,273,000 is from a 67% (\$852,910) WWDC Grant with local 33% (\$420,090) Casper match. With funding secured, at its November 2017 meeting, Council authorized an agreement for engineering, design and construction administration services to CEPI Engineering (CEPI) in the amount of \$249,000.

During detailed design being conducted by CEPI, geotechnical investigations determined that the existing site is comprised of soils that show a high potential for differential settlement with the building's floor and pipe trenches. These results have required the building's structural foundation to change from a typical spreader footing design to deep drilled shaft piers supporting foundation walls. Additionally, the drilled shaft pier foundation requires a structural floor, which changes the pump station layout from the typical pipe chase design to a full basement design.

While not included in the original scope of work when the WWDC application was submitted, after further consideration during design, an additional 500 feet of 16-inch transmission main replacement was also added to the project. This main serves approximately 8,000 residents, and begins at the proposed new booster station. The existing 16-inch cast iron pipe is 65-years old, and, due to its age and the ability to take advantage of economies of scale, it is recommended that the main be replaced in conjunction with the booster station project.

Based on the increased scope of the project and updated estimates, construction costs for the project are now anticipated to be \$1.5M. Currently, \$1.02 M in funds have been encumbered for this project, leaving a deficit of \$500,000. The FY20 WD budget includes \$3.465 M for the 10 MG Reservoir Upgrade Project. Staff proposes reallocating \$500,000 of those funds to the CY Booster Station Project, bringing the total funds available for that project to \$1.5 M.

While the 10 MG Reservoir project remains as an important project, its scope and final budget has yet to be determined. The direction that project takes is dependent on information to be gleaned from the 2020 Water Master Plan, currently under development by CEPI. Undoubtedly, the reservoir project budget will be modified in the FY21 budget.

Actual construction costs for the CY Booster Station project will be known once bids are received. If actual costs exceed existing funding provided by WWDC, a request for additional grant funding will be submitted to WWDC.

Financial Considerations

Reallocate \$500,000 from the 10 MG Reservoir Upgrade Project to the CY Booster Station Replacement Project.

Oversight/Project Responsibility

Bruce Martin, Public Utilities Manager

Attachments

None