



Meeting Date: 8/15/2018
Agenda Item: #

Mission Statement

To provide our growing dynamic community excellent municipal services to make Fernley a great place to live, work, and play. Together, we enhance the desirability, safety, friendliness, aesthetics and quality of life in our city.

FERNLEY CITY COUNCIL MEETING - STAFF REPORT

REPORT TO: Mayor & City Council

REPORT THRU: Daphne Hooper, City Manager

REPORT FROM: **Jennifer Derley**, Water Rights/GIS Manager

REVIEWED BY: Brent Kolvet, Deputy City Attorney

REVIEWED BY: Denise Lewis, Finance Director

AGENDA ITEM: **Possible approval of a contract for Planning for Surface Water Treatment Modifications to CDM Smith in an amount not to exceed \$25,000.**

ACTION REQUESTED: Consent Ordinance Resolution Motion Receive/File

RECOMMENDED ACTION BY CITY COUNCIL

Staff recommends the following action: "I move to award a contract for Surface Water Treatment Modifications to CDM Smith in an amount not to exceed \$25,000."

Key Points:

1. Water resources are critical to the City of Fernley's future. Optimizing the City's ability to serve both ground and surface water to its customers is a vital component of planning for future development and providing a sustainable water supply.
2. 50% design plans for a pump station and a surface water pipeline from the canal to the WTP have been completed. CDM Smith's expertise, planning and coordination are required to complete the final design plans for conveyance of surface water to the Water Treatment Plant (WTP).
3. In June 2016, the CDM Smith completed and presented a report and analysis for alternatives for treatment of surface water at the WTP.
4. \$25,000 was identified in the FY 2017-18 budget for this work.

POLICY REFERENCE

Nevada Statutes: NRS 625 Practice of Professional Engineering
NRS 445A Public Water Systems

Fernley Municipal Code: N/A

Policies & Procedure Manual: N/A

Community Assessment: N/A

Other: N/A

SUPPORTING INFORMATION

City Council has set water management as a top priority in the Water Enterprise Fund for the last several years. Responsible planning and preparation to have water available for future development, encourage new development, but not over-allocate the City’s available water resources are critical to the City of Fernley’s future. Optimizing the City’s ability to serve both ground and surface water to its customers is a vital component of providing a sustainable water supply. Currently the City is only able to treat and serve groundwater to its customers. The City has approximately 9,000 acre feet of ground water and 10,200 acre feet of surface water rights.

Discussions/meetings and analysis of the Water Treatment Plant (WTP) operations have brought to light some new and more accurate information as the City’s needs have evolved in the last several years. In 2016, CDM Smith prepared a report that analyzed the alternatives for treatment of surface water (within the WTP ONLY). That report was presented to City Council and was approved. The report revealed that modification of the WTP to accept and treat surface water was reasonable and less expensive than expected.

In 2017, AECOM performed an analysis of alternative routes to transport surface water to the WTP from the canal. City Council approved the recommended route and directed staff to move forward with a contract for incremental and full design plans for a new take out in the Truckee Canal, a pipeline to the WTP, pump station, assistance in putting together the authorization request to BOR to use the federal facilities to transport municipal water and a notice to proceed for construction. A second contract with AECOM was initiated and 50% design plans for a pump station, surface water pipeline from the canal to the WTP and a takeout structure at the canal have been completed. CDM Smith’s expertise and coordination are required not only to complete the final design plans for conveyance of surface water to the WTP but also with regulators (Nevada Division of Environmental Protection, Bureau of Sage Drinking Water) and planning at the WTP.

CDM Smith will prepare and submit to the City technical memorandums and plans for the modifications to the plant for surface water treatment. This is better described in the scope of work in the attached contract. Funding was requested and approved for allocation in the FY 2018/2019 budget for \$25,000.

FINANCIAL INFORMATION

FISCAL IMPACT:

- 1. Is There A Fiscal Impact? Yes
- 2. Is it Currently Budgeted? Yes

If Budgeted, Which Line Item/Account?
510-166100

FISCAL SYNOPSIS:

Funds were approved in the FY 2018/19 budget.

PRIOR COUNCIL ACTION

January 20, 2016, FCC approved a contract with CDM for Surface Water Treatment Analysis at WTP

December 7, 2016, FCC approved CDM's Surface Water Treatment Analysis Report

June 7, 2017, FCC approved a contract with AECOM to analyze alternative routes to convey surface water to the WTP

March 21, 2018, FCC accepted the recommended conveyance route and approved a contract with AECOM to design plans for the take out, pipeline to convey surface water to the WTP and a pump station

ATTACHED INFORMATION

Contract to CDM Smith for Surface Water Treatment Modification plans and coordination

Attachment A – Scope of Work

Attachment B – Billing Rate Schedule