



CITY OF FERNLEY

CITY COUNCIL AGENDA REPORT

Meeting Date: January 19, 2022

REPORT TO:	Mayor and City Council
REPORT THRU:	Daphne Hooper, City Manager
REPORT FROM:	David Whalen, Public Works Director
REVIEWED BY:	Brandi Jensen, City Attorney
REVIEWED BY:	Denise Lewis, City Treasurer

FINANCIAL IMPACT: Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	CURRENTLY BUDGETED: Yes: <input checked="" type="checkbox"/> No: <input type="checkbox"/>	FUND/ACCOUNT: 510-162100
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ACTION REQUESTED: Consent Ordinance Resolution Motion Receive/File

AGENDA ITEM: Possible action to ratify the purchase of eight Hach turbidity analyzers for a total of \$51,044.63 for the water treatment plant operations.

Agenda Item Brief: The current turbidity analyzers are four years beyond their service life. It was proposed to replace 8 of the 16 throughout the water treatment plant this FY and the remaining 8 in the following FY. The plan to replace the analyzers was approved in the current FY budget by FCC. Pricing was set to rise by 6% at the beginning of the new calendar year so staff opted to order the meters before the end of the calendar year to save money. The staff report is asking for ratification of the purchase since it is above the City Managers spending limit.

Recommended Motion:
"I move to ratify the purchase of eight Hach turbidity analyzers for a total of \$51,044.63 for the water treatment plant operations."

Business Impact (per NRS Chapter 237):

A Business Impact Statement is attached.

A Business Impact Statement is not required because this is not a rule (term excludes vehicles by which legislative powers are exercised under NRS Chapters 271, 278, 278A, or 278B).

See attached report for background, analysis, alternatives.

ALTERNATIVES:

- The City Council may not accept the recommendation and provide further direction to the city manager.

BACKGROUND:

The WTP currently has 16 Hach model 1720 E turbidity analyzers. The life expectancy of these analyzers is 8 years and they are now 12 years in service. We have utilized Hach service for any issues with the meters. They are an integral part of the water treatment plant operation and monitor the quality of water being produced at various stages in the water filtration process. We have removed 3 of the 16 and included them in our spare parts inventory. 12 of the analyzers are required by the USEPA for individual filter turbidity (10), combined filter turbidity (1) and final treated water turbidity (1). Hach has announced that they plan on ending support for the 1720 E analyzer sometime in 2023. Hach's new model to replace the 1720 E is the TU5. Along with each analyzer an SC-100 controller is attached to interface and transmit data to the SCADA system. The SC-100 will not work with the TU5 and the new SC-200 must be purchased with each analyzer. We are requesting to replace 8 this Fiscal year and 8 next Fiscal Year to replace the 16 total units.

The cost for installation of the new analyzers will be a separate item and was estimated in the \$90K budget.

PRIOR COUNCIL ACTION

LEGAL IMPLICATIONS:

Nevada Statutes: NRS 445A

Fernley Municipal Code :

FINANCIAL IMPLICATIONS :

Funding of \$90,000 for this project to replace the analyzers was previously approved in the FCC adopted FY 2021/22 budget.

ATTACHMENTS:

1. Hach Order 316673623.