



DATE: June 20, 2017

CATEGORY: Consent

DEPT.: Public Works

TITLE: **Well No. 21 Upgrade – Approve Plans and Specifications/Authorize Bidding**

RECOMMENDATION

1. Approve plans and specifications for the Well No. 21 upgrade and authorize staff to advertise the project for bids.
2. Authorize the City Manager to award a construction contract to the lowest responsible bidder if the bid is within the project budget.

BACKGROUND

The San Francisco Public Utilities Commission (SFPUC) supplies approximately 85 percent of Mountain View's potable water. The Santa Clara Valley Water District (SCVWD) provides approximately 11 percent of Mountain View's supply, and the remaining 4 percent is provided through groundwater wells. California Water Company also serves approximately 600 customers in Mountain View.

The City operates five groundwater wells to serve as an additional source of potable water, provide water during droughts and when supplies are temporarily reduced by the SFPUC or SCVWD, and provide water during emergencies. Two wells are currently in service; three wells, including Well No. 21, are currently being rehabilitated. Staff anticipates Well No. 21 and a second well will be returned to service in early 2018. There are also two out-of-service wells being prepared for abandonment; staff is in the preliminary stages of identifying appropriate locations for replacement wells.

Well No. 21 was constructed in 1997 and is located in Creekside Park located near the intersection of Easy Street and Gladys Avenue. The well is currently out of service due to the failure of several well components.

ANALYSIS

The City retained the engineering consulting firm of Luhdorff & Scalmanini to evaluate Well No. 21, make recommendations for equipment replacements and upgrades, and develop construction plans and specifications. The recommended improvements include a new submersible pump, motor and power cable in the existing well, a new variable frequency drive and electrical panel, refurbishing and replacing piping at the well site, and painting all aboveground piping. The contractor will maintain full public access to Creekside Park as well as the nearby Stevens Creek Trail during construction.

If the recommended actions are approved, the anticipated schedule is as follows

Issue Request for Bids:	July 2017
Review Bids/ Award Contract:	August 2017
Begin Construction:	September 2017
Complete Construction:	February 2018

Because the recommended actions are a replacement of existing infrastructure, the project is categorically exempt under Section 15301 (Existing Facilities) of the CEQA Guidelines.

FISCAL IMPACT

Project costs will be funded from Projects 17-04 and 16-04, Water System Improvements. There is sufficient balance in the projects to fund the recommended construction. The total estimated project cost is:

Construction	\$440,000
Construction Contingency	44,000
Project Management	10,000
Public Works Inspection	5,000
Building Permit and Inspection	2,000
Project Contingency	20,000
City Administration @ 6.5%	<u>34,000</u>
TOTAL ESTIMATED PROJECT COST	<u>\$555,000</u>

ALTERNATIVES

1. Defer Well No. 21 upgrades.
2. Provide other direction.

PUBLIC NOTICING – Agenda posting.

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