PWO 13 FREEWAY WELL PLANNING PROJECT



Board of Public Utilities September 5, 2018 Colin Close Senior Water Resources Planner, Water

BACKGROUND

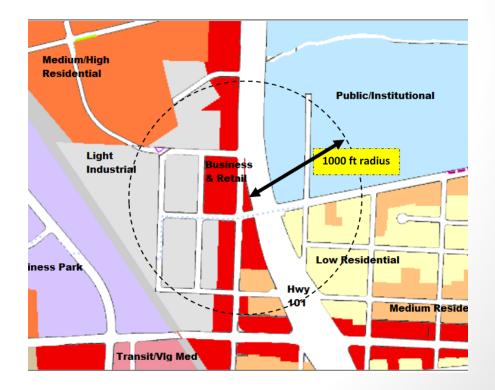
- Built in 1957
- 817 feet deep, with 16" diameter
- Very productive (~1 mgd) for nearly 30 years





BACKGROUND

- Routine testing revealed volatile organic compounds (VOCs) in 1984
- Contamination from nearby sites
- Production halted.
- Asset has been offline since.

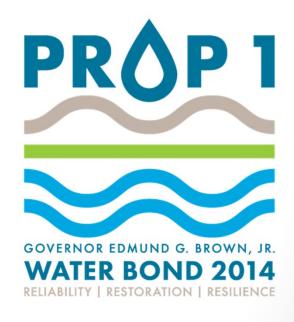


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PROPOSITION 1 Groundwater Grant Program

Competitive process

- Pre-application: July 2016
- Final application: Aug 2017
- Award notification: Jan 2018
- Contract finalized: Aug 2018
- Total project cost: \$977,866
 - State portion: \$488,836
 - City 50% match: \$490,030



SCOPE OF WORK

Records review, data gathering:

 Gather available info about nearby threats and geology

Test boring and nested monitoring wells:

 Assess geohydrology & vertical distribution of VOCs

Aquifer testing:

 Evaluate vertical and horizontal impacts of pumping

Feasibility Study:

Examine options for GW protection and remediation



TIMELINE

2 ¹/₂ years (Sept 2018- March 2021)

- First year
 - Records review, data gathering
 - Bid for drilling services
- Second year
 - Test boring & monitoring wells
 - Aquifer testing
- Final 6 months
 - Feasibility study



Freeway well surface enclosure with transducer and desiccant pack

RECOMMENDATION

Recommended by the Water Department, that the Board, by motion, approve a Project Work Order (PWO)

- under the Master Professional Services Agreement with West Yost & Associates, Inc. of Pleasanton, California,
- to provide services for the Freeway Well Planning Project,
- with a total amount, including a 5% contingency, of \$557,731.00.

Questions?