



CITY OF ORLAND STAFF REPORT

MEETING DATE: January 7, 2025

TO: Honorable Mayor and City Councilmembers

FROM: Paul W. Rabo, City Engineer

SUBJECT: DWR Emergency Water Project Update (Discussion)

BACKGROUND:

In September 2021, the City of Orland began working with the State of California Department of Water Resources (DWR) to layout, design and construct improvements to the City's water system. The primary goal for the project is to supply residents, inside and outside of City Limits, with a safe and reliable source of drinking water. The proposed project improvements have been divided into the following phases.

Phase 1 includes the connection of water services to existing water mains within City Limits and the installation of water main extensions within City Limits.

Phase 2A, located south and east of the City Limits, includes the installation of approximately 5.1 miles of water main, 114 water service connections, fire hydrants and other water system appurtenances.

Phase 2B, located west of Interstate 5 and north of Newville Road, includes the installation of approximately 1.8 miles of water main, 29 water service connections, fire hydrants and other water system appurtenances.

Phase 2C includes the connection of the primary dwellings in Phases 2A and 2B to the water meter.

Phase 3A, located on Walker Street near Interstate 5, includes the construction of a new groundwater well.

Phase 3B includes the installation of the well pump and controls and construction of site improvements.

Phase 4, located on the east side of 6th Street between Mill and Yolo Streets, includes the construction of a one-million-gallon water tank, booster pumps, water system appurtenances and site improvements.

ANALYSIS:

Portions of Phase 1 have been completed by the City Public Works Department. Phase 1 is estimated to be 70% complete. Phases 2A and 2B have been awarded and are under construction. The City is waiting for United States Bureau of Reclamation permits to install water mains across irrigation canals located on federal lands. Phase 2C will be advertised for construction during the first quarter of 2025. Phase 3A is 100% complete. Phase 3B will be removed from the scope of this funding source and will be added to the scope of a different funding source. Phase 4 is under construction.

During the design phase of the project, DWR expressed the City needed to have an underground storm drainage system that could accommodate draining the storage tank. The City also determined a water main did not exist in Sixth Street at the storage tank location. City staff is currently in the process of

issuing a contract change order that would include the installation of a water main and storm drain main extension to serve the storage tank site. This work would be included in Phase 2A.

DWR has budgeted approximately \$1.25 million for City staff to perform project and construction administration, prepare CEQA documentation and obtain necessary permits; \$2.25 million for the design of all phases; and \$13.2 million for the construction of all phases. The total funding amount provided by DWR is \$16.7 million.

The following table shows the budgeted construction costs for the project.

Phase	Contract Work	Budgeted Cost
1	Water services and main extensions in City Limits	\$1.4M
2A	Water mains, services and fire hydrants southeast of City limits	\$5.35M
2B	Water mains, services and fire hydrants northwest of City limits	\$2.0M
2C	Connections from meter to house	\$0.8M
3A	Drill and construct municipal well	\$0.35M
3B	Equip well and develop site	\$0.9M
4	Storage tank, booster pumps, site improvements	\$2.4M
	Total	\$13.2M

RECOMMENDATION:

None.

FISCAL IMPACT:

The project costs (up to \$16.7M) incurred for administration, design, construction, construction engineering and inspection are being funded by DWR. The City of Orland is responsible for any costs beyond the DWR funding. The City currently has \$4.2M in the Water Fund.