



CITY OF ORLAND STAFF REPORT

MEETING DATE: May 20, 2025

TO: Honorable Mayor and Council

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 lay out, 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 the 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. Phase 2A has been awarded and is under construction. Phase 2B is complete. The City has obtained United States Bureau of Reclamation permits to install water mains across irrigation canals located on federal lands. Phase 2C Unit 1 was advertised for construction and bids have been opened. Phase 2C Units 2 through 6 will be advertised this summer. 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 3B was advertised for construction and bids have been opened. 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	Construction Budget (millions of \$) (a)	Construction Contract (millions of \$) (b)	Remaining Budget (millions of \$) (a-b)	Work Complete (%)
1	1.40	1.40	0.00	70
2A	5.35	5.29	0.06	80
2B	2.00	1.43	0.57	100
2C	0.80	0.30*	0.50	0
3A	0.35	0.32	0.03	100
3B	0.90	1.41**	(0.51)	0
4	2.40	4.35	(1.95)	30
Total	13.2	14.5	(1.30)	

*Proposed low bid construction cost for Unit 1 if accepted by Council at May 20, 2025 meeting. Units 2 through 6 to be advertised in the future for construction.

**Proposed low bid construction cost if accepted by Council at May 20, 2025 meeting.

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 \$4.86M in the Water Fund.