



## **CITY OF ORLAND STAFF REPORT**

### **MEETING DATE: September 16, 2025**

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**TO:** Honorable Mayor and Council

**FROM:** Paul W. Rabo, City Engineer

**SUBJECT:** DWR Emergency Water Project Update (Discussion)

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#### **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, 97 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, 31 water service connections (including one service to a mobile home park with approximately 80 units), 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 has been removed from this project (included 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 storage tank, booster pumps, water system appurtenances and site improvements.

The City received the necessary permits from United States Bureau of Reclamation in January 2025 to install water mains, in Phases 2A and 2B, across irrigation canals located on federal lands.

#### **ANALYSIS:**

Portions of Phase 1 have been completed by the City Public Works Department. Phase 1 is estimated to be 70% complete. The remaining 30% will be completed as part of Phase 2A and the estimated costs have been included in the Phase 2 construction contract cost shown in the table below. Phase 2A is approximately 80% complete. The contractor will be completing the bridge crossings and making final connections in September and October. Phase 2B is complete. Phase 2C Unit 1 is complete. Phase 2C

Units 2 through 6 have been advertised, opened and are in the September 16<sup>th</sup> agenda for discussion and possible award. Phase 3A is complete. Phase 3B was removed from the scope of this funding source and added to the scope of a different funding source. Phase 4 is under construction and approximately 60% complete.

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. A contract change order has been prepared for the installation of a water main and storm drain main extension to serve the storage tank site and to perform remaining work in Phase 1. These estimated change order costs have been included in the Phase 2A construction contract cost in the table below.

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	0.26	1.14	70
2A	5.35	5.51	(0.16)	80
2B	2.00	1.46	0.54	100
2C	0.80	1.15*	(0.35)	25
3A	0.35	0.33	0.02	100
3B	0.00**			
4	3.30**	4.35	(1.05)	60
Total	13.2	13.06	0.14	

\*Cost of Unit 1 plus the estimated construction cost for Units 2 through 6. Bids had not been opened at the time this report was prepared.

\*\*Construction budget from Phase 3B (\$0.90M) moved to Phase 4. Current budget for Phase 4 is now \$3.30M.

#### **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 approximately \$4M in the Water Fund.