



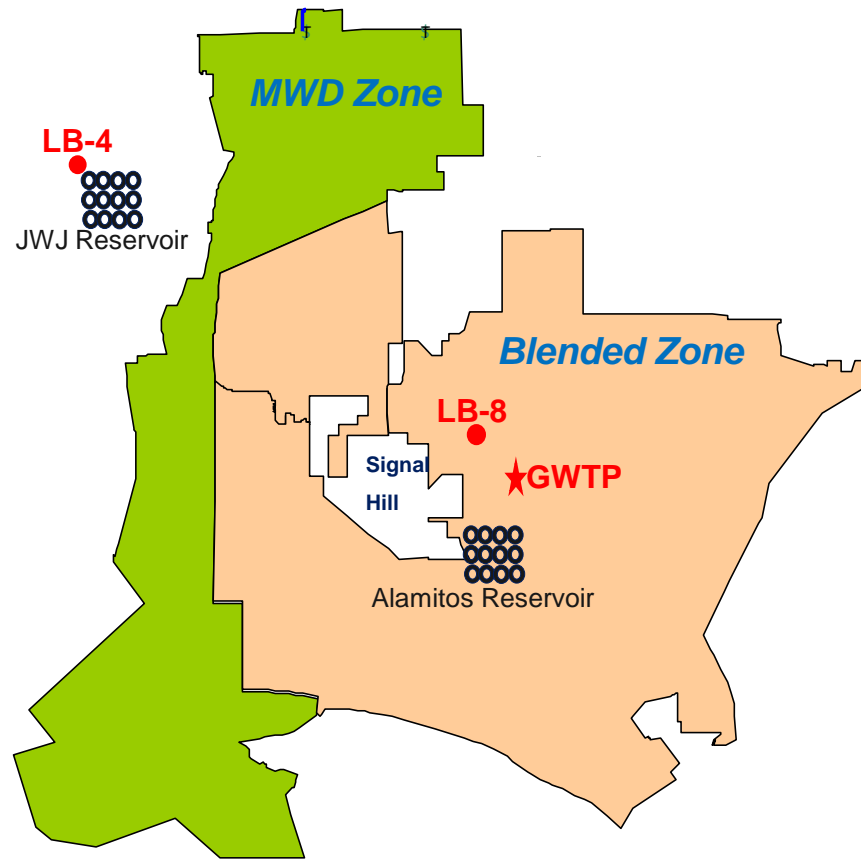
Long Beach Water
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Sleeve Valves

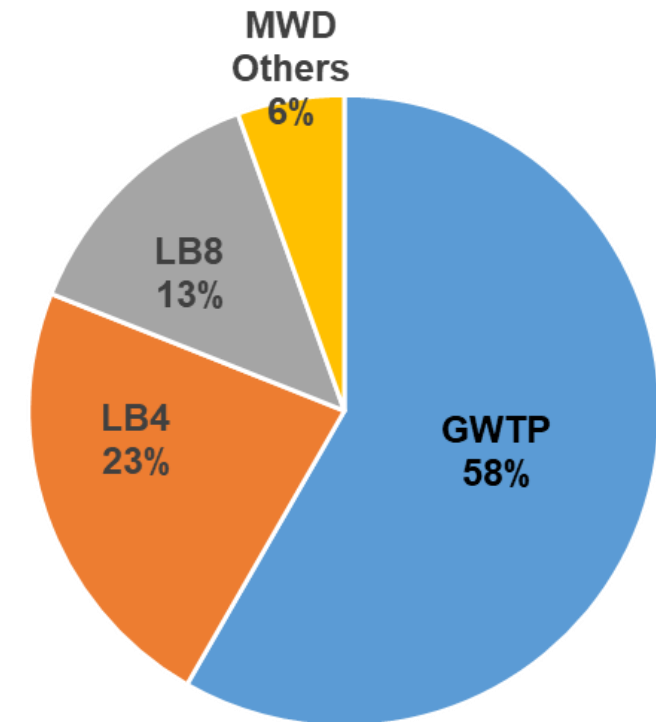
Board of Water Commissioners
December 3, 2020

LBWD Water Supply

Water Distribution System



Water Supply FY 2015-2020



Use of Sleeve Valves at MWD Connections

- 24 inch sleeve valves at both LB-4 and LB-8
- Pressure Reduction and Flow Control

	Pressure Reduction	Flow Control
LB-4	>130 psi to <80 psi	0 to 60 MGD
LB-8	>200 psi to <80 psi	0 to 60 MGD



90,000 lb

Valve needs to hold the weight of a 737 jet and regulate it to a more manageable force



30,000 lb



Break at LB-8 and LB-4



Repair or Replace?

1. Repairing the existing sleeve valves is the fastest and most cost effective way to bring LB-4 and LB-8 back in service.

Options	Estimated Cost, \$	Estimated Lead Time
Repair/Rebuild	Up to \$125,000	8-12 weeks
Replace with same	~\$275,000	8-10 months
Replace with different	A new flow control/pressure regulation station would need to be designed and constructed	

2. Bailey Valve Inc. is the sole designer, manufacturer and supplier of the existing Valve Sleeve Valve parts.

Current Status

1. Repairing the existing sleeve valves at LB-8 is 90% complete.
2. Awaiting to schedule repair of existing sleeve valve at LB-4.
3. Quote obtained for new standby sleeve valve obtained but has not been ordered.

Recommendation

Adopt Resolution No. WD-1436 and authorize the General Manager to enter into contract with Bailey Valve Inc. for the repair of two existing sleeve valves and the procurement of an additional new sleeve valve as backup in an amount not to exceed \$632,500.



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Questions?