



- **Board of Directors**
Engineering, Operations, and Technology Committee

6/10/2025 Board Meeting

7-3

Subject

Award an \$807,004 procurement contract to B&K Valves and Equipment Inc. for the replacement of globe valves at the Rio Hondo Pressure Control Structure; the General Manager has determined that the proposed action is categorically exempt or otherwise not subject to CEQA

Executive Summary

The Rio Hondo Pressure Control Structure (PCS) stabilizes and controls downstream pressures in the southern portion of the Middle Feeder, which supplies water to the central pool portion of Metropolitan's distribution system. The Rio Hondo PCS uses several globe valves in various sizes to control flows. After 70 years of service, four existing globe valves have deteriorated beyond repair and need to be replaced to ensure reliable operations. This action awards a procurement contract for one 16-inch valve, two 12-inch valves, and one 8-inch globe valve.

This action awards a \$807,004 procurement contract to B&K Valves and Equipment Inc. for four globe valves to be installed at Rio Hondo PCS. See **Attachment 1** for the Allocation of Funds, **Attachment 2** for the Abstract of Bids, and **Attachment 3** for the Location Map.

Proposed Action(s)/Recommendation(s) and Options

Staff Recommendation: Option #1

Option #1

Award an \$807,004 procurement contract to B&K Valves and Equipment Inc. for globe valves to be installed at the Rio Hondo Pressure Control Structure.

Fiscal Impact: \$975,000

Business Analysis: This option will improve aging infrastructure and ensure operational reliability of water deliveries to member agencies along the Middle Feeder.

Option #2

Do not proceed with this project at this time.

Fiscal Impact: None

Business Analysis: This option would forego the opportunity to improve aging infrastructure and reliability of service to the area.

Alternatives Considered

Staff considered rehabilitating the existing valves at Rio Hondo PCS. However, rehabilitation of the valves would be prohibitively expensive, as the valves have suffered extensive wear over 70 years of operation. Moreover, due to the age of these valves, replacement parts are challenging to find. The selected alternative is to procure four new globe valves to replace the deteriorating valves, providing an expeditious solution to restore the facility to full operational capacity.

Applicable Policy

Metropolitan Water District Administrative Code Section 8121: General Authority of the General Manager to Enter Contracts

Metropolitan Water District Administrative Code Section 11104: Delegation of Responsibilities

Related Board Action(s)/Future Action(s)

By Minute Item 53598, dated April 9, 2024, the Board appropriated a total of \$636.6 million for projects identified in the Capital Investment Plan for Fiscal Years 2024/25 and 2025/26.

California Environmental Quality Act (CEQA)

CEQA determination for Option #1:

The proposed action is exempt from CEQA because it involves the operation, repair, and maintenance of existing public facilities and mechanical equipment involving negligible or no expansion of existing or former use and no possibility of significantly impacting the physical environment. (State CEQA Guidelines Section 15301.)

CEQA determination for Option #2:

None required

Details and Background

Background

The Middle Feeder supplies treated water from the Weymouth plant to the central pool portion of Metropolitan's distribution system. It serves the cities of Compton and Long Beach, the Central Basin Municipal Water District, Upper San Gabriel Valley Municipal Water District, and Three Valleys Municipal Water District. The Rio Hondo PCS is located on the Middle Feeder and is the primary pressure control structure for the southern portion of the feeder. The PCS has been in operation since its completion in 1953, and all piping and equipment within the structure are original and have been in continuous operation for over 70 years.

Rio Hondo PCS controls downstream pressures through several valves installed along eight parallel lines that vary in size. Flow through the facility is regulated by seven 8- to 24-inch diameter pilot-controlled, hydraulically operated globe valves and one motor-operated 36-inch conical plug valve. During normal operations, pressure is automatically controlled by the hydraulically operated globe valves. The motor-operated conical plug valve is manually used to throttle when downstream demands are low. Other valves provide surge pressure relief and isolation, but the globe valves used for flow control are subject to the most demanding service.

These valves have been in continuous service since their installation. Although regularly maintained, these valves are deteriorating and periodically fail, requiring corrective action. Regular maintenance is difficult as parts are obsolete or no longer supported by the manufacturer. Four valves (one 16-inch, two 12-inch, and one 8-inch) were identified as critical to maintaining the operations of the facility and need to be replaced at this time. Procurement specifications for the globe valves are complete, and bids have been received. Staff recommends proceeding with the procurement of replacement globe valves. Metropolitan forces will install these valves in late 2026. The remaining valves will be addressed through a subsequent comprehensive rehabilitation project that will upgrade the PCS's mechanical, electrical, and structural components.

Rio Hondo Pressure Control Structure Valve Replacement – Procurement

The scope of the procurement contract includes furnishing one 16-inch valve, two 12-inch valves, and one 8-inch hydraulically operated globe valve. Staff will perform submittal review, fabrication inspection, and contract administration.

A total of \$975,000 is required to perform this work. In addition to the amount of the procurement contract described below, the allocated funds for Metropolitan staff include \$78,000 for factory fabrication inspection and functional testing; \$46,000 for submittals review and responding to manufacturer requests for information;

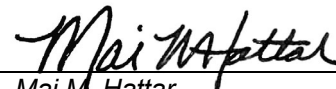
\$43,996 for contract administration and project management. **Attachment 1** provides the allocation of the required funds.

Award of Procurement Contract (B&K Valves & Equipment Inc.)

Request for bids No. RFB-DV-454593 for the procurement of four globe valves was advertised on February 12, 2025. As shown in Attachment 2, one bid was received and opened on March 5, 2025. The low bid from B&K Valves & Equipment Inc., in the amount of \$807,004, complies with the requirements of the specifications. This amount includes all sales and use taxes imposed by the state of California. Staff investigated why only one bid was received and determined that some manufacturers preferred not to undertake the custom engineering and fabrication required for valves that fit within the existing structure and meet the hydraulic conditions. As a procurement contract, there are no subcontracting opportunities, and a Small Business Enterprise participation level was not established for this contract. Based on a survey of vendors, the budgetary estimate for this material ranged from \$550,000 to \$750,000.

Project Milestone

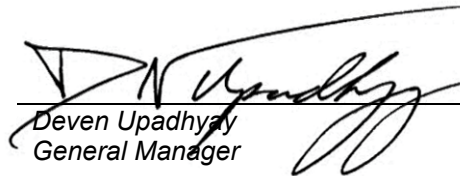
August 2026 – Completion of fabrication and delivery of new valves



Mai M. Hattar
Interim Chief Engineer
Engineering Services

5/28/2025

Date



Deven Upadhyay
General Manager

5/28/2025

Date

Attachment 1 – Allocation of Funds

Attachment 2 – Abstract of Bids

Attachment 3 – Location Map

Ref# es12708533

Allocation of Funds for Rio Hondo Pressure Control Structure Valve Replacement

	Current Board Action (Jun. 2025)
Labor	
Final Design	-
Owner Costs (Program mgmt.)	43,996
Submittals Review & Record Drwgs.	46,000
Construction Inspection & Support	72,000
Materials & Supplies	-
Incidental Expenses	6,000
Contracts	-
B&K Valves and Equipment Inc.	807,004
Remaining Budget	-
Total	\$ 975,000

The total amount expended to date is approximately \$100,000. The total estimated cost to complete the Rio Hondo Pressure Control Structure Valve Replacement, including the amount appropriated to date, funds allocated for the work described in this action, and future installation costs, is anticipated to range from \$1.5 million to \$2.5 million.

The Metropolitan Water District of Southern California**Abstract of Bids Received on March 5, 2025, at 11:00 A.M.****Request for Bids No. RFB-DV-454593****Rio Hondo Pressure Control Structure Valve Procurement**

The work includes furnishing and delivering one 16-inch globe valve, two 12-inch globe valves, and one 8-inch hydraulically operated globe valve.

Budgetary range estimate: \$550,000 to 750,000

Bidder and Location	Total¹
B&K Valves and Equipment Inc. Olivehurst, CA	\$807,004

¹ As a procurement contract, there are no subcontracting opportunities.

