



BID NO. 8193 - GRANULAR ACTIVATED CARBON REMOVAL AND REPLACEMENT AT THE PALMYRITA WATER TREATMENT FACILITY

Riverside Public Utilities

Board of Public Utilities

October 27, 2025

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BACKGROUND

1. Palmyrita Water Treatment Facility removes organic compounds 1, 2-dibromo-3-chloropropane and 1,2,3-Trichloropropane from groundwater produced in North Orange well field
2. Treatment is achieved by using granular activated carbon (GAC) to adsorb organic compounds, which is US EPA approved drinking water treatment method



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BACKGROUND

3. Approximately 2.5 billion gallons of groundwater are treated annually at Palmyrita for domestic use
4. 3-year contract includes approximately 50 GAC removal and replacement events or approximately 16 removal and replacement events each year



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BACKGROUND

5. Work includes replacing 20,000 lbs. of GAC per vessel
 - a) Removing and legally disposing of spent carbon
 - b) Inspecting and disinfecting the vessels
 - c) Adding virgin or reactivated carbon into the vessels



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DISCUSSION

1. Bid No. 8193 for Granular Activated Carbon Removal and Replacement was posted on the City's Online Bid System on July 31, 2025, and closed August 22, 2025.
2. Two vendors submitted bids for the specified project.
3. Calgon Carbon Corporation was lowest responsive bidder.

Vendors	City Location	Bid Amount	Rank
Calgon Carbon Corporation	Moon Township, PA	\$1,836,270	1
Carbon Activated Corp.	Compton, CA	\$2,172,192	2



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PROJECT LOCATION MAP



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PROJECT BREAKDOWN

PROJECT INFORMATION:	PERFORMED BY:
Specifications Performed By:	RPU Engineering Staff
Services Performed By:	Calgon Carbon Corporation
Reimbursements:	Shell Oil Company, et al.
Anticipated Start Date:	January 1, 2026
Anticipated Duration:	Three Years



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RECOMMENDATION

That the Board of Public Utilities:

1. Award Bid No. 8193 for Granular Activated Carbon Removal and Replacement at the Palmyrita Water Treatment Facility to Calgon Carbon Corporation, for a three-year contract beginning January 1, 2026, and ending December 31, 2028, in the amount of \$1,836,270; and
2. Authorize the City Manager, or designee, to execute all documents necessary to effectuate the purchase, including making minor and non-substantive changes.



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