



AGREEMENT FOR PROFESSIONAL CONSULTANT SERVICES WITH HDR, INC. IN RESPONSE TO RFP NO. 2029 FOR LONG TERM APPROACH FOR PERFLUORINATED COMPOUNDS TREATMENT IN AN AMOUNT NOT TO EXCEED OF \$234,600

Board of Public Utilities
November 9, 2020



BACKGROUND

1. On October 28, 2019, RPU's Board approved Work Order No. 2008392 in the total amount of \$850,000 to address the emerging contaminants (PFAS).
2. Part of the approved amount will be assigned for a cost-effective study for long-term water treatment of PFAS.
3. PFAS (Per-and Polyfluoroalkyl Substances) are a class of thousands of man-made chemicals.
4. Of these chemicals, PFOA and PFOS are:
 - A. Most analyzed for regulatory standards due to their Health risks.
 - B. Most extensively produced and abundant.



BACKGROUND

5. DDW revisions and updates:

- A. August 2019: notification levels 6.5 ppt for PFOS and 5.1 ppt for PFOA.
- B. February 6, 2020, response levels 40 ppt for PFOS and 10 ppt for PFOA.

6. RPU has detected PFAS within several raw water wells:

- A. 19 wells for PFOA and 22 wells for PFOS in excess of notification levels.
- B. 10 wells for PFOA and zero well for PFOS in excess of response levels.



BACKGROUND

7. RPU's customers water remains below the notification levels for PFOS and PFOA at the point of compliance during high demand because of RPU treatments:
 - A. Ion Exchange (IX) – Ionic resins: mainly for Perchlorate, TCE, 1,2,3-TCP
 - B. Granular Activated Carbon (GAC): mainly for DBCP
 - C. Blending at the Linden/Evans Reservoirs prior to distribution
8. Goal is to mitigate PFAS below notification levels at RPU'S compliance points during low demand (Winter) and continue to provide the highest quality water to the community.



DISCUSSION

1. Five Proposals were received from Carollo Engineers, Inc., Geosyntec Consultants, Inc., GHD Inc., HDR Engineering, Inc., and Kennedy/Jenks Consultants.
2. Detailed selection process by a panel from Water Resources and Planning Engineering, Water Quality and Regulatory Compliance, and Operations staff.
3. Proposals were scored based on Experience (25%), approach and methodology (25%), pricing (20%), Qualifications (20%), and Professional References (10%).

DISCUSSION

1. The proposals ranking is summarized in the table below:

Consultants	City Location	Main Tasks Amount	Optional Tasks Cost	Rank
HDR Engineering, Inc.	Riverside, CA	\$174,900	\$59,800	1
Geosyntec Consultants, Inc.	Huntington Beach, CA	\$129,700	\$48,200	2
Carollo Engineers, Inc.	Walnut Creek, CA	\$286,537	\$115,920	3
GHD Inc.	Irvine, CA	\$241,763	\$153,630	4
Kennedy/Jenks Consultants, Inc.	Pasadena, CA	\$199,825	\$99,065	5

2. determined that HDR Engineering, Inc. of Riverside, California as the highest-ranking proposal.

RECOMMENDATIONS

That the Board of Public Utilities:

1. Approve a Professional Consultant Services Agreement with HDR Engineering, Inc., of Riverside, CA, in an amount not to exceed of \$234,600 for the Long-Term Approach for Perfluorinated Compounds Treatment in response to Request for Proposal No. 2029; and
2. Authorize the City Manager, or designee, to execute a Professional Services Agreement with HDR, Inc. including making minor and non-substantive changes and to sign all documents and instruments necessary to complete the transactions.