



CITY OF
FOLSOM
DISTINGUISHED BY NATURE

Folsom City Council Staff Report

MEETING DATE:	2/13/2024
AGENDA SECTION:	Consent Calendar
SUBJECT:	Resolution No. 11167 - A Resolution Authorizing the City Manager to Execute an Agreement with HydroScience Engineers, Inc. for Design and Engineering Services During Construction for the Tower Tank Rehabilitation Project
FROM:	Environmental and Water Resources Department

RECOMMENDATION / CITY COUNCIL ACTION

The Environmental and Water Resources Department recommends the City Council pass and adopt Resolution No. 11167 – A Resolution Authorizing the City Manager to Execute an Agreement with HydroScience Engineers, Inc. for Design and Engineering Services During Construction for the Tower Tank Rehabilitation Project.

BACKGROUND / ISSUE

The Environmental and Water Resources (EWR) Department identifies water infrastructure rehabilitation and replacement projects through water master plans, ongoing water condition assessment programs, and regulatory changes. Through these efforts, portions of the water system have been identified as needing rehabilitation or replacement in order to improve the water distribution system reliability. Through these efforts, EWR staff identified the Tower Tank Rehabilitation Project as a priority project.

The Tower Tank Rehabilitation Project involves improvements and repairs to five of the City’s water tanks due to aging infrastructure. The water tanks that will be rehabilitated include Tower Tank, Foothills Tanks No. 1 and No. 2, South Tank, and East Tank No. 2. As part of the City’s Water Tank Inspection Program Project, the Tower Tank and East Tank No. 2 were inspected in 2018 and the Foothills Tanks No. 1 and No. 2 and South Tank were inspected in 2019. The tanks were also inspected by the State Water Resources Control Board Division of Drinking Water (DDW) in April 2022.

Per the recommendations from the inspection reports and recommendations by EWR staff from the City’s routine maintenance inspections, the improvements and repairs at the five tank locations will include:

- Interior tank recoating
- Structural repairs
- Blower and mixer installation
- Ladder upgrades for climbing the outside of the tank
- Cathodic protection system upgrades
- Electrical upgrades
- Interior and exterior overall upgrades
- Exterior spot recoating

This resolution will authorize the City Manager to execute an agreement with HydroScience Engineers, Inc. for design and engineering services during construction for the Tower Tank Rehabilitation Project for a not-to-exceed amount of \$398,950.

POLICY / RULE

In accordance with Chapter 2.36 of the Folsom Municipal Code, supplies, equipment, services, and construction with a value of \$73,209 or greater shall be awarded by City Council.

ANALYSIS

In October 2018, the EWR Department completed a pre-qualification process for consultants for design and construction administration services for water and wastewater projects. The consulting firms HydroScience Engineers, Inc., Bennett Engineering Services, HDR, Inc., and Peterson Brustad, Inc. (PBI) were among a group of firms selected to provide these services for this type of project through this previously completed pre-qualification process.

On December 22, 2023, the City requested proposals from the four pre-qualified consultants listed above to provide contract documents including plans, front end specifications, technical specifications, and other miscellaneous items to complete the project manual for public bid of the construction project, as well as engineering services during construction for the Tower Tank Rehabilitation Project. On January 18, 2024, EWR received proposals from HydroScience Engineers, Inc., Bennett Engineering Services, HDR, Inc., and Peterson Brustad, Inc.

The proposals were evaluated by three EWR staff members for technical evaluation prior to reviewing project costs. The proposals were reviewed and scored for project understanding, project team staffing, and recent relevant experience. The technical evaluations were scored as shown in Table 1 based on a maximum technical score of 75.

Table 1: Consultant Technical Scores without Costs

Consultant	EWR 1	EWR 2	EWR 3	Total	Average
HydroScience Engineers, Inc.	70	70	64	204	68.0
Bennett Engineering Services	44	55	50	149	49.7

HDR, Inc.	64	69	64	197	65.7
Peterson Brustad, Inc.	66	63	53	182	60.7

After reviewing each proposal for project understanding, project team staffing, and recent relevant project experience, the proposals were reviewed for project costs. The fee schedules for the scope of work outlined in the request for proposals from each consultant are shown in Table 2.

Table 2: Consultant Project Costs

Consultant	Fee Amount
HydroScience Engineers, Inc.	\$398,950
Bennett Engineering Services	\$511,472
HDR, Inc.	\$558,945
Peterson Brustad, Inc.	\$398,519

HydroScience Engineers, Inc. was determined to provide the best value to the City based on the fee amount, past project experience involving work of similar scope and complexity including staff coordination and technical knowledge and expertise for these types of projects. HydroScience Engineers, Inc. included additional design detail and elaborated on the project understanding compared to the other three consultants for this project, including construction scheduling, tank shutdown scheduling, and coordination with SMUD. Table 3 shows the overall total scores including project costs based on a maximum score of 100.

Table 3: Consultant Overall Scoring Including Project Costs

Consultant	Technical Score (Avg.)	Cost Score	Total Score
HydroScience Engineers, Inc.	68.0	25.0	93.0
Bennett Engineering Services	49.7	19.5	69.1
HDR, Inc.	65.7	17.8	83.5
Peterson Brustad, Inc.	60.7	25.0	85.7

This resolution will authorize the City Manager to execute an agreement with HydroScience Engineers, Inc. for design and engineering services during construction for the Tower Tank Rehabilitation Project for a not-to-exceed amount of \$398,950.

FINANCIAL IMPACT

The Tower Tank Rehabilitation Project is included in the Fiscal Year 2023-2024 Capital Improvement Plan with a total project budget of \$2,905,000. Sufficient funds are budgeted and available in the Water Operating Fund (Fund 520). The EWR Department recommends that the contract be awarded to HydroScience Engineers, Inc. for \$398,950.

ENVIRONMENTAL REVIEW

This project is replacement and/or improvement of existing infrastructure with negligible or no expansion of use and therefore is categorically exempt from environmental review under the

California Environmental Quality Act as noted in Title 14 – California Code of Regulations, Chapter 3 – Guidelines for Implementation of the California Environmental Quality Act, Article 19 – Categorical Exemptions, Sections 15301 (Existing Facilities), 15302 (Replacement or Reconstruction), and/or 15304 (Minor Alterations to Land).

ATTACHMENT

Resolution No. 11167 – A Resolution Authorizing the City Manager to Execute an Agreement with HydroScience Engineers, Inc. for Design and Engineering Services During Construction for the Tower Tank Rehabilitation Project

Submitted,

Marcus Yasutake, Director
ENVIRONMENTAL AND WATER RESOURCES DEPARTMENT

RESOLUTION NO. 11167

A RESOLUTION AUTHORIZING THE CITY MANAGER TO EXECUTE AN AGREEMENT WITH HYDROSCIENCE ENGINEERS, INC. FOR DESIGN AND ENGINEERING SERVICES DURING CONSTRUCTION FOR THE TOWER TANK REHABILITATION PROJECT

WHEREAS, the City has identified this project as a priority to maintain integrity and operation of the water distribution system; and

WHEREAS, the rehabilitation work identified to enhance the City's water distribution system and to continue to provide reliable water service to the City includes rehabilitating Tower Tank, Foothills Tanks No. 1 and No. 2, South Tank, and East Tank No. 2; and

WHEREAS, HydroScience Engineers, Inc. by reason of their experience and abilities for performing these types of services, are qualified to perform the required consulting services for the project; and

WHEREAS, the Tower Tank Rehabilitation Project is included in the Fiscal Year 2023-24 Capital Improvement Plan with a total project budget of \$2,905,000; and

WHEREAS, sufficient funds are budgeted and available in the Water Operating Fund (Fund 520) in the amount of \$398,950; and

WHEREAS, the agreement will be in a form acceptable to the City Attorney:

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Folsom authorizes the City Manager to execute an agreement with HydroScience Engineers, Inc. for design and engineering services during construction for the Tower Tank Rehabilitation Project for a not-to-exceed amount of \$398,950.

PASSED AND ADOPTED this 13th day of February, 2024, by the following roll-call vote:

AYES: Councilmember(s):
NOES: Councilmember(s):
ABSENT: Councilmember(s):
ABSTAIN: Councilmember(s):

Michael D. Kozlowski, MAYOR

ATTEST:

Christa Freemantle, CITY CLERK

*This page is intentionally left blank
to facilitate double-sided printing.*