

STAFF REPORT

Date: June 11, 2025

To: Mayor and City Council

Through: Jackie Bryant, City Manager

Subject: Staff Report (For Possible Action): Approval of Consultant Agreement with HDR Engineering, Inc. for professional engineering services related to the construction of the Reno Stead Water Reclamation Facility Clarifier Rehabilitation 2 & 3 project in an amount not to exceed \$250,744. (Sewer Fund) [Ward 4]

From: Nicholas Brothers, Associate Civil Engineer

Department: Utility Services

Summary:

The Reno Stead Water Reclamation Facility (RSWRF) provides sewer treatment and recycling service for the North Valleys service area. Clarifiers play a critical role in the wastewater treatment process by removing solids before filtration. Clarifiers 1 and 2 at the RSWRF have operated continuously for nearly 20 years. To maintain their performance and reliability, the City of Reno (Reno) must periodically complete rehabilitation and repairs. HDR Engineering, Inc. (HDR) conducted a condition assessment, life cycle analysis, and prepared the design for the clarifiers rehabilitation. Inspection reports and quality assurance inspection and testing is necessary to ensure construction and installation methods are performed in accordance with engineer and manufacturer recommendations. Staff recommends approval of an agreement with HDR for engineering and inspection services to support the construction of the RSWRF Secondary Clarifier Rehabilitation 2 and 3 project in an amount not to exceed \$250,744 (Sewer Fund).

Consent Review	Yes	No
1. Is this item an annual or standard item that comes before Council for regular approval?		X
2. Is this item an agreement required based on an item previously approved by Council?		X
3. Is this item included in the current budget approved and adopted by Council?	X	
Other Considerations		
What percent of the total City budget does this item represent?	0.025%	

Alignment with Strategic Plan:

Infrastructure, Climate Change, and Environmental Sustainability

Previous Council Action:

September 27, 2023 - Council approved a Consultant Agreement with HDR Engineering, Inc. for the engineering services related to the evaluation and design of the RSWRF Clarifier Rehabilitation 2 & 3 project in an amount not to exceed \$223,024 (Sewer Fund).

Background:

The RSWRF treats and recycles wastewater for the North Valleys sewer service area. The secondary clarifiers remove solids from the treatment process prior to filtration. This important treatment step generally requires the facility to operate with at least two clarifiers in operation. The facility has run clarifiers 2 and 3 continuously for nearly 20 years. The clarifiers are primarily constructed of reinforced concrete with sealed concrete joints and carbon steel mechanisms. Over time, the highly corrosive wastewater environment degrades the concrete and steel. Periodic repairs to this infrastructure must be performed for continued operation. The recent plant expansion included the construction of two new clarifiers, allowing the older units to be taken completely out of service for the purpose of inspection and rehabilitation. HDR completed an in-depth inspection of the steel mechanisms and concrete tanks, made recommendations, and provided a design for implementation.

Also on today's agenda for Council consideration is award of the construction contract to KG Walters Construction, Inc. as a separate but related item.

Discussion:

To support construction efforts professional engineering services are requested to provide special inspection of the repairs and field direction as required for successful completion of the project. HDR is selected from the unranked qualified list and is recommended as the designer of the repairs.

Financial Implications:

Funding is available from the Sewer Fund for this consulting services agreement and is budgeted for in the FY25 Capital Improvement Program.

Legal Implications:

The agreement was prepared by the Deputy City Attorney and the parties are bound by the terms of the agreement.

Recommendation:

Staff recommends Council approve the agreement with HDR to support the construction of the RSWRF Clarifier Rehabilitation 2 & 3 project.

Proposed Motion:

I move to approve award of contract to HDR Engineering, Inc., in an amount not to exceed \$250,744 for professional engineering services and inspection to support the RSWRF Clarifier Rehabilitation 2 & 3 project and authorize the Mayor to sign.

Attachments:

HDR agreement CM and inspection services RSWRF clarifier rehab project with scope.