



Legislation Details (With Text)

File #: ID#22-0723 **Version:** 1 **Name:** Approve Work Order for RO2 Injection Well IW-1 Retrofit (20-0020-UT)
Type: Action Item **Status:** Passed
File created: 7/12/2022 **In control:** Public Works
On agenda: 8/4/2022 **Final action:** 8/4/2022

Title: Approve Supplemental Work Order 1 to WSP USA, Inc. for the Reverse Osmosis Plant 2 (RO2) Injection Well 1 (IW-1) Retrofit, Project 20-0020-UT, in the amount of \$98,768.80, increasing the project amount from \$28,545.00 to \$127,313.80 pursuant to Request for Qualifications (RFQ) 26-19, Engineer of Record Consulting Services (EOR) and authorize the appropriate officials to execute same. (consent)

Sponsors:

Indexes: **, 2. Economic & Housing Opportunity, 4. Environmental Stewardship

Code sections:

Attachments: 1. 20-0020 UT Supplemental Work Order RO 2 (IW-1) Retro_Final_rev, 2. 20-0020-UT_Location_Map_Small_Scale

Date	Ver.	Action By	Action	Result
8/4/2022	1	City Council		
8/1/2022	1	Council Work Session		

SUBJECT/RECOMMENDATION:

Approve Supplemental Work Order 1 to WSP USA, Inc. for the Reverse Osmosis Plant 2 (RO2) Injection Well 1 (IW-1) Retrofit, Project 20-0020-UT, in the amount of \$98,768.80, increasing the project amount from \$28,545.00 to \$127,313.80 pursuant to Request for Qualifications (RFQ) 26-19, Engineer of Record Consulting Services (EOR) and authorize the appropriate officials to execute same. (consent)

SUMMARY:

Located at RO2, IW-1 is a class 1 injection well that is used to dispose concentrate. This is a common disposal method used at brackish water RO facilities due to the high amounts of salinity that must be removed during the treatment process.

The purpose of the RO2 IW-1 Retrofit project is to reduce or eliminate air entrainment in the concentrate injection well.

In October 2020, an initial work order was approved to WSP Inc. for a basis of design report which provided options to reduce or eliminate air entrainment in the injection well in the amount of \$28,545.00.

In the basis of design report, WSP USA, Inc. recommended the option of placing the injection well under vacuum or "siphon", installing a precision flow control valve, and additional programming to control pressure and flow during concentrate disposal.

Supplemental Work Order 1 includes design efforts to implement the retrofit recommendations in addition to bidding services once the design is complete.

The City of Clearwater's Public Utilities Department is responsible for owning, operating, and maintaining RO2.

APPROPRIATION CODE AND AMOUNT:

3217321-530100-96767 \$98,768.80

Funds are available in capital improvement project 321-96767, RO Plant at Reservoir 2, to fund the work order.