



**PUBLIC SERVICE BOARD MEETING
AGENDA ITEM**

**REGULAR MEETING
Wednesday, August 09, 2017**

SUBJECT

Task Order Number 2 - Construction Administration Services for Secondary Membrane Treatment of Reverse Osmosis Concentrate at Wells 404, 408, and 414

BACKGROUND

El Paso Water (EPWater) operates 11 reverse osmosis (RO) membrane units at existing Lower Valley wells to treat brackish groundwater to potable standards. These units discharge up to 25% of their water production to the sanitary sewer as brine concentrate, reducing the volume of potable water available for consumption. Joint research by EPWater and UTEP has shown that secondary RO techniques, including seawater reverse osmosis (SWRO), can reduce the total volume of concentrate disposal to approximately 3%. Professional Engineering services are required to perform construction oversight.

EVALUATION PROCESS

Roe Engineering, L.C. (dba H2O Terra) was selected to perform the construction phase services due to their involvement in the pilot and design phases of this project. Staff worked with H2O Terra to develop a scope of construction phase services for the installation of three SWRO units. The scope includes office engineering and field engineering services. The fee proposal associated with this scope of services was submitted, reviewed, and negotiated with the consultant and are in line with the level of effort and hours required to complete the construction project.

FINANCIAL IMPLICATIONS

Sufficient funds are available in account number 1214-053, and the funding source is the Improvement Fund.

PROPOSED ACTION REQUESTED

Approve Task Order Number 2 – Construction Administration Services for Secondary Membrane Treatment of Reverse Osmosis Concentrate at Wells 404, 408, and 414 to Roe Engineering, L.C. (dba H2O Terra) in the amount of \$135,286.

SUPPORTING DOCUMENTATION PROVIDED

) None