



**PUBLIC SERVICE BOARD MEETING  
AGENDA ITEM**

**REGULAR MEETING  
Wednesday, October 11, 2017**

**SUBJECT**

Design, Bid, and Construction Administration Services for Phase 1, and Future Task Orders for Future Phases for the improvements to existing wastewater air release valves at El Paso Water force mains and lift stations

**BACKGROUND**

In December 2016, El Paso Water (EPWater) contracted with CDM Smith to evaluate the condition of 26 existing air release valves connected to sewer force mains (Phase 1). Due to the concentration of hydrogen sulfide in vaults and manholes, mechanical components were found to be corroded which caused the mechanical systems to malfunction. The final technical memorandum that was presented to EPWater recommended removing and replacing the majority of the air release valves and recommended preventive maintenance methods that did not necessitate entering vaults or manholes. Phase 1 for this project will design, bid and construct the improvements for the initial 26 air release valves evaluated. Future phases will continue with the assessment, design, bid, and construction administration of an additional 60 air release valves across the city.

**EVALUATION PROCESS**

In June 2017, CDM Smith was selected for the On-Call Professional Engineering Services for Water, Wastewater, Reclaimed Water, and Stormwater Pipelines Greater than 24-inches contract. A task order was issued under this on-call to evaluate the condition of the air release valves and issue recommendations for improvements. As part of this task order, CDM staff was trained on safety procedures to enter the valve vaults and purchased the necessary safety equipment to assess the vaults and combined with their national experts and expertise in this field is the most qualified firm for this design and future construction project. A fee proposal for Phase 1 scope of services was submitted, reviewed, and negotiated and is in line with the level of effort required to complete this project.

Staff recommends a contract be issued for the design, bid, and construction administration for Phase 1, and requests authorization to issue future task orders for additional professional engineering services required to continue this air release valve improvement program across the city.

**FINANCIAL IMPLICATIONS**

Sufficient funds to cover costs associated with Phase 1 design, bid, and construction administration services in the amount of \$300,000 are available in account number 1917-014, the funding source is commercial paper. Future task orders for additional design, bid, and construction phase services associated with future phases will be paid from funds approved in future budget years and are estimated at \$500,000.

**PROPOSED ACTION REQUESTED**

Award a Professional Services Contract for Improvements to Existing Air Release Valves at El Paso Water Force Mains and Lift Stations to CDM Smith in the amount of \$300,000 for Phase 1 Design, Bid and Construction Administration Services, and authorize future task orders to be issued under this contract in an estimated amount of \$500,000, provided that funding is available in the approved budget for the task orders, and authorize the use of commercial paper.

**SUPPORTING DOCUMENTATION PROVIDED**

) None