



**PUBLIC SERVICE BOARD MEETING  
AGENDA ITEM  
REGULAR MEETING**

**Wednesday, October 10, 2018**

**SUBJECT**

Emergency Professional Services and Construction Services for the Electrical Switchgear Replacement and Preparation of Emergency Action Plan for Roberto R. Bustamante Wastewater Treatment Plant (WWTP) Headworks Lift Station.

**BACKGROUND**

EPWater included in its 10-year CIP plan the rehabilitation of the headworks for year 2020. The headworks is the initial process in the wastewater treatment plant. During a recent inspection, the electrical components that operate the pumps were found to be in seriously compromised conditions that could lead to the failure of the pumping system. Failure of the pumping system will have deleterious consequences affecting the health and safety of the surrounding community. Given the unforeseen nature of this discovery; expeditious assessment and action must be performed. Replacement of the electrical components will require a series of bypass systems to ensure continuous operation of the facility during the length of the project, including piping, valves, pumps, and odor control systems.

**STRATEGIC OBJECTIVES SUPPORTED**

Improve Infrastructure

**EVALUATION PROCESS**

The scope of the project is divided into two stages: Professional Engineering Services/Assessment and Construction/Remediation. Staff selected Brown & Caldwell as the most suitable to perform these services as they were the original designers of this facility and are the most knowledgeable. Their scope includes the assessment and planning stage for the preparation of an emergency action plan that addresses the health and safety of the surrounding community. The remediation and construction stages include temporary power and repair/replace of damaged electrical components, odor evacuation, odor control, structural and electrical and lighting repairs, flow bypass, pump tests, cleanup of piping, preventive maintenance and evaluation of pumps, repair/replacement and installation of existing pumps, installation of redundant pump. Construction and operation of specific components will be performed by Kendrick Electric Corp., Holt CAT, Eaton, ECS Environmental, RM Wright, Square D, Beltran Electric, Core & Main LP. These vendors and contractors were selected according to their ability to mobilize quickly and efficiently and/or their ability to provide the necessary equipment in a timely manner.

**FINANCIAL IMPLICATIONS**

Sufficient funds are available in Account Numbers 1942 and 1946, and the funding sources are the Improvement Fund in the amount of \$700,000 and the Commercial Paper Fund in the amount of \$3,300,000.

**PROPOSED ACTION REQUESTED**

Consider and approve an Emergency Professional Services and Construction Services authorization to procure contracts for the preparation of an Emergency Action Plan for the emergency replacement of the Electrical Switch Gear at the Roberto R Bustamante Wastewater Treatment Plant Headworks Lift Station in the estimated total amount \$4,000,000, and authorize the use of commercial paper.

**SUPPORTING DOCUMENTATION PROVIDED**

- N/A