



DATA SHEET
Agenda Item No. 14.

Meeting Date: May 3, 2018

Agenda Item:

Authorize Executive Director to enter into purchase agreement with Vector Controls, LLC to provide magnetic flow meters for selected locations within the Regional Treated Water System.

Placement: <input type="checkbox"/> Consent <input checked="" type="checkbox"/> Individual Consideration <input type="checkbox"/> Executive Session
Vote: <input type="checkbox"/> Non-Weighted <input checked="" type="checkbox"/> Weighted Capital
Recommending Department: Operations and Purchasing

Background:

The District has traditionally used turbine style meters for billing purposes in the Regional Treated Water System. This is consistent with most utilities. However, the industry has begun moving away from turbine meters; and for some manufacturers, they are no longer available in larger sizes. These trends have made it increasingly difficult to locate companies that are able to provide the required annual calibration services.

Consequently, Staff has performed an evaluation of available alternatives to replace the obsolete turbine meters. The most feasible alternate is the Magnetic flow meter (Mag meter), which uses electromagnetic properties of water to determine the flow velocity. Mag meters have no mechanical measuring element and do not incur the head losses associated with turbine meters. As a result, it is believed that Mag meters should provide a higher level of accuracy than turbine meters and they even offer self-diagnosis feature should a problem occur.

For these reasons, Staff proposes to replace sixteen turbine meters in the Regional Treated Water System with Mag meters. This recommended purchase order provides for only the purchase of the new meters. At the April meeting, the Board authorized a task order with Garver, LLC. related to design, bidding, and construction phase services associated with the installation of these meters. Staff will assist Garver in the system-analysis phase of this effort and, depending on the complexity of the meter change out, may install some of the new meters, as appropriate.

Following required public notices and bidding procedures, sealed bids were distributed to five potential vendors, with one response received. On January 9, 2018, the single response was opened. Staff determined the response was reasonable and recommends the Board authorize the Executive Director to enter into an agreement with Vector Controls, LLC to provide Magnetic flow meters for use in the Regional Treated Water System for a total cost of \$52,068.92

Financial:

Funding is available in the Regional Treated Water System FY 2018 Capital Budget.

Recommendation:

Recommend the Board authorize the Executive Director to execute a purchase order with Vector Controls, LLC to replace turbine meters with magnetic flow meters in the Regional Treated Water System.

Enclosures: None

Submitted By: 
Jody Zabolio, Director of Operations

Date: April 27, 2018