SWEETWATER SPRINGS WATER DISTRICT

TO: Board of Directors **AGENDA NO. V-E**

FROM: Steve Mack, General Manager

Meeting Date: February 7, 2019

Subject: DISCUSSION/ACTION RE THE 2019 CIP, REPLACEMENT OF THE MONTE RIO TREATMENT PLANT GREEN SAND FILTER

RECOMMENDED ACTION: Receive a report on the 2019 CIP which is replacement of the Monte Rio Treatment Plant Green Sand Filter, and provide direction to staff.

FISCAL IMPACT: none

DISCUSSION:

.The 2019 CIP is the replacement of the Monte Rio green sand filter with an ATEC pyrolusite media filter system. The green sand filter provides required iron and manganese removal for the Monte Rio system, is near the end of its operational life, and has been scheduled for replacement in the District's Capital Improvement Program. We are proposing that it be replaced by an ATEC System which is the system used at the Highland Treatment Plant for the Guerneville system, which we have had good experience with and which we believe is far superior to the green sand filter technology which requires storing and handling a hazardous material (potassium permanganate). From our experience, the maintenance and operational costs of the ATEC system is much less than the green sand filter system. Staff have had meetings with ATEC staff and with contractors who have experience with installation of these systems. We currently have no firm time frame on starting this project; we are expecting it can be completed this Spring.

This project is in the Budget at a cost of $250,000 and we expect it to be completed for a similar cost; we are in discussions with the manufacturer of the ATEC system and with a contractor who has installed these systems in the past for cost proposals. We have also had discussions with Piazza Construction on a proposal to do part of the work.

We are proposing to do this project as a sole source construction project. The ATEC system is sold by its manufacturer and has worked with the contractor we are in discussions with. If we put this project out to bid, we would specify the ATEC system, would need engineering plans and construction management to go through a contract award process. By going the sole source route we will purchase the system direction from the manufacturer, get an installation contractor with much experience installing these systems, and save on design and construction management costs.

If the Board agrees with this approach we will come back to the Board with a formal request for a sole source contract(s) with a resolution finding that the sole source contract(s) are appropriate for the installation of the ATEC system.