



BOARD OF COUNTY COMMISSIONERS

DATE: November 27, 2012

AGENDA ITEM NO. //

Consent Agenda ☐

Regular Agenda ☒

Public Hearing ☐

County Administrator's Signature:

Subject:

Addition of Fluoride to the Pinellas County Drinking Water Supply

Department:

Department of Environment and Infrastructure

Staff Member Responsible:

Robert M. Powell, Director, Water and Sewer

Recommended Action:

I RECOMMEND THE BOARD OF COUNTY COMMISSIONERS (BOARD) AUTHORIZE THE DEPARTMENT OF ENVIRONMENT AND INFRASTRUCTURE (DEI) TO IMPLEMENT THE ADDITION OF FLUORIDE TO THE COUNTY'S DRINKING WATER SUPPLY.

Summary Explanation/Background:

Based upon the Board's direction from the November 20, 2012 meeting, I recommend the Board approve the implementation of the addition of fluoride to the County's drinking water supply. The staff at the Keller Plant have inspected the existing fluoridation equipment and determined what was needed to make the systems operational. Both systems, the Connector and the Keller Well Field systems, can be operational by the end of November. The Connector (Tampa Bay Water (TBW) Regional Supply) station can be fully automated. The Keller (TBW Well Field) station will initially run in a manual mode until the programmable logic controller (PLC) can be replaced along with the chemical analyzers to allow full automation. Keller plant personnel will monitor and control the Well Field station chemical residual and dosing until the station is fully automated. The purchase of the chemical has been arranged and can be provided within 3 to 5 days of request. The system can be available within 3 to 5 days following the Board's approval to restore the addition of fluoride to the County's drinking water supply.

DEI will contact its wholesale customers who redistribute water purchased from the County and coordinate a public awareness program for the addition of fluoride to the County's drinking water supply prior to resuming operation of the systems.

Fiscal Impact/Cost/Revenue Summary:

Estimated Expenditure:

Annual Operating Costs are \$160,000 and additional equipment replacement costs are approximately \$25,000 for a total of \$185,000. Funds are available in the Water System Enterprise Fund.

Projected costs for the balance of FY 12/13 are less than the previous budgetary estimate due to treatment application for a 10 month period (December 2012-September 2013), applying a lower target dose (0.7 mg/L), a lower cost per gallon for fluoride chemical (\$2.90/GAL vs. \$2.98/GAL) and slightly lower projected average flows.

Exhibits/Attachments Attached:

None