



Legislation Details (With Text)

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Title:	Discussion of Draft Reverse Osmosis Preliminary Engineering Report and Water Rate Study				
Sponsors:	JP Murphy				
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Attachments:	1. Town of Belleair Draft Executive Summary 8.28.2020, 2. Belleair RO WTP_draft_8-3-20_reduced				

Date	Ver.	Action By	Action	Result
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Summary

To: Infrastructure Board
From: JP Murphy, Town Manager
Date: 8/28/2020

Subject:

Discussion of Draft Reverse Osmosis Preliminary Engineering Report and Water Rate Study

Summary:

If the Town wishes to continue with potable water production, a new Reverse Osmosis (RO) treatment plant is recommended to reduce chloride and TDS concentrations and to address ongoing operational, maintenance and safety concerns at the water treatment plant (WTP). Two reports are provided as attachments; each with executive summaries of their own, but should be considered together for purposes of discussion of future direction of the system.

Besides developing preliminary engineering requirements for the proposed RO WTP systems, the PER was developed to provide the Town with capital and operations & maintenance (O&M) costs for the proposed WTP. Also, a potential phased implementation plan was developed that focuses on using the existing WTP infrastructure to the extent possible to reduce initial capital costs. In addition, the phased approach implements new treatment processes and modifications, only as needed, to address chloride and TDS levels projected to increase over time

In conjunction, with the proposed costs of conversion to RO a water rate study and rate model were conducted to forecast require rate increases and provide benchmark data for analysis. This report summarizes the development of identified rate adjustments for water service that are considered necessary, along with other appropriate sources of funds, to meet the projected revenue requirements. Additionally, rate analysis is included to identify rates for residents as retail customers of Pinellas County.