

EXECUTIVE OFFICER SUMMARY REPORT
December 16, 2015

- ITEM: 13
- SUBJECT: Tour of Padre Dam: A Quorum of the Board will Participate in a Walking Tour of the Padre Dam Municipal Water District (Padre Dam MWD) Facilities and Advanced Water Purification Project. *(David Gibson)*
- PURPOSE: To provide Board Members with a tour of the Advanced Water Purification pilot facility at Padre Dam MWD.
- RECOMMENDATION: This is an information item only; no action will be taken at today's meeting.
- KEY ISSUES: The Padre Dam MWD Advanced Water Treatment Facility is a state of the science facility designed to reclaim waste water for potable re-use.
- PRACTICAL VISION: Research and data collected by Padre Dam MWD from the pilot operation of this facility regulated by the San Diego Water Board supports work related to two chapters in the Board's Practical Vision:

Chapter 2: Monitoring and Assessment; and
Chapter 5: A Strategy for Achieving a Sustainable Local Water Supply.
- DISCUSSION: Staff of the Padre Dam MWD will provide a tour of their facility that will be operating until the summer of 2016. The 100,000 gallons of water treated daily is used only for demonstrating and testing purposes. A virtual tour and more information on the project can be found at: <http://www.padredam.org/204/Advanced-Water-Purification>.

During the Demonstration Project, the purified water will be tested daily to ensure it meets the public health objectives for California Public Health Department approval. The ultimate goal is to develop a proven full-scale project that utilizes water produced

within the District to serve Padre Dam Municipal Water District's customers.

If the demonstration project is a success and the project moves forward, it would provide up to 2,000 to 3,000 acre feet per year of drinking water to Padre Dam customers. This is approximately 20-25 percent of Padre Dam's current drinking water demands.

The Advanced Water Purification Demonstration Project is funded through a three million dollar Proposition 50 grant from the Department of Water Resources, will use advanced water purification technologies to potentially diversify San Diego's East County water supply by providing a new source of water that is safe, reliable, locally controlled and drought-proof.

Padre Dam MWD staff will participate in the panel discussion during Item 10.

LEGAL CONCERNS: None.

SUPPORTING DOCUMENTS:

Information about Padre Dam MWD can be found at <http://www.padredam.org/>

Information about the Practical Vision Chapter 5: *A Strategy for Achieving a Sustainable Local Water Supply* can be found at: http://www.waterboards.ca.gov/sandiego/water_issues/Practical_Vision/docs/PV_5_Sustainable_Local_Water_Supply_Dec2013.pdf

PUBLIC NOTICE:

The meeting notice and agenda for today's meeting was posted on the Board's website and sent to those subscribed to the email list for Board meetings.