

- ITEM: 7
- SUBJECT: Status Report: City of San Diego, San Vicente Reservoir Augmentation Project: After hearing a status report from the City of San Diego regarding its efforts to assess the viability of using recycled water to augment the imported water supply in the San Vicente Reservoir, the San Diego Water Board may consider adoption of a Resolution supporting the project. (Tentative Resolution No. R9-2011-0069) (*Joann Cofrancesco*)
- PURPOSE: To provide the San Diego Water Board with an update on the City of San Diego's San Vicente Reservoir Augmentation Project and to consider adoption of tentative Resolution No. R9-2011-0069 in support of the City's efforts.
- PUBLIC NOTICE: This item was publicly noticed in the Meeting Notice and Agenda, which was posted on the San Diego Water Board's website and distributed to interested persons via the ListServ Management System on September 22, 2011.
- DISCUSSION: The City of San Diego (City) has identified the San Vicente Reservoir Augmentation Project as an opportunity to develop an alternative local water supply. The project would further process the tertiary treated recycled water at the City's North City Water Reclamation Plant (NCWRP) with an Advanced Water Purification Facility (AWPF). The AWPF consists of membrane filtration, reverse osmosis demineralization, and disinfection through the use of ultraviolet light and peroxide. This purified water would be transported through a 23-mile pipeline to the City's San Vicente Reservoir, where it will supplement the imported water. Per state health regulations, to further treat the water, and to protect the public health, the purified water will blend with imported untreated water and reside in the reservoir for several months prior to being processed at water treatment plants.

To assess the feasibility of the proposed full-scale project, the City is currently conducting a pilot-scale AWPf at NCWRP to evaluate the effectiveness and efficiency of the treatment process. In addition, the City is utilizing a computer-modeling program to evaluate the effects of the discharge within the San Vicente Reservoir and is working with the San Diego Water Board and the California Department of Public Health to ensure the proposed project meets federal and state regulations. The City has been invited to today's meeting to provide a status report on the project and to demonstrate the capacity of the computer-modeling program.

The tentative Resolution contained in today's agenda is in support of the City's efforts to determine the feasibility of a full-scale reservoir augmentation project. These efforts are a means to reduce reliance on imported water, increase the use of recycled water, and to implement goals in Clean Water Act section 13510 and the 2008-2012 Strategic Plan Update for the Water Boards.

COMPLIANCE: None.

LEGAL ISSUES: None.

SUPPORTING DOCUMENTS: 1. Location map of NCWRP and San Vicente Reservoir
2. Tentative Resolution No. R9-2011-0069

RECOMMENDATION: Adoption of tentative Resolution No. R9-2011-0069 is recommended