



THE CITY OF SAN DIEGO

M E M O R A N D U M

DATE: May 10, 2012

TO: Natural Resources and Culture Committee - Agenda of May 23, 2012

FROM: Roger Bailey, Director of Public Utilities

SUBJECT: Monthly Update on the Indirect Potable Reuse/Reservoir Augmentation Demonstration Project

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On April 25, 2012, the Public Utilities Department provided an update on the Indirect Potable Reuse/Reservoir Augmentation Demonstration Project (Demonstration Project) to the City Council's Natural Resources and Culture Committee (ITEM-12). This is a progress report of the individual tasks budgeted within the Demonstration Project as requested by Committee members.

**Public Outreach & Education**

- The partnership between the City of San Diego and the Elementary Institute of Science (EIS) has culminated in a water purification process educational video produced by the EIS students. The video is available on the project website, on YouTube, and will be presented to the NR&C committee at the May 23, 2012, meeting. The Demonstration Project was approved as a topic of study during the EIS summer and fall enrichment programs. The learning process included presentations and discussions with city staff as well as a tour of the Advanced Water Purification Facility to better acquaint the students with the subject matter. The beneficial partnership helped students better understand the role science plays in the technology of water treatment and provided project staff a youthful perspective on outreach.
- Throughout the month of May, California is celebrating Water Awareness Month. The event draws attention to the state's water resources and the importance of water to human health and economic vigor. The Water Purification Demonstration Project commemorated the event by holding an open house at the Advanced Water Purification Facility on Saturday, May 12, 2012. Free facility tours were offered every half-hour from 10:30 a.m. to 12:30 p.m. Following an introductory

presentation, participants took a walking tour through the facility and witnessed the purification process in progress. To publicize the event, a news release was sent to local media on May 4, 2012.

- The speaker's bureau continues to engage and educate citizens throughout the city. More than 100 groups have requested a presentation and sometimes, also a group tour. To accommodate agenda time limits, speakers have crafted the ability to give presentations in length of five to thirty minutes. Among others, this rating period included presentations to the University Heights Community Association and the U.S. International Boundary and Water Commission Citizens Forum.

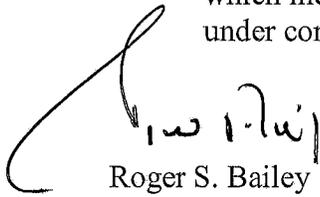
### Events

The Demonstration Project honored Earth Day and Water Awareness Month by staffing informational booths at local events, engaging attendees in discussion, and distributing educational materials at community fairs, employee events, and expos. Events included:

- Qualcomm Earth Day Employee Fair on April 18, 2012. 2,000 employees were in attendance.
- Linda Vista Multicultural Fair on April 21, 2012, drew more than 20,000 attendees.
- EarthFair, the world's largest free environmental fair, on April 22, 2012, in Balboa Park attracted 60,000 attendees.
- Scripps Research Institute Employee Earth Day Fair on April 25, 2012. More than 2,000 employees were in attendance.
- City of San Diego's Take Your Sons and Daughters to Work Day event in the City Concourse Plaza on April 26, 2012.
- BD Biosciences Earth Day fair on April 27, 2012, hosted 200 employees.
- Logan Heights Library Earth Day Event on April 28, 2012, 71 community members attended.
- Fiesta de los Penasquitos on May 6, 2012. Nearly 15,000 attended the multi-cultural event.
- Scripps Ranch Community Fair on May 6, 2012. 6,000 community members were in attendance. Project staff also led an informational presentation at the fair's Green Street Speakers booth.

**Operation of Advanced Water Purification Facility**

- The Limnology and Reservoir Detention Study of San Vicente Reservoir is substantially complete. Flow Science Inc., the limnology consultant, has one task remaining, which is to craft recommendations for future water quality monitoring of San Vicente Reservoir. All other tasks have been completed on schedule and within budget.
- The AWP Facility began its 4th quarter sampling period on May 1, 2012. The testing procedure follows the same protocol used in the last three quarters of monitoring. The purified water will be sampled for more than 300 compounds, which include all regulated drinking water contaminants and all contaminants under consideration for future regulation.



Roger S. Bailey  
Director of Public Utilities

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