



THE CITY OF SAN DIEGO

M E M O R A N D U M

DATE: April 13, 2012

TO: Natural Resources and Culture Committee - Agenda of April 25, 2012

FROM: Roger Bailey, Director of Public Utilities

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

On March 21, 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-9). This is a progress report of the individual tasks budgeted within the Demonstration Project as requested by Committee members.

- Participation in three community events took place during this reporting period: The Greater San Diego Science and Engineering Fair held in Balboa Park on March 21, 2012, hosted 735 middle and high school students vying for science honors. Demonstration Project information was included as part of the educational materials made available to the students participating in the event which promotes educational enrichment. A project team member also took part as a judge and representative of the Demonstration Project.
- The March 24, 2012, San Diego Festival of Science and Engineering, in Petco Park, drew 27,000 would-be scientists and parents seeking a hands-on experience with the latest in science and technology. Nearly 800 curious attendees lined up at the Demonstration Project booth for an opportunity to interact with staff members, get answers to their questions, and spin the prize wheel.
- On March 25, 2012, eight thousand residents and guests enjoyed the Rolando Street Fair. The event featured entertainment, shopping opportunities, and information from clowns for hire to the science behind water purification. In conjunction with the popular Water Conservation Program, Demonstration Project team members engaged more than 80 guests in lively exchanges, tour opportunities and presentations.

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- The speaker's bureau continues to reach out to organizations throughout the city. Highlights include presentations to an 8th grade class at St. Therese Academy and to Therapeutic Recreation Services, a group of high-functioning adults with disabilities. The latter group is interested in learning about earth-related topics and helping to protect San Diego's natural resources. Including the above-mentioned presentations, 106 groups to date have taken advantage of a speaker visiting their meetings or gatherings.
- Students from the Elementary Institute of Science completed an educational video on the advanced water purification process. The students, in conjunction with Council District 4, are developing a plan to present the video to local schools and specialty groups. Currently, the video is not available for viewing, but it will be available soon on YouTube.
- To increase distribution outlets and expand the project coverage area, informational project materials were provided to each library branch in the city and every City Council office. The educational materials were provided for distribution to the public in libraries and for council district related events.
- The second quarter water quality data was received in March 2012. The test water was sampled for more than 300 compounds, which included all regulated drinking water contaminants and all contaminants under consideration for regulation. Similar to the first quarter testing results, the water quality data indicated the purified water met all federal and state drinking water standards and was of better quality than imported water sampled in the same timeframe.
- The Limnology Subcommittee of the Independent Advisory Panel met on March 13, 2012, to review work to date on the San Vicente Reservoir Detention and Limnology Study. This is the third meeting of the Limnology Subcommittee, and work on the reservoir study is nearing completion. The Subcommittee reviewed two major components of the study: the hydrodynamic modeling of the reservoir (i.e., mixing, detention, and dilution) and water quality in the reservoir (specifically nutrients and algae).
- On March 28, 2012, the project team met with officials of the California Department of Public Health Division of Drinking Water and Environmental Management to discuss a proposed regulatory framework to permit a Full-Scale Advanced Water Purification Facility project.



Roger S. Bailey
Director of Public Utilities

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