THE CITY OF SAN DIEGO

MEMORANDUM

DATE: April 1, 2011

TO: Natural Resources and Culture Committee - Agenda for April 20, 2011

FROM: Roger S. Bailey, Director of Public Utilities

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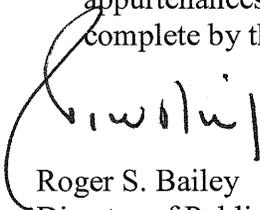   Project

On March 2, 2011, 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-3A).

This is a monthly progress report on development of the individual tasks budgeted within the
Demonstration Project. The following activities have occurred since the March update:

- Outreach staff participated in three community events: the Chinese New Year Fair on
  February 12, the Heritage Festival on February 26 and the Science Expo Day at Petco
  Park on March 26. The latter event drew 20,000 science-savvy students with inquiring
  minds. Event participants were excited to learn the science driving the project, the big
  water picture, and how a full-scale project could supplement our water supplies. More
  than 150 info cards were collected from students and parents requesting additional project
  information.

- During this reporting period, the Urban Water Cycle Tour program has successfully
  completed three tours of the Alvarado Water Treatment Plant and one tour of the Point
  Loma Wastewater Treatment Plant. Almost 200 community leaders, professional group
  leaders and project stakeholders were invited to take part in the educational tours; 27
  accepted. The program will continue through April with scheduled VIP tours and
  additional visits to the Alvarado and Point Loma facilities.

- Project outreach staff partnered with the WateReuse Association to judge the 57th Annual
  Greater San Diego Science & Engineering Fair at Balboa Park. Judges evaluated high

school and junior high school student science and engineering projects related to recycled water. Staff participated in the Science & Engineering Fair to educate students on how their projects relate to the water supply in San Diego, the need to diversify water sources and the Water Purification Demonstration Project. The top prize was awarded to a junior high school student for a project entitled, "Recycled Water in the Making for Groundwater Recharge."

- Speakers Bureau presentations for the remaining groups recommended by City Council members are currently being scheduled. The next wave of presentations will focus on civic organizations and neighborhood councils. A list of upcoming presentations available to the public will be added to the project website, which is undergoing a major revision. The website will also include completed presentations (69 to date), the latest project information, and upcoming citywide community events.

- An email project update was delivered to nearly 1,000 interested parties in February 2011. The notification included construction progress of the Advanced Water Purification Facility (AWPF), community event involvement, and the opportunity to schedule a tour of the new facility. Reservations for future tours are available by calling (619) 533-7572 or by email at purewatersd@sandiego.gov.

- On March 17, 2011, the Limnology Working Group, consisting of City staff, consultants, and independent experts, provided an update of the San Vicente reservoir detention study to staff members of the California Department of Public Health and the Regional Water Quality Control Board. The meeting included an assessment of the reservoir pathogen removal capability, a review of San Vicente reservoir operating scenarios, and a discussion of the California Toxics Rule.

- Installation of the AWPF canopy was completed in February 2011. The design build team is now proceeding with the installation of the AWPF equipment, piping and appurtenances associated with the treatment train. This work is anticipated to be complete by the end of May 2011.

Roger S. Bailey
Director of Public Utilities

cc: Marsi A. Steirer, Deputy Director