



THE CITY OF SAN DIEGO

M E M O R A N D U M

DATE: April 1, 2010

TO: Natural Resources and Culture Committee - Agenda of April 14, 2010

FROM: Alex Ruiz, Interim Director of Public Utilities

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

On March 17, 2010, 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-9B).

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

- Consulting firm Katz & Associates, and its project team, are working with City staff to perform the public outreach & education program. A diverse group of outreach specialists that reflects the community's makeup are currently producing a draft communications plan that is due to City staff on March 30, 2010. A timeline of activities will be finalized following the City's review of the initial draft plan. Work is being done on initial tasks to identify key community leaders who will receive stakeholder interviews to brief them on the project, solicit feedback and answer questions. The outreach team is also working on developing the outreach contact database, a project fact sheet, a frequently asked questions sheet, key messages handout, revisions to the project homepage on the website and materials needed for the stakeholder interviews. The outreach team is meeting bi-weekly to provide/receive project updates, discuss current strategies and outline weekly tasks.
- Flow Science Inc. is progressing according to schedule on the Limnology and Reservoir Detention Study of San Vicente Reservoir (Limnology Study). Task 1 (calibration and validation of the reservoir model) and Task 2 (expansion of the model to the enlarged reservoir) are complete. Flow Science has prepared a technical memorandum (TM) that covers both Task 1 and Task 2; it has been reviewed by City staff and the project team. The next steps of the Limnology Study will be to perform six modeling runs using the fully calibrated model scaled up to the enlarged reservoir. The Limnology sub-committee of the

Independent Advisory Panel (IAP) will meet on March 29 and 30, 2010 to review and comment on this TM and to provide guidance for the next portions of the Limnology Study, including the six modeling scenarios. The IAP meeting will include a tour of San Vicente Reservoir on March 30, 2010.

- A Request for Proposals for designing, procuring, installing, operating and testing of the Advanced Water Treatment (AWT) Demonstration Plant to be located at the North City Water Reclamation Plant was issued on February 4, 2010. Four (4) consultant proposals were received on March 19, 2010. The Purchasing and Contracting Department is currently screening the proposals to ensure they meet City requirements. Interviews are tentatively scheduled for April 8, 2010.
- Staff has collaborated on a project moving forward at the North City Water Reclamation Plant (NCWRP) that entails the installation of infrastructure to support the addition of a sixth Electro Dialysis Reversal Unit (EDR). The EDR units treat a portion of the tertiary effluent, prior to distribution to customers, to ensure that the total dissolved solids (TDS) in recycled water are 1,000 milligrams per liter or less. A sixth unit is required to make certain the NCWRP can meet the summertime peak customer demand for recycled water. The EDR expansion project will also provide an additional concrete pad and hard canopy for future use by the AWT Demonstration Plant. Installing the pad and canopy for the AWT and the EDR unit at the same time will minimize plant disruption and provide cost and time savings to the AWT project. This item is expected to be on the April 13, 2010 Council docket.



Alex Ruiz
Interim Director of Public Utilities

cc: Marsi A. Steirer, Deputy Director