



THE CITY OF SAN DIEGO

MEMORANDUM

DATE: February 9, 2010

TO: Natural Resources and Culture Committee - Agenda of February 24, 2010

FROM: Alex Ruiz, Assistant Public Utilities Director

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

On January 27, 2010, the Public Utilities Department went before the City Council's Natural Resources and Culture Committee (NR&C) and provided an update to ITEM-7B of the Indirect Potable Reuse/Reservoir Augmentation Demonstration Project (Demonstration Project).

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

- The Limnology and Reservoir Detention Study of San Vicente Reservoir work by Flow Sciences Inc., is progressing according to schedule. They have completed Task 1 of the calibration and validation model, and will be submitting a technical memorandum (TM) on this work within the next 30 days. Staff is working with the National Water Research Institute (NWRI) to schedule a meeting of the Independent Advisory Panel to review and comment on this TM.
- On October 28, 2009, the Public Utilities Department went before the NR&C Committee and presented Item 3 - RMC Water and Environment Contract Agreement for project management and public outreach services to the Indirect Potable Reuse/Reservoir Augmentation Demonstration Project. The NR&C Committee voted to forward the project to City Council without recommendation, with the request that additional information regarding the Consultants, scope of work, and EEOC requirements to be provided. On January 26, 2010, the City Council approved this Agreement. It is anticipated that a Notice to Proceed will be issued by end of February 2010.
- Staff completed the scope of work for the Advanced Water Treatment (AWT) Demonstration Plant. A Request for Proposal for designing, procuring, installing, operating and testing of the AWT Demonstration Plant to be located at the North City

Water Reclamation Plant was issued on February 4, 2010. A Pre-Proposal Meeting has been scheduled on February 19, 2010, and Proposal Submittal from the Consultants to the City is due by March 19, 2010.

- Staff has collaborated on a project moving forward at the North City Water Reclamation Plant (NCWRP) that is installing the infrastructure to support the addition of a sixth Electro Dialysis Reversal Unit (EDR). 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 is 1,000 mg/L or less. A sixth unit is required to make certain the NCWRP can meet the summertime peak customer demand for recycled water. Without the additional EDR, recycled water quality will be compromised resulting in higher salinity in the product water, of concern to irrigation and industrial customers. 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. Council will soon consider awarding a contract for a concrete pad, canopy, piping and associated electrical work for the sixth EDR.
- Television personality Huell Howser was at the North City Water Reclamation Plant on January 12 to film a segment on the Demonstration Project for an upcoming episode of *California's Water*. Earlier in the day he filmed at the San Vicente Dam for a story on the region's Emergency Storage Project, and at the Sweetwater Authority's brackish groundwater desalination plant along the Sweetwater River. This segment is expected to air on public television stations next month.



Alex Ruiz

Assistant Public Utilities Director

cc: Jim Barrett, Director of Public Utilities
Marsi A. Steirer, Deputy Director, Long-Range Planning & Water Resources Division