



THE CITY OF SAN DIEGO

MEMORANDUM

DATE: March 1, 2010

TO: Natural Resources and Culture Committee - Agenda of March 17, 2010

FROM: Alex Ruiz, Assistant Public Utilities Director

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

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On February 24, 2010, the Public Utilities Department went before the City Council's Natural Resources and Culture Committee (NR&C) and provided an update to ITEM-6B 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, which is calibration and validation model, and Task 2, which is expansion of the model to the enlarged reservoir. Flow Science has submitted a draft of the technical memorandum (TM) for Tasks 1 and 2. City staff is reviewing the draft TM; it will be finalized by mid-March. The National Water Research Institute (NWRI) has scheduled a meeting of the Limnology Committee of the Independent Advisory Panel on March 29 and 30 to review and comment on this TM and to provide guidance for the next portions of the Limnology Study.
- On January 26, 2010, the City Council approved the Agreement with RMC to provide project management and outreach services for the Demonstration Project. A Notice to Proceed was issued on February 25, 2010, and a kick-off meeting with city staff and consultants was held.
- 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 occurred on February 19, 2010, and Proposal Submittal from the Consultants to the City is due by March 19, 2010. Interviews will be held in April.

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- 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. 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 placed on the City Council Docket of March 16, 2010.



Alex Ruiz

Assistant Public Utilities Director

cc: Jim Barrett, Director of Public Utilities  
Marsi A. Steirer, Deputy Director