



**COUNCILMEMBER DAVID ALVAREZ**  
**City of San Diego**  
**Eighth District**  
**MEMORANDUM**

**DATE:** June 1, 2012

**TO:** Mayor Jerry Sanders

**FROM:** Councilmember David Alvarez, Chair, Natural Resources & Culture Committee

**SUBJECT:** Recycled Water Master Plan Update and Recycled Water Study Report Questions

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At the May 23, 2012 Natural Resources and Culture Committee meeting, staff presented the Recycled Water 2010 Master Plan Update and Recycled Water Study Draft Final Report. The Committee voted unanimously to forward both items to Council for consideration with the condition that questions raised at the meeting that staff was unable to respond to are answered prior to the Council hearing. The list of questions below should be answered prior to this item being heard at Council.

**Questions from Chair Alvarez:**

1. What is the impact of including dry weather storm water flows in the Recycled Water Study?
2. Please clarify the required action City Council is being asked to take on the Recycled Water Study Draft Final Report.

**Questions from Councilmember Lightner:**

1. What is the amount of non-potable recycled water that is delivered to Olivenhain water district?
  - a. How much non-potable recycled water storage capacity does Olivenhain have?

2. How much storage capacity does San Diego have for non-potable recycled water?
3. For this reuse study, why is direct potable reuse (DPR) not included? This would greatly decrease the cost of implementing potable recycled water.
  - a. What sort of infrastructure would be needed to go straight to DPR?
4. What are estimated costs for the pipeline to San Vicente?
  - a. When could pipeline construction commence if you had a very aggressive schedule for fully implementing indirect potable reuse (IPR)?
  - b. Would the City be able to start design of the pipeline early on?
5. The Municipal Code section that requires this master plan, does it limit it to non potable reuse only? Or could the master plan include IPR and DPR; also storm water, gray water and rainwater?
6. Is the phased in expansion of the non potable recycled water system, which was approved in the 2005 recycled water master plan, going to change as a result of the approval of the Master Plan and Study?
  - a. Are there customers in the Phase III area of non-potable recycled water distribution that have dual plumbing?
  - b. Regarding the department's recommendations to only expand non-potable recycled water to infill customers, would this ensure that all developments and businesses who are prepared for non-potable recycled water connections, will get their connections?
7. What is the Public Utilities Department's position on the development of satellite or decentralized non-potable recycled water treatment facilities?
8. Upon the approval of the study in the master plan will the city continue to provide guaranteed water for industry business incentive program?
  - a. How many agreements does the City have with businesses for the Guaranteed Water for Industry?
  - b. Is the City continuing to grant this business incentive?
9. With the advanced water treatment, how is effluent and back-flushing water taken care of?

10. If we do get to the goal of 100 million gallons a day of recycled water use in San Diego, how much additional imported water will we continue to need?
11. Do you have current estimated costs for secondary conversion of the Point Loma Wastewater Treatment Plant with and without full implementation of recycled water?
  - a. What amount of reuse is assumed there?
  - b. Would full recycled water implementation change the amount discharged at South Bay? By how much and what is their current base?
12. Why was storm water, graywater and rainwater reuse not included in either the Master Plan or the Study?
  - a. Do you (or Storm Water Division) have dry weather flow estimates? Could those be provided please?
  - b. Do dry weather storm water flows fluctuate similar to non-potable recycled water consumption, based on the seasons and irrigation demand?

Thank you for your timely consideration of the above questions.

CC: Honorable NR&C Committee members  
Honorable City Attorney Jan Goldsmith  
Andrea Tevlin, Independent Budget Analyst

DA/ks