



THE CITY OF SAN DIEGO



Natural Resources and Culture Committee

Water Purification Demonstration Project

Update on regulatory matters

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Jeffery Pasek, Watershed Manager

September 19, 2012

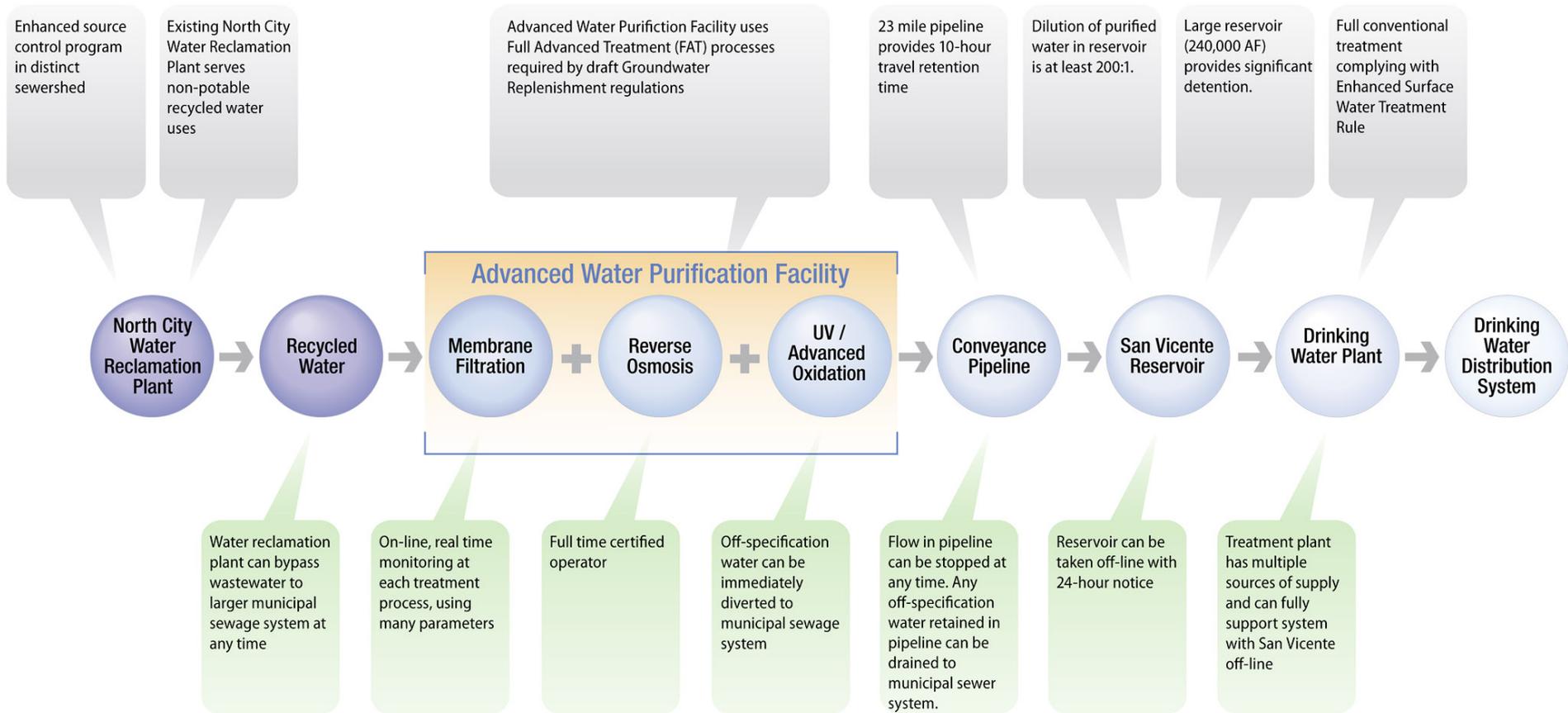
Regulatory approvals of San Diego's full-scale IPR/RA project

There are two key regulatory steps for a full-scale IPR/RA project

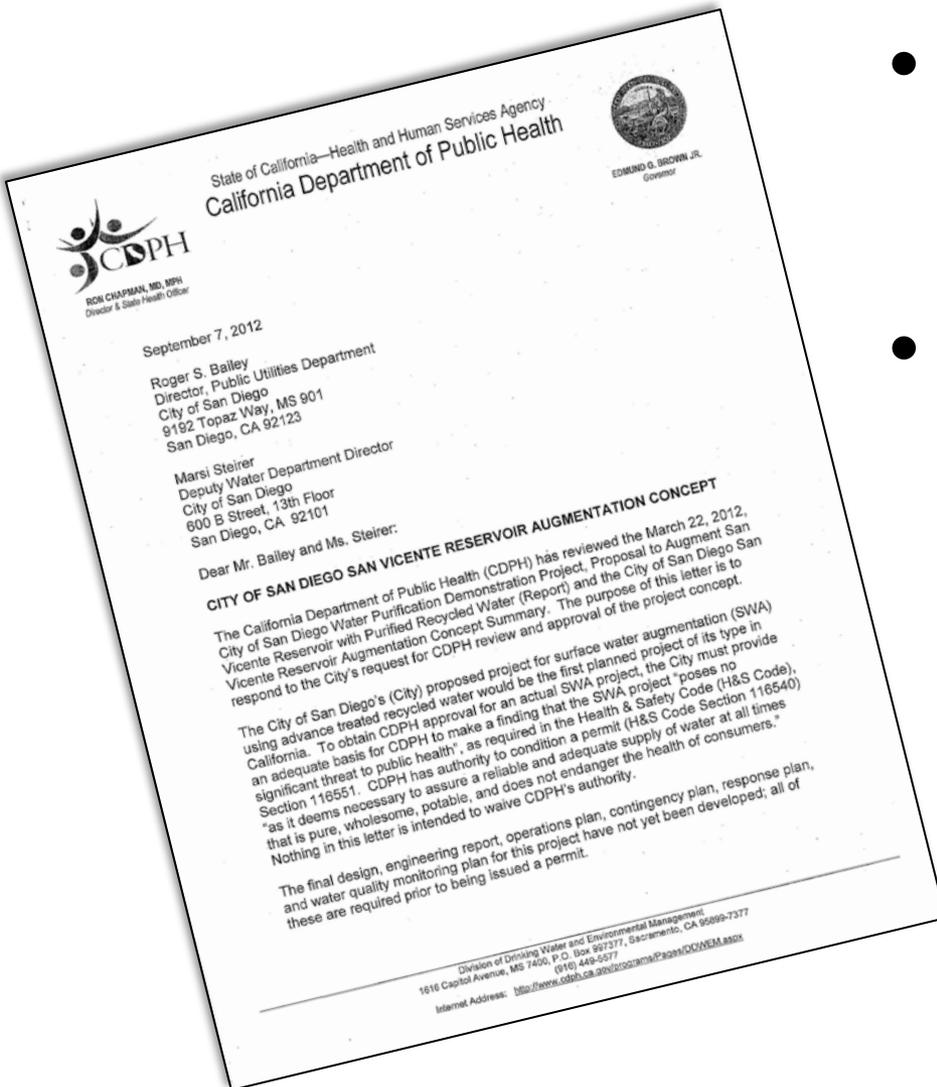
1. California Department of Public Health (CDPH)
 - multiple treatment barriers
 - advanced water purification process
2. Regional Water Quality Control Board (Regional Board)
 - compliance with Basin Plan water quality standards

CDPH's requirements and conditions will be included in the Regional Board's permit

Multiple Treatment Barriers



California Department of Public Health concept approval



- City submitted concept proposal to CDPH in March 2012
- CDPH concept approval letter September 7, 2012

“Based on CDPH’s review of the City’s ... submittal ... CDPH approves the San Vicente Reservoir Augmentation Concept.”

Regional Board approvals

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

RESOLUTION NO. R9-2011-0069

A RESOLUTION IN SUPPORT OF THE CITY OF SAN DIEGO'S SAN VICENTE
RESERVOIR AUGMENTATION PROJECT

WHEREAS, the California Regional Water Quality Control Board, San Diego Region (hereinafter, San Diego Water Board), finds that:

1. California Water Code section 13510 states, the people of the state have a primary interest in the development of facilities to recycle water containing waste to supplement existing surface and underground water supplies and to assist in meeting the future water requirements of the state.
2. The Strategic Plan Update 2008-2012 for the Water Boards includes a priority to increase sustainable local water supplies available for meeting existing and future beneficial uses.
3. The City of San Diego (City) has prepared a water recycling plan entitled, City of San Diego, Recycled Water Master Plan Update 2005 (Master Plan), which identifies non-potable reuse opportunities for recycled water. Subsequently the City prepared the Water Reuse Study Final Draft Report, March 2006, which includes the Master Plan and identifies opportunities for indirect potable reuse (IPR). In October 2007, the San Diego City Council recognized San Vicente Reservoir Augmentation as their preferred IPR strategy.
4. To determine the feasibility of a full-scale reservoir augmentation project, the City of San Diego is currently evaluating the use of advanced water purification technology to provide safe and reliable water. Should this evaluation prove successful, the City plans to construct a full-scale advanced water treatment plant to supplement the current treatment processes at its North City Water Reclamation Plant and a 23-mile pipeline to transport the advanced treated recycled water to San Vicente Reservoir, where it would blend with imported untreated water and reside for several months (per state health regulation) prior to being sent to water treatment plants for additional treatment and distribution as potable water.
5. The San Diego Water Board has a long history of taking actions in support of beneficial water recycling projects in the Region. These actions included amending the Water Quality Control Plan for the San Diego Basin (Basin Plan) in 1996 to provide an exception to the prohibition for recycled water discharges to a lake or reservoir used for municipal water supply.

- Regional Board Resolution re. IPR/RA, October 12, 2011

Regional Board "... supports efforts to develop the Reservoir Augmentation Project at San Vicente Reservoir."

- City submitted "Proposed Compliance Approach" to Regional Board on August 30, 2012

Regional Board approval process

