



Presentation Item 13

Update on Development of Water Supply Project Alternatives Including Recycled Water, March-April 2011

April 18, 2011 Regular Meeting
Staff Contact: Henrietta Stern

Dec. 2009 Adopted Strategic Plan and Water Supply Goals

Focus on priority projects:

- Regional water supply project
- MPWMD Water Project 1 (underground storage)
- MPWMD Water Project 2 (expanded storage)
- MPWMD Water Project 3 (local desalination)
- MRWPCA Groundwater Replenishment Project.

March 31, 2011 Goal Setting Session

- Continue Water Projects 1, 2 and 3
- Water Project 4 = Support Groundwater Replenishment Project
- Water Project 5 = Investigate Los Padres Dam Expansion
- Board to adopt record in April (item 2)
- Board to consider budget and work plan in May 2011

Regional Water Solutions and Partnerships

- Regional Project: CPUC approved project on December 2, 2010.
- Wrote April 12, 2011 letter to Cal-Am supporting pipeline and related facilities within District; advised of process to amend current WDS permit.

Water Project 1 (storage)

- Injection began Dec. 21, 2010 through Jan. 17, 2011; Feb. 16 – Mar. 16, 2011; March 18 to present.
- As of today, 758 AF injected in WY 2011.
- Continued work on facilities building, electrical control equipment, and Cal-Am pipeline easement.
- Continued coordination with Cal-Am re: system operation, and pending State Health approval to increase extractions.

Water Project 1 Facility Building Construction, April, 2011



MONTEREY PENINSULA
WATER
MANAGEMENT DISTRICT

WATER PROJECT 1

Local Water Supply Augmentation

Developed by Monterey Peninsula Water Management District in cooperation with California American Water

Potable water from the Carmel River Basin is transported to this site via Cal Am pipelines to two specially-designed injection wells. The water is stored underground in Seaside Groundwater Basin during winter months. The water is later extracted for community use during summer months. The average project yield is 920 acre-feet per year (300 million gallons), equivalent to the annual use of 3,700 homes.

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Water Project 2 (storage)

- MPWMD and Cal-Am continue coordination on needed infrastructure for Well #1 and #2 planned next year.
- Cal-Am pipeline to Seaside Middle School well site in progress; also temporary backflush pipeline for Well #1.
- Draft water rights permit received from SWRCB; review in progress.
- First draft project description and hydrology impact update completed for planned CEQA Addendum.

Water Project 3 (local desal)

- District Engineer continues to work with Water Supply Planning Committee to describe three most promising desalination sites in Sand City as well as a site near Naval Postgraduate School (NPS).
- General Manager plans to meet with NPS Commandant by May 12, 2011.

Groundwater Replenishment

- Board committees and staff continue to coordinate with MRWPCA regarding the best ways to support the Groundwater Replenishment Project, including public education.

Water Distribution System Permits Update

- Status since March 21, 2011:
- Three new Applications to create a WDS, plus one revised subdivision proposal.
- One new application for a permanent mobile WDS.
- No new Pre-Applications.
- Assessment of fractured rock wells within the District continues; GIS analysis of 750 wells is underway.

For More Information

- www.mpwmd.dst.ca.us
- Click on “Meetings”
- Click on “Board Meetings and Agendas”
- Select April 18, 2011