



Memorandum

MONTEREY REGIONAL WASTE MANAGEMENT DISTRICT

Reviewed by: Wmm Date: 4/9/10
General Manager

DATE: April 9, 2010
 TO: General Manager
 FROM: Information Systems Manager
 SUBJECT: Status Report on Supplying Renewable Energy to Proposed Regional Water Project

With the recent activity in the community concerning the proposed Regional Water Project (RWP), a review of District staff's work to support the project is provided below.

As the Board is aware, and according to information posted on the Monterey County Board of Supervisor's web site, the proposed Regional Water Project is made up of the following several agencies working together as shown below:

- Slant, or vertical wells, will be placed between Highway 1 and the Bay, north of Reservation Road and south of the Sand Plant. The wells will be owned and operated by the Monterey County Water Resources Agency (MCWRA).
- The pumped saltwater will be piped under Highway 1, across the Armstrong Ranch, to a new desalinization plant to be built on the Armstrong Ranch adjacent to both the District's and the Monterey Regional Water Pollution Control Agency's (MRWPCA) southern boundary. The desalinization plant will be owned and operated by the Marina Coast Water District (MCWD).
- The fresh water from the desalinization plant will be sold to California American Water (CAW) and piped to the Peninsula. MCWD will also receive fresh water from the proposed RWP.
- The brine from the desalinization plant will be returned to the Bay through the ocean outfall pipe owned and operated by the MRWPCA.

The District will be able to support the proposed RWP with renewable power from its existing power plant, and with power from a future power plant, planned to be built on the District's southern boundary. To provide the power the water project would need, the new power plant would initially produce electricity using a combination of biogas and pipeline gas. Over time, as more biogas is produced, less pipeline gas will be needed.

Staff is exploring ways of producing additional renewable power. Options being considered include producing power from greenwaste biomass, biosolids, and solar.

District staff continues to meet with staff from MCWD and RMC Water and Environment (representing Water for Monterey County Coalition). A meeting has been scheduled for April 13th to review power demands and timelines.


 Don Prescott