



## Desalination Task Force

### Minutes

4:00 p.m. – Wednesday, September 1, 2010

City of Santa Cruz Water Department Conference Room

212 Locust St, Suite A, Santa Cruz California

For the purpose of preparation of the minutes the following terms will be used throughout the current and all future minutes. The City of Santa Cruz/Soquel Creek Water District Desalination Task Force will be referred to as the “Task Force.” The City of Santa Cruz will be referred to as the “City” and the City of Santa Cruz Water Department will be referred to as the “SCWD.” The Soquel Creek Water District will be referred to as “SqCWD.” A member of the Soquel Creek Water District Board of Directors will be referred to as “Director” and the Soquel Creek Water District General Manager will be referred to as “General Manager.” A member of the Santa Cruz City Council will be referred to as “Councilmember” and the Director of the City of Santa Cruz Water Department will be referred to as “Water Director.”

**Call to Order** Director D. Kriege called the meeting to order at 4:07 p.m.

#### **Roll Call**

Present: Director B. Jaffe, Director D. Kriege (Chair), Councilmember D. Lane and Mayor M. Rotkin.

Staff: General Manager L. Brown, Water Director B. Kocher and Desalination Program Coordinator H. Luckenbach.

**Presentation** There were no presentations.

**Statements of Disqualification** There were no statements of disqualification.

**Oral Communications** There were no oral communications.

#### **Announcements**

General Manager Brown announced that Director Bruce Daniels has been appointed second alternate.

#### **Approval of Minutes**

**Councilmember M. Rotkin moved approval of the July 21, 2010 Desalination Task Force meeting minutes as submitted. Director D. Kriege seconded.**

**VOICE VOTE            MOTION CARRIED**  
**AYES:                    B. Jaffe, D. Lane and M. Rotkin.**  
**NOES:                    None.**  
**ABSTAIN:                D. Kriege.**  
**General Business**

1. Design of Seawater Reverse Osmosis (SWRO) Desalination Facility – Selection of Consultant.

Desalination Program Coordinator Luckenbach thanked the task force for convening early and reported that the first phase if the preliminary design is crucial to the development of the environmental impact report. The scope of work has changed slightly to include conceptual design of the plant at three different sites at 20%.

Mayor Rotkin asked if other desalination methods other than reverse osmosis are available.

Ms. Luckenbach reported that reverse osmosis is currently the most energy efficient and the only technology that is approved for use by the State Department of Public Health.

Mayor Rotkin requested that a public relations fact sheet or white paper be produced on different desalination methods and how reverse osmosis was selected.

Director Jaffe asked if the 20% design will be for a 2.5mgd plant or a 2.5mgd plant that is expandable to 4.5mgd and how energy use and solar alternatives will be addressed in the design process.

Ms. Luckenbach reported that at 20% design the pipe sizes would not be determined and the physical footprint of a 2.5mgd and a 4.5mgd are very similar. The EIR will address the energy impacts and task 1.10 Solar Power Evaluation will specifically look at solar alternatives that will be designed for the specific site.

**Mayor M. Rotkin moved that the scwd<sup>2</sup> Desalination Task Force approve of the preliminary scope of work and budget with Camp Dresser & McKee, Inc. for design of a seawater reverse osmosis desalination facility. Councilmember D. Lane seconded.**

**VOICE VOTE    MOTION CARRIED**  
**AYES:            B. Jaffe, D. Kriege, D. Lane and M. Rotkin.**  
**NOES:            None.**

### **Program Managers' Report**

#### A. Work Schedule

The offshore geophysical study report is complete. The Entrainment Study - Technical Working Group (TWG) held its final meeting to complete its final technical review of the draft report. The final report (draft) to the state for the Pilot Plant was submitted.

## B. Upcoming Tasks

Complete the Entrainment Study final report. The TWG has recommended that Tenera calculate the area of mitigation from modeling that has been done for the open ocean intake structure and include it in the Entrainment Study final report. The Intake Feasibility Study is being done by Kennedy Jenks. On September 20, 2010 a meeting is planned with the regulators and the technical working group from both studies to outline the results of the studies. The results will be presented to the task force at a future meeting.

## C. Additional or Amended Tasks

No Report.

## D. Contacts with Regulatory Agencies/Requests from Regulatory Agencies

CalDesal now has forty members and held its first meeting in Oakland. The organization will be looking to hire an Executive Director, which maybe an individual or a group.

The State Water Resources Control Board will be meeting on September 29, 2010 to discuss Salinity Objectives and Desalination as part of its review of the California Ocean Plan. All of the scwd2 consultants have been asked to provide comments to the board that further scientific information is needed to make an informed decision.

## E. Contracts

The award of contract for Design of the Desalination Plant (CDM) will be on the Council agenda on September 14, 2010.

## F. Public Outreach Program

The next Community Forum will be held on September 23, 2010 at the Simpkins Swim Center on recycled water. The fact sheets from the last Community Forum on the history of both agencies is on the scwd2 website.

General Manager Brown reported the questions (with answers) asked by the public at the last forum are also posted on scwd2 the website along with the Community TV coverage.

## G. Budget

No report.

## H. Report of Findings

No report.

**Public Outreach**      No action was taken on this item.

1. News Article – Santa Cruz Sentinel (7-25-10)
2. News Article – Santa Cruz Sentinel (8-23-10)

### **Items Initiated by Members for Future Agendas**

Director Kriege asked that the task force be provided a time table when the cost estimate for the plant will be finished.

### **Adjournment**

The meeting was adjourned at 4:55 p.m. until the next regular meeting of the Desalination Task Force scheduled for Wednesday, October 20, 2010 at 4:00 p.m. in the Soquel Creek Water District Board Room, 5180 Soquel Drive. Soquel, California

Respectfully submitted,

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ss/Donna Paul  
Staff