



Desalination Task Force

Minutes

4:00 p.m. – Wednesday, April 15, 2009

City of Santa Cruz Water Department Conference Room
212 Locust St, Suite A, Santa Cruz California

The Desalination Task Force consists of two members of the Soquel Creek Water District Board and two members of the City of Santa Cruz City Council.

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 Chair B. Daniels called the meeting to order at 4:15 p.m. in the City of Santa Cruz Water Department Conference Room.

Roll Call

Present: Councilmember R. Coonerty, Director B. Daniels, Director D. Kriege, and Councilmember M. Rotkin.

Staff: Deputy Water Director L. Almond, General Manager L. Brown, Water Director B. Kocher, Desalination Program Coordinator H. Luckenbach and Public Outreach Coordinator M. Schumacher.

Others: Brent Haddad, Project Agreement Facilitator.

Presentation There were no presentations.

Statements of Disqualification There were no statements of disqualifications.

Oral Communications There were no oral communications.

Announcements

Director B. Daniels reported on Senate Bill 42 which may impact desalination facilities as it seeks to end open ocean intakes.

Approval of Minutes

Councilmember M. Rotkin moved approval of the minutes of the March 18, 2009 Desalination Task Force meeting with the following amendments on Page 4:

The motion for General Business Item 1. Reconsideration of Cost Share for Current MOA add the word “plans” as the last word in the first sentence; and

In the Task Force Discussion of General Business Item 2. The last sentence on the page should read, The operating costs should be proportional based upon actual (delete use) add operating costs.

Director D. Kriege seconded.

VOICE VOTE: MOTION CARRIED
AYES: B. Daniels, D. Kriege and M. Rotkin.
NOES: None.
ABSTAIN: R. Coonerty.

Informational Items

1. Contract Change Orders

Councilmember M. Rotkin moved to ratify Contract Amendment No. 1 with Archibald Consulting for the Watershed Sanitary Survey in the amount of \$16,900 and Contract Amendment No. 1 with Tena Environmental for the Entrainment Study and Impact Assessment in the amount of \$17,050. Director D. Kriege seconded

VOICE VOTE: MOTION CARRIED
AYES: R. Coonerty, B. Daniels, D. Kriege and M. Rotkin.
NOES: None.

General Business

1. Energy Minimization and Greenhouse Gas Reduction Study – Selection of Consultant

Task Force Comments

The task force requested that discussion be held with the Public Outreach Consultant on holding a series of public scoping meetings in order to gain public engagement on this important issue.

The scope of work should review all of the programs that both agencies have done or are working on to offset energy use early in the scope and should also have an emphasis on providing information for the EIR.

Councilmember M. Rotkin moved approval with the comments included above of the Scope of Work and Budget with CH2MHill for the Energy Minimization and Greenhouse Gas Reduction Study. Councilmember R. Coonerty seconded.

VOICE VOTE: MOTION CARRIED

AYES: R. Coonerty, B. Daniels, D. Kriege and M. Rotkin.
NOES: None.

2. Draft Project Plan & Agreement – Issues Settled/Issues to be settled

The Draft Project Plan & Agreement is an ongoing work product and standing agenda item.

Project Agreement Facilitator Haddad reported that the task force requested that a simplified approach to dividing operating costs be developed. An updated issues settled/issues to be settled list will be provided for the May meeting and the draft interim memorandum of agreement for the June meeting.

The task force discussed being charged for water ordered versus water delivered. The cost could be allocated on Water Orders as long as both agencies are satisfied that the plant operates in a way that produces the amount of water expected. The costs could also be allocated on water produced and any shortages or overages could be rolled over to the next month. The capital refurbishment costs should be based upon water ordered (on a set basis) rather than plant capacity.

Scenario 3 on page 40 should be removed.

The task force requested that a detailed list from page 39 be provided and that the task force formally give tentative approve the SCWD 59% and the SqCWD 41% cost share basis at the next meeting.

Program Managers' Report

A. Work Schedule

- The Pilot Plant shuts down today. It will take about a month to dismantle. Staff continues to work with UCSC on final development plans for the site.
- The Technical Group for the subsurface study met on April 2nd to review the work plan.

B. Upcoming Tasks

An algal cell removal study is being conducted to demonstrate cellular removal through the treatment process.

C. Additional or Amended Tasks

No Report

D. Contacts with Regulatory Agencies/Requests from Regulatory Agencies

No Report.

E. Contracts

The Request for Proposals for the full scale EIR will come to the Task Force in May or June.

F. Public Outreach Program

An informational meeting will be held on April 22nd at the Seymour Center.

G. Budget

No Report.

H. Report of Findings

Investigation 2 tested various RO membrane/configurations with respect to water quality & energy.

- SWRO seawater reverse osmosis “single stage”
- SWRO + 25% 2nd Pass: Sends 25% of SWRO permeate through a low pressure membrane (LPRO) to increase water quality “partial second pass”
- Two stage LPRO/SWRO Sends concentrate from LPRO to SWRO. Projected to achieve higher recovery (permeate) with lower energy requirement “two stage”

Results:

- Boron: Single stage operation can achieve boron goal; partial second pass does a little better, at increased energy requirement; two stage exceeds boron goal.
- Energy: energy required for two stage is actually higher than single stage due to re-pumping.
- Chloride: single stage and partial second pass meet the MCL for chloride; two stage does not.
- Bromide: single stage and partial second pass meet the goal to reduce TTHMs: two stage does not.
- Two stage is not performing as speculated in achieving better water quality at lower energy.

Public Outreach

A list of dates of the scwd2 documentary that is airing on community television channel 26 and 72 and an article from the Good Times on 04/08/09 was provided to the task force and will be included in the original papers.

Items Initiated by Members for Future Agendas

No items were initiated. Director Daniels will not be available for the May 20, 2009 meeting.

Adjournment

The meeting was adjourned at 6:00 p.m. until the next regular meeting of the Desalination Task Force scheduled for Wednesday, May 20, 2009 at 4:00 p.m. in the Soquel Creek Water District Board Room, 5180 Soquel Drive, Soquel, Santa Cruz, California.

ss/Donna Paul

Staff