



**Community Informational Meeting
Seawater Desalination- Energy Use and Climate Impacts
Thursday, December 8, 2011**

**Live Oak School (1916 Capitola Road, Santa Cruz)
6:00 – 6:45 PM Presentations
6:45 – 8:00 PM Q/A Panel**

Time	Presentation and Speaker
6:00 – 6:05 PM	Welcome and Introductions <i>Melanie Mow Schumacher, scwd² Public Outreach Coordinator</i>
6:05 -6:15 PM	Water Supply Shortages and Planning for our Water Future <i>Heidi Luckenbach, scwd² Desalination Program Coordinator</i>
6:15 - 6:45 PM	Understanding Energy and Climate Impacts with Desalination <i>Susie O'Hara, Project Manager- Energy Study, City of Santa Cruz</i> <i>Todd Reynolds, Technical Advisor for the scwd² Desalination Program, Kennedy/Jenks Consultants</i> <i>Julia Sorensen, Civil Engineer, Kennedy/Jenks Consultant</i>
6:45 -7:55 PM	Question and Answer Session with Panel
7:55-8:00 PM	Closing Remarks

To submit a question during the Q/A session, please fill out a question form. Forms will be collected and questions will be asked by the meeting's moderator. Time constraints may prevent all questions from being answered at the meeting; however, all questions will be posted with responses on the project website, www.scwd2desal.org

For meeting materials: www.scwd2desal.org

Presenters

Heidi Luckenbach, P.E., City of Santa Cruz. Ms. Luckenbach is the Desalination Program Manager for the City of Santa Cruz Water Department, responsible for developing and implementing the work plan for a seawater reverse osmosis desalination facility. Heidi Luckenbach is a civil engineer with over 15 years of experience in the engineering field with a focus on water supply planning, drinking water treatment and distribution.

Ms. Luckenbach received her BS in Civil Engineering from California State University, Northridge and an MS in Environmental Engineering from UCLA in 1992. She is a Registered Civil Engineer in California, serves as Secretary of the Desalination Committee for the California Nevada Section of AWWA and a current board member for AMTA.

Susie O'Hara, P.E., City of Santa Cruz. Ms. O'Hara is the Project Engineer managing the Energy Minimization and Greenhouse Gas Reduction Study for the scwd² Regional Desalination Program. After receiving her BS in Civil Engineering from UC Davis, Ms. O'Hara worked for a number of years as an Engineer for the City of San Diego Water Department Capital Improvements Program, with a main focus on long range planning and water modeling.

Following a four-year term as a City of Santa Cruz Water Commissioner, Ms. O'Hara was hired by the Water Department to assist the Desalination Program Coordinator with the development of the 30% Design and EIR of which the Energy Study is a large component.

Todd Reynolds, P.E., Senior Engineer with Kennedy/Jenks Consultants in San Francisco, CA. Mr. Reynolds is a principal engineer with Kennedy/Jenks Consultants in San Francisco, CA. He has 20 years of engineering and management experience and 15 years of consulting experience in water treatment, recycled water and desalination processes. Mr. Reynolds has expertise in energy efficiency and renewable energy systems to reduce energy and greenhouse gases associated with water treatment. He is the Technical Advisor for the scwd² Seawater Desalination Program.

Mr. Reynolds has a BS in Nuclear Engineering and a MS in Environmental Engineering from the University of California at Berkeley. He is a member of the American Water Works Association and is a Board Certified Environmental Engineer from the American Academy of Environmental Engineers. Before joining Kennedy/Jenks, Mr. Reynolds served as a submarine officer in the U.S. Navy.

Julia Sorensen, P.E., Civil Engineer with Kennedy/Jenks Consultants in San Francisco, CA. Ms. Sorensen is a Civil Engineer with Kennedy/Jenks Consultants in San Francisco, CA. She has four years of engineering experience in water, recycled water, energy, and sustainability projects. Her experience includes water-energy nexus evaluation, water quality analysis, master planning, and treatment design. Ms. Sorensen has a B.S. in Civil Engineering with a focus in Environmental and Water Studies from Stanford University.

Ms. Sorensen also has a background in renewable energy, having previously worked for a wind power developer. She is a LEED Accredited Professional with knowledge in sustainable attributes of buildings and the LEED building certification process.