



**Recycled Water Informational Meeting  
Thursday, September 23, 2010**

**Simpkins Swim Center (979 17<sup>th</sup> Avenue, Santa Cruz)  
6:30 – 8:00 PM Presentations  
8:00 – 8:30 PM Q/A Panel**

<b>Time</b>	<b>Presentation</b>	<b>Speaker</b>
<b>6:30 – 6:35 PM</b>	<b>Welcome and Introductions</b> <i>Melanie Mow Schumacher, scwd<sup>2</sup> Public Outreach Coordinator</i>	
<b>6:35 -6:45 PM</b>	<b>Water Supply Shortages and Integrated Water Plans for the City of Santa Cruz and Soquel Creek Water District</b> <i>Heidi Luckenbach, scwd<sup>2</sup> Desalination Program Coordinator</i>	
<b>6:45 - 7:05 PM</b>	<b>Water Recycling - CA Uses, Regulations, and What's Ahead</b> <i>Dr. David Smith, Managing Director, WaterReuse Association, California Chapter</i>	
<b>7:05 - 7:20 PM</b>	<b>Project Spotlight: Urban Application for Water Recycling</b> <i>Charles McNiesh, General Manager, Scotts Valley Water District</i>	
<b>7:20 - 7:35 PM</b>	<b>Project Spotlight: Agricultural Application for Water Recycling</b> <i>Mary Bannister, General Manager, Pajaro Valley Water Management Agency</i>	
<b>7:35 - 7:55 PM</b>	<b>Recycled Water Opportunities &amp; Challenges for the City of Santa Cruz and Soquel Creek Water District</b> <i>Todd Reynolds, Senior Engineer, Kennedy/Jenks Consulting</i>	
<b>7:55 -8:25 PM</b>	<b>Question and Answer Session with Panel</b>	
<b>8:25-8:30 PM</b>	<b>Closing Remarks</b>	

**For meeting materials: [www.scwd2desal.org](http://www.scwd2desal.org)**

## Presenters

**Heidi Luckenbach, P.E., City of Santa Cruz.** As the Desalination Program Coordinator, Ms. Luckenbach is responsible for overseeing the various studies related to the proposed 2.5 MGD desalination plant that the City of Santa Cruz and Soquel Creek Water District is evaluating as a supplemental supply source. She has worked for the City of Santa Cruz for over 10 years and previously worked in Phoenix, Arizona, Illinois, and Southern California.

**Dr. David W. Smith, Managing Director, WaterReuse Association, California Chapter.** Dr. Smith has over 30 years of experience in water recycling. He has managed planning, design and/or startup for more than \$1 billion in water recycling projects. He has an undergraduate degree from UC Davis in Aquatic Ecology and a doctoral degree from the UC Berkeley College of Engineering. He started his career at the San Francisco Bay Regional Water Quality Control Board, then founded Merritt Smith Consulting in 1988. In addition to working on a broad range of water recycling issues and projects as a consultant, he also provides compliance and water quality services to drinking water utilities and addresses NPDES discharge and compliance issues for wastewater utilities. He became WaterReuse California's first Managing Director in April 2009. In his role as Managing Director, he works on regulatory and legislative issues of concern to WaterReuse members and manages the business affairs of the organization. Tonight, he is here to provide an overview of water recycling.

**Charles McNiesh, General Manager, Scotts Valley Water District.** Mr. McNiesh has served as General Manager of Scotts Valley Water District since October 2005. Scotts Valley Water District and the City of Scotts Valley initiated joint construction of a recycled water treatment plant in 1998. Recycled water delivery to the first landscape customers began in 2002. The recycled water program has grown each year since then, and recycled water now comprises 11% of the District's total water supply.

Prior to joining Scotts Valley Water District, he was with the Pajaro Valley Water Management Agency for 14 years, including six years as Interim General Manager and General Manager. Earlier in his career, he worked on riparian vegetation issues for Monterey Peninsula Water Management District and on agricultural irrigation management projects for University of California Cooperative Extension, Santa Cruz County Agricultural Extension, and U.S. Bureau of Reclamation. Mr. McNiesh holds a M.S. in soil science from University of British Columbia at Vancouver and a B.S. in soil science from Oregon State University.

**Mary Bannister, RG, CEG, General Manager, Pajaro Valley Water Management Agency.** Ms. Bannister is a state of California Registered Geologist (RG) and Certified Engineering Geologist (CEG) with a background in groundwater management, contamination and supply projects, including 10 years of work in remote Alaskan locations. Ms. Bannister earned her bachelor degree in Earth Science from UC Santa Cruz. She has been with the PVWMA for over 10 years, serving as General Manager since 2008. There were numerous challenges facing the Agency when she took on the leadership role including several lawsuits challenging the Agency's rate structure.

Ms. Bannister has successfully led the Agency and the Pajaro Valley community through the rigorous Proposition 218 rate process and is preparing to rebuild the Agency and restore the groundwater basin in one of the most fertile agricultural communities in the state and country.

**Todd Reynolds, P.E., Senior Engineer with Kennedy/Jenks Consultants in San Francisco, CA.** Mr. Reynolds has 17 years of engineering and management experience and 12 years of consulting experience in water, recycled water and wastewater treatment including MF, UF, desalination and MBR processes. He was the Project Engineer for the MMWD Seawater Desalination Pilot Program and is the Program Advisor for the **scwd**<sup>2</sup> Seawater Desalination Program. He recently wrote a white paper on the opportunities and limitations for water recycled use for the City of Santa Cruz and Soquel Creek Water District. It is available at [www.scwd2desal.org/Page-Documents.php](http://www.scwd2desal.org/Page-Documents.php)

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 Membrane Technology Association and American Water Works Association and is a Board Certified Environmental Engineer from the American Academy of Environmental Engineers. Before joining Kennedy/Jenks, he served as a nuclear submarine officer in the U.S. Navy.