

Kick-off of the Affordable Desalination Project November 15, 2004

Leaders in the desalination industry hold an inspiring summit to kick off the Affordable Desalination Collaboration Project, (ADC). *San Leandro, California, November 4th*. The ADC held its first kick off meeting this week and the attendance was extraordinary. It was a diverse group of desalination leaders from both the public and private sectors. The growing group of member and sponsor participants includes the U.S. Naval Facilities Engineering Service Center Seawater Desalination Test Facility, West Basin Municipal Water District of Southern California, California Department of Water Resources, California Energy Commission, Office of Naval Research and the U.S. Bureau of Reclamation. Leading private sector members include Carollo Engineers, FilmTec Corporation, David Brown Union Pumps-Extron, Energy Recovery Inc., Pentair Water Treatment-CodeLine, Piedmont Pacific Corporation, Poseidon Resources, and WaterEye. The meeting was held at Energy Recovery, Inc's headquarters in San Leandro, California.

This unique collaboration of utilities, vendors and engineers with a mission to create affordable, low-energy desalination, promises to produce impressive results. The process impressed Tom Seacord of Carollo Engineers, who said, "The meeting definitely helped Carollo to refine the test plan and protocol. But more than that, getting all of the players together in one room with a common goal is promising to produce some impressive results."



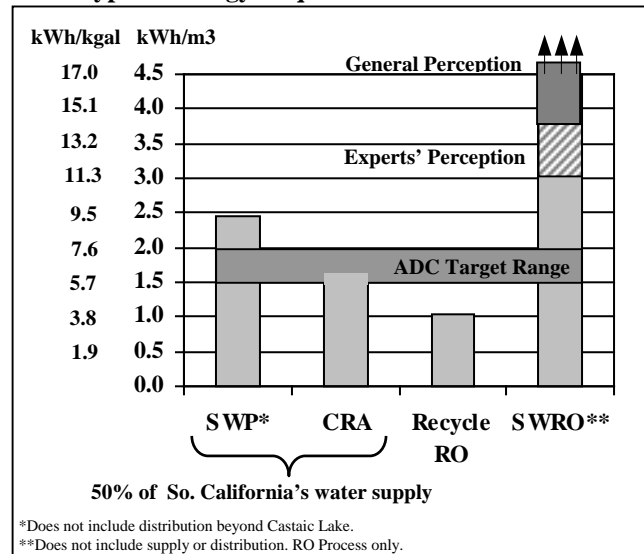
Back Row L-R: Frank Meyers, Paul Shoenberger, Fawzi Karajeh, John MacHarg, Jim Elliott, David Kraska, Lance Johnson, and Gerry Filteau

Middle Row L-R: Steve Dundorf, Tom Seacord, Randy Truby, and Steven Coker

Front Row L-R: Mark Miller, GG Pique, Shahid Chaudhry, Jim Medanich, Sethi Benjemaa, Paul Sellier

The ADC will build and operate a full-scale demonstration plant at the U.S. Navy's Seawater Desalination Test Facility in Pt. Hueneme, California, using a unique combination of proven technologies. The major goal of the Project is to demonstrate that seawater reverse osmosis (SWRO) can be energy and cost competitive with traditional sources of fresh water such as those found in Southern California, where it requires between 1.6-3.1 kWh/m³ (2000-3800 kWh/acre-ft) to pump water through the State Water Project and Colorado River Aqueducts. These two sources of fresh water currently represent 50% of Southern California's water supply. Indeed, pumping water is the single largest consumer of electricity in California. It should be no surprise that California stakeholders are interested in desalination and energy efficiency.

Typical Energy Requirements and the ADC



There are many benefits of desalination including its outstanding reliability, close proximity to the end-users, comparatively low capital costs, and low environmental impact. If the ADC can reach its goals and demonstrate that SWRO has become less energy intensive than conventional methods, desalination will be well on its way to becoming a preferred source of fresh water for many areas. The project is off to a good start and promises to show California, the US and the world that SWRO has arrived as an affordable, reliable and environmentally responsible source of fresh water.

For more information on the ADC, please contact John MacHarg, Energy Recovery, Inc. Tel# 510-483-7370, e-mail: jmacharg@affordabledesalination.com