

EXHIBIT "A"

DRAFT Ocean-Water Desalination Exhibit Plan

Created on July 29, 2008

In attendance: Ron Wildermuth, Phil Lauri, Darryl Ramos-Young

Main Interpretive Themes

1. Water Reliability 2020
 - a. Why?...legal restrictions on water, population growth, reoccurring droughts, etc.
 - b. How?...water recycling, conservation, education and ocean-water desalination.
 - c. Benefits?...many benefits; drought protection, reliable local supply, etc.

2. Ocean-water Desalination as part of Water Reliability 2020
 - a. Desal general information / history
 - b. Pilot plant
 - c. Demonstration plant
 - d. Purification process
 - i. Microfiltration (MF)
 - ii. Reverse osmosis (RO)
 - iii. Reducing energy and costs
 - iv. Energy recovery
 - e. Protection of environment
 - i. Sub ocean floor extraction
 - ii. Wedgewire screen
 - iii. Brine dilution
 - iv. Life cycle of fish

Goals & Audiences for Three (3) West Basin Exhibit Areas:

1. Water Reliability Display with emphasis on Desalination (SEA Lab):

Communicate West Basin's *Water Reliability 2020 Initiative*, highlighting West Basin's water portfolio and detailing water recycling, conservation, education and ocean-water desalination to ensure water sustainability for the region. Describe ocean-water desalination as the newest addition to Water Reliability 2020. Include hands on reverse osmosis (RO) system, brine dilution aquarium, DVD movie, purification technology microfiltration (MF)/RO, protection of ocean environment with sub-ocean floor model, wedgewire screen display, life cycle of fish display and energy and cost saving information

Target audiences:

- Community leaders and general public
- Youth visitors - 3rd grade partnership school program with SEA Lab
- Water industry professionals

2. 4'x10' exhibit space at Roundhouse Aquarium:

A satellite exhibit space providing a summary overview West Basin's *Water Reliability 2020 Initiative*, and referring to West Basin's ocean-water desalination as one method of ensuring water sustainability for the region. Include Water Reliability 2020, technology and ocean protection information

Target audiences:

- 3rd-12th grade students visiting aquarium as part of water Explorations school tours
- Community leaders and general public

3. Enhanced exhibits at Edward C. Little Water Recycling Facility

Update the exhibit gallery to include West Basin's Water Reliability 2020 Initiative and ocean-water desalination exhibit in the corner near the water source light board. Display will highlight Water Reliability 2020 Program and ocean-water desalination as a key element of the program. Information will include ocean purification technology and ocean protection. The display will provide preliminary information prior to actual tour of MF and RO facilities.

Target audiences:

- Community leaders and general public
- 3rd-12th grade students visiting plant as part of Water Explorations school tours
- Water industry professionals

Potential Exhibit Concepts & Narratives	Demo	Roundhouse	ECLWRF
Main WR 2020 interpretive themes	X	X	X
Water conservation with sample devices	X		
Water Recycling information	X		X
Hand-operated simulation RO pump	X		X
Live-animal aquarium with higher salt concentration	X	X	
Description of ocean-water desalination process w/ LED light sequence thru models	X		
Description and samples of wedge-wire screen	X		X
Model of layered submerged ocean floor in-take valve	X		
DVD footage of Water Reliability 2020 including desalination	X	X	X
Description of energy recovery system	X		X
Description of ocean-water desalination pilot project	X		X
Spigots for water quality sampling and testing	X		X
Mural of RO units simulating full-scale plant & mural of healthy ocean	X		
Life cycle of rock fish	X	X	X