

The Magic of Design-Build



*2008 DBIA Western Pacific Region Awards Competition
Newport Beach Marriott
May 29, 2008*

2008 Design-Build Awards Program

Tonight marks the Western Pacific Region's second annual design-build awards competition! The awards competition honors projects in our Region area (California, Nevada, Hawaii and Arizona) that exemplify the principles of interdisciplinary teamwork, innovation and problem solving that characterize design-build delivery.

Tonight's program will showcase the award winning projects and detail the behind the scenes efforts and tricks-of-the-trade involved in their successful design-build process - all part of the Magic.

Program Agenda

6:00 PM Registration, Cocktails and Hors d'euvres

Magical Entertainment provided by Craig Stone

7:00 PM Dinner

*Musical Entertainment provided by Lindsay Morton, Cellist
Simona Talberga, Violinist*

8:00 PM Awards Presentation

Congratulations to all award winning teams!

Award Program Judges

Thank you to our jury members who put forth time and effort in judging the award submissions!

Susan Hobbes, Director, University of Nevada, Las Vegas

Michael Bade, Director- Capital Programs, UCSF

Larry Eisenberg, Executive Director, Facilities Planning & Design,
Los Angeles Community College District

Oscar Khoury, Principal Engineer - Water, City of Riverside

Charles Guess, Chief Engineer, Orange County Transportation Authority

Katy Allen, Director of Public Works, City of San Jose

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Design Build Award Winner:

Mountain House Water Reclamation Facility

Best Project- Developer Design-Build
Pacific Environmental Resources Corp.



Project Description

The Mountain House Water Reclamation Facility is a 3 million gallon per day hybrid-sequential batch reactor that is designed to treat and reclaim municipal wastewater from the Mountain House development, a community of nearly 5,000 acres consisting of 44,000 planned residents. The Facility has a unique design whereby all treatment of wastewater occurs in below ground tanks that are covered with 14,000 square feet of operations buildings constructed above the tanks.

The Mountain House Water Reclamation Facility features:

- Capacity to treat and reclaim 3 million gallons per day utilizing a total tank structure of less than three-quarters of an acre
- All process treatment is uniquely build underground with operations buildings constructed above the tanks, therefore reducing land use, noise and odors

- Among the first chemical-free facilities in the US to utilize UV Disinfection certified under NWRI to meet California Title 22 requirements
- Commenced Design in March 2003 and Completed Construction in July 2005
- Supports 12,000 homes and 37,000 people in current phase
- Recognized as Highly Commended by the Global Water Intelligence annual Global Water Awards in 2005
- Design/Build contract of \$15,500,000 with total net change order of less than \$50,000
- Performance Bonus of \$500,000 earned by PERC following successful operations and compliance with Waste Discharge Requirements

Design-Build Team

Contractual Design-Build Team: PERC

General Contractor: PERC

Plant Operator: PERC (first six-months)

Architects: Winton Architects

Engineers:

PACE

Paul-Koehler Structural Engineers

Wright Electrical Engineers

Condor Earth Technologies

Specialty Contractors:

Teichert

ARB

Rosendin Electric

Tennyson Electric

Owner/developer: Mountain House CSD (Owner)

Trimark Communities (Developer)

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