

Michael R. Markus, P.E., D.WRE, BCEE, F.ASCE



Experience

Sep 2007 to Present **Orange County Water District**, Fountain Valley, California
General Manager

Responsible for providing the vision, leadership and management of a globally renowned groundwater management agency. The agency consists of a staff of 216 persons and has an annual operating budget of \$130 million. The District has issued \$600 million of debt over the past 10 years to fund its capital improvement program and expanded its Groundwater Replenishment System (GWRS) recycled water facility to 100 million gallons per day. This position reports directly to a 10-member Board of Directors and interfaces with other water and state regulatory agencies as well as a myriad of other outside stakeholders. In this position it has required developing close relationships with elected officials in Sacramento and Washington, D.C. to help secure funding for projects and develop legislation that has helped advance the mission of the District.

Oct 2002 to Sep 2007 **Orange County Water District**, Fountain Valley, California
Program Manager, Groundwater Replenishment System/Operations

Responsible for the management and oversight of the design, construction, commissioning, start-up and operation of the \$481 million GWRS program, which included a 70 million gallon per day (mgd) advanced water purification facility consisting of microfiltration, reverse osmosis and advanced oxidation, a 13-mile pipeline ranging in diameter from 60 through 72-inch and expansion of the seawater intrusion barrier including 8 new well sites. This position required interface and coordination with numerous consulting engineers and regulatory agencies. It also required presentations to the Boards of Directors, Joint Agency Committees and outside stakeholders. Stakeholders included federal, state and local elected officials, as well as neighborhood, environmental and minority groups.

Sept 1995 to May 2000 **University of Southern California**, Los Angeles, California
Part-time Lecturer, Civil Engineering Construction Management Department

Taught two Master level courses in construction management within the Civil Engineering Department. The first class was CE556a which was a scheduling class that also utilized Primavera scheduling software. The second class was CE556b which was an estimating class that also utilized WinEst estimating software.

May 1988 to **Orange County Water District**, Fountain Valley, California
Oct 2002 *Construction Manager*

Responsible for the management and implementation of the District's \$150 million capital improvement program, which included over 40 projects. Projects consisted mainly of water infrastructure projects but also included building work as well. This position required staff development, specification review, value engineering, change order negotiation and community outreach. Additional accomplishments included the development of a construction manual and information management system, which was utilized on all projects.

Nov 1986 to **John Carollo Engineers**, Santa Ana, California
Apr 1988 *Resident Engineer*

Resident Engineer on an \$8 million wastewater treatment plant expansion in Riverside, California. Responsibilities included coordination with the client, managing an inspection staff, monitoring contractor activities, negotiating change orders and assisting in plant start-up.

Jun 1978 to **Peter Kiewit Sons' Company**, Santa Fe Springs, California
Oct 1986 *Superintendent, Estimator*

Superintendent involved in the construction of water and wastewater treatment facilities totaling more than \$150 million. Responsibilities included planning, scheduling, cost control, negotiating contracts and change orders and installation of process equipment, piping and concrete. Other duties included preparation of cost estimates for water and wastewater treatment facilities, concrete reservoirs and pump stations.

Education

Dec 1993 **University of Southern California**, Los Angeles, California
Master of Science, Civil Engineering

Jun 1978 **California State Polytechnic University at Pomona**, Pomona, California
Bachelor of Science, Civil Engineering

Licenses

Registered Civil Engineer in the State of California, No. CE35071

Affiliations

American Academy of Water Resources Engineers, D.WRE
American Academy of Environmental Engineers, BCEE
American Membrane Technology Association
American Society of Civil Engineers, F.ASCE
American Water Works Association
Association of California Water Agencies

Association of Metropolitan Water Agencies
Water Research Foundation
WateReuse Association

Awards

Engineering News Record (ENR) Top 25 Newsmaker of 2007
Orange County Engineering Society Outstanding Government Engineer of the Year 2007
International 2009 Said Khoury Award for Engineering Construction Excellence
Water & Wastewater International Top 25 Industry Leaders of 2014
Environmental & Water Resources Institute 2017 Pioneer in Groundwater

Boards

American Academy of Water Resource Engineers – (2011–2017); President – (2015-2016)
American Water Works Association – (2020-Present)
WateReuse Association – (2010-2018)
WateReuse Association California Section – (2010-Present); President – (2014-2016)
WateReuse Foundation – (2010-2016)
Water Environment & Reuse Foundation – (2016-2017)
Water Research Foundation – (2017-Present); Vice Chairman – (2017-2020), Chairman (2020-Present)

References

Furnished upon request