

# CASE STUDY: CUCAMONGA COUNTY WATER DISTRICT

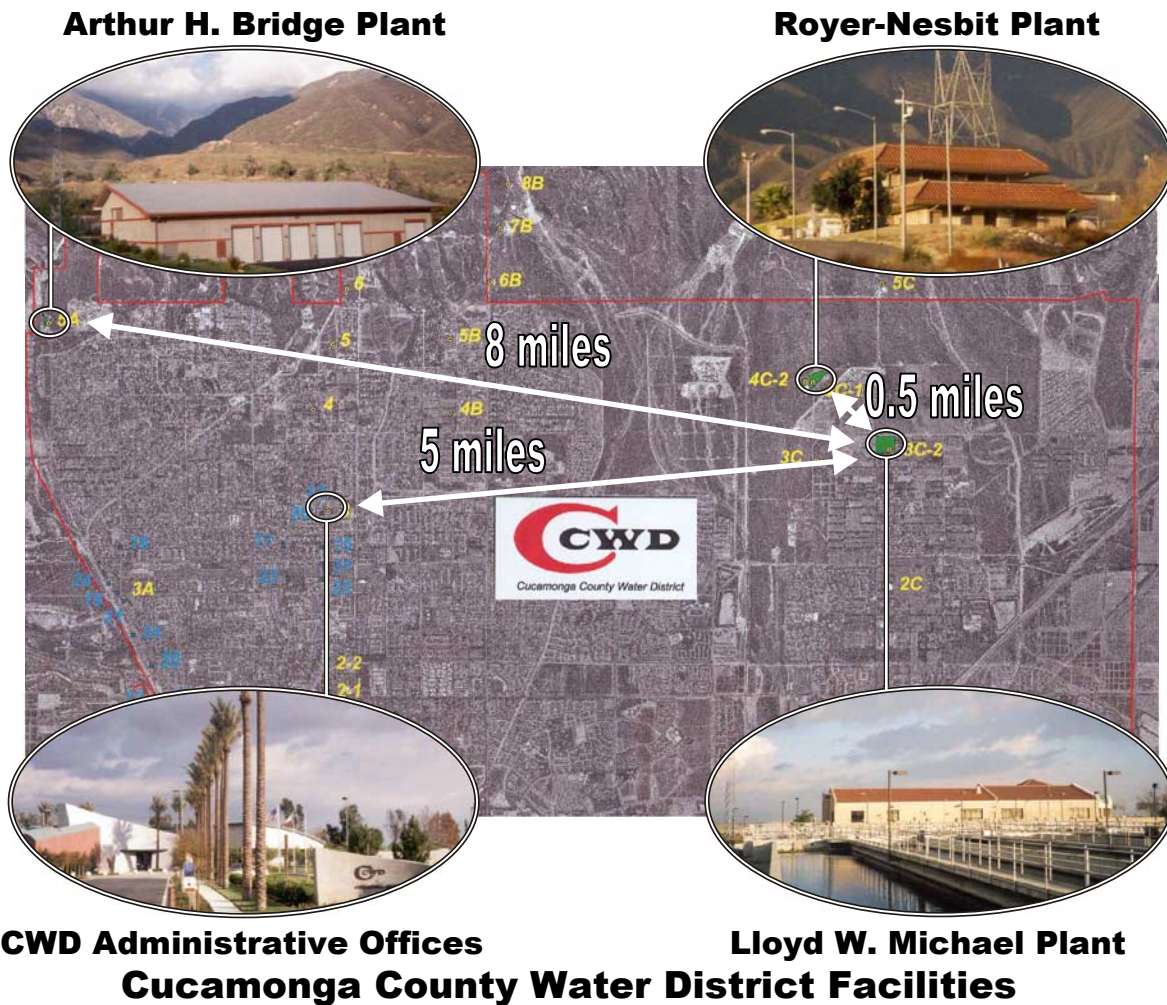
## RANCHO CUCAMONGA, CALIFORNIA

by John Shumate, Solectek Corporation and Ed Diggs, Cucamonga County Water District

Thousands of people pour into California on a daily basis, adding to the millions who already call it home. How to handle this explosive growth requires public utility companies to strategize years in advance to meet the demands of their ever-increasing customer base. No place is this more evident than at water treatment facilities. How to stay ahead of the population and build new facilities are constant factors of growth strategy high on the list of all water treatment facilities.

However, building new water treatment facilities take years to plan and construct and demand extensive research. Purchasing the latest technology is key to maintaining an edge on the demands of the population. Southern California's Cucamonga County Water District is no exception to these demands.

When the Cucamonga County Water District decided to expand their facilities in 1997 from two plants to three, not only was the latest technology key to the design of the new Arthur H. Bridge Plant, but key to operation of all three plants. The Cucamonga County Water District researched how to seamlessly connect all of the plants' control systems so anyone could perform plant operations from any of the three sites.



For the Royer-Nesbit and Lloyd W. Michael plants located only 0.5 mi. apart, it was an easy decision: fiber. However, the Arthur H. Bridge (remote) plant was located approximately 8 miles away and fiber was deemed prohibitively expensive. After exploring numerous options, they decided to connect the remote site using Solectek wireless bridge/routers.

