

### CUSTOMER PROFILE: EASTERN MUNICIPAL WATER DISTRICT

Located in southwest Riverside County, California, Eastern Municipal Water District (EMWD) is the fifth-largest water district in the Golden State. The utility agency provides freshwater, wastewater service, and recycled water to a 555-square-mile area with a population of 660,000 people. In addition to over 125,000 water customers, eight local water agencies and municipalities that have their own water departments rely on EMWD to supplement their resources.

#### THE CHALLENGE

As the only source of supplemental water in this arid region of California, EMWD needed to replace its obsolete U.S. Geological Survey data with more current and accurate information. The agency specifically wanted new data to improve its project planning and analytical processes to serve customers better. "As EMWD's lead tester, I knew we had to find the latest and most cost-effective datasets that were uniform across the large area we serve," said Ron Steeneken, geographic information systems (GIS) analyst. "We found that Intermap's data worked the best for us."

*"Now that we have Intermap's more cost-effective, uniform and accurate data in our systems, we can analyze our projects more efficiently. These improvements save thousands of dollars and many hours of work."*

Ron Steeneken, Eastern Municipal Water District Southern California

#### THE SOLUTION

Resource Strategies, an Authorized Intermap Technologies Reseller, presented the advantages of digital elevation model (DEM) data from Intermap. "After preliminary testing and comparisons, we knew Intermap's high-quality data was the right solution," Steeneken said. EMWD purchased DEMs created by Intermap's proprietary interferometric synthetic aperture radar (IFSAR) technology. The agency now uses NEXTMap® products, including digital terrain models (DTMs), for its water resources planning projects.



Quail Valley 3D model project image.

#### SUMMARY

##### CHALLENGE

Eastern Municipal Water District (EMWD), California's fifth-largest water agency, required "more cost-effective, uniform, and accurate data" to analyze its water resources planning projects more effectively.

##### SOLUTION

EMWD uses Intermap's NEXTMap products, including digital terrain models (DTMs), for its planning projects.

##### RESULTS

Intermap's datasets have saved EMWD "thousands of dollars and many hours of work."

## IMPLEMENTING THE SOLUTION

Steeneken, the GIS team, and members of EMWD's engineering group use Intermap's data for many high-stakes projects, such as alternative studies for major sewer improvements, recycled water system planning, manhole elevation calculations, and reclaimed water initiatives. "Intermap's data is compatible with the current software and applications we operate," Steeneken said. "Our team has been impressed with how flexible and easy it is to use."

The EMWD team also uses Intermap's Global Mapper® software to generate data for other in-house, topography-focused applications.



Display map for recycled water system.

## THE RESULTS

According to Steeneken, "EMWD has seen many benefits from Intermap's data. We've experienced significant improvements in the way we work every day. Now that we have Intermap's cost-effective, uniform and accurate data in our systems, we can analyze our projects more efficiently. These improvements save thousands of dollars and many hours of work."

## THE INTERMAP ADVANTAGE

### ACCURACY

EMWD required accurate topographical information for the 555-square-mile area it serves and found a solution with Intermap's datasets.

### AFFORDABILITY

In addition to its cost-effectiveness, Intermap's data has also saved the water utility money and time.

### AVAILABILITY

Ron Steeneken, EMWD's lead tester, knew he had found "the right solution" when an Authorized Intermap Technologies® Reseller presented the high-quality data to him and the GIS team.

### USABILITY

The EMWD team "has been impressed with how flexible and easy it is to use."



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