



Western Municipal Water District, Southern California

Western Municipal Water District Increases Irrigation Efficiency with Rain Bird® Products

The Western Municipal Water District (Western) has launched a water savings program in Riverside County, California. For the test, 20 homes will have all the spray heads in their current irrigation system converted to dripline. This project is meant to identify solutions that help area homeowners increase their water-use efficiency.

THE CHALLENGE

The future of California's landscape depends on intelligent irrigation and responsible landscape practices. Growing water demand and persistent drought conditions make it imperative that property owners find new ways to conserve resources. Western's management and board recognize that solutions must be convenient for contractors and cost-effective for property owners.

THE SOLUTION:

Western has chosen drip irrigation for this project because of its proven ability to water effectively while reducing runoff, overspray, and water waste. Western has specifically selected Rain Bird products for the job, as the brand's cost-effective retrofit kit makes it uniquely easy to swap out sprays for dripline.



XFD Series Dripline

Core Products Used:

- [XFD Series Dripline](#)
- [1800-RETRO Spray-to-Drip Retrofit Kit](#)

KEY OBJECTIVES

- ✓ **Achieve Greater Water Efficiency**
- ✓ **Prioritize Ease of Use**
- ✓ **Identify an Affordable Solution**
- ✓ **Ensure Scalability**



Site Report: **Western Municipal Water District, Southern California**

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APPROACH:

Simplify System Conversion

Rain Bird's **1800-RETRO Spray-to-Drip Retrofit Kit** will convert homeowners' spray zones to low-volume drip irrigation. With low profile fittings and a three-year trade warranty, this retrofit kit is the easiest, fastest way to convert spray heads into connection points for a low-volume, on-surface dripline system.

Optimize Watering Efficiency

XFD On-Surface Dripline efficiently irrigates ground cover, dense plantings, and more. Delivering water directly to the plants' root zones substantially decreases the risk of water waste due to overspray and runoff while the dual-layered, flexible tubing provides fast, easy installation.



“ Drip irrigation is probably as important to the future of California's landscape as the aqueducts were to the early Roman Empire. It's about efficient delivery of water. Drip has the greatest potential to increase water efficiency in the landscape—while allowing shrubs and trees to thrive—with lower potential for irrigation run-off, overspray, and waste.

TIM BARR
DEPUTY DIRECTOR OF WATER RESOURCES,
WESTERN MUNICIPAL WATER DISTRICT

RESULTS:

More Than Just Water Savings

Across the 20 participating homes, **water savings averaged 81.5 percent**. Participants saw an average savings of **238 gallons of water per week**—almost 12,500 gallons per year! But the benefits don't stop there...greater than half of the participants observed improved plant health, fewer weeds, and less water runoff. Another 31 percent noticed a lack of overspray on sidewalks and walls—incredible results, considering that the overall cost per square foot was just \$1, including labor and materials!

A Bright Future

According to a survey taken at the start of the retrofit project, 67 percent of participants joined to save money on their water bills and 20 percent joined to reduce their water use. After the program's completion, 80 percent of participants said the primary benefit is saving water, and **80 percent would consider converting more sprays to drip irrigation in the future**. This project has proven to be a beautiful success for Riverside's immediate community and the planet as a whole.