



WATER RELIABILITY INVESTMENTS



2019 Water Issues Briefing Book

Inland Empire Utilities Agency Overview



Agency Profile

6075 Kimball Avenue, Chino, California 91708

The Inland Empire Utilities Agency (IEUA/Agency) is a regional wastewater treatment agency and wholesale distributor of imported water. Today, the Agency is responsible for serving approximately 875,000 people over 242 square miles in western San Bernardino County. The Agency is focused on providing three key services: (1) treating wastewater, developing recycled water, local water resources, and conservation programs to reduce the region's dependence on imported water supplies, enabling the service area to become drought-resilient; (2) converting biosolids and waste products into a high-quality compost made from recycled materials; and (3) generating electrical energy from renewable sources.

The Agency is committed to meeting the needs of the region by providing essential services in a regionally planned and cost-effective manner while safeguarding public health, promoting economic development, and protecting the environment.

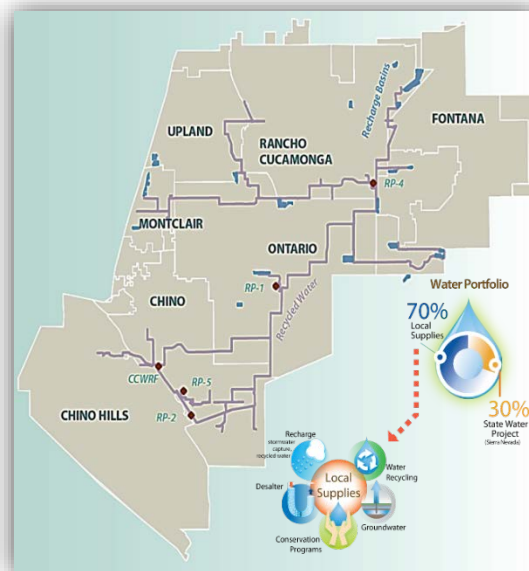
Serving the Public

A five-member Board of Directors is elected by division to represent IEUA's 875,000 residents for a four-year term.

- Division 1 - Kati Parker (Upland/Montclair/Portions of Ontario, Rancho Cucamonga)
- Division 2 - Paul Hofer (Ontario/Unincorporated Agricultural Preserve)
- Division 3 - Steven J. Elie (Chino/Chino Hills)
- Division 4 - Jasmin A. Hall (Fontana/Portions of Rialto, Bloomington)
- Division 5 - Michael Camacho (Rancho Cucamonga/Portion of Fontana)

IEUA has one representative on the Metropolitan Water District of Southern California's Board of Directors and the Santa Ana Watershed Project Authority Commission.

Service Area & Water Portfolio



Key Areas of Service

- Securing and supplying imported water.
- Collecting and treating wastewater.
- Producing high-quality, renewable resources such as recycled water, compost and energy.
- Promoting sustainable use of groundwater and development of local water supplies.

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Facilities

Located in the city of Chino, IEUA is the first public agency in the nation to receive the Platinum rating from the U.S. Green Building Council's Leadership in Environmental and Energy Design (LEED™). IEUA's administrative headquarters takes water and energy conservation to new levels. The extensive use of recycled materials is seen throughout the interior and exterior of the headquarters complex.



Administrative Headquarters



RP-1

Located in the city of Ontario, Regional Water Recycling Plant (RP) 1 began operation in 1948. RP-1 has undergone several expansions to increase the wastewater treatment capacity to the current 44 million gallons per day (mgd) of wastewater and a biosolids treatment capacity equivalent to a wastewater flow rate of 60 mgd. The facility serves the cities of Ontario, Rancho Cucamonga, Upland, Montclair, Fontana, and an unincorporated area of San Bernardino County.

RP-2 Located in the city of Chino, RP-2 began operation in 1960 and currently treats the biosolids flow streams from the Carbon Canyon Water Recycling and the RP-5 facilities. As a result of treating these biosolids, methane gas (or bio-gas) is produced and utilized as a fuel source to operate engine generators that produce electricity. This electricity is used to operate equipment at RP-5 and at the Chino Basin 1 Desalter; thereby, reducing the Agency's need to purchase power.

Carbon Canyon Water Recycling Facility (CCWRF)

Located in the city of Chino, CCWRF began operation in 1992. The facility works in tandem with RP-2 and serves the cities of Chino, Chino Hills, Montclair, and Upland. The liquids are treated at CCWRF, while the solids removed from the waste flow are treated at RP-2. CCWRF treats an annual average flow of 7.1 mgd.



RP-4 Located in the city of Rancho Cucamonga, RP-4 began operation in 1997. RP-4 currently treats an annual flow of 9.8 mgd, but has an ultimate build-out of 28 mgd. RP-4 works in conjunction with RP-1 to provide recycled water to users within the cities of Ontario, Rancho Cucamonga, Upland, Montclair, Fontana, and an unincorporated area of San Bernardino County.

RP-5 Located in the city of Chino adjacent to IEUA's headquarters complex, RP-5 began operation in 2004. The first phase of RP-5 was designed to treat 15 mgd. With expansion plans currently underway, RP-5 ultimately will treat 60 mgd. RP-5 serves the cities of Chino and Chino Hills.

Many of IEUA's projects have received grant funding from state and federal agencies, including: California Integrated Waste Management Board, U.S. Department of Energy, California Department of Forestry and Fire Protection, California Energy Commission, U.S. Department of Agriculture, Western United Resource Development, Inc., California Public Utilities Commission through Southern California Gas Company Self Generation Incentive Program, California Solar Initiative through Southern California Edison, United States Bureau of Reclamation, State Water Resources Control Board.



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Chino Basin 1 Desalter Located in the city of Chino, the Chino Basin 1 Desalter produces 10.9 million gallons per day (mgd) of high-quality drinking water, serving the water needs of approximately 35,000 people. Groundwater pumped from 14 wells throughout the Chino Basin is pumped to the Chino Basin 1 Desalter. Once there, a desalination process uses reverse osmosis technology to remove salt and nitrates from the water, bringing it to drinking water standards.



Inland Empire Regional Composting Facility (IERCF) Located in the city of Rancho Cucamonga, IERCF began operation in 2002. IERCF, the largest enclosed composting facility in the nation, is a partnership with the Sanitation Districts of Los Angeles County. It produces over 230,000 cubic yards of high quality compost each year for local landscaping and horticultural use. The compost contains a variety of organic residuals, which have a high level of nutrient value.

Chino Creek Wetlands and Educational Park (CCP) Located in the city of Chino, CCP provides a hands-on opportunity for the community to experience the importance of constructed wetlands in the protection of our watershed. CCP helps improve water quality, flood control, habitat restoration, recreation, water conservation, and public education. CCP highlights the history of the Chino Valley and the importance of water in our region's economic development with stylized graphs of the hydrologic water cycle, the importance of water conservation and wise water use.

Renewable Energy IEUA's Board of Directors made the decision to invest in renewable generation to reduce greenhouse gas emissions and ensure energy cost savings. Most recently, IEUA added 4 MW of advanced energy storage at six facilities throughout our service area. The storage system will help integrate IEUA's renewable resources, which include 3.5 MW of solar and 1 MW of wind generation. Currently, IEUA's renewable resources are producing more than half of the peak power demand for our wastewater treatment plants, saving the agency five to 10 percent of its energy costs each year.

