

Striving for Achievement

Serving the Cities of Chino, Chino Hills, Fontana, Montclair, Ontario and Upland, as well as Monte Vista and Cucamonga Valley Water Districts.

July 2009

IEUA Receives Achievement in Excellence in Procurement Award

The Inland Empire Utilities Agency is proud to announce that its Contracts and Procurement (CAP) Department is the recipient of its 8th Achievement of Excellence in Procurement Award. The Achievement of Excellence in Procurement Award is designed to recognize organizational excellence in procurement. The award is achieved by those organizations that demonstrate excellence in procurement by obtaining a high score on a rating of standardized criteria. The program is designed to measure innovation, professionalism, e-procurement, productivity, and leadership attributes of the procurement function.

"This is a real testament to the professionalism of our staff," commented IEUA Board President Terry Catlin. "I am particularly impressed with the fact that IEUA is one of only a handful of entities to have received this prestigious award at least eight times. To have achieved this with growing demands and without any additional increase in staff is an outstanding accomplishment," continued Catlin. "IEUA's contracting and purchasing policies represent the best practices in governmental standards."

The Achievement of Excellence in Procurement Award is sponsored by the National Purchasing Institute, the California Association of Public Purchasing Officers, Florida Association of Public Purchasing Officers, the Institute of Supply Management, the National Institute of Governmental Purchasing, the National Association of State Procurement Officials, and the National Association of Educational Procurement.

Water Conservation Tip:
Check your sprinkler system frequently and adjust sprinklers so only your lawn is watered and not the house, sidewalk or street.
Save 15 gallons of water each time you water.

Upcoming Events

August 1: Volunteer Work Party
Chino Creek Wetlands and Educational Park
8:30 am - 11:30 am

August 5: Chino Groundwater Recharge Basin Tour
IEUA
1:00 p.m.

August 20: BIA/San Bernardino County Water Conference
Ontario Convention Center
Time TBD

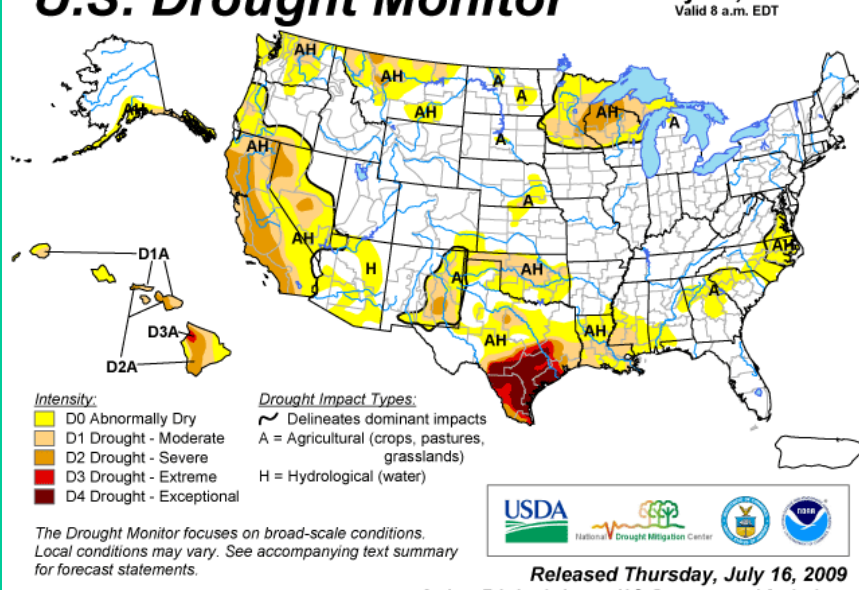
September 26: SAWA Bird Festival
Chino Creek Wetlands and Educational Park
9:00 a.m. to 12:00 noon

IEUA Receives Outstanding Civil Engineering Project of the Year Award

The Inland Empire Utilities Agency and the City of Fontana received an Outstanding Civil Engineering Project of the Year Award from the American Society of Civil Engineers for the San Bernardino Avenue Lift Station Force Main and Sewer, which was built in cooperation with the City of Fontana. Congratulations to the City of Fontana, IEUA Engineering construction management staff, Camp Dresser McKee, and TKE for the cooperative efforts!

U.S. Drought Monitor

July 14, 2009
Valid 8 a.m. EDT



Drought Summary
The main region of California still lies with a D2. Farther East, D0 is manifesting from Southern up to Central California. D1 shows up gradually throughout mid to the northern region.

Landscape Alliance

<http://www.ieua.org/conservation/landscape/landscape.html>

On the Waterfront

Total Landscape Care
By Glenn R. DiNella
July 2009

As the country looks to alleviate its dwindling fresh water supply, no one is better poised to tackle the issue than irrigation experts armed with the latest knowledge.

Drought is a complex natural hazard. Brought on by a deficiency of precipitation over an extended period, usually a season or more, it is typically aggravated by summertime climatic factors such as high temperature, high winds and low relative humidity. The Federal Emergency Management Agency conservatively estimates drought costs the United States \$6 billion to \$8 billion annually. According to the EPA, 30 percent of the water used by the average American household is devoted to outdoor water use. It estimates more than 50 percent of landscape water goes to waste through evaporation or runoff caused by over-watering— up to 1.5 billion gallons every day across the country.

Turning the Tide While Turning a Profit

Timothy Malooly has worked in the irrigation industry for 26 years and is President of two Minnesota-based irrigation firms: Water in Motion, an irrigation design, consulting and technology company, and Irrigation by Design, an irrigation installation and service company. In 2008, Malooly was the first irrigation professional to receive the EPA's WaterSense Partner of the Year Award. WaterSense is a public-private partnership program which recognizes professional certification programs aimed at verifying professional proficiency in water-efficient irrigation de-

sign, performance audits, installation and maintenance.

Malooly says though sales of conventional irrigation services are sluggish in the current economy, his green irrigation designs and installations are performing well. He is finding even thrifty clients can be sold on the cost-saving measures of smart irrigation. Malooly goes beyond simply installing weather-based irrigation controllers. His businesses cover design and installation of low-volume/micro-drip irrigation systems, green roofs, cistern- and lake-based rainwater harvesting, large-scale irrigation systems for master-planned communities and stormwater management systems.

One of Malooly's residential projects involved designing and installing a cistern-based irrigation system for a model sustainable home in Minnetonka, Minnesota, which was sponsored by the Live Green, Live Smart Institute. The remodeled 1948 home received the first platinum certification from the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) program. Malooly designed the 28,000 square feet of irrigated area by first computing the project's rainwater collection capabilities in contrast capabilities in contrast with the anticipated water requirements of new and existing plants. Two 2,500-gallon tanks were placed in a 15-foot trench and connected for an overall capacity of 5,000 gallons of stored rainwater. Most of the project's irrigation stations were installed using landscape drip line under mulch. Trees are irrigated with deep roof watering products that eliminate surface runoff. Two small turf areas called for highly efficient rotary pop-up nozzles. Soil moisture sensors suspend watering

when optimum soil moisture levels are achieved, and a weather-based controller manages this waterwise system, which Malooly estimates to be 70-percent more efficient than a conventional irrigation system. Higher installation costs will be offset by savings on the client's water bill.

The Big Picture

In addition to strict irrigation schedules, utilities in many U.S. cities are slapping water glutons with "drought surcharges" or "emergency rates." The Southwest Florida Water Management District is targeting single-family households using more than 15,000 gallons a month, because they assume high meter readings indicate a household is overwatering a lawn. [...]

Getting Educated

The Irrigation Association (IA), a backer of the EPA WaterSense Program, is an international, nonprofit organization representing professionals who channel their expertise toward a common goal—efficient irrigation.

For full story visit:
<http://www.asiaing.com/total-landscape-care-july-2009.html>

Upcoming Events

Friday, September 11, 1:00 p.m. to 3:00 p.m.	Landscape Workshop for Professionals: Saving Water and Money in the Landscape	Inland Empire Utilities Agency Event Room
Saturday, September 12 10:00 a.m. to 12:00 noon	Landscape Workshop for Homeowners: Saving Water and Money in the Landscape	Inland Empire Utilities Agency Event Room
Wed, November 18 3:00 p.m. to 4:00 p.m.	Landscape Alliance Board Meeting	Inland Empire Utilities Agency Board Room

California's Drought

An Update

Provided by the Department of Water Resources
June 2009

Introduction

The purpose of this report is to assess 2009 mid-year drought conditions and status, in response to a commitment made to the Governor's Office as part of implementation of the February 27, 2009, proclamation of a state of emergency for statewide water shortage. The focus of this report is on water supply conditions and related information for the year to date, together with initial review of drought impacts where that information is available. A subsequent report will cover impacts through the end of the year and provide further detail for the entire year. Certain impacts of a third consecutive dry year will not be apparent until a late fall timeframe; year-end 2009 statistics for many sectoral impacts will not be available until 2010.

Water year 2007 was dry statewide, following a wet 2006. Water years 2008 and 2009 have continued the dry trend. Water years 2007-09 represent the 12th driest three-year period in the state's measured hydrologic record, based on the 8-station precipitation index. Water years 2007-09 also mark a period of unprecedented restrictions in State Water Project (SWP) and federal Central Valley Project (CVP) diversions from the Sacramento-San Joaquin River Delta (Delta) to protect listed fish species, a regulatory circumstance that significantly exacerbates the impacts of hydrologic drought for customers of those water projects.

The impacts of a single dry year such as 2007 on water supplies are normally minimal from a statewide perspective. However, the devastating wildfires that laid siege to Southern California that year—characterized as some of the costliest and most damaging in U.S. history—were a reminder that vulnerability to drought extends beyond impacts to developed water supplies. Subsequently, a dry 2008 combined with restrictions in SWP and CVP diversions from the Delta in response to court-mandated implementation of an interim rem-

Water Supply Alert



edy to protect Delta smelt, led to the issuance of Executive Order S-06-08 and a Governor's emergency proclamation for selected Central Valley counties in June 2008.

In addition, a new U.S. Fish and Wildlife Service (USFWS) biological opinion for Delta smelt released in December 2008 called for measures that would result in an estimated 20 to 30 percent reduction in SWP and CVP Delta diversions on average. Observed precipitation in January 2009 was only about one-third of average, indicating that the threat of a third dry year was already a possibility. These conditions, coupled with statewide reservoir storage approximately 65 percent of average, led to the Governor's proclamation of a statewide water shortage state of emergency in February 2009. Among other things, the proclamation directed the Department of Water Resources (the Department) to provide the Governor with an updated report on the state's drought conditions and water availability by March 30, 2009, to allow the Governor to determine if additional orders should be issued to mitigate emergency conditions. In its March report to the Governor, the Department found that improved hydrologic conditions obviated the need for additional orders at that time, but the department continued to prepare additional evaluations—such as this 2009 mid-year status report—to monitor the need for further mitigation to emergency conditions.

Chapter 2. Hydrologic Conditions and Water Supplies

Climate Background
Calendar years 2007, 2008, and 2009 to date have been characterized by relatively warm and dry conditions. During this time period, El Niño-Southern Oscillation (ENSO) conditions in the equatorial Pacific Ocean have been alternating between La Niña and neutral status. ENSO is the only climate phe-

nomenon identified to date that offers predictive capabilities (although limited) for precipitation in California, with strongest events yielding the best signal. La Niña conditions tend to favor a drier outlook for Southern California, but do not typically show significant correlation with water year type for Northern and Central California. The most recent La Niña event, which ended in spring 2009, was not a strong event.

At the global level, the past decade has been characterized by above-average warmth. California maximum temperatures, averaged over the three-year period, ranked 13th out of 112 years of data; mean temperatures ranked 12th; and minimum temperatures ranked 11th. Five of California's top dozen three-year temperature averages have occurred since the 2000-02 period. These warmer conditions have significant hydrologic, water use, and ecological implications, affecting factors such as timing of spring snowmelt runoff, crop water use, and water temperature suitability for fish spawning.

Weather

Most of California's moisture originates in the Pacific Ocean. During the wet season, the atmospheric high pressure belt that sits off western North America shifts southward, allowing Pacific storms to bring moisture to the state. On average, 75 percent of the state's average annual precipitation occurs between November and March, with half of it occurring between December and February. A few major storms more or less shift the balance between a wet year and a dry one. A persistent high pressure zone over California during the peak winter water production months—as occurred in January 2009—predisposes the water year to be dry.

For complete Update, visit
<http://www.water.ca.gov/drought/>

South Coast Air Quality Management District Tours

Inland Empire Regional Composting Facility



From L to R: Earl Elrod - AQMD Board Consultant; Richard W. Atwater - CEO/GO IEUA; Michael Camacho - Secretary/Treasurer IEUA; Dr. William A. Burke - Chairman AQMD; John Anderson - Director IEUA; Josie Gonzales - San Bernardino County Supervisor 5th District AQMD Board Member; Randy Lee - Manager of Technical Services and Environmental Compliance IEUA; Bill Campbell - Orange County Supervisor 3rd District AQMD Board Member; Chris Berch - Manager of Operations IEUA; Sarah Ewell - AQMD Board Consultant; Jeff Ziegenbein - Deputy Manager of Operations and Organics Management IEUA; Louis Bronstein - AQMD Board Consultant; Lisha Smith - AQMD Board Consultant

IEUA Board of Directors

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General Manager

Utility Reverts to the Long Ago and Not-So-Far-Away

From the Los Angeles Times
By Bettina Boxall
July 20, 2009

For full article visit:
http://www.latimes.com/news/local/la-me-water-local20-2009jul20_0_1032528_story

Inland Empire Agency bucks a century-old Southern California tradition by using local water sources to meet 70% of the local demand. Its innovative programs could be replicated elsewhere, officials say.

Thick clouds veiled the peaks of the San Gabriel Mountains. Not far away, just south of East Riverside Drive in Ontario, water gushed into an earthen basin the size of 10 football fields.

It had washed up there on the rain-filled gutters of East Merion Drive, Doral Court and South Grove Avenue. Most parts of Southern California would be shunted the storm runoff to the seas as fast as they could.

Innovation is Key