



Chino Basin Water Conservation District

Protecting the Chino Groundwater Basin since 1949



Demonstrate

...

Educate

...

Percolate



Local Agency Formation Commission
for San Bernardino County

CBWCD Facilities Tour
March 2, 2015

Introduction

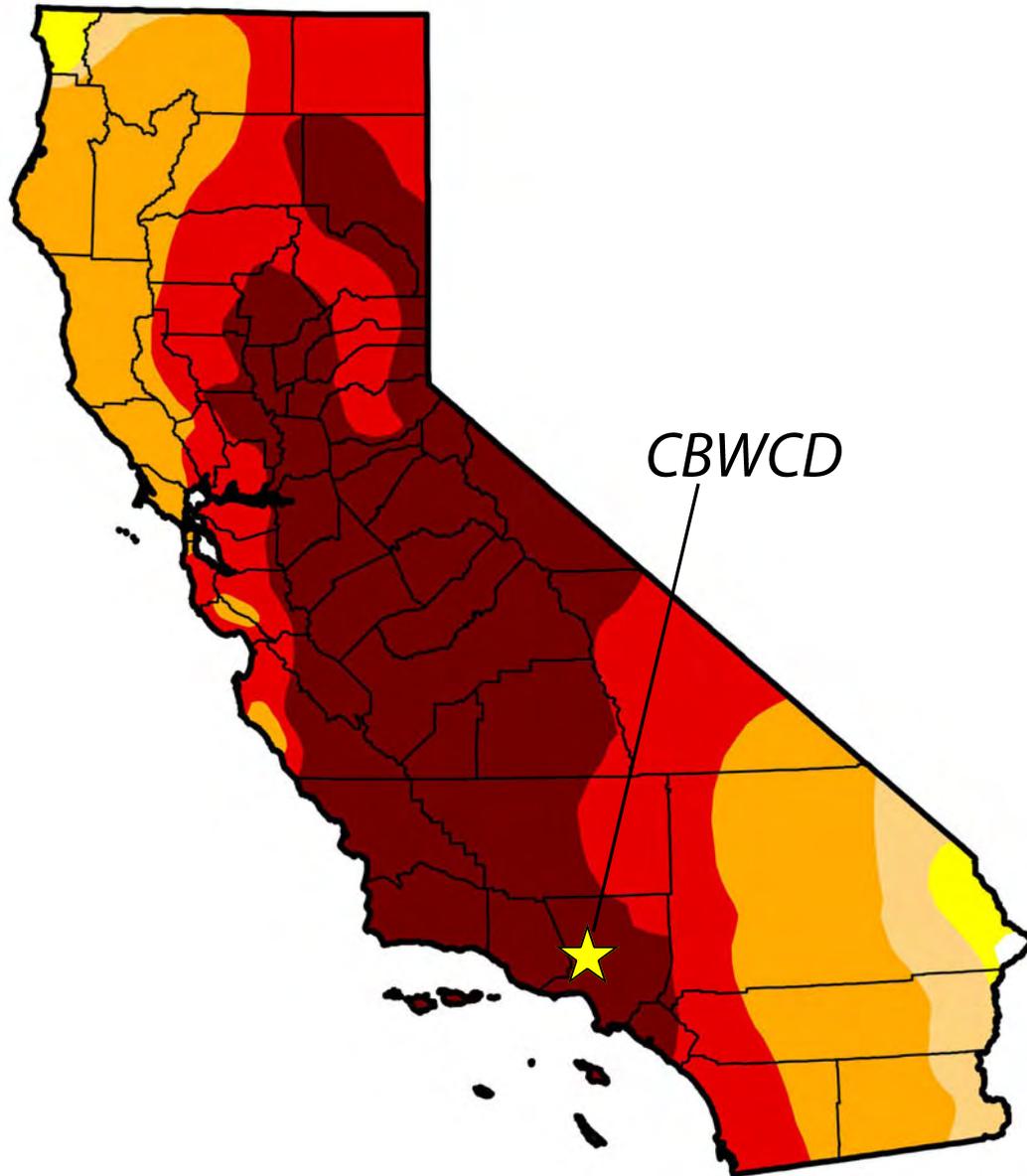
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Drought Status

*The Relevance and Urgency of
Water Conservation*

U.S. Drought Monitor California

February 24, 2015
(Released Thursday, Feb. 26, 2015)
Valid 7 a.m. EST



Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.16	99.84	98.10	93.44	67.46	39.92
Last Week <i>2/17/2015</i>	0.16	99.84	98.10	93.44	67.46	41.20
3 Months Ago <i>11/25/2014</i>	0.00	100.00	99.72	94.42	79.69	55.08
Start of Calendar Year <i>12/30/2014</i>	0.00	100.00	98.12	94.34	77.94	32.21
Start of Water Year <i>9/30/2014</i>	0.00	100.00	100.00	95.04	81.92	58.41
One Year Ago <i>2/25/2014</i>	0.00	100.00	94.56	90.82	73.83	26.21

Intensity:

- D0 Abnormally Dry
- D1 Moderate Drought
- D2 Severe Drought
- D3 Extreme Drought
- D4 Exceptional Drought

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.

Author:
Richard Heim
NCDC/NOAA



California has entered fourth year of drought, water experts say

By Steve Scauzillo , San Gabriel Valley Tribune

DailyNews.com



Low water levels at the Stevens Creek Reservoir in San Jose, Calif., on Jan. 22, 2014. Water experts say California has entered its fourth year of drought. (Photo by Nhat V. Meyer/Bay Area News Group/File)

IRVINE >> State water officials are preparing for the fourth straight year of drought and are readying more restrictive water conservation measures under an extension of the governor's water emergency plan.

Rainfall, snowpack and runoff estimates are way below average, indicating the state will continue in drought-emergency mode throughout the year, state and regional water experts told a gathering of 120 water managers Wednesday at a forum sponsored by the Southern California Water Committee and the National Water Research Institute.

While water agencies and cities have pushed conservation in 2013 and 2014, including more uses for recycled water for irrigating ball fields and golf courses, the missing ingredient is rain water, said Grace Chen, manager of resource planning and development for Metropolitan Water District of Southern California.

As a result, MWD drew down reservoirs from a record high of 2.7 million acre-feet in 2012 to only 1.2 million acre-feet of storage remaining today, Chen said. The agency, which provides water to 19 million Southern Californians, meets an annual demand of 4 million acre feet. (An acre-foot equals 326,000 gallons, enough to supply a family of four for a year).

About 1 million acre-feet of ground water — essentially natural reservoirs underground — was pumped last year, Chen said.

"We are hoping for a March miracle but I'm not sure how to make that happen," Chen said, only half-joking. Depending on rainfall amounts in the next 45 days, the MWD's board will consider setting a limited allocation for each of its 26 member agencies in April, she said. Likewise, the State Water Resources Control Board will most likely vote to extend the governor's emergency declaration at its March 17 meeting, said Eric Oppenheimer, SWRCB's director of Office of Research Planning.

Advertisement

The state board's July emergency plan mandates outdoor watering restrictions and prohibits washing your car without a hose with a nozzle. New restrictions being mulled include: an across-the-state limit on outdoor watering to one day a week; requiring recycled water for commercial outdoor watering; leak detection teams and requiring water bills be written in easy-to-understand language.

Oppenheimer, who helps manage the reporting of water use and conservation from 411 urban water agencies, said the staff is recommending changes to the emergency water ordinance but said the specific measures have not yet been listed.

Peter Brostrom, with the state Department of Water Resources, told water managers from cities and retail

water districts to dust off conservation plans. “We fully expect to see a lot of changes with these contingency plans,” he said.

The most alarming index in the state’s water supply picture is snowpack, or lack thereof. Snowpack in the Sierra is at 20 percent of normal for February, said Jeanine Jones, interstate water manager for the Department of Water Resources, which oversees water resources for the Colorado River and California.

“The words that come to mind are dismal, poor, horrible, abysmal,” she said. “It has been so warm, the snowpack has been melting. This is not supposed to happen in February.”

Melting snowpack supplies California with about two-thirds of its water supply. The runoff forecast from April through July ranges from 27 percent for the Kern River inflow to 46 percent at Oroville, one of the largest reservoirs in the state, according to the DWR. Lake McClure in the San Joaquin Valley remains at 8 percent capacity.

Lack of runoff has kept the allocation from the State Water Project to Southern California at 15 percent, slightly higher than 5 percent allowed last year, a record low.

While December and February rains have helped some, in particular the Folsom Reservoir which is at 100 percent of average for February, storms were too warm, too isolated and too short to break the drought, Jones explained.

California needs much more rain and snow to counter 2014, the fourth driest water year in 114 years of record keeping, or the years 2012-2014, the three driest in state history, worse than the Dust Bowl years of 1922-24.

Right now, time is running out on the winter rainy season.

“This is not looking good for our water supplies for this summer,” Jones said.



Steve Scauzillo

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Introduction

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Executive Summary

Chino Basin Water Conservation District

*“Creating a New Normal for
Water Conservation Sustainability
through Demonstration and Education”*



Chino Basin Water Conservation District

*Creating a New Normal for Water Conservation Sustainability
through Demonstration and Education*

January 2015



Chino Basin Water Conservation District

*Creating a New Normal for Water Conservation Sustainability
through Demonstration and Education*

Introduction

The **Chino Basin Water Conservation District** (District) is dedicated to the protection of the Chino Groundwater Basin to ensure that current and future water needs will be met.

The District manages its network of channels, basins and spreading grounds for the capture and percolation of waters through a Four Party Agreement with the Chino Basin Watermaster, the Inland Empire Utilities Agency, and the San Bernardino County Flood Control District. This agreement recognizes the regional nature of water supplies, use and issues, and leverages the strengths available through cooperative management of resources and infrastructure.

Above and beyond its role in the stewardship and improvement of groundwater supplies, the District is a leader in designing and delivering large-scale water conservation education for schools, landscape professionals and property owners.

In its 2008 strategic planning process, the Chino Basin Water Conservation District Board identified the increased role that effective and sustained water conservation education would need to play in ensuring its ability to meet the region's future water needs.

The California **Governor's Water Action Plan** lists "*Make conservation a California way of life*" as the first of its Ten Essential Actions.

Water conservation and the role of effective public education are universally recognized as key components in comprehensive strategies for addressing water issues in the Region, throughout California, and around the world.

Water Conservation and Public Education

The Board recognized that a long-term and sustained public education effort was the most effective means to change behaviors related to water use and conservation. Understanding the important role that shorter-term water utility-administered programs such as incentives and mandates can play in addressing emergency conditions, the Board concluded that a comprehensive public education strategy - implemented for achieving long term and lasting water conservation results – was required. As an ***independent water conservation district***, the Board felt that the District was uniquely qualified to take on the important role of delivering professionally structured and sustainable water conservation education.

The District’s education strategy was informed in part by reviewing historically successful public education efforts that created real and lasting change in the United States, these included efforts to:

- Increase the use of seatbelts in automobiles
- Reduce smoking rates
- Promote youth bicycle helmet use
- Reduce littering on streets and highways
- Prevent forest fires



Each of these efforts created a “*new normal*” by reaching young people and forming good habits before their default life-long habits had a chance to solidify. And as a surprising benefit, these children then had a strong influence in creating positive change in the behavior of the adults around them.

In addition to a focus on reaching elementary school children, the Board recognized that this long-term view required upgraded technical capacity in professions that would be designing, installing and maintaining new water wise landscapes and hardscapes. We needed to equip the next generation of water professionals and trade practitioners to make the new normal sustainable.

At the Board's direction, the District developed an educational strategy focused on elementary school and technical education to create sustainable and long-term improvements in outdoor water efficiency and conservation.

With that strategic foundation and focus, the District now has the professional staff, facilities, curricula, certifications and relationships in place -- and has built a distinctive, regionally-specific Water Conservation Center teaching and demonstration campus along with an award winning series of educational and outreach programs.

Educational Strategy

The Chino Basin Water Conservation District has identified two key components in its water conservation educational strategy:

1. Engage the elementary school community to help create an awareness of water issues in young children and help them establish good water conservation habits early in life, and
2. Train designers, architects, landscapers, contractors and property owners in water wise landscape design, installation and maintenance.

This **two-part strategy** addresses current needs for better, more efficient outdoor water practices and helps to ensure that water wise practices become the new normal for the next generation of residents, property owners and practitioners.



Elementary School Programs



The campus's elementary school education programs currently serve eight school districts and eighty-seven individual schools within the District's service area. Over 5,300 school children and their teachers will visit the campus during the 2014-2015 school year. During their visit, the students engage in a fun, structured series of hands-on experiences and experiments to create awareness and the desire to improve their own participation in water conservation.

Children's education programs have been shown to be powerful contributors to the establishment of long-term water conservation attitudes and behaviors. An additional important benefit of early education programs is the extent to which children influence the adults around them.

In a study of the ROUS Water Early Childhood Water Aware Centre Program (Australia, October 2008) study authors

“Both teachers and parents were compelled to make changes to their own water use habits because of the children's advocacy for water-conserving alternatives...”

wrote, “Both teachers and parents were compelled to make changes to their own water use habits because of the children’s advocacy for water-conserving alternatives, a direct consequence of what they had learned in the *Water Aware Centre Program*.”

“I learned so much that now me and my family are starting to make a change and stop wasting water...”
Leramy – 5th Grade Student

In this way, the District’s early water conservation education investments are leveraged across a much broader audience in both homes and schools.

School children attend programs at the campus free of charge, and for schools within the District’s service area, the District provides priority booking and pays the field trip’s transportation/bus costs.

By offsetting these transportation fees, the District has eliminated a powerful barrier to participation for cash-strapped schools and significantly increased the reach of the water conservation education programs to this important audience.

Schools outside the District’s service area are eligible for the Campus programs -- although the current transportation cost barrier for non-District schools has limited their participation.

How the Teachers feel about the experience...
On a scale of 1 = not satisfied to 5 = very satisfied, teachers that have participated with their classes in an educational field trip to the Center provided an **average rating of 4.86** when asked “*Did you find the field trip activities beneficial for your class?*” and a **rating of 4.82** when asked “*How likely are you to recommend the field trip to your fellow teachers?*”

Financial Support for Teachers and Students

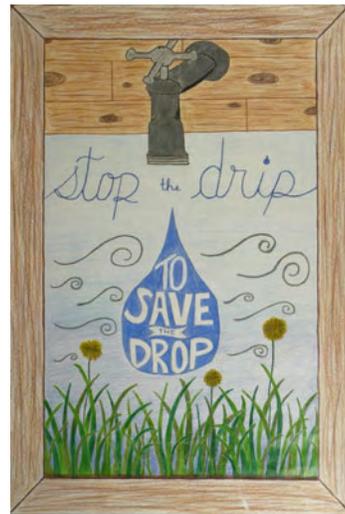
To help improve the availability of high quality water education back in the school classroom setting, the District has a long-standing commitment to provide financial resources and activities for teachers and students interested in water-related studies.

Education Grant Program

The District is a long-time sponsor of students interested in college-level study of water resources and related fields. Grant winners receive up to \$5,000 to help toward educational expenses. One past grant winner “paid it forward” by coming back to work for the District as an intern.

Annual K-12 “Promoting Water Conservation” Poster Contest

Over 2,600 students from 133 classrooms in 28 schools participated in the District’s 2014-2015 poster contest. Winners in each of the four grade-level categories receive a \$250 prize. If the individual winner’s class submitted over 10 student entries, the teacher is also eligible for an award of \$1,000 toward educational or art supplies.



Education Partnerships with Other Agencies

The District has expanded its reach through a long-time partnership with local area agencies as a member of the Water Education Water Awareness Committee (WEWAC). Programs available through WEWAC include:

Edu-Grant Program: The District helps provide grants of up to \$750 to individual or teams of teachers. Kindergarten through 12th grade teachers submit projects incorporating creative methods for teaching their classes about water-related topics. This long-term program helps to further integrate water conservation into the students’ every day learning environment.

Project WET Workshop: This popular annual workshop provides curriculum and training for teachers to take water lessons back to their classrooms. The workshop is provided free of charge to the teachers and school district. WEWAC also covers the cost of substitute teachers while the classroom teacher attends the workshop. (Teachers who have attended this workshop have often then applied for the Edu-Grant to implement the new curriculum with their students.)

Water Scholars Grant Program: This newly created program awards up to four \$500 college scholarships each year to graduating high school seniors.

Digital Media Contest: In this annual competition, middle and high school students create public service announcements to promote the water conservation message.

Annual Earth Day Field Trip



Supplementing the classroom experiences for students, 2015 marks the 23rd year of the District's popular Earth Day event. Since its inception in the

early 90s, over 25,000 students have attended the half-day program of activities related to the conservation and stewardship of natural resources. Program topics include watersheds, groundwater, water conservation, plants, and composting.

The District provides the event free of charge and arranges and funds all bus transportation for schools within the District's boundaries.

Instructors for the Earth Day children's workshops are drawn from the Region's community of local teachers and environmental education professionals.

Professional, Trade and Public Education



In addition to the Early Education Programs for schools, the campus provides a robust curriculum of technical courses designed for improving the water conservation capabilities of landscape professionals.

In the Spring of 2015, the District will begin offering courses meeting the requirements of the EPA's WaterSense Labeled Professional Certification Program. Graduates of this program receive certification as a Qualified

Water Efficient Landscaper (QWEL), proficient in the use of water wise landscape installation and maintenance best practices, and the laws and regulations governing water use in our region. QWEL Certification can be a valuable tool for consumers, ensuring that designers and contractors have the skills to design, select materials and technologies, and install and maintain water efficient commercial and residential landscapes.

Through an additional series of regularly scheduled classes and specialized clinics and workshops, the Campus also provides valuable training for District homeowners, residents and property owners. Session topics for 2014-2015 include:

- Weather Based Irrigation Controllers
- Water Wise Plants and Irrigation
- MVWD Drought Response Clinic
- Water Wise Landscaping Basics (an introductory overview of all topics)
- Backyard Composting
- Region-specific Fruits and Vegetables
- Irrigation Construction and Principles
- Irrigation Auditing
- Plant Maintenance and Pruning
- Pest Management, Soils and Fertilizers
- Plant Selection
- Landscape Preparation and Design

The District has developed its own **Landscape Certification Program** for residents completing the Water Wise workshops. Participants in the residential education program can earn progressive levels of recognition for completion of the sessions and mastery of the course materials.



The Water Conservation Campus Educational Facility



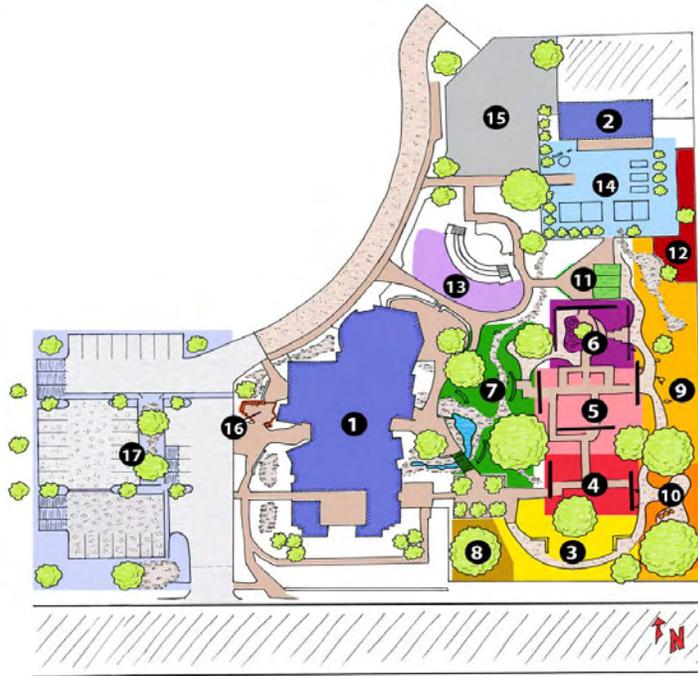
Completed in January 2014, the 4.5 acre Water Conservation Campus was re-imagined and re-designed as a comprehensive center for water conservation education and demonstration.

During the course of the five-year renovation project, the District invested roughly \$6,000,000 for the construction and improvement of spaces used primarily for educational purposes.

The District budgets over \$500,000 annually for program costs directly associated with Education and Outreach efforts carried out at the campus.

Site Map Key

1. Water Conservation Center
2. Education Building
3. Southwest Garden
4. Front Yard Demonstration Garden
5. Backyard Demonstration Garden
6. Mediterranean Garden
7. Woodland Garden
8. Desert Tortoises Enclosure
9. California Native Garden
10. Native American Area— Ethnobotanical Garden
11. Turf Demonstration Area
12. Sam's Enclosure (Sulcata Tortoise)
13. Slope Planting Demonstration
14. Educational Garden
15. Events Area



Water Conservation Center

Designed to promote connection with the outdoor environment and respect for our natural resources, the main campus building - christened the Water Conservation Center (WCC) - exceeds Title-24 standards by 40 percent.

The sustainable design features expansive views to the Garden, excellent daylighting and effective natural ventilation to create a comfortable, striking and effective learning environment.

The WCC contains the Campus's technical classroom and workshop space, accommodating

professional training classes and clinics of up to fifty adults.





The **Landscape Design Library** within the WCC contains reference materials, state-of-the-art software, and drafting materials for creating water wise landscape designs – with staff water conservation specialists available to advise and assist homeowners and landscape professionals. In the Library’s first year of operation, over 75 homeowners scheduled landscape design consultations with District staff.

The entrance to the Main Building opens into the Educational Lobby – showcasing exhibits on California and Regional water issues, water consumption for common food production, and the history and future of water use – all designed to build awareness and interest in taking an active personal role in water conservation.

Open to the public, the Water Conservation Campus and Educational Lobby welcomed over 2,500 drop-in visitors in 2014.



Education Building

Designed to engage and teach children in a familiar setting, the Education Building is dedicated to school field trips where students gain a better understanding and appreciation for topics including water issues, the significance of groundwater, the water cycle, soil percolation, and their own role in conservation. The Education Building's classroom accommodates up to 35 students in a session.



“I loved doing experiments with garden soil, rocks, and sand. I loved it because it was the first experiment I have ever done.” – Danny, 5th Grade Student

All classes are conducted in a hands-on lab format and are followed up with student and teacher feedback to ensure that topics and methods are relevant and appropriate to the grade level.

Water Wise Demonstration Garden

The Water Conservation Campus outdoor spaces include the Water Wise Demonstration Garden – a showcase for water conservation principles, techniques, and plant and hardscape materials.

The garden is designed to show residents and professionals how water efficient landscaping looks, feels and performs in real world applications in the Inland Empire region. Demonstrations and installations include life-cycle plant growth, irrigation with recycled water, bioswales, pocket gardens, native and drought-tolerant plants, and turf comparison areas.



A special feature of the Demonstration Garden is the installation of residential building silhouettes to help designers and homeowners picture the scale and massing of plant and hardscape materials against a familiar backdrop.

Demonstration Parking Lot



To take advantage of all opportunities to educate and inform, the Campus parking lot showcases Low Impact Development best practices by using permeable asphalt, permeable concrete and paver surfaces. The entire campus site, including the parking lot, was designed for 100 percent on-site retention and percolation using channels, trench drains and bioswales to direct and collect storm water.

Multi-Use Building and Wilderness Park

The campus also includes a solar powered multi-use building for fleet and equipment maintenance activities as well as a Wilderness Park with over 40 types of trees, a recreational trail and a drought and salt tolerant lawn area irrigated with reclaimed water. The park is a popular gathering place for the local community as well as a medi-vac site for emergency responders.

The lawn area is also used to accommodate large events like the popular Earth Day field trip for area schools. At this year's event nearly 1,200 students experienced hands-on exposure to water conservation issues and ideas as well as water-related fun, games and a magic show.



Campus Access and Availability

The Water Conservation Center Campus is open to the public 8:00 a.m. – 5:00 p.m., Monday through Saturday. The campus technical classroom and education building double as community meeting spaces and are available by reservation.

Summary and Conclusion

The Chino Basin Water Conservation District has developed a long-term and sustainable strategy for ensuring that current and future water needs will be met.

The District, its Board and staff are delivering on that promise through:

- A collaborative, regional approach to managing groundwater resources,
- The development of distinctive, regionally-specific professional, homeowner and elementary school education programs, and
- A comprehensive, state-of-the-art 4.5-acre education and demonstration Campus.

By recognizing the unique role that it - as an independent conservation district – can play, and focusing its resources and capabilities on high impact methods for creating a ***new sustainable normal*** for water use sensitivity and behavior, the Chino Basin Water Conservation District is leading the way in designing and delivering high quality water conservation education programs.

Business owners, educators, homeowners and trade practitioners see the District as a unique and credible advocate for sound water conservation advice and education –

a perspective that is unencumbered by the tension that may exist between ratepayers and their service utilities.

The District’s investments in professional staff, high quality facilities and educational program development have created an efficient, effective and sustainable component in a comprehensive strategy for addressing regional water issues.

The **Building Industry Association** honored the Chino Basin Water Conservation District with its **2014 “Good Government”** award. BIA Chapter President, Terry Kent, lauded the District’s investment in education, stating, “The best way for us to conserve water is by educating the community... The CBWCD remains at the forefront of such education efforts and we’re thankful for their leadership.”

The educational programs and campus facilities have been developed to reflect the unique characteristics of the Chino Groundwater Basin and the surrounding inland area. The Water Conservation Campus and the programs it delivers are scalable to serve a broader Regional audience beyond the District’s current boundaries.

The Chino Basin Water Conservation District, its Board and Staff continue to seek ways to broaden the impact and reach of its water conservation education programs and welcome discussions on new models for accomplishing that goal.



Chino Basin Water Conservation District

*Creating a New Normal for Water Conservation Sustainability
through Demonstration and Education*



Chino Basin Water Conservation District

Highlights—2014

Education and Public Outreach statistics and highlights of the past year:

2014 AT A GLANCE		
TYPE	# PEOPLE	COMMENTS
Public Walk-Ins	2,490	We have averaged over 200 walk-in visitors a month
Meetings	1,800	We have had 104 meetings with over 1,800 attendees ranging from master gardener lessons to various agency, non-profit and public meetings
Professional Classes	800	We have had 57 classes with approximately 800 attendees
Earth Day	1,159	Approximately 1,200 students from 38 classes plus teachers and volunteers
Poster Contest	2,594	Entries from 133 classes and 28 schools
School Tours FY 14-15	4,170	Approximately 130 classes taught to 77 tours from 33 different schools + teachers and parents
DISTRICT PROGRAMS in 2014		
1.	Residential LEAP Audits	63 Audits within the District 60 Audits outside District (IEUA)
2.	Commercial LEAP Audits	8 Audits within the District 7 Audits outside District (IEUA)
		<i>LEAP: Approximately 61 acres audited in 2014 for potential savings of 48,000 CCF (units) or 110 AF</i>
3.	Weather Based Controller Installs	76 residential installs
4.	Landscape Design Consultations	74 homeowners helped with designs to transition to drought tolerant landscapes

Chino Basin Water Conservation District ~ 4594 San Bernardino St, Montclair CA 91763
909-626-2711 ~ www.cbwcd.org

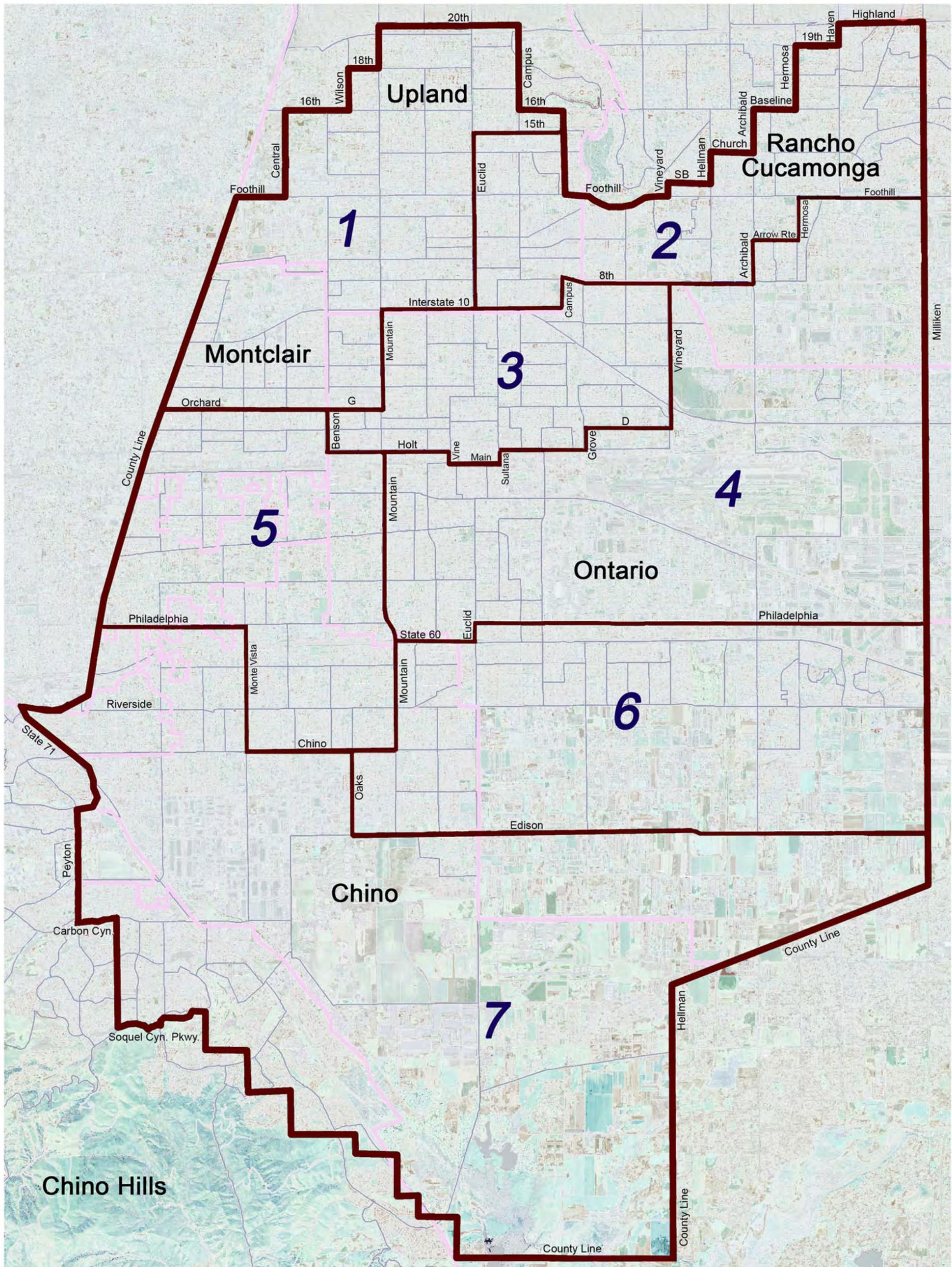


District Facilities

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Legal Boundaries

CHINO BASIN WATER CONSERVATION DISTRICT LEGAL BOUNDARY, WITH VOTING DISTRICT BOUNDARIES



District Facilities

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Water Conservation Center
Campus

Highlights of the Water Conservation Center Campus

Wilderness Park



- Over 40 types of trees with interpretive signs
- Redesigned to use 75% less turf than original; salt-tolerant and low-water turf
- Irrigated with recycled water
- Doggie waste stations and recycling station
- Decomposed granite paths for percolation



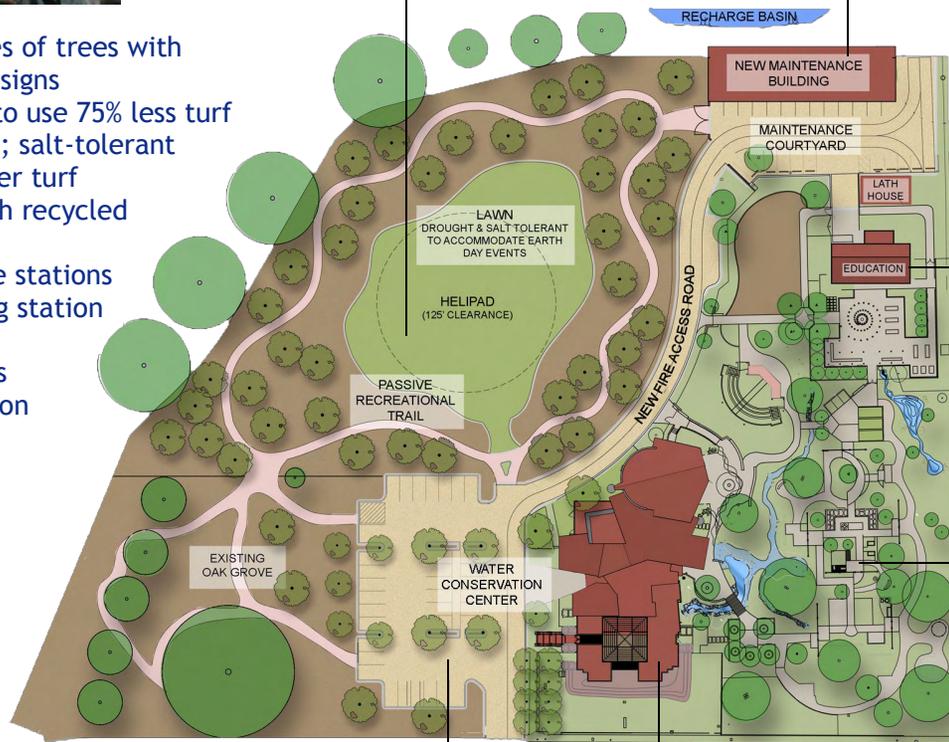
Multi-Use Building

- 42KW photovoltaic array
- Office space for maintenance personnel
- Garage space for District vehicles
- Storage area for Earth Day and event supplies
- Lath house for plant propagation



Education Building

- Teaching space for 35 students
- Solatubes and large windows bring in light; site orientation reduces heat gain
- GREENGUARD materials
- Kid-friendly outdoor planting and garden space adjacent to building



Water Wise Demonstration Garden

- Pocket gardens, native and drought-tolerant plants, turf comparison areas demonstrate Water Wise Landscaping
- Bioswales, decomposed granite paths, mulching demonstrate water retention and capture



Demonstration Parking Lot



- Showcases Low Impact Development best practices
- Designed for 100 percent on-site retention and percolation: Pervious pavements, zero curbs, trench drains, and bioswales direct and collect water

Water Conservation Center

- 50 person classroom, 12 person conference room
- Educational lobby and public design room
- Rooms designed to connect with garden
- Building is 40 percent better than Title-24 requirements
- Operable windows, low VOC products, very efficient HVAC system, and passive cooling tower
- High efficiency toilets, waterless urinals, low flow sinks



District Facilities

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Percolation Basins

Chino Basin Water Conservation District

Listing of Water Basins and Ownership Within Agency Boundary

San Antonio Channel Drainage System

College Heights West	CBWCD
College Heights East	CBWCD
Upland	City of Upland
Montclair 1	CBWCD
Montclair 2	CBWCD
Montclair 3	CBWCD
Montclair 4	CBWCD
Brooks	CBWCD

West Cucamonga Channel Drainage System

7 th Street	SBCFCD
8 th Street	SBCFCD
Ely 1	SBCFCD
Ely 2	SBCFCD
Ely 3	CBWCD

Street Drainage

Grove Basin	SBCFCD*
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Cucamonga and Deer Creek Channel Drainage Systems

Turner 1	SBCFCD
Turner 2	SBCFCD
Turner 3	SBCFCD
Turner 4	SBCFCD & CBWCD

CBWCD: Chino Basin Water Conservation District

SBCFCD: San Bernardino County Flood Control District

(*) CBWCD contributed funds to enlarge basin for water conservation purposes

Chino Basin Water Conservation District
Current Agreements and Contracts:
'Four Party Agreement'

Title: **Agreement for Operation and Maintenance of Facilities to Implement The Chino Basin Recharge Master Plan** (Note: commonly referred to as the "Four Party Agreement")

- Agencies: San Bernardino County Flood Control District (SBCFCD), Chino Basin Watermaster (Watermaster), Inland Empire Utilities Agency (IEUA), and Chino Basin Water Conservation District (CBWCD)
- Original Agreement Date: December 2002
- First Amendment (following San Bernardino Superior Court approved "Peace II Agreement: Party Support for Watermaster's OBMP Implementation Plan...")
- First Amendment court approved date: December 2007

Operation and Maintenance Programs

Basin and facility maintenance and improvements included:

Montclair Basins Numbers 1, 2, 3, and 4

- The Montclair Basins receive storm water, local runoff water and imported water.
- Weed abatement by outside contractor of the bottom, steep slopes, and nuisance water ponds.
- Weed abatement on perimeter roads and tops of slopes by District staff as well as irrigation maintenance and small tree and shrub trimming.
- Landscape maintenance by District staff.



Montclair #4

The District completed the Montclair Basins Improvement project of all four basins. The project, as performed by an outside contractor, improved the function of the Montclair system through the improvement of recharge rates. Additionally, water sensor infrastructure was installed for future improvements of monitoring recharge data.

College Heights East and West Basins

- The College Heights basins receive storm waters, local run off and imported water.
- Weed abatement on perimeter roads and tops of slopes by District staff.
- Weed abatement by outside contractor of the bottom and perimeter roads.
- The College Heights West Basin is currently undergoing a landscape beautification project along Monte Vista Ave. and Arrow Route. Landscape will be defined with sustainable drought tolerant design and plant selections. Completion is scheduled for early 2015.
- Several thousand yards of soils spoils from the Montclair Basin restoration project of 2013-2014 were staged at College Heights East Basin. Staging these soils at the Basin saved the District tens of thousands of dollars in dumping fees. It is planned to have these soils screened, cleaned and removed by an outside contractor at no cost to the District sometime 2015.



College Heights East

Brooks Basin

- Brooks Basin receives storm water, local run off from storm drains, imported water and recycled water.
- Weed abatement on perimeter roads and tops of slopes by District staff.
- Weed abatement on steeper slopes and large tree trimming by outside contractor.
- Recycled water from Inland Empire Utilities Agency (IEUA).



Ely Basin No. 3

- Ely Basin No. 3 receives storm water, local runoff water and recycled water.
- Passed annual recycled water inspection by City of Ontario. The recycled water use is subject to inspection and testing conforming to the State Department of Public Health.
- Weed abatement on perimeter roads and tops of slopes by District staff as well as irrigation maintenance and small tree and shrub trimming.
- Landscape maintenance trimming of larger trees and ground cover trimming by outside contractor.
- Addition of mulch on perimeter slopes and landscapes was provided by and outside green waste recycling contractor at no cost to the District. This mulch application minimizes weed growth and assists in erosion control while improving the landscape soils.



Turner Basin/4th Street Property

The District owns approximately four acres of property associated with Turner Basin No. 1. The District owned property parallels Fourth Street on the north side of the basin between Cucamonga Channel and Golden Oak Road on the east and extends south down into the north slope of the basin. The District maintains the landscaping fronting Fourth Street to the south security fence between the Cucamonga Channel and the housing development on the east. The landscaping covers approximately one acre of land. The remaining District property encompasses a maintenance road and a portion of the north slope of Turner Basin No. 1.



Turner Basin Landscape

- Weed abatement on perimeter road and top of slope by District staff as well as landscape maintenance, irrigation maintenance and small tree and shrub trimming.
- District staff will be completing a recycled water connection to irrigate the landscape in early 2015, thereby eliminating potable water use for irrigation purposes.

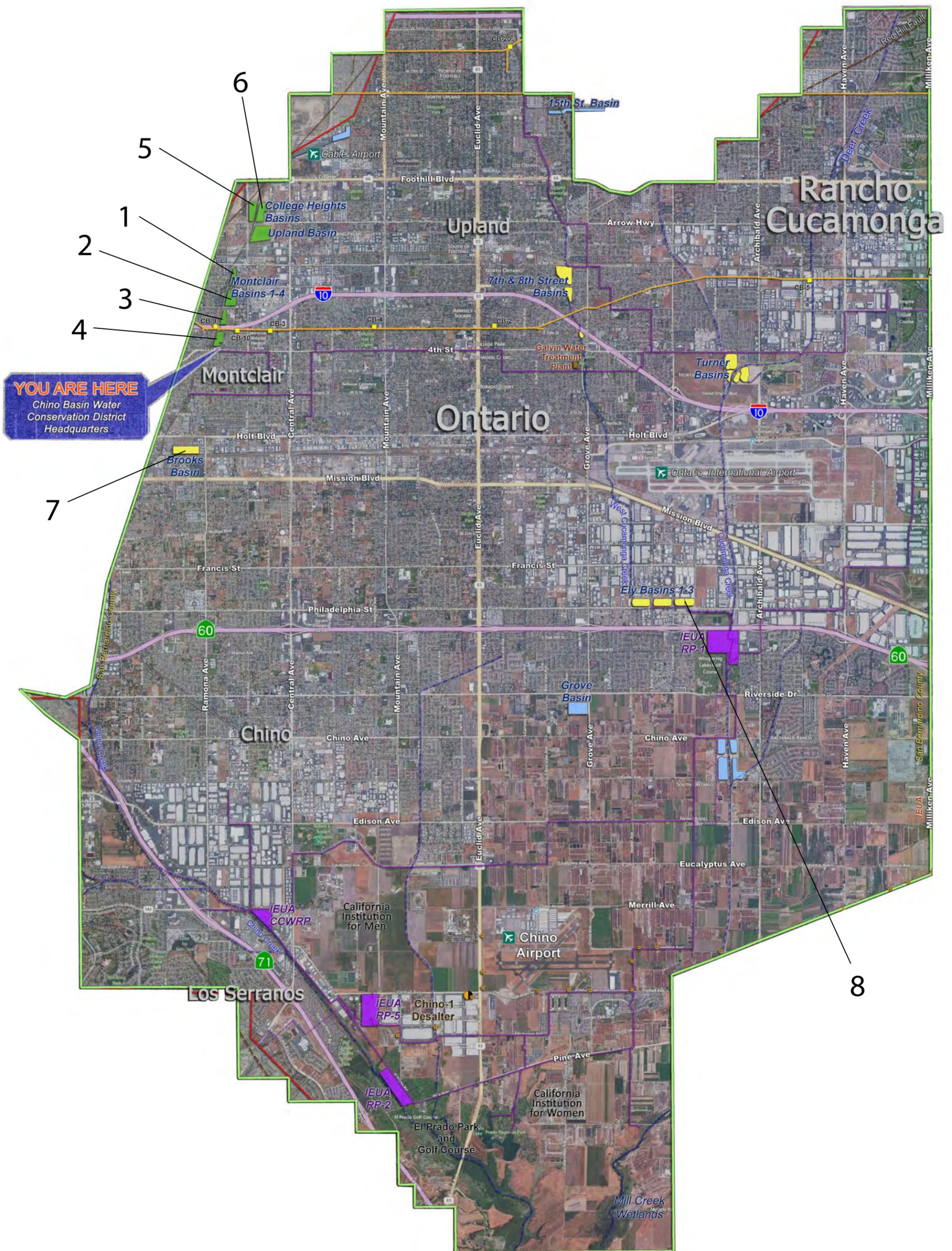
Grove Basin (San Bernardino County Flood Control District Owned)

The District and San Bernardino Flood Control District entered into an agreement in 2000 whereby the Flood Control District, in exchange for financial participation by the District in the construction of the Basin, allowed the bottom portion of the Basin to be used for water conservation. As part of the agreement, the District performs weed abatement on the bottom of Grove basin and a portion of the slopes.

- Grove Basin received storm water runoff.
- As noted above, District staff maintains weed abatement on the bottom and a portion of the basins slopes.

Chino Basin Water Conservation District

Percolation Basins



1. Montclair #1

Arrow Highway, west of Monte Vista
Capacity: 134 acre ft



2. Montclair #2

Moreno Street, west of Monte Vista
Capacity: 243 acre ft



3. Montclair #3

San Jose Street, west of Monte Vista
Capacity: 49 acre ft



4. Montclair #4

Palo Verde Street, west of Monte Vista
Capacity: 97 acre ft



5. College Heights West

Arrow Route and Monte Vista Ave

Capacity: 126 acre ft



6. College Heights East

Arrow Route and Monte Vista Ave

Capacity: 145 acre ft

7. Brooks Basin

Brooks Street and Silicon Ave

Capacity: 503 acre ft

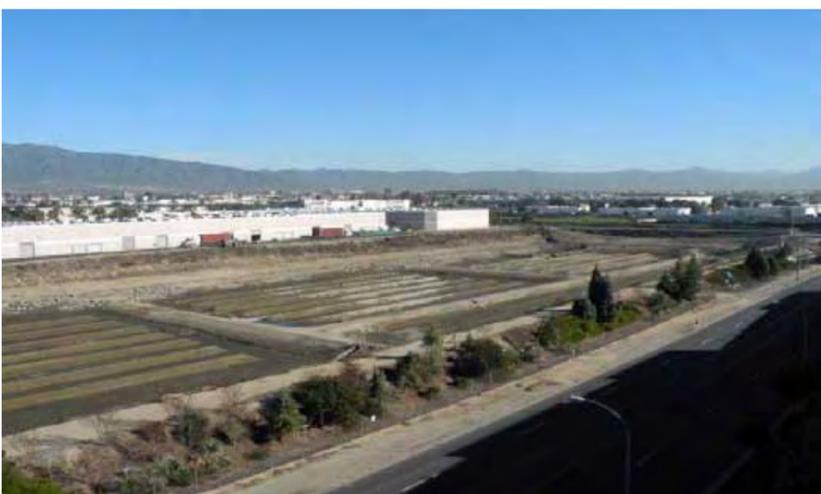


8. Ely Basin #3

Philadelphia Street and Vineyard Ave

Capacity: 136 acre ft

(Note: Ely #1 and #2 are owned by San Bernardino County Flood Control District)



K-12 Education at the District

~

Teaching Field Trips



Amid the messages of drought and reduced water use, how can you do your part to conserve?

The Chino Basin Water Conservation District (CBWCD) provides programs and resources, **available to you for no cost**, to help you with your classroom's conservation journey.

Read on for more details.

We look forward to partnering with you to educate our future leaders about our most precious resource!



Planting demonstration

Education Coordinator

Liane Veenema

lveenema@cbwcd.org
909-267-3226

Online Resources

CBWCD's Education Pages

www.cbwcd.org/education
www.cbwcd.org/conservation

Water Education Water Awareness Committee

www.usewaterwisely.com

Be Water Wise

www.bewaterwise.com

Stay Connected



cbwcd.org: Our newly redesigned website is user friendly with information at your fingertips.



facebook.com/CBWCD: Connect with other Water Wise community members here.



Twitter @CBWCD: Follow our news flashes and other info.

Chino Basin Water Conservation District



Teacher's Guide for Water Conservation Programs

Kindergarten ~ 12th Grade



**4594 San Bernardino St
Montclair, CA 91763**

909-626-2711 ~ www.cbwcd.org



CBWCD's Education Programs

Year-Round Field Trips to the Water Conservation Center and Garden

Tour the facility and discuss water use and conserving water; encounter birds, squirrels, and tortoises; get your hands dirty and more!

- **Hands-on, scientific activities** for all grades
- **Rooted in standards:** CA State Framework and NGSS, also integrating Common Core
- **Free transportation for schools** (within the CBWCD service area)

Annual Earth Day Field Trip

Our annual Earth Day field trip in April has a special focus for 5th grade. The day provides hands-on seminars on topics such as groundwater, worm composting, water wise plants and adaptations, and others. In its 22 years running, our field trip has served over 25,000 students.

Class Presentations

If you can't make it to our facility, our staff can visit your school to provide a water conservation presentation and activities.



Water Conservation Poster Contest

We invite K-12 students to take part in our Annual Poster Contest opening in September!



2013-14 Winner, Grd 7-9

There are 4 categories: K-3, 4-6, 7-9, and 10-12.

Education Grant

CBWCD offers one or more grants of up to \$5,000 for students enrolled in various water resource related fields. Opens in January.



Water Education - Water Awareness Committee

We also collaborate with local water agencies and cities to provide even more opportunities for you and your students:

- **Edu-Grant**, a grant program for teachers
- **Project WET Workshop**, a free one-day seminar in October for water-related curriculum
- **Water Conservation Campaign**, a broadcast and digital media contest for middle and high school students
- **Water Scholar Program**, a scholarship for college-bound high school seniors

Leaf rubbing at annual Earth Day field trip



INTEREST FORM

Name: _____

Grade Level: _____

School: _____

Best Phone: _____

Email: _____

Activities and Programs

- _____ Field trips to the Water Conservation Center and Garden
Year-round
- _____ Earth Day field trip for 5th graders
April—limited space; registration is 1st come 1st served
- _____ Classroom presentation
Year-round
- _____ Water Conservation Poster Contest
Deadline Dec., awarded in spring
- _____ Water Conservation Campaign: Media
Deadline Nov., awarded in spring

Grants/Workshops for Teachers

- _____ Edu-Grant
Deadline Nov., awarded in spring
- _____ Project WET Workshop
October each year

Grants for Students

- _____ CBWCD Education Grant
Deadline Apr., awarded in Jul/Aug
- _____ Water Scholar Program
Deadline Jan., awarded in spring

Please send your request to:

Liane Veenema, Education Coordinator
at lveenema@cbwcd.org
or fax to 909-626-5974.



Chino Basin Water Conservation District

Field Trip Program—2014-15

*We are excited to welcome you to the Water Conservation Center!
Below is a description of our field trip offerings.*

General Structure

- **Due to space limitations, up to two classes (or max. 70 students) per trip**
 - If your school has more than 70 students per grade, you can schedule multiple days.
 - There is no limit on number of field trips per grade or per school.
- **Time frame:**
 - Classes will take part in the Water Conservation Center and Garden Tour and one scientific activity, with a short break in between. **Total time: 2.5-3 hours.**
 - If you have less time, you can elect the tour by itself. **Total time: 1-2 hours.**
 - Field trips begin at 9 a.m. There is a park where you may have lunch after the tour and activity.
 - Field trips are scheduled **Tuesday through Thursday**. Book at least 2 weeks in advance.
- **Transportation:**
 - You will schedule your transportation.
 - **For schools in CBWCD service area:** CBWCD will either reimburse your school or you may have the bus company send the bill to CBWCD.

FIELD TRIP OFFERINGS AT A GLANCE			
OPTION	GRADE LEVEL	ACTIVITY NAME	TIME
ALL	<i>Provided with all field trips</i>	Water Conservation Center and Water Wise Demonstration Garden Tour	1 hr
And choose one of the options below:			
1.	<i>Grades 2-5</i>	Garden Pollinators: Sharp Eyes and Adaptation Station	1 hr
2.	<i>Grades 3-12</i>	Soil Stories: Does It Hold Water? and Compost Critters	1.5 hrs
3.	<i>Grades 4-8</i>	Tap Water Tour	1 hr
4.	<i>Grades K-5</i>	Water Cycle Bracelet	1 hr

General Topic Areas Covered

- Climate
- Decomposers, Urban Waste
- Groundwater
- Habitats and Landscapes (Water Wise Landscaping)
- Properties of Water
- Water and Energy
- Water Cycle
- Water in CA/History of Water in the Area/Where Your Water Comes From
- Water Knowledge and Conservation
- Water Quality

Chino Basin Water Conservation District ~ 4594 San Bernardino St, Montclair CA 91763

909-626-2711 ~ www.cbwcd.org



Chino Basin Water Conservation District Field Trip Offerings—Spring 2015

CBWCD Field Trip Activity Descriptions

Water Conservation Center and Water Wise Demonstration Garden Tour	All Ages
Topics Covered: Climate; Decomposers, Urban Waste; Habitats and Landscapes (Water Wise Landscaping); Water in CA/History of Water in the Area/Where Your Water Comes From; Water and Energy; Water Cycle; Water Knowledge and Conservation; Water Quality	
<p>Students will learn about many aspects of water, why we need to conserve, and how to do it. Inside the Water Conservation Center, CBWCD staff guides students through an educational exhibit. Students are encouraged to think critically about their habits and identify ways they can conserve in their own homes. The tour gives context to our water consumption and shows the ‘why’ behind the need to conserve water.</p> <p>The second part of the tour takes students through the Water Wise Demonstration Garden to highlight topics such as water wise plants, native animals, the history of people in the area, composting, and ways that you can conserve water each day in your landscape.</p>	
Garden Pollinators: Sharp Eyes and Adaptation Station	Grades 2-5
Topics Covered: Climate; Decomposers, Urban Waste; Habitats and Landscapes (Water Wise Landscaping)	
<p>Students practice using their eyes as information gathering tools. Then students go on a scavenger hunt in the garden to find plant and animal adaptations, learning about why these adaptations might be beneficial for survival and how they might help the environment at the same time. California native plants and water wise adaptations are part of the discussion.</p>	
Soil Stories: Does it Hold Water? and Compost Critters	Grades 3-12
Topics Covered: Groundwater; Decomposers, Urban Waste; Habitats and Landscapes (Water Wise Landscaping); Water Quality	
<p>In this activity, students time the passage of water through different soils to compare the water-holding capacity of various soils. They will discuss why soils make a difference for plants and water use. Then students will learn about composting, nature’s form of recycling. During this investigation, students will get up close and personal with compost and its residents by examining a sample of compost and identifying the various critters in a compost pile.</p>	
Tap Water Tour	Grades 4-8
Topics Covered: Water in CA/History of Water in the Area/Where Your Water Comes From; Properties of Water; Water and Energy; Water Cycle; Water Knowledge and Conservation; Water Quality	
<p>Students become scientists, using simple tablets to test tap water for copper, iron, chlorine, and pH levels. The activity will also discuss water quality issues and where our water comes from.</p>	
Water Cycle Bracelet	Grades K-5
Topics Covered: Climate; Water in CA/History of Water in the Area/Where Your Water Comes From; Water and Energy; Water Cycle; Water Knowledge and Conservation; Water Quality	
<p>Students learn about the water cycle by making a bracelet to take home. Students use beads to represent the various elements of the water cycle. Concepts of water conservation, water quality, and where our water comes from are also incorporated into this activity.</p>	

Address any and all questions to: Liane Veenema, Education Coordinator
909-267-3226 or lveenema@cbwcd.org

Ontario-Montclair

School District

J. STEVE GARCIA
President
DAVID CAMPIO
Vice President
MAUREEN MENDOZA
Clerk
PAUL VINCENT AVILA
Member
SAMUEL CROWE
Member

415 East "G" Street, Ontario, California 91764 • (909) 983-8522

CENTRAL LANGUAGE ACADEMY

Principal: Arlene Rodriguez

Liane Veenema
Chino Basin Water Conservation District
4594 San Bernardino Street
Montclair, California 91763

Dear Ms. Veenema,

My students had a wonderful and educational time visiting your facility on October 7, 2014. Thank you for allowing us to visit and enriching our science program.

I just finished reading their letters to you and I must say, I was very impressed with what they learned. Details about tortoises, indigenous plants and water conservation are just a few of the lessons they learned from you and Mr. Dave. Even a couple of students indicated that they want to work at your facility some day!

Again, thank you for a very lovely day and for providing us with a transportation grant to make this field trip possible. I thought the entire experience, from working and coordinating with you to the actual field trip was very pleasant. You have only met half of our 5th grade and the other two classes will get to see you on Tuesday, October 21st. They can hardly wait after hearing about our experience!

Respectfully,



Mrs. Keene
5th Grade Teacher

K-12 Education at the District

~

Earth Day



EARTH DAY 2014

Coordinator: Liane Veenema

Post-Event Information:

Earth Day 2014 was held on Thursday, April 10, 2014 at the Chino Basin Water Conservation District in Montclair, California. The following information gives a brief summary of the event:

▪ **Participating School Districts:**

- Central School District
- Chino Valley Unified School District
- Cucamonga School District
- Mountain View School District
- Ontario-Montclair School District
- Upland Unified School District

▪ **Total Number of Classes:** 38 fifth grade classes

▪ **Total Number of Students:** 1,159 (384 more than 2012)

- | | | | |
|--------------------|-----|---------------|----|
| ○ Ontario | 548 | ○ Chino | 70 |
| ○ Montclair | 263 | ○ Upland | 66 |
| ○ Rancho Cucamonga | 212 | ○ Chino Hills | 0 |

▪ **Total Number of Volunteers:** 64. There were 40 student volunteers from Upland Christian High School; 15 from Montclair High ROTC; numerous from IEUA, MVWD, CVWD, City of Ontario and other organizations. The instructors had wonderful feedback about the volunteers' great work ethic.

▪ **Total Number of Exhibitors:** 6—limited to focus on more environmental orgs

- Exhibitors included: City of Chino; City of Montclair NPDES; Bureau of Land Management; Santa Ana Watershed Association; Southern California Edison; and Wonders of Wildlife.

▪ **Updates to Activities:**

- Incorporated two new activities, "Common Water" and "Storm Water", that talked about water users and storm water in an urban environment. Our very own Director, Margaret Hamilton, joined us as an instructor for "Common Water" and did a wonderful job! "Storm Water" also utilized CBWCD's permeable pavement as an example of best practices.
- The Wyland Mobile Learning Experience made a come-back with much fanfare.
- The Garden tour was re-envisioned to take advantage of its new diverse features.
- Worm Composting Activity was re-envisioned, based on past experience, to create worm bins for the class instead of each student taking home worms in a bottle. Teachers were given detailed information on how to maintain a worm bin in their classroom so that they would be successful.

▪ **Other Information:**

- We incorporated a scavenger hunt to make exhibitor visits and between times meaningful and focused, providing a few sets per teacher so they could split their classes into teams. The kids seemed to have fun looking for the various items.
- This year we planned a full-sized Earth Day in a very short time frame, about 1 ½ months due to CBWCD's ribbon cutting also happening in the spring. Despite the condensed planning time, the logistics went very smoothly and the day was an amazing success!

K-12 Education

District supported

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Education Grants

Poster Contest

Garden in Every School

Financial Support for Teachers and Students

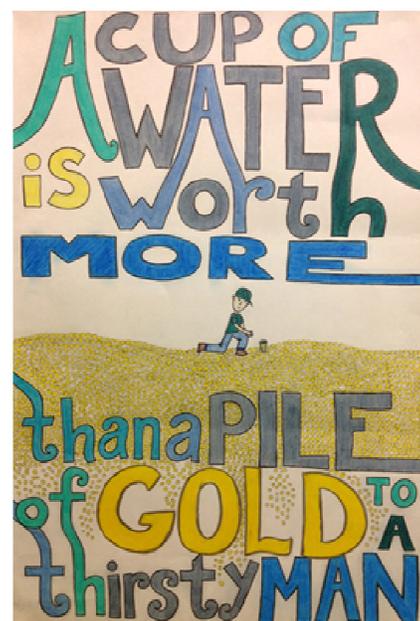
To help improve the availability of high quality water education back in the school classroom setting, the District has a long-standing commitment to provide financial resources and activities for teachers and students interested in water-related studies.

Education Grant Program

The District is a long-time sponsor of students interested in college level study of water resources and related fields. In 2013-14 the District awarded \$10,000 to two grant winners to help toward educational expenses.

Annual K-12 “Promoting Water Conservation” Poster Contest

Over 2,500 students from 125 classrooms in 23 schools participated in the District’s 2013-2014 poster contest. Winners in each of the four grade-level categories received a \$250 prize. If the individual winner’s class submitted over 10 student entries, the teacher is also eligible for an award of \$1,000 toward educational or art supplies.



*2013-14 Winner of the 10-12 Category,
Lisa Orona of Chino High School*

Garden in Every School Program

The District in partnership with Inland Empire Utilities Agency (IEUA) provides selected qualified schools within the District’s and IEUA’s boundaries opportunities to build drought tolerant and/or vegetable gardens on the school’s campus through the Gardens in Every School program (GIES). District staff performs inspections of previously constructed gardens within the GIES program and makes recommendations on irrigation and weed maintenance, plant health evaluations and ways to improve the gardens in the future. Additionally, the District and the IEUA are anticipating a prosperous 2014-15 with new schools participating in this highly educational program.



Raised vegetable beds



GIES workshop for teachers



Chino Basin Water Conservation District
4594 San Bernardino Street
Montclair, CA 91763

Contact: Liane Veenema
Tel.: 909-267-3226
Email: lveenema@cbwcd.org

For Immediate Release

STUDENTS REMIND US TO CONSERVE WATER

Inland Empire (February 12, 2014) – Chino Basin Water Conservation District’s annual Water Conservation Poster Contest was once again a huge success with a record breaking number of entries! Over 2,500 students participated in the contest, with entries coming from 125 classrooms, representing 23 schools in 7 different school districts.

The winning entries highlighted various water conservation messages, including saving water in landscaping and growing our food, the worth of water to a thirsty man, and a message to “Save Water: Don’t Be Wild About Water”. The winner of the K-3rd Grade Category was Summer Butarbutar, a 3rd grader taught by Ms. Karla Beaty from Corona Elementary. Winning the 4-6th Grade Category was Kayla Perez, a 4th grader taught by Ms. Jan Hafner from Dickson Elementary. Rodolfo Tovar, an 8th grader taught by Mrs. Turowetz-Burke from Our Lady of Lourdes Catholic School, stood out in the 7-9th Grade Category. Finally, the winner of the 10-12th Grade Category was Lisa Orona, a 12th grader taught by Ms. Mary Jane Sinkwich from Chino High School.

Each winning student received a prize of \$250. The teachers of each winner’s class also received \$1,000 worth of school supplies. In addition to their monetary awards, the students were acknowledged by the CBWCD’s Board of Directors at the February Board meeting and the student’s posters are featured in the District’s Wilderness Park.

To learn more about Chino Basin Water Conservation District’s Water Conservation Poster Contest, as well as their other school and adult educational programs, visit www.cbwcd.org, call 909-626-2711 or visit the Water Conservation Center Campus at 4594 San Bernardino Street in Montclair.

#

CBWCD Poster Contest Participation over Time

FY	Categories	# Entries	# Classes	# Schools
2008-09	K-6; 7-12	453	39	30
2009-10	K-6; 7-12	459	28	16
2010-11	K-6; 7-12	1,044	62	30
2011-12	K-6; 7-12	1,383	79	23
2012-13	K-6; 7-12	1,923	112	29
2013-14	K-3; 4-6; 7-9; 10-12	2,532	125	23
2014-15	K-3; 4-6; 7-9; 10-12	2,595	133	28

K-12 Education

District participation

~

WEWAC

Water Education Water Awareness
Committee

Education Partnerships with Other Agencies

Water Education, Water Awareness Committee

The District has expanded its reach through a long-time partnership with local area agencies as a member of the Water Education Water Awareness Committee (WEWAC). Programs available through WEWAC in 2013-14 included:

- **Edu-Grant Program:** The District helps provide grants of up to \$750 to individual or teams of teachers. Kindergarten through 12th grade teachers submit projects incorporating creative methods for teaching their classes about water-related topics. This long-term program helps to further integrate water conservation into the students' every day learning environment.
- **Project WET Workshop:** This popular annual workshop provides curriculum and training for teachers to take water lessons back to their classrooms. The workshop is provided free of charge to the teachers and school district. WEWAC also covers the cost of substitute teachers while the classroom teacher attends the workshop. (Teachers who have attended this workshop have often then applied for the Edu-Grant to implement the new curriculum with their students.)
- **Digital Media Contest:** In this annual competition, middle and high school students create public service announcements to promote the water conservation message.

FREE

PROJECT WET TEACHER WORKSHOP

Tuesday, October 28, 2014

8:00am-3:00pm

Chino Basin Water Conservation District

4594 San Bernardino Street

Montclair, CA 91763



Project WET (Water Education for Teachers) is an award-winning, nonprofit water education program and publisher. The workshop will include the following at **NO COST**:

- **Hands-on Environmental Education Curriculum**
- **Project WET Curriculum & Activity Guide 2.0**
- **Continental Breakfast and Lunch will be served**

****Contact your school's water provider for teacher substitute reimbursement information*

Project WET activities engage students with hands-on, interdisciplinary lessons that teach important concepts about water.

All these activities are aligned with the California Content Standards.

****Continuing Education Units (CEUs) AVAILABLE FOR THIS WORKSHOP!***

For more information and to register visit

www.usewaterwisely.com

Participating Water Agencies:

Chino Basin Water Conservation District
City of Chino
City of Chino Hills
City of Glendora
City of La Verne
City of Pomona
City of Upland
Cucamonga Valley Water District

Fontana Water Co.
Golden State Water Co.
Inland Empire Utilities Agency
Monte Vista Water District
Ontario Municipal Utilities Company
Rowland Water District
Three Valleys Municipal Water District



LIKE US ON FACEBOOK!!



WEWAC—Water Education/Water Awareness Committee
Our Mission is to promote the efficient use of water and to increase public awareness of the importance of water in Southern California.

WEWAC

Water Scholar Program



CHANCE TO WIN A

\$500

COLLEGE SCHOLARSHIP

In 2014, the **Water Education Water Awareness Committee (WEWAC)** established the “WEWAC Water Scholar Program” in order to promote water awareness through education programs.

WHO: High school seniors living in the collective WEWAC service area (see listing below) and planning to attend a two- or four-year college for the 2015-2016 school year.

WHAT: Four Scholarships: \$500 each – payable to educational institution upon proof of enrollment.

HOW: See reverse side for application details.

DEADLINE: Thursday, January 29, 2015. All applications must be mailed/delivered to: Monte Vista Water District, Attn: Public Affairs, 10575 Central Ave., Montclair, CA 91763.

NOTE: A postmark on the above date will not ensure eligibility.

Participating Water Agencies:

Chino Basin Water Conservation District
City of Chino
City of Chino Hills
City of Glendora
City of La Verne
City of Pomona
City of Upland
Cucamonga Valley Water District

Fontana Water Co.
Golden State Water Co.
Inland Empire Utilities Agency
Monte Vista Water District
Ontario Municipal Utilities Company
Rowland Water District
Three Valleys Municipal Water District



LIKE US ON FACEBOOK!

For more information visit www.usewaterwisely.com or call 909-267-2165

WEWAC—Water Education Water Awareness Committee

Our Mission is to promote the efficient use of water and to increase public awareness of the importance of water in Southern California.

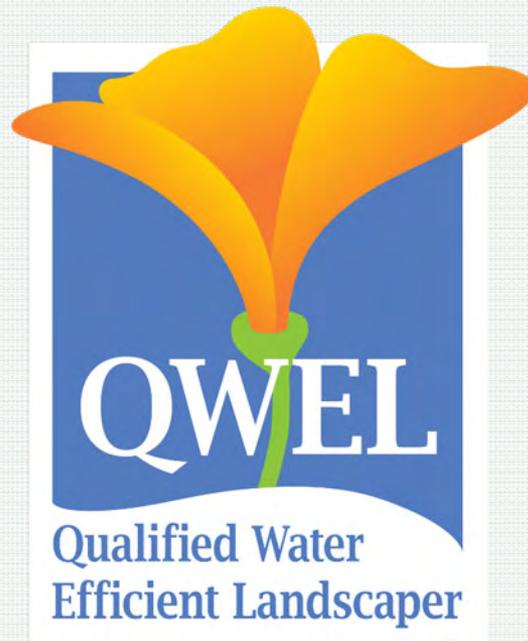
Landscape Programs Professional Certification

~

QWEL Program
Qualified Water Efficient
Landscape

What is QWEL?

EPA WaterSense approved professional certification program for irrigation system auditing and water management



Mission Statement

The Qualified Water Efficient Landscaper (QWEL) training presents an **affordable local approach** to reducing landscape water demand. QWEL provides graduates with knowledge in water efficient and sustainable landscape practices including water management and preservation of other valuable resources.

**Qualified Water Efficient Landscaper** [About](#) [Find a Landscaper](#) [For Landscapers](#) [Offer QWEL in Your Area](#)



[Find A QWEL Landscaper](#)

Find a Qualified Water Efficient Landscaper in your area. Trained in water-wise landscape practices including plant selection, irrigation system design and water management, a QWEL graduate will help meet your landscape needs while keeping your outdoor water use in check.

[Find a QWEL Landscaper](#)

For Landscapers



QWEL provides approximately 20 hours of education focused on water efficient principles including irrigation system and landscape design with proper plant selection for the climate.

[View Upcoming Trainings](#)

About QWEL



QWEL is a certification program developed to educate landscape professionals and their customers on the benefits of sound landscape design, management and irrigation practices.

[About QWEL](#)

Offer a QWEL Training



QWEL is a WaterSense recognized training program that is offered across the nation and is available for use by utilities interested in having a locally focused landscape training program.

[Learn More](#)



The QWEL Training Program Meets EPA Watersense Criteria

Copyright © 2014 Qualified Water Efficient Landscaper. All Rights Reserved.

February 19, 2015

Eunice Ulloa
Chino Basin Water Conservation District
4594 San Bernardino Street
Montclair, CA 91763



RE: Final Letter of Approval for QWEL

Dear Mrs. Ulloa,

Thank you for submitting your application stating your desire to host the Qualified Water Efficient Landscaper (QWEL) program. As you know, one of the most cost effective ways to reduce landscape water use is to have an informed landscape contractor community that understands water management. To meet this need, the QWEL program was created which is recognized by the United States Environmental Protection Agency as a Professional Certification Program for Irrigation System Audits.

QWEL provides twenty hours of educational materials designed to provide a better understanding of landscape water management for the landscape industry. The program has already proved successful with over 1,000 graduates to date. The Sonoma-Marín Saving Water Partnership continues to expand the QWEL program nationwide in a campaign to improve landscape water management around the country.

The Board of Directors have reviewed Class One revisions and are pleased to inform you that your application has received the final approval. We look forward to working with you and your agency to expand and continue the success of QWEL.

Sincerely,

Carrie Pelland

QWEL, Board Co-Chair



Chino Basin Water Conservation District

Qualified Water Efficient Landscaper Program Update

January 6, 2015

Qualified Water Efficient Landscaper Certification Program

The Qualified Water Efficient Landscaper (QWEL) Program has been developed by the Sonoma-Marín Saving Water Partnership and is an EPA WaterSense Labeled Professional Certification Program. The QWEL program educates and certifies Landscape Professionals to be proficient in water wise landscape installation and maintenance and to be knowledgeable of best practices in water conservation and the laws and regulations which govern water use in our area. QWEL Certification is a valuable tool for consumers to be able to select Landscape Installation and Maintenance Professionals who understand and have value for water and resource conservation.

On the 15th and 16th of December 2014, the District hosted a 'Train the Trainer' training session for the QWEL program. A powerpoint overview of the training and QWEL program follows this section.

Seven District Staff participated in the training and all of them passed the certification test and are now QWEL Certified and can teach the QWEL classes to others.

QWEL Certified Staff are the following (Certificates follow this page):

- Certificate 668 – Frank Sotomayor
- Certificate 669 – Juan Vazquez
- Certificate 671 – Robert Sotomayor
- Certificate 672 – David Schroeder
- Certificate 674 – David Paglia
- Certificate 675 – Andrew Strang
- Certificate 676 – Jeffrey Veenema

District staff is currently working with the QWEL Board and the EPA to certify the Chino Basin Water Conservation District as an adopter of the Sonoma-Marín Saving Water Partnership's QWEL Program as an EPA WaterSense Labeled Professional Certification Program.

CBWCD plans to begin offering QWEL certification classes to the public and professionals in the spring of 2015.



Chino Basin Water Conservation District

Qualified Water Efficient Landscaper Program Update

December 8, 2014

District staff is proud to announce that on the 15th and 16th of December we will be hosting a training session for the Qualified Water Efficient Landscaper (QWEL) program.

Concurrent with this training, District staff is working with the QWEL Board and the EPA to adopt the Sonoma-Marín Saving Water Partnership's QWEL Program as an EPA Watersense Labeled Professional Certification Program. We plan to begin offering QWEL certification classes to the public in early 2015.

The training will begin at 8 am each morning and conclude by 5 pm. Peter Estournes of Garden Works, Inc. will be conducting the training.

Included is a printout of the overview pages of each class session which outline the general topics of the 12 lessons which are a part of the QWEL curriculum.

Class Topics:

- 1) Where your water comes from
- 2) Irrigation Systems
- 3) Efficient Irrigation
- 4) Soils
- 5) Plants
- 6) Water Management
- 7) Determining Water Budgets
- 8) Irrigation Scheduling
- 9) Irrigation Controllers
- 10) Valve, Controller and Field Wire Troubleshooting
- 11) New Technology
- 12) Putting It All Together

The program is rigorous and is focused on developing a practical knowledge of landscape water conservation, irrigation maintenance and general conservation knowledge. Participants will learn how to perform catch can tests, how to program and troubleshoot irrigation valves and controllers, how to recognize plant and soil health issues, how to plan and adjust irrigation appropriately, and how to educate a client about the options available to conserve water and save money.

The second day of training will include the QWEL certification test, the passing of which is a required prerequisite to teach the QWEL program to others in the future.

The District will have 7 staff attending the training. Also attending are members of other interested agencies who will be sharing in the cost of the training.

Landscape Programs

Water Efficient Landscapes

~

LEAP

(Landscape Evaluation/Audit
Program)

WBIC

(Weather Based Irrigation
Controller)

Landscape Audits, Installations, and Training

Landscape Evaluation / Audit Program

To assist the residents, businesses and governmental agencies in reducing water usage, the District continues to provide irrigation auditing services with its "Landscape Evaluation / Audit Program" (LEAP).



Prior to Fiscal Year 2008-2009, the District jointly applied for a Department of Water Resources (DWR) grant to establish a large landscape audit program in conjunction with the Inland Empire Utilities Agency (IEUA). Following the success of that original program, the District and IEUA have partnered to provide Landscape Audit and Evaluation to all water users within IEUA's boundaries.

The CBWCD Board of Directors is committed to providing appropriate staffing levels and support to continue the Landscape Evaluation / Audit Program (LEAP) to serve organizations within the District in order to reduce landscape water usage. IEUA provides reimbursement to the District for LEAP activities which fall outside CBWCD boundaries. Approximately 1/2 of the audits performed to date have been within District boundaries.

Final audit reports are presented to each program participant. Irrigation efficiency recommendations in each report are based on a proposed landscape water budget calculated from local evapotranspiration rates, the customer's water use history and the results of a system distribution uniformity test. The report provides recommendations to improve irrigation efficiency based on site-specific findings, as well as information on soil composition and amendments, common irrigation maintenance procedures, and rebates for equipment.

Since the program's inception, the District has performed over 440 landscape audits for various customer classifications (Commercial, Industrial, Institutional, Multi-Family and Single Family). These audits have identified a potential yearly water savings of approximately 420 acre feet if all participants follow the recommendations given. The potential monetary savings, valued at the Metropolitan Water District's Tier II treated rate, is \$443,100.

The LEAP program continues to be a very important program and a tremendous resource for local water agencies and the community.



Weather Based Irrigation Controller Direct Installation Program

The District applied and was awarded a grant in September 2012 from the U.S. Bureau of Reclamation in the amount of \$91,888.79 to install 300 weather based irrigation controllers (WBIC) over a four-year period in single family residences within the district's boundaries. The original contract has since been extended through October 2017. CBWCD must turn in Progress Reports to USBR every 6 months detailing all activities during the reporting period. The grant is a 50/50 cost share and invoices are submitted at least quarterly.

The Project will identify specific customers for retrofit. In order to maximize the effectiveness of the program, only customers meeting predetermined requirements will be considered for the program. These requirements will include following:

- Own a home within Chino Basin Water Conservation District's boundaries or have the authority to modify the sprinkler system at a rental home
- Landscape area of 1,500 square feet or more
- Have an existing in-ground sprinkler system with an existing automatic sprinkler timer
- Consent for CBWCD to obtain pre- and post-installation water use data
- Customer agrees to keep controller for a minimum of 2 years.

This program is available only to residents who attend a 2 hour workshop in which they learn about the state of the drought, the importance of irrigation efficiency, and the basics of irrigation controller programming.

To date (Sept. 2012-June 2014) the District has hosted twelve WBIC Classes to educate homeowners on water conservation methods and to instruct them on how to use irrigation controllers. To date, the District has performed 124 direct installations of controllers at residential homes.

While the program is still young, these smart controllers have already saved 11 Acre Feet of water during the first year. When all 300 controllers are installed, an estimated 225 Acre Feet of actual water will be saved every year.

Landscape Programs

Homeowner Education

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Landscaping & Irrigation Classes

CBWCD Class Schedule

Classes average three to four hours long. Classes already scheduled in 2015 are noted.

- **Weather Based Irrigation Controller Class** (Mandatory for those eligible to receive a free controller through the US Bureau of Reclamation Grant administered by CBWCD.) All classes are held at the CBWCD's Facilities.

January 11, 2014
February 22, 2014
March 8, 2014

April 26, 2014
May 24, 2014
July 19, 2014

August 23, 2014
October 25, 2014
November 15, 2014

- **"Plants" & "Irrigation"** Special class for the Cucamonga Valley Water District Earth Day Event, April 5, 2014, located at the Frontier Project.

- **Mt. San Antonio College "Water Day"** Special presentation on water conservation and drought issues, April 23, 2014 at Mt. SAC.

- **MWD Drought Response Clinic** Special presentation about water conservation and drought issues on August 8, 2014 at CBWCD.

- **(The) Basics** – This is an introductory class for beginners including a brief overview of all classes offered in the District's series of specialized topics (plants, soils, pests and pest management, irrigation, composting, pruning and maintenance, fruits and vegetables, preparation and design).

February 8, 2014 at CBWCD

March 15, 2014 for Monte Vista Water District (MVWD)

March 22, 2014 for Fontana Water District (Fontana)

May 3, 2014 at CBWCD

June 21, 2014 for City of Chino

September 20, 2014 (Spanish) at CBWCD

- **Composting** – Class covers the practice and benefits of aerobic composting and vermiculture composting with red worms.

- How to get started
- Materials required
- Compost bin types
- Hands on lab to create a compost pile and/or bin. Live worms are included for the vermiculture composting lab
- Mulching materials and techniques

March 8, 2014 for City of Chino

June 21, 2014 at CBWCD

July 19 2014 for City of Chino

October 4, 2014 at CBWCD

CBWCD Class Schedule

➤ **Fruits and Vegetables**

- A description the types of fruits and vegetables that can be successfully grown in the local area
- Seasonal description of growing vegetables
- Planting techniques for both fruits and vegetables. Includes a hands-on lab
- Soils
- Pest and pest control
- Irrigation
- Harvesting
- Pruning
- Propagation

April 26, 2014 at CBWCD

April 11, 2015 (planned) at CBWCD

➤ **Irrigation**

- Basic designing of an irrigation system which includes overhead sprinklers low volume drip.
- Description of the components of an irrigation system which includes: Controllers, valves, PVC pipe, pressure regulators, filters, sprinklers, drip parts,
- Irrigation run times or scheduling, troubleshooting and repairs.
- Soils are described as they relate to irrigation scheduling
- Hydro-zoning of valves as they relate to plant material types and location of plant materials.
- Working Lab – A hands on demonstration of irrigation components
- An emphasis in water conservation techniques and strategies.

March 19, 2014 for Cucamonga Valley Water District (CVWD)

June 7, 2014 at CBWCD

September 13, 2014 at CBWCD

November 15, 2014 at CBWCD

December 13, 2014 at CBWCD

➤ **Maintenance & Pruning**

- The care of plant materials including trimming – pruning flowers, shrubs, small and large trees.
- Seasonal emphasis of pruning deciduous fruit trees, citrus, grapes and roses. Includes a hands on lab of pruning shrubs, roses and fruit trees
- The use, function and care of small hand tools and motorized tools which include: shovels, rakes, hand pruners, loppers, hand saws, power trimmers and mowers.
- Brief coverage of irrigation problems and repairs.
- Brief coverage of disease and pest I.D. and remedies which include organic, chemical treatments and Integrated Pest Management.
- Brief coverage soils.

January 8, 2014 for CVWD

January 11, 2014 at CBWCD

January 10, 2015 (planned) at CBWCD

CBWCD Class Schedule

➤ **Pest Management, Soils and Fertilizers**

- Description of insects , mites, gophers, rabbits and the damages they cause
- Description of bacterial and fungal diseases and the damages they cause. Abiotic and Biotic diseases are described
- The remedies, prescriptions and treatment used for pest control
- Chemical treatments, organic treatments and Integrate Pest Management techniques.
- Soil types and soil drainage
- Soil fertility and structure
- Irrigating soils
- Chemical fertilizers
- Organic fertilizers
- Amendments and mulching and composting

April 12, 2014 at CBWCD

August 16, 2014 for City of Chino

September 20, 2014 at CBWCD

November 8, 2014 at CBWCD

December 6, 2014 at CBWCD

➤ **Plants**

- Plant selection: trees, shrubs, groundcovers, California Natives,
- Care and maintenance
- Soils
- Irrigation
- Pests and diseases
- Planting

February 22, 2014 at CBWCD

April 5, 2014 for CVWD

April 10, 2014 for Chino Hills

May 17, 2014 at CBWCD

September 11, 2014 (English & Spanish) for MVWD

September 27, 2014 at CBWCD

March 14, 2015 (planned) at CBWCD

CBWCD Class Schedule

➤ **Landscape Preparation and Design**

- A 'How to' class to prepare your yard or growing areas for the installation sustainable and function landscapes
- Removal of water thirsty plant materials
- Low Impact Development (LID)
- Hardscape-paths, pavers, patios, permeable concrete
- Mulching with organic and gravel materials
- Plant selection
- Soils
- Irrigation design
- Drawing tools and the use of: -graph and drawing paper, pens and pencils, engineering scale and rulers, compass, templates
- Computer generated imaging for landscape visuals

March 29, 2014 at CBWCD

April 5, 2014 for Fontana

August 23, 2014 at CBWCD

Landscape Programs

Homeowner Resources

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Landscape Design
Consultation

Free Mulch & Compost



LANDSCAPE DESIGN CONSULTATION 'BEFORE'

The homeowner schedules a 90 minute consultation with District Staff and provides a photo of their existing landscape. District staff meets with the homeowner in our Design Room and uses our resources and a computer program to generate an image of a new, water wise landscape. The Demonstration Garden provides real examples of the proposed plants. The District has provided more than 60 design consultations this year.



LANDSCAPE DESIGN CONSULTATION 'AFTER'

Based on the homeowner's style and needs, various surface materials and plants are selected and rendered into the plan. The process is fluid and facilitates homeowner ownership of the design. After the design is complete, the homeowner is given the plan, a plant and material list and information about the type of irrigation needed and how to lay out and install it. The landscape shown here was implemented beautifully by the homeowner.



**Chino Basin Water Conservation District
is here to help you with your landscape!**

Free

MULCH & COMPOST

**February 7 & 21
March 7 & 21
April 4 & 18
9 a.m. to Noon**



—**Self-serve event:** Load your own free mulch and compost—

—**Bring your own tools/container:** Pitchfork for mulch, shovel for compost; bring **STURDY** containers (no plastic bags)—



Athens' compost is a blend of organic material, including food waste. It is OMRI listed®, licensed by the California Dept of Food and Agriculture, and approved for use in agricultural operations certified organic under the USDA National Organic Program.

Donated by Athens Services

This mulch is a mix of local tree trimmings. Mulch helps conserve water by reducing evaporation in the soil, helps build soil structure, inhibits weed growth, and much more.

Donated by Green Army



FMI call 909-626-2711 or visit cbwcd.org.

Landscape Programs

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Recycled Water Conversion Incentive

Recycled Water Conversion Incentive Program

California's water supply continues to be a concern due to projected population increases, warming climate trends, and intermittent drought conditions. Heightened awareness has increased interest in water conservation and the use of reclaimed water for groundwater recharge, industrial uses, and irrigation. The District's recycled water conversion program continues to offer financial assistance to convert publicly owned parks and schools within the District boundaries from using potable (drinking) water to recycled water to irrigate their outdoor landscaping.

The District's involvement with the Recycled Water Conversion Incentive Program began in Fiscal Year 2008-2009 with the conversion of its own Demonstration Garden and Wilderness Park to recycled water. During Fiscal Year 2012-2013, the District assisted six schools (Corona Elementary, Del Norte Elementary, Vineyard Elementary, Vina Danks Middle School, Valley View High School and Alternative Education Center) and one park (Veterans Park) in converting to recycled water for landscape irrigation in the amount of \$90,259.

Since the program's inception, the District has expended a total of \$260,230 assisting 27 projects in converting to recycled water for landscape irrigation. The following 27 completed projects consist of thirteen parks and fourteen schools, all within the District's boundaries.

- *CBWCD (\$6,025)*
 - *Wilderness Park/Demonstration Garden*
- *Ontario-Montclair School District (\$120,059)*
 - *Arroyo Elementary School*
 - *Elderberry Elementary School*
 - *Kingsley Elementary School*
 - *Lehigh Elementary School*
 - *Mariposa Elementary School*
 - *Monte Vista Elementary School*
 - *Vernon Middle School*
 - *Wiltsey Middle School*
 - *Corona Elementary*
 - *Del Norte Elementary*
 - *Vineyard Elementary*
 - *Vina Danks Middle School*
- *City of Montclair (\$26,022)*
 - *Alma Hofman Park*
 - *Golden Girls Park*
 - *Kingsley Park*
 - *Saratoga Park*
 - *Sunrise Park*
 - *Sunset Park*
- *City of Ontario (\$78,874)*
 - *Anthony Munoz Park*
 - *Ontario Motor Speedway Park*

- *John Galvin Park*
- *Grove Memorial Park*
- *Vineyard Park*
- *Veterans Park*
- *Chaffey Union High School District (\$29,250)*
 - *Valley View High School*
 - *Alternative Education Center*

Information Resources

~

Website

New Website Launched
January 2014



Search



CHINO BASIN WATER CONSERVATION DISTRICT



ON THE FOREFRONT OF WATER CONSERVATION SINCE 1949

Visit Our Gallery



Request Information

For Kids

For Educators

Plan a Visit

Learn About Water

Indoor Tips

Outdoor Tips

Rebates & Incentives

Water Wise Landscaping

[Home](#) > [Water Conservation Resources](#)

WATER CONSERVATION RESOURCES

Why Conserve?

Southern California naturally has an arid climate. Imported water from the Sierra Nevada Mountains, the Colorado River, and other sources allowed for exponential growth and prosperity; however, we are deeply aware of our water supply's limitations as well. Drought conditions and environmental problems are reducing water deliveries to many cities, farms, and businesses.

California's population growth is estimated to reach 60 million by 2050 and rainfall is expected to decrease. There is an immediate need for Californians to reduce their water use and the best way to do this is to conserve. The district was founded by a group of farmers who saw this need in the 1940s. We continue their legacy of conservation today.



Stay Informed



Take A Class



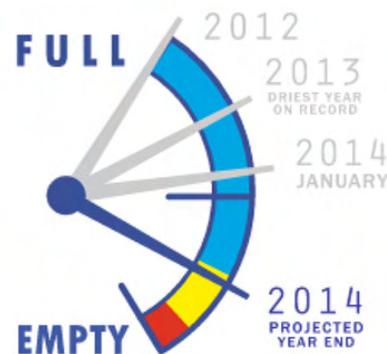
Share Your Idea

Drought in 2014

To keep track of local agencies' responses to the drought emergency in California, the Association of California Water Agencies has provided this interactive map: [ACWA Agency Response Map](#).

The Pacific Institute has an entire website dedicated to the drought situation in California. Take a look through the pages and dive into this complex issue: [Pacific Institute: California Drought Site](#).

The US Drought Monitor provides an overview of drought conditions throughout the United States. You can click the various states to see drought conditions in each region and state: [US Drought Monitor](#).



Provided Courtesy of
The Metropolitan Water District
of Southern California



Search



CHINO BASIN WATER CONSERVATION DISTRICT



ON THE FOREFRONT OF WATER
CONSERVATION SINCE 1949

Visit Our Gallery



Request Information



For Kids



For Educators



Plan a Visit

Education Grant

Poster Contest

For Kids

For Teachers

Water Education
Organizations & Resources

Water Education Water
Awareness Committee

[Home](#) > [Education](#)

EDUCATION

One of our main directives is to help educate the public about why it's so important to conserve water. Our programs geared towards kids get them off to an early start so they will be life-long stewards of the resources they have available. In these pages you will find many ideas, links, materials, and information to help carry out our mission of water conservation education.

CBWCD was recently featured in [Storm Water Solutions Magazine](#) for its education efforts! You can [read the story here](#).

CALENDAR

THU JAN. 1

[Education Grant Application Opens](#)

THU JAN. 29

[WEWAC Water Scholars Program Application Due](#)

MON FEB. 9

[Annual Water Conservation Poster Contest: Winners Recognized at Board Meeting](#)

THU MAR. 12

[Entries due for Water Conservation Campaign: Broadcast & Digital Media](#)

[VIEW ALL](#)



Stay Informed



Take A Class



Education Quick Links

- [Find Water Conservation Tips](#)
- [Find Teaching Materials and Resources](#)

Information Resources

~

Demonstration Garden
Brochures &
Tree Pamphlets



'Brakelights' Red Yucca in bloom



Pink Texas Ranger flower highlighted by grey-green foliage.



Slipper Flower - a low water use succulent that also does well in pots



Octopus Agave - a large, rambling agave that flowers once and then dies



Sandpaper Verbena in bloom



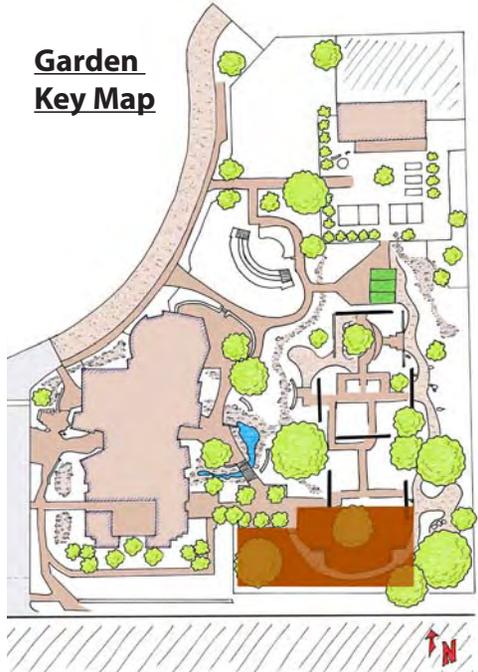
Queen Victoria Agave - a small, compact agave



Model Garden Overview

The American Southwest is a desert area with very little rainfall, high heat, blazing sun and generally poor but well drained soils. The plants found in our model garden are all well suited to a desert climate such as we find in the Southwestern US, though the plants themselves may be from other desert areas around the world. When desert adapted plants are used in a residential garden, they must have very well drained soil and extremely limited irrigation.

This model garden is the most water wise and drought tolerant of our model gardens. Many of the plants, when mature, can survive with no supplemental water, yet provide beautiful year round texture and often spectacular and colorful spring blooms.



Southwestern Model Garden Location

Key Features

- Extremely low water use Garden type
- Plants are often slow growing
- Vibrant spring flowers with interesting year round plant structure
- Requires well drained soil & gravel mulch



Sea Lavender - a wonderful showy plant whose flowers wave in the breeze as if they were in water



A Cigar Plant - so named for the shape of its flowers which attract hummingbirds



Green Euryops - a large shrub with interesting leaves and pretty flowers



White flowering Crape Myrtle - the bark provides interest year round



Kumquats - a tart treat that can be eaten whole



White Gaura - a good attractor of butterflies



RESIDENTIAL MODEL GARDEN D

Model Garden Overview

This 1,500 square foot Model Garden uses architectural pottery to add color and interest to an outdoor room. This strategy could be used to define an eating or relaxing space outside a kitchen or dining room, or it could be used in a small scale yard outside an attached home or in a planned community. The pots are treated as furnishings and are irrigated with drip irrigation fed from below. The edges of the room are bounded by a compact myrtle hedge which provides definition of the space and flowers in season.

Two citrus trees will provide some shade, and will yield a crop of delicious Meyer Lemons and Kumquats to snack on or to flavor a summer salad. Fragrant sages and other flowering plants attract hummingbirds and butterflies.

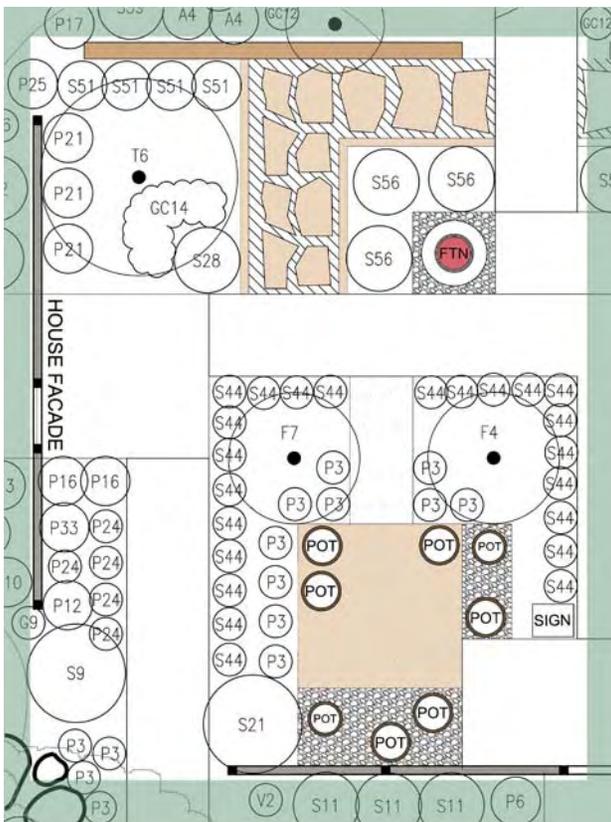


Garden Key Map

Residential Model Garden D Location

Key Features

- Architectural pots with succulents
- Gravel mulch and pervious pavements
- Fruit trees
- Plants to attract hummingbirds and bees
- Decorative recirculating fountain



Key Plants of Residential Model Garden D (not all plants listed)

Scientific / Common Names		Mature Height	Mature Width	Water	Sun	Flowers	Wildlife	Other
Trees								
T6	<i>Lagerstroemia hybrid</i> 'Natchez' White Flowering Crape Myrtle	25 ft.	12 ft.	High Water	Full Sun	Su		showy bark
F4	<i>Citrus sinensis</i> 'Meyer's Improved Lemon' Meyer Lemon	6-12 ft	8-15 ft.	Moderate Water	Full Sun	Sp	Birds	frgrnt bloom
F7	<i>Fortunella margarita</i> 'Nagami' Nagami Kumquat	6-15 ft.	6-15 ft.	Moderate Water	Full Sun	Sp	Birds	frgrnt bloom
Shrubs								
S9	<i>Buddleja davidii</i> 'Black Knight' Butterfly Bush	6-8 ft.	4-6 ft.	Moderate Water	Partial Sun	Su	Bf	
S21	<i>Chamaelacium uncinatum</i> 'Matilda' Geraldton Wax Flower	6-8 ft.	6-8 ft.	Moderate Water	Full Sun	W		showy bark
S28	<i>Euryops pectinatus</i> 'Viridis' Green Euryops	3 ft.	4 ft.	Moderate Water	Full Sun	Sp, Su	F	
S44	<i>Myrtus communis</i> 'Compacta' Compact Myrtle	2-3 ft.	2-3 ft.	Moderate Water	Partial Sun	Su		
S51	<i>Raphiolepis indica</i> 'Ballerina' Ballerina Indian Hawthorn	2 ft.	4 ft.	Moderate Water	Partial Sun	F, W	Sp	bees
S56	<i>Rosa floribunda</i> 'Iceberg' Iceberg Rose	4-6 ft.	3-5 ft.	High Water	Full Sun	Sp, F		
Perennials								
P3	<i>Agapanthus africanus</i> 'Storm Cloud' Lily-of-the-Nile	2 ft.	2 ft.	Moderate Water	Partial Sun	Su	Hb	
P12	<i>Cuphea ignea</i> Cigar Plant	1 ft.	1 ft.	High Water	Partial Sun	Sp, Su	Hb	F
P16	<i>Erigeron karvinskianus</i> Santa Barbara Daisy	1-2 ft.	3 ft.	Moderate Water	Partial Sun	All	Bf	
P21	<i>Gaura lindheimeri</i> 'Whirling Butterflies' White Gaura	3 ft.	2-3 ft.	Moderate Water	Full Sun	Sp, Su	Bf	bees
P24	<i>Limonium perezii</i> Sea Lavender	3 ft.	3 ft.	High Water	Full Sun	Sp, Su	bees	
P25	<i>Lobelia laxiflora</i> Mexican Bush Lobelia	3 ft.	3-6 ft.	Low Water	Partial Sun	Su	Hb, Bf	poison leaves
P33	<i>Phormium</i> 'Guardsman' Guardsman Flax	5-6 ft.	7-8 ft.	Moderate Water	Partial Sun	NA		
Groundcover								
GC14	<i>Stachys byzantina</i> Lamb's Ear	1- 1.5 ft.	Spread'g	High Water	Partial Sun	Sp, Su		fuzzy leaves

Legend: always verify planting requirements with your Sunset Western Garden Book

● Full Sun ● Partial Sun ● Shade
●●●● High Water ●●● Moderate Water ●● Mod/Low Water ● Low Water
 Sp = Spring Su = Summer F = Fall W = Winter All = Year-round NA = Inconspicuous / rarely flowers
 Hb = Hummingbird Bf = Butterfly medic. = Medicinal uses indig. = important to Native Americans

Features of the Residential Model Garden D

Plants: This garden uses many water-wise plants with showy flowers that attract hummingbirds, bees and butterflies. The plants bloom regularly throughout the growing season, and provide a backdrop for the succulents in architectural pots. The lively perimeter plantings provide a counterpoint to a more structured outdoor room bounded by a myrtle hedge and anchored by two fruit trees. This landscape uses very little supplemental water due to its careful plant selection and use of pervious pavements accentuated by a few signature elements.

Irrigation: Drip irrigation is used throughout this garden including in the pottery.

Surfaces: Organic mulch is used in all planting areas. Walking surfaces within the garden are decomposed granite, decorative gravel, broken recycled concrete and landscape pavers.

Special: A decorative recirculating fountain provides visual interest, a soothing soundscape and water for wildlife. The fountain is selected to have low flow and minimal splash to limit water use. An underground basin captures the water and limits evaporation.



Stone Urn recirculating fountain



Butterfly Bush - a favorite of its namesake



An outdoor room defined by plants in pots



PALO VERDE

Cercidium 'Desert Museum'

21



PALO VERDE

Cercidium 'Desert Museum'

21

Scientific Name: *Cercidium 'Desert Museum'*

Common Name: Palo Verde

Size: 25' tall x 25' wide

Deciduous / Evergreen: Drought-deciduous

Leaves / Flowers: Long light green leaves. Yellow flowers in spring and summer.

Exposure: Full sun

Water: Little to moderate water

Origin: Hybrid cross of Blue Palo Verde and Mexican Palo Verde

Sunset Zones: 8-14, 18-20

Maintenance: Do not overwater. Prune to shape, especially lower hanging, and crossing branches.

Comments: Thornless hybrid of three parent trees from our southwestern deserts: *C. microphyllum*, *Parkinsonia aculeata*, *C. floridum*. Relatively fast growth.



AUSTRALIAN WILLOW

Geijera parviflora

38



AUSTRALIAN WILLOW

Geijera parviflora

38

Scientific Name: *Geijera parviflora*

Common Name: Australian Willow

Size: 25-30' tall x 20' wide

Deciduous / Evergreen: Evergreen

Leaves / Flowers: Narrow willow-like leaves. Small clusters of white flowers in spring and fall.

Exposure: Full sun

Water: Little to moderate water

Origin: Australia

Sunset Zones: 8, 9, 12-24

Maintenance: Prune young trees to develop strong structural branches.

Comments: Extremely drought tolerant with weeping branches.



Accolades

District Featured in an Article
in a National Publication

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Storm Water Solutions

June 2014

“Water for the People”

JUNE 2014

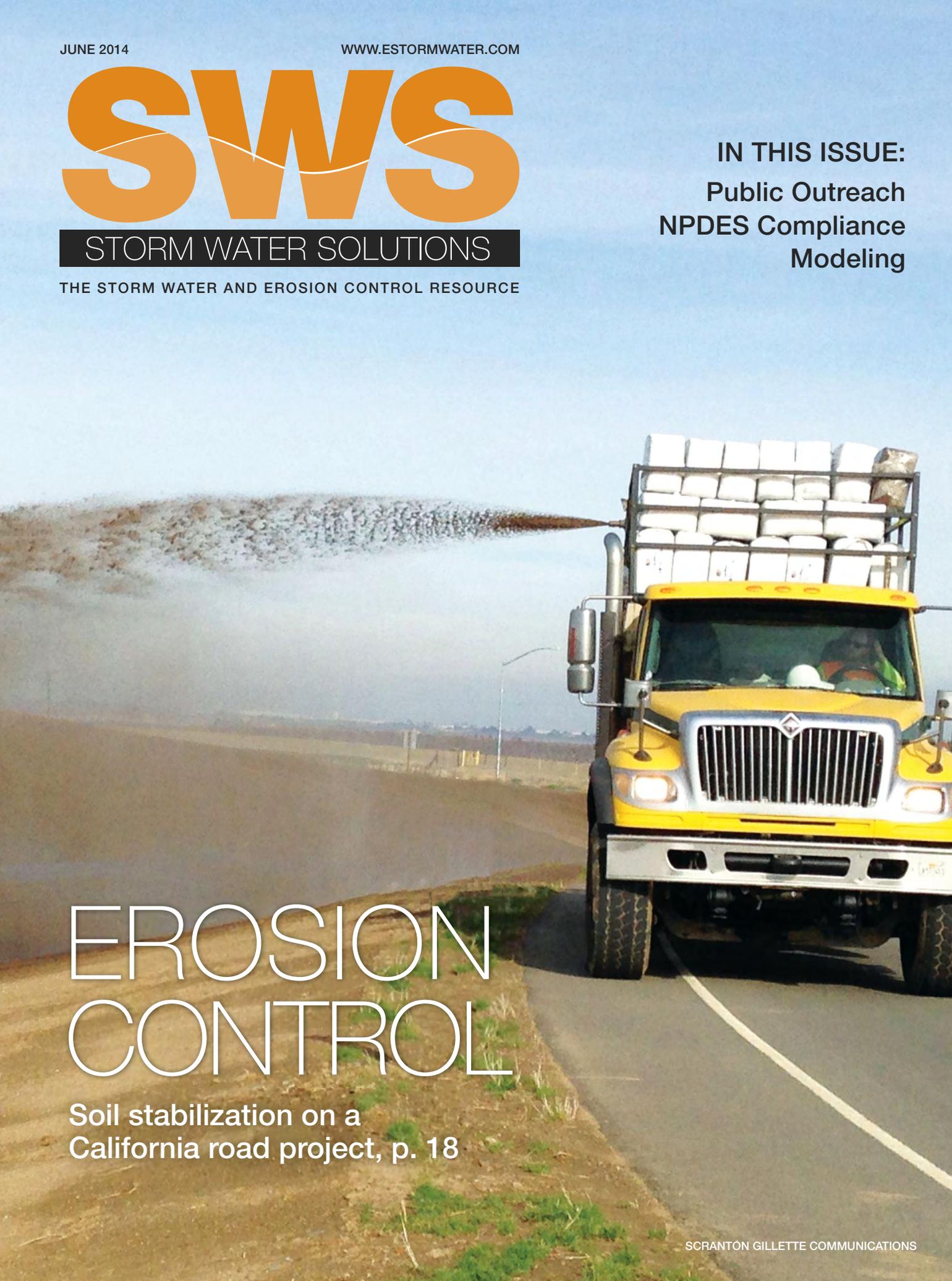
WWW.ESTORMWATER.COM

SWS

STORM WATER SOLUTIONS

THE STORM WATER AND EROSION CONTROL RESOURCE

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Public Outreach
NPDES Compliance
Modeling



EROSION CONTROL

Soil stabilization on a
California road project, p. 18

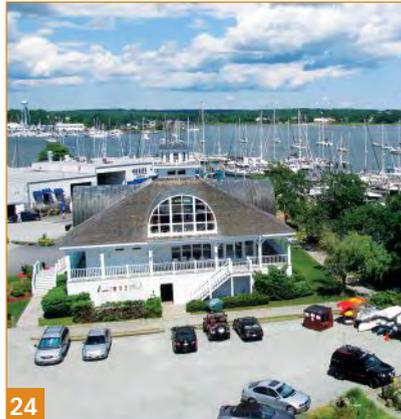


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On the Cover: Hydraulic growth medium on a DOT jobsite (see page 18).

WATER FOR THE PEOPLE



Approachable conservation at a Southern California demonstration facility

By Liane Veenema

California experienced a record dry year in 2013. Many cities received only half the precipitation of their previous driest years. Los Angeles received 3.6 in. of rain—24% of the average yearly rainfall for the city of 13 million, and just 0.18 in. more than the historically driest U.S. city: Yuma, Ariz., population 100,000. The exceptional drought continues for a third year into 2014, with the snowpack in the Sierras approximately 30% of the normal amount and reservoirs statewide approximately 40% full.

With water restrictions already in effect and a hot, dry summer still to come, the drought has sharply raised Californians' awareness of water issues. According to a recent survey by the Public Policy Institute of California, "A record-high share of Californians say the supply of water is a big problem in their part of the state, and nearly all residents say they have reduced their water use in response to the drought."

The Chino Basin Water Conservation District (CBWCD), located in Montclair, Calif., is playing a major role in providing the resources and education that people and businesses need to conserve water. Originally formed by farmers and concerned citizens as a water protection agency in 1931, this governmental special district in Southern California encompasses roughly 112 sq miles and serves 431,000 people in the Inland Empire. The district's mission is to protect the

underlying Chino Groundwater Basin and educate the public about water conservation and groundwater protection. The district accomplishes this by maintaining eight percolation basins in the area and providing learning materials, demonstration facilities, water audits, educational workshops, field trips and more to the public.

District Efforts

Timed perfectly to coincide with the increased public awareness of water issues, CBWCD recently completed a significant upgrade of its 5-acre Water Conservation Center Campus in Montclair, with an emphasis on residential-scale demonstrations and education about storm water capture, small-scale percolation strategies, water-efficient development and water-wise landscaping. The strategies implemented in the project are designed to minimize the water used on site and capture and percolate 100% of the runoff of an average winter storm.

"We partnered with the district to design a campus that educates the public through active and passive means," said Jeffrey Veenema of the Claremont Environmental Design Group, architects for the project. "The high-tech classrooms, educational exhibit in the lobby and the public design room provide for guided learning, while the site and building are designed to educate the public about water conservation from the moment of arrival."

Education begins right away as the



Clockwise from top left: A school tour group looks at a CBWCD percolation basin; a CBWCD adult education workshop; a full swale after a downpour on the CBWCD property; and educational signage outside the rain scupper.



public encounters four different examples of low impact development pavement strategies in the parking lot: pervious concrete, pervious asphalt, pervious pavers and integrated bioretention collection areas. Each of the pervious pavements overlay 18 to 24 in. of engineered gravel storage and are arranged to provide development professionals and the public with a comparison between the differing materials in details, aesthetics and function over time. The parking lot is a good example of CBWCD’s multifaceted approach to education and outreach. The lot serves as the site of a storm water percolation demonstration activity for fifth-graders during the district’s annual Earth Day event, a discussion and demonstration topic on guided public tours, a daily learning opportunity with permanent

explanatory signage, and an outreach opportunity through documentation and practical implementation information provided to the local construction and development communities.

Education continues in the 1,200-sq-ft lobby exhibit, which covers topics ranging from the history of the local water to water issues in California, to water-wise landscaping and personal responsibility to conserve water. This exhibit provides information at many different learning levels and interactive learning opportunities for both adults and children. The exhibit is designed to inspire visitors to be active and educated participants in the California water discussion and in local conservation efforts. It serves as the link between visitors’ general passive understanding of water issues—which

is important—and their ability to take actions to conserve and preserve water.

“People know that conserving water is important and they generally want to do the right thing, but they often don’t know how,” said Eunice Ulloa, general manager of CBWCD. “Most people don’t realize that their landscapes are typically 60% of their water use. When they learn that, they want to change, and we’re here to show them how. Our classes and our residential model gardens give them the tools they need, and show them how to do effective, water-wise landscaping beautifully.”

Bringing the Ideas Home

CBWCD’s 1.5-acre demonstration garden is designed to boil down the large concepts of water conservation into an

easily digestible form for the residential homeowner. The garden holds many examples so visitors can see what a rain barrel, bioswale, permeable pathway and other permeable surfaces might look like in their own landscapes. Accompanying these strategies is detailed signage to educate the public about the storm

water mitigation approach and how people can apply that strategy on their own properties.

Throughout the garden, steel sculptural frames that evoke house façades provide artistic interest and a sense of scale for plants, swales and rain barrels. The garden demonstrates a distributed

collection approach that closely mirrors a residential landscape and allows the public to see the connection between the area of tributary impervious surface and its impact on the collection size and strategy in a way that they can take back to their own homes. The distributed approach to collection and percolation also limits earthwork, fits bioretention basins into underutilized areas, and allows the basins to be constructed with a standard backhoe or even by hand, thus reducing the cost and optimizing retention volumes and percolation potential for smaller-scale sites.

For those residents who want additional practical help, CBWCD holds workshops about water-wise landscaping, efficient irrigation, and good maintenance and composting practices.

Effective education mixes inspiration with implementation. When the public is inspired to act by something like a drought, it needs the tools and know-how to take effective steps. The real goal for every organization with a long-term view, however, is to take the pressure of immediacy in an emergency and translate it into long-term implementation and personal responsibility. The Water Conservation Center is an investment in this long-term vision, and its aim is to provide resources and inspiration to the community for years to come. **SWS**

Liane Veenema is community outreach and education coordinator for Chino Basin Water Conservation District. Veenema can be reached at lveenema@cbwcd.org or 909.267.226.

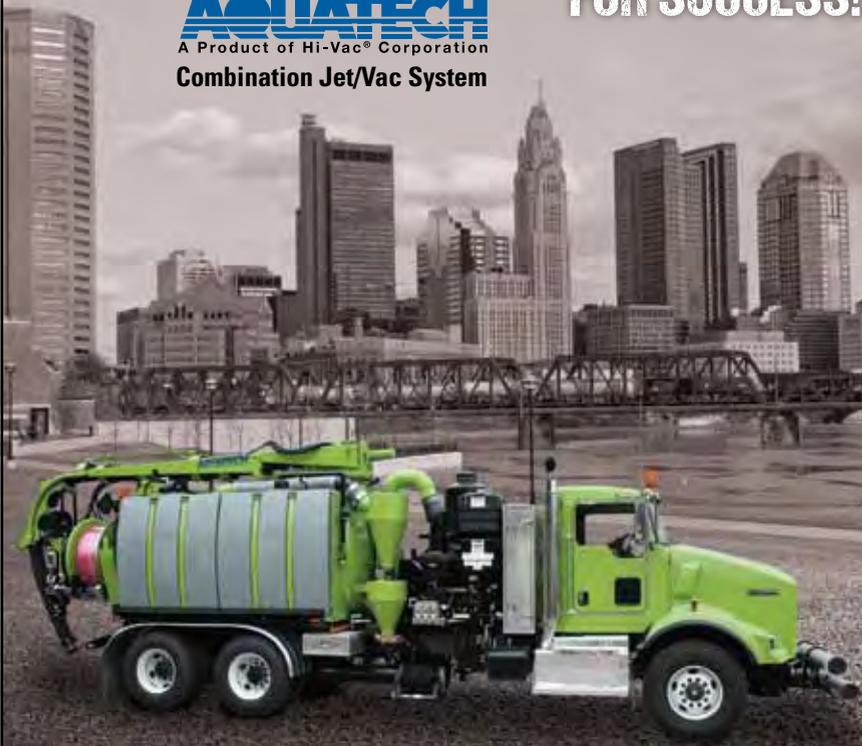
Chino Basin Water Conservation District would like to recognize the following partners: architect: Claremont Environmental Design Group Inc.; civil engineer: Michael Gentile, P.E.; exhibit designer: Universal Exhibits; general contractor: Sea West Enterprises Inc.; and pervious concrete: RC Construction Services Inc.

For more information, write in 803 on this issue's reader service form on page 49.

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Accolades

Recognition



List of Certificates of Recognition
presented at February 1, 2014
Dedication Ceremony

List of Good Government Award
Certificates of Recognition presented
at December 4, 2014 BIA Charity Gala

Letters of Support, 2014 (solicited)

PRESENTATIONS TO CBWCD DURING THE FEBRUARY 1, 2014 DEDICATION

- Congresswoman Gloria Negrete McLeod
- California State Senator Norma Torres
- California State Assemblymember Chris Holden, 41st District
- California State Assemblymember Freddie Rodriguez, 52nd District
- California State Assemblyman Curt Hagman, 55th District
- San Bernardino County Supervisor Gary Ovitt, 4th District
- City of Montclair: Mayor Paul Eaton
- City of Chino: Mayor Dennis Yates
- City of Upland: Mayor Ray Musser
- Montclair Chamber of Commerce
- Chino Valley Fire District: Ed Gray, Vice President
- Cucamonga Valley Water District: Kathy Tiegs, Director
- Monte Vista Water District: Tony Lopez, Vice President
- Three Valleys Metropolitan Water District: Brian Bowcock, Director

To come: a Resolution from the Board of Directors of the Inland Empire Utilities Agency

2014 BIA Good Government Award **Certificates of Recognition**

- Curt Hagman, Assemblymember, 55th District
- Freddie Rodriguez, Assemblymember, 52nd District
- Dennis Yates, Mayor and City Council of the City of Chino
- San Bernardino County
 - Robert Lovingood, First District Supervisor
 - Janice Rutherford, Chair, Second District Supervisor
 - James Ramos, Third District Supervisor
 - Curt Hagman, Fourth District Supervisor
 - Josie Gonzales, Fifth District Supervisor



Chino Basin Water Conservation District
4594 San Bernardino Street
Montclair, CA 91763

Contact: Liane Veenema
Tel.: 909-267-3226
Email: lveenema@cbwcd.org

For Immediate Release

CBWCD Recognized with BIA 'Good Government' Award at Charity Gala

Inland Empire (December 2014) – The Building Industry Association Southern California Baldy View Chapter honored the Chino Basin Water Conservation District with its 'Good Government' award during its annual Holiday Charity Gala on Thursday, December 4. This award recognizes CBWCD's educational services and outreach around water conservation.

While presenting the award, the 2014 BIA Baldy View Chapter President Terry Kent highlighted CBWCD's efforts to increase water conservation, with the district's Water Conservation Center Campus taking center stage. Completely renovated last year, the campus has been busy over the summer and into the fall as California's record drought stretches on. Features of the campus include examples of best practices for low impact development and environmental design, water wise plants for home and commercial landscapes, workshops for homeowners, and much more.

Mr. Kent lauded CBWCD's investment in education, stating, "The best way for us to conserve water is by educating the community ... about different water conservation options. The CBWCD remains at the forefront of such education efforts and we're thankful for their leadership."

The Water Conservation Center Campus is free and open to the public, 8:00 a.m. to 5:00 p.m., Monday through Saturday. It is located at 4594 San Bernardino Street, just west of Monte Vista Avenue and south of the 10 Freeway, in Montclair. For more information, visit www.cbwcd.org or call **909-626-2711**.

#

The Chino Basin Water Conservation District is a public agency whose goal is the protection of the Chino Groundwater Basin in order to guarantee that current and future water needs will be met. The Basin is protected by the capture and percolation of waters through the District's network of channels, basins and spreading grounds. Water conservation education is provided to the individuals and organizations within the service area to further promote the efficient use of our water resources.

2014 LETTERS OF SUPPORT

First	Last	Organization	Title
Colleen	Biden	Ontario High School	Art Teacher
Doyle	Book	re: care of front yard	
Terry	Catlin	IEUA	President
Adonis	Cutchlow	re: WBIC	
Mary	Duran	re: WBIC	
Paul	Eaton	City of Montclair	Mayor
Dave	Ficke	CREEC	Chair CREEC Region 10 RIMS
Debra	Gomez	re: Earth Day, WBIC	
Kathy	Havert	re: CREEC, Project WILD, Project Learning Tree	
Pam	Johnson	Inside the Outdoors	Executive Director
Carla	Kimball	Vina Danks Middle School	Teacher
Randall	Lewis	Lewis Companies	Executive Vice President
Chris	Liske	Cal Recycle// EEI	EEI
Susan/ Colleen/ Debbie	Mach/ Biden/ Jones	Ontario High School	Visual Arts Instructors
Willam	McClane	Future of Entertainment Enterprises	
Craig	Misso	Ontario Montclair School District	Director, Facilities Planning and Operations
Bill & Marlene	Morgan	re: Mt Sac gardening class	
Ray	Musser	City of Upland	Mayor
Gloria	Negrete McLeod	Congresswoman	
Maria & Ron	Ochoa	re: wilderness park, landscape audit, workshops, garden	
Carlos	Rodriguez	BIA	CEO
Freddie	Rodriguez	Assemblymember	(emailed Fabian Naranjo Gonzalez, his rep)
Sandra	Rose	MVWD	President
Frank	Simpson	Department of Landscape Architecture, UCLA and Rancho Santa Ana Botanic Garden	Professor
Mary Jane	Sinkwich	Chino High School	Art Teacher
Nancy	Steele	Council for Watershed Health	Executive Director
Jeffrey	Veenema	Claremont Environmental Design Group	Associate
Jeremy	Witcher	re: classes, landscape audit	
Dennis	Yates	City of Chino	Mayor

February 5, 2014

To whom it may concern,

It is my pleasure to write a letter in support of the Chino Basin Water Conservation District and their important connection to the community. I have had the pleasure of working with them over the past 7 years as a teacher and living near their site for the past 5 years.

My first experience was participating in their annual water conservation poster contest. It is an awesome opportunity to tie together art production with ecology and water conservation issues. It has opened the door to many conversations with students about the importance of water conservation and taking care of their community, while offering them an opportunity to use their artistic talents to express their ideas.

After dropping off student artwork at their site, I learned more about the programs/facility/gardens/assistance offered to the community at large. My husband and I have returned to look at native plants and trees as we landscape our yard to be more water wise. We have attended workshops on irrigation, picked up information on landscaping possibilities and retrieved mulch from their lot for use in our yard.

With all of the new renovations on the garden and the adjoining park I believe that they will continue to offer a valuable service to the surrounding community. The more people that know about this site, the faster we as a community can preserve and conserve the precious resources that we have here in Southern California.

Sincerely,

Colleen Biden
Art Teacher at Ontario High School
colleen_biden@cjuhsd.net

February 5, 2014

TO WHOM IT MAY CONCERN

Re: Commendation for the Chino Basin Water Conservation District

This letter is to say how pleased I am with the work that the CBWCD has done on our front yard.

They were efficient in their care for the plants. The staff who came several times to make sure everything was all right were extremely courteous and helpful. Likewise, the workers were quick to replace several plants that, for some reason, did not grow as expected.

I am grateful and delighted for the care and courtesy that the members of CBWCD have extended to us. The quality of their work is beyond what I had expected.

Sincerely,

Doyle C. Book
247 Euclid Place
Upland, CA 91786

RECEIVED

FEB - 5 2014

**CHINO BASIN WATER
CONSERVATION DISTRICT**



Inland Empire Utilities Agency

A MUNICIPAL WATER DISTRICT

6075 Kimball Ave, • Chino, CA 91708
P.O. Box 9020 • Chino, Hills, CA 91709
TEL (909) 993-1600 • FAX (909) 993-9000
www.ieua.org

February 10, 2014

Ms. Eunice Ulloa
General Manager
Chino Basin Water Conservation District
4594 San Bernardino Street
Montclair, CA 91763

RECEIVED

FEB - 8 2014

**CHINO BASIN WATER
CONSERVATION DISTRICT**

RE: Letter of Support for the Chino Basin Water Conservation District

Dear Ms. Ulloa:

I would like to express Inland Empire Utilities Agency's support for the Chino Basin Water Conservation District (CBWCD) and the role it plays in the community. CBWCD serves as a resource for the local community and businesses alike through its Water Conservation Center Campus. The campus is designed with educational opportunities throughout the entire facility including the demonstration parking lot, educational exhibits in the lobby, interpretive signs in the garden, landscaping workshops, and the children's garden and education building.

As we enter into what could be considered one of the most severe droughts of our time, it is imperative that we all learn how to do more with less. Southern Californians have done a good job reducing their water usage, but more can and needs to be done. A majority of the water used is outdoors on landscaping. The CBWCD provides tools to help the community reduce their water usage through workshops that highlight water-wise landscaping. Through the work of the CBWCD, the community can do their part to help sustain our region's water supply.

Children are not only the leaders of tomorrow, they are the leaders of today. It is imperative we provide them with the tools they will need to have a safe and reliable water future. The CBWCD provides educational opportunities through tours and field trips to local school children creating life-long water savers. The District's work to create engaging and educational field trips proves to be a valuable resource for teachers and children alike.

The CBWCD provides an important service to our basin and we value the services and support the CBWCD provides to the community and region at large. Please feel free to contact us with any questions

Sincerely,

INLAND EMPIRE UTILITIES AGENCY

Terry L. Catlin
Board President

Water Smart – Thinking in Terms of Tomorrow

Terry Catlin
President

Michael E. Camacho
Vice President

Steven J. Elie
Secretary/Treasurer

Gene Koopman
Director

Jasmin A. Hall
Director

P. Joseph Grindstaff
General Manager

From: Adonis Cutchlow [mailto:acutchlow@yahoo.com]
Sent: Thursday, February 06, 2014 3:49 PM
To: Angelica Arellano
Subject: Re: Letter of Support

Dear Angelica Arellano

I am writing this letter as a commendation for Chino Basin Water Conservation District. I would like to thank you and all your fellow workers for the help and assistance given to me. I was advised of a program sponsored by your department which I took advantage of and your department was quick to respond. I received quality equipment with free weather based controllers with instructional classes. The information and a product line were quality parts. The classes were invaluable and given at a time that was of my choosing. I learned a lot and I am trying to apply what I learned.

I was not aware of the extensive training I would receive by obtaining the equipment but I feel it was well worth it. I enjoyed the classes given on water conservation and landscaping. The instructors were knowledgeable and well versed in the subjects given. The classes had valuable information about conservation. I could see the value of the Chino Basin Water Conservation District and how necessary it is to be aware of conservation. I enjoyed your water wise education garden. I could see the value of using water tolerant plants to conserve water. There was considerable information given.

I received equipment that was top of the line not cut rate. The installers placed the equipment and installed it in short time. They were very thorough about surveying my yard and advising me of the problem areas and how those problems could be rectified. They went through the equipment and how to use it. They answered all my questions and later when I had a problem they came back to my home to see what the problem was and took care of the problem. I am happy with the service I received and with the helpfulness of your department. When I had to call my call was returned in short time without a long wait.

I am happy with your department and I want to thank you for your service.

Sincerely

Adonis Cutchlow

From: meduran@verizon.net [mailto:meduran@verizon.net]

Sent: Tuesday, February 04, 2014 12:54 PM

To: Angelica Arellano

Subject: Thank You for Your Support

Hello Angelica,

Just wanted to take the time to thank you for your community support installing Free weather based controllers. The class were very informative on how to keep your lawn manicured. The weather based controller has brought my water bill down tremendously.

The landscape audit was very helpful informing me which sprinklers were not supplying enough water to the lawns.

The educated staff was very helpful in assisting me in converting my landscape to conserve water.

I've enjoyed the wilderness park which has over 30+ types of trees, which shows the public to physically see tree specimens in order to determine which type would be suitable for their home use.

Please keep me informed of any future classes or information in conserving water.

Thank you ~

Mary Duran

1651 S. Cypress

Ontario, CA 91762

Letterhead
original was mailed
directly to LAFCO

February 6, 2014

Ms. Kathleen Rollings-McDonald
Local Agency Formation Commission (LAFCO)
215 North D Street, Suite 204
San Bernardino CA 92416-0490

Dear Ms. Rollings-McDonald

I am writing to express appreciation for the valuable service provided by the Chino Basin Water Conservation District (District) and its mission to preserve and protect the Chino Groundwater Basin (Basin)—the Basin is a primary source of potable water for the cities of Chino, Chino Hills, Montclair, Ontario, Rancho Cucamonga and Upland, and unincorporated areas of San Bernardino County.

Since its establishment in 1949, the District has actively protected and replenished the Basin with natural area rainfall and storm water discharge from the San Gabriel Mountains. Historically, cultural advancement in Southern California has been dependent on water from sources outside the region, and from local efforts designed to protect and replenish local reservoirs and groundwater basins.

The importance of water restoration efforts are apparent during times of drought, but only because of imposed restrictions on water consumption and media attention to the natural scarcity of water to our region. It is, however, the long-term mission of the District, and its sister agencies in other areas of the state, that is critical and central to the growth, development, and survivability of the Southern California life-style.

Recent government studies indicate affordable housing will continue contributing to population growth in the Inland Empire. Population growth adds to the critical and unique importance of the District and its capacity to replenish the Basin. Without the District's vital services, the supply capacity to local water districts would be severely taxed, and the cost to deliver precious water resources would adversely impact the region's development and economic viability.

Contributions of the District go beyond the primary mission of replenishing the Basin. The District's role as a center for education and community outreach is well established—a role recently enhanced by the completion of a major facilities expansion at the District's office, located at 4594 San Bernardino Street, in Montclair. From this base of operation, the District has established itself as a vital resource for water conservation education, and as a center that actively demonstrates water protection and conservation practices.

February 6, 2014

Demonstration gardens provide visitors with unique landscape ideas that take advantage of natural flora and fauna requiring minimal maintenance and water consumption. These attractive demonstration gardens serve not only to educate residents and business operators in new landscape concepts, but also to provide land use regulators with a vital tool to promote effective concepts that respond to expanding regulations designed to minimize the flow of water into storm drain systems—runoff that not only wastes precious water resources, but functions as an effluent that contributes contaminants to rivers, the ocean, and reservoirs.

Classroom activities introduce water conservation concepts to grade school children. Studies demonstrate that children educated in water conservation carry these lessons throughout life. If Southern California is to effectively confront recurring water shortages, compounded by continued growth and development, educating and inculcating today's children with concepts of water conservation is essential to the region's future.

Education is a tool that often requires practical demonstration and regular reinforcement. In these areas, the District's office excels beyond any source available to the region. In design and execution, functional aspects of the District's headquarters serve as the very heart of water protection and conservation.

The permeable surface of the parking lot adjoining Wilderness Park and the District's office demonstrates a sensible and economic approach to achieving hardscape percolation and on-site storm water retention. The District's office also serves as a model of green-building efficiency capable of matching the LEED standards of the U.S. Green Building Council.

The City of Montclair is proud to be host community to the headquarters of the Chino Basin Water Conservation District. We consider the partnership between the District and the Montclair community to be an integral component to achieving a superior quality-of-life community standard, an educational guide for the protection and conservation of water as a natural resource, and an effective and essential tool for land management practices.

Sincerely,

Paul M. Eaton, Mayor

February 5, 2014

Local Agency Formation Commission
Attn: Kathleen Rollings-McDonald
215 North "D" Street, Suite 204
San Bernardino, CA 92416-0490

RE: Letter of Support for the Chino Basin Water Conservation District

Dear Commissioners:

I write today to lend support for the Chino Basin Water Conservation District (CBWCD). I have worked with CBWCD for over 20 years as an educator from Upland High School and as part of the California Regional Environmental Education Community Network Region 10 RIMS. The CBWCD provides valuable services in the region as an environmental education provider and is a unique asset for teachers, school districts and other educators.

Children's education figures prominently in the work carried out by the CBWCD. For the past 21 years the District has put on an annual Earth Day celebration for the area's 5th graders, bringing in instructors for hands-on activities and demonstrations. Before CBWCD's renovation project, the schedule was full with school tours and it is filling back up again. The District has developed standards-based curriculum where teachers can not only take their classes on an engaging, fun field trip, but also address the standards they are required to cover in the classroom. We are currently aligning our curriculum to Common Core and Next Generation Science Standards to better support the schools within our community. In this effort, the staff is dedicated to partnering with existing organizations to provide top-quality materials and resources for teachers. The District worked closely with CREEC Region 10 RIMS to get input on their new facilities as well as activities.

CBWCD's work with curriculum is just the beginning. Another rare and valuable facet of CBWCD's educational outreach is its dedicated education space for children. While most agencies in the area can provide curriculum such as Project WET and Education and the Environment Initiative (EEI) materials to teachers, the CBWCD can bring kids on-site to see, touch, feel and experience the various aspects of dirt, water, landscaping, acorns, aquifers, water quality, composting, and many other exciting topics, all in a beautiful natural environment that the Garden provides. The wilderness park, Demonstration Garden, Children's Garden and amphitheatre all introduce aspects of the outdoors that children in CBWCD's area might not otherwise experience. The dedicated education building provides a space to debrief and take the field trip indoors as needed.

The Chino Basin Water Conservation District fills a distinct role in the community in the educational sphere. I look forward to deepening the partnership between CREEC Region 10 RIMS and CBWCD to get the word out about environmental education.

Sincerely,

Dave Ficke
Chair CREEC Region 10 RIMS
EEI Teacher Ambassador Cal Recycle
Task Force Member developing a Blueprint for Environmental Education, Calif. Department of Education

From: debbie gomez [<mailto:dbgm9@msn.com>]

Sent: Tuesday, February 04, 2014 5:51 PM

To: Angelica Arellano

Subject: RE: Letter of Support

To Whom It May Concern:

I would like to thank the Chino Basin Water Conservation District for all the hard work they do for the community! I attended the Earth Day celebration and was very surprised at all the water saving tips I learned. I also signed up for the class to get my free weather based controller and how to use it. I also learned a lot about what plants were more drought-tolerant.

Juan Zamora and Angelica Arellano came to my house and did an audit (with pictures) of where my sprinklers were wasting water and let me know that at freesprinklers.com I could get some sprinklers that were more efficient for my yard.

Thank You CBWCD!!!

Debra Gomez

February 5, 2014

To the Local Agency Formation Commission,

For over eight years I have been familiar with the people and facilities of the Chino Basin Water Conservation District (CBWCD). During that time I have participated in the Earth Day event which brings a host of community members to the facility for educational purposes. When the renovation of the whole facility was planned I was also consulted to help with the necessary equipment and materials needed for the new Education Building. And, in March I will be presenting two different Environmental Education curricula to the teaching public in the education center. I have always found the staff and facility to be a wonderful source of water conservation information and very accommodating for workshops I will be doing.

One of the features of the facility that really has impressed me over the years is the Water-wise gardens and the trees available to view for water-wise planting. On a couple occasions, when I visited, I would overhear members of the community discussing the landscaping methods presented on the campus. Many were impressed with the ease at which they could understand how they too could utilize the method at their own homes.

The Chino Basin Water Conservation District has made an enormous contribution to educating the public with their gardens, displays, and activities. They are a unique and rare model of what a resource facility should provide for the surrounding community.

Sincerely,
Katharine M. Havert
Project WILD, Project Learning Tree and Project WET Facilitator



FOUNDATION

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Arnold Shugarman, Ph.D.
Consultant

February 6, 2014

Chino Basin Water Conservation Center
4594 San Bernardino Street
Montclair, CA 91763

To Whom It May Concern:

As the Executive Director of Inside the Outdoors and an Inside the Outdoors Board Member, my staff and I look forward to working more closely with the Chino Basin Water Conservation Center to educate children and families in the community. I would like to stress the importance of the unique programs and services of the center.

Each visitor benefits from the site. The visitor begins learning at the permeable surface of the parking lot, continuing on through the lobby exhibits, to the children's education building and garden. Some of the unique aspects of the site include the specialized design room for converting landscape to conserve water, as well as the wilderness park with 40 types of trees they could use in their home or business. There are also multiple opportunities to participate in workshops, meetings, field trips, and community programs. Some of the participants have included Cal Trans, 650 school children, San Bernardino County science teachers, and Scripps college students. I am very impressed with the wide array of residential classes and calendar of biweekly workshops. The facility is appealing, inviting and educational. I look forward to being more involved with the expansion of the educational opportunities.

I highly recommend the valuable, unique services and programs provided by the Chino Basin Water Conservation Center. Feel free to contact me if you have any questions or comments at 714-326-5775.

Sincerely,

Pam Johnson
Executive Director, Inside the Outdoors
Board Member, Inside the Outdoors Foundation

Sandi Woods

From: Angelica Arellano
Sent: Tuesday, February 11, 2014 9:33 AM
To: Sandi Woods
Subject: FW: Letter of Support
Attachments: scanned documents 2014 001.jpg

From: Carla Kimball [<mailto:Carla.Kimball@omsd.net>]
Sent: Thursday, February 06, 2014 11:09 AM
To: Angelica Arellano
Subject: RE: Letter of Support

I have attached the scanned copy of the letter. I hope it is helpful. If I need to change anything let me know.
Good luck!
I still need to come by to pick up the posters!
See you soon,
Carla

February 6, 2014

To Whom It May Concern,

I am writing this letter to express my appreciation for all the hard work and the genuine effort from those people who work with our schools at the Chino Basin Water Conservation District. For the last few years, my students have participated in the Water Conservation poster contests and I have nothing but admiration for the staff. We have learned the best ways to conserve water and help students express themselves through art, which is dear to my heart.

Angie Arellano has been especially helpful in the process and generous with her time in answering questions, and providing vital and unique information. Some teachers here at Vina Danks Middle School Keystone Academy have even taken their students on field trips to the Water Wise Education Gardens, Earth Day celebrations and last year some of our 7th grade students went to support the winner of the Water Conservation poster contest when he was awarded his prize. It was a wonderful experience for the winning student as well as his classmates and peers. These unique experiences help strengthen our community through our school children and we feel fortunate to have them available to us.

Thank you Chino Basin Water Conservation District, for making us at Vina Danks Middle School Keystone Academy feel special and well informed about water conservation and how it affects us all.

Sincerely,

A handwritten signature in cursive script that reads "Carla Kimball". The signature is written in black ink and is positioned above the typed name.

Carla Kimball
Art and Journalism Teacher
Vina Danks Middle School
Keystone Academy

Monte Vista

Dedicated to Quality,

Service and Innovation



Mark N. Kinsey
GENERAL MANAGER

February 4, 2014

Ms. Eunice Ulloa, General Manager
Chino Basin Water Conservation District
4594 San Bernardino Street
Post Office Box 31
Montclair, California 91763-0031

Congratulations on Opening of Water Conservation Center Campus

Dear Ms. Ulloa:

On behalf of Monte Vista Water District's Board of Directors and staff, congratulations on the opening of the Chino Basin Water Conservation District's new Water Conservation Center and Water Wise Demonstration Garden!

Our Board Members and staff who attended the opening ceremony this past Saturday reported a tremendously successful event. We were honored to present a small token of commendation for the impressive result of such a large undertaking. You, your Board of Directors, and your staff must be thrilled and proud of this great accomplishment.

We have already started to communicate with our customers and local educators about the enhanced conservation and education services your new facilities provide to the region. We are deeply appreciative of the significant service provided by Chino Basin Water Conservation District to our customers.

Once again, congratulations!

Sincerely,

Monte Vista Water District



Sandra S. Rose
President, Board of Directors

cc: Monte Vista Water District Board of Directors.

RECEIVED

FEB 10 2014

CHINO BASIN WATER
CONSERVATION DISTRICT

Water District

10575 Central Avenue, Post Office Box 71 • Montclair, CA 91763 • (909) 624-0035 • FAX (909) 624-4725 • www.mvwd.org

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Tony Lopez
VICE PRESIDENT

Philip L. Erwin
DIRECTOR

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DIRECTOR

Manny Martinez
DIRECTOR

Lewis Operating Corp.

1156 N. Mountain Avenue (91786) / Post Office Box 670, Upland, CA 91785-0670
Phone – (909) 946-7542 / Facsimile – (909) 931-5514 / randall.lewis@lewisop.com

February 7, 2014

Attn: Kathleen Rollings-McDonald
Local Agency Formation Commission
215 North "D" Street, Suite 204
San Bernardino, CA 92416-0490

RE: Letter of Support for the Chino Basin Water Conservation District

Dear Commissioners:

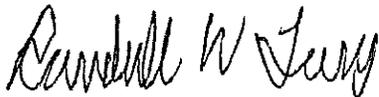
I write today to lend support for the Chino Basin Water Conservation District (CBWCD). As a business leader in the region, I recognize CBWCD's important role in the community to lead the way for water conservation efforts through its public education efforts and equally important, its demonstration facilities to shape the development industry's practices around water conservation.

Residents and businesses must change the way they conduct their water uses. The CBWCD is positioned to carry this message to our community and business leaders. Its mission is to percolate storm water and educate the public to conserve water, and it is uniquely equipped to do so: it is not beholden to water sales for revenue, and so it can purely carry out the job entrusted to it. This independence provides clarity of mission and allows the CBWCD staff to streamline its work to hone in on the important messages of water conservation.

Over the last few years, the CBWCD undertook the task of upgrading its facilities to better serve the community. The result, the Water Conservation Center Campus, is a resource for the entire Southern California region. This is the right demonstration facility at exactly the right time. In my industry, we need more purposeful development where the intent is not only to be smart with water, but also to teach and showcase best practices. I plan to utilize this facility in my work by bringing other industry leaders to see the physical examples of Low Impact Development best practices, energy efficiency, and sustainable building techniques used.

In order to respond to California's continuing drought and the growth of the Inland Empire, we need to rely more on institutions like the Chino Basin Water Conservation District to ingrain the message of water conservation as a lifestyle. I personally look forward to partnering with the CBWCD to integrate these practices into my industry, even looking beyond California to influence the nation's mindset around water.

Sincerely,



RANDALL W. LEWIS



California Education and the Environment Initiative

*Increasing Environmental Literacy for K–12 Students...
Because the Future is in Their Hands*

February 10, 2014

Local Agency Formation Commission
Attn: Kathleen Rollings-McDonald
215 North "D" Street, Suite 204
San Bernardino, CA 92416-0490

RE: Letter of Support for the Chino Basin Water Conservation District

Dear Commissioners:

I write today to lend support for the Chino Basin Water Conservation District (CBWCD). As an educator who travels the state to disseminate the Education and the Environment Initiative (EEI) curriculum, I can attest that the CBWCD has provided unique facilities that are an incredible resource for teachers and students in San Bernardino County that I have not seen duplicated very often.

Children's education figures prominently in the work carried out by the CBWCD. The District is working to create standards-based curriculum where teachers can not only take their classes on an engaging, fun field trip, but also address the standards they are required to cover in the classroom. In this effort, the staff is dedicated to partnering with existing organizations to provide top-quality materials, such as the EEI Curriculum and other resources for teachers. In November, the CBWCD hosted my workshop to help introduce the Education and the Environment Initiative curriculum to local teachers. I plan to return in April for CBWCD's Earth Day event to help provide additional workshops for students and teachers with a focus on EEI materials and activities.

Another rare and valuable facet of CBWCD's educational outreach is its dedicated education space for students and teachers. To have a stand-alone building and garden entirely dedicated to workshops and field trips is truly unique. Children who might otherwise not have access to the outdoors can now experience vegetable beds, scientific equipment, fresh air and lots of space as they learn about water quality, where our water comes from, the importance of water conservation and many more topics.

The Chino Basin Water Conservation District fills a distinct role in the community in the educational sphere. I look forward to deepening the partnership between EEI and CBWCD to get the word out about environmental education.

Sincerely,

Christine Liske

Christine.Liske@CalRecycle.ca.gov

Office of Education and the Environment
Department of Resources Recycling and Recovery (CalRecycle)
1001 I Street
Sacramento, CA 95812-4025



From: Mach, Susan [[mailto:Susan Mach@cjuhsd.net](mailto:Susan_Mach@cjuhsd.net)]

Sent: Wednesday, February 05, 2014 1:48 PM

To: Angelica Arellano

Subject: RE: Letter of Support

LAFCO,

The Chino Basin Water Conservation District has been a great resource to us in motivating students to think about their use of water and how to show their concerns through the use of art.

I teach art at Ontario High School and the poster contest that the district offers to our students has truly motivated students to turn their conservation ideas into visual ideas. The contest inspires discussion, often on a very casual basis, but takes their art ideas and turns them into practical ideas they may take home.

The physical district building and environment surrounding it have been topic of conversation among students who have visited for the poster contest. They comment on the different plants and ideas they have seen there.

Their services are have been a benefit to our students artistically and as a community service for the conservation of water. We hope it continues!

Sincerely,

The Visual Arts Instructors
(Susan Mach, Colleen Biden, Debbie Jones)
Ontario High School

From: William Mc Clane [<mailto:wilmcccl@yahoo.com>]
Sent: Tuesday, February 04, 2014 12:22 PM
To: Angelica Arellano
Subject: Re: Letter of Support

To whom it may concern: The services that the Chino Basin Water Conservation District provide are a necessity and invaluable! It is pertinent that we keep programs such as this and the resources that they provide available to assist and educate our community. Especially during this most troubling time of drought that we are currently incurring. In essence anything other than increasing the funding of this program would be a DRASTIC mistake. It is because of this program and the KNOWLEDGEABLE people that are a part of it that I sleep somewhat easier at night knowing that with these key personnel and programs in place during this time of uncertainty that we at least have a chance to get through it. The weather based programming controls, permeable surfaces, education programs, knowledge on re landscaping and host of other services that are provided are key in making it through this crisis of FINITE substance necessary for life that we call H2O (WATER) Thank you for taking the time to read this letter and It is greatly appreciated that consideration of this matter are taking place.

Respectfully yours

William Mc Clane Concierge Ent.

AKA F.O.E. Ent (Future Of Entertainment Enterprises)

Direct Cell (310) 467-6790 Message (424) 279-8590 Thank You!

Ontario-Montclair School District

950 West D Street, Ontario, California 91762 • (909) 418-6366 • FAX (909) 459-2550

FACILITIES PLANNING AND OPERATIONS

February 6, 2014

Mr. Juan Zamora
Water Conservation Specialist III
Lead Program Manager
Chino Basin Water Conservation District
4594 San Bernardino Street
Montclair, CA 91763

SUBJECT: Recycled Water Connection Program Funding from the Chino Basin Water Conservation District

Dear Mr. Zamora,

On behalf of the Ontario-Montclair School District (District) I want to express our appreciation to the Chino Basin Water Conservation District (CBWCD) for its support of the District's water conservation program by providing \$115,050 in supplemental funding under the CBWCD's Recycled Water Connection Program.

The supplemental funding from the CBWCD proved to be essential in the successful implementation of the District's water conservation program. I'm please to share with you, as a result of the CBWCD's support, the Ontario-Montclair School District is one of the first elementary school districts in San Bernardino County to irrigate its fields with recycled water. With twelve schools retrofitted, the annual water consumptions savings are anticipated to exceed 78 acre feet, enough water to serve 132 families for an entire year.

In these fiscally challenging times in which the District has been faced with the challenge of finding ways to more with less, the partnership created with the CBWCD has proven to be invaluable in working to ensure an effective learning environment exists for the students of the Ontario-Montclair School District.

Sincerely,



Craig Misso
Director, Facilities Planning and Operations

BOARD OF TRUSTEES

Kristen Brake
Samuel P. Crowe
J. Steve Garcia
Maureen "Moe" Mendoza
Elvia M. Rivas

James Q. Hammond, Ed.D.
Superintendent

Phil Hillman
Chief Business Official

Craig E. Misso
Director, Facilities Planning and Operations

February 3, 2014
Chino Basin Water Conservation District

To Whom It May Concern,

On January 14, 2014 our Mt. Sac Gardening Class took a field trip to your newly renovated water district facility in Montclair. We were pleasantly surprised by the new indoor exhibits and outdoor plantings. We were so impressed that we returned with our grandchildren the next day to have a picnic and scavenger hunt using the children's coloring books the helpful staff had supplied us with on our first visit.

My husband and I feel that your facility is a great educational resource for individuals and groups of all ages.

We would like to thank the helpful and knowledgeable office staff - great information about the turtle, etc.

Keep up the wonderful work,
Bill and Marlene Morgan
Mt. Sac Gardening Students/Grandparents

RECEIVED

FEB - 3 2014

**CHINO BASIN WATER
CONSERVATION DISTRICT**



Ray Musser, Mayor
Debbie Stone, Mayor Pro Tem
Glenn Bozar, Councilmember
Brendan Brandt, Councilmember
Gino L. Filippi, Councilmember

Telephone (909) 931-4122
Facsimile (909) 931-4123

February 5, 2014

Local Agency Formation Commission
Attn: Kathleen Rollings-McDonald
215 North "D" Street, Suite 204
San Bernardino, CA 92416-0490

RE: Letter of Support for the Chino Basin Water Conservation District

Dear Commissioners:

I write today to lend support for the Chino Basin Water Conservation District (CBWCD). The CBWCD plays an important role in the community as a leader in the water conservation field. Its two-pronged mission of stormwater capture and public education results in a unique function that no other agency can provide with such clarity and efficacy.

Public education figures prominently in the work carried out by the CBWCD. As the Southern California population continues to grow in this time of drought, the workshops and educational opportunities provided by CBWCD are even more critical. Workshops around Water Wise Landscaping immediately impact the community's adults, as they go home and apply what they learned in their own landscape. The District's work to provide tours and field trips to children has the potential to create life-long water savers from a very early age. CBWCD's work to create engaging, fun, standards-based field trip curriculum will prove to be a valuable resource for teachers.

To further its strategic goal of educating the public, the CBWCD recently invested in a wonderful new facility, the Water Conservation Center Campus. The campus is designed with educational encounters at every turn, evidenced in the demonstration parking lot when you first come in, the lobby educational exhibit, interpretive signs in the garden, the dedicated children's garden and education building, and the workshops provided to the community. The investment in this facility is an investment back into the community.

The Water Conservation Center Campus, educational workshops and field trips, the expertise of CBWCD's staff and the District's central location all come together in a distinct combination that no other agency can reproduce. The CBWCD is a vital resource for our community and for the greater Southern California region. I look forward to working with CBWCD to see the message of water conservation become integrated into our lifestyles as Southern Californians.

Sincerely,

Ray Musser
Mayor

RM/cs

Washington, DC Office
1641 Longworth HOB
Washington, DC 20515
(202) 225-6161
Fax: (202) 225-8671

Montclair District Office
4959 Palo Verde Street
Suite 110B
Montclair, CA 91763
(909) 626-2054
Fax: (909) 626-2678

NegreteMcLeod.house.gov

CONGRESS OF THE UNITED STATES
HOUSE OF REPRESENTATIVES
GLORIA NEGRETE MCLEOD
35TH DISTRICT, CALIFORNIA



Committee on Veterans' Affairs
Subcommittee on
Disability Assistance and Memorial Affairs
Subcommittee on Health
Committee on Agriculture
Subcommittee on
Conservation, Energy, and Forestry
Subcommittee on
Department Operations, Oversight
and Nutrition
Subcommittee on
General Farm Commodities and
Risk Management

February 7, 2014

Local Agency Formation Commission
Attn: Kathleen Rollings-McDonald
215 North "D" Street, Suite 204
San Bernardino, CA 92416-0490

Dear Commissioners:

I write to lend support for the Chino Basin Water Conservation District (CBWCD) that plays an important role in the community as a leader in the water conservation field. Its two-pronged mission of storm water capture and public education results in a unique function that no other agency can provide with such clarity and efficacy.

Public education figures prominently in the work carried out by the CBWCD. As the Southern California population continues to grow in this time of drought, the workshops and educational opportunities provided by CBWCD are even more critical. Workshops around Water Wise Landscaping immediately impact the community's adults, as they go home and apply what they learned in their own landscape. The District's work to provide tours and field trips to children has the potential to create life-long water savers from a very early age. CBWCD's work to create engaging, fun, standards-based field trip curriculum, will prove to be a valuable resource for teachers.

To further its strategic goal of educating the public, the CBWCD recently invested in a wonderful new facility, the Water Conservation Center Campus. The campus is designed with educational encounters at every turn, evidenced in the demonstration parking lot when you first come in, the lobby educational exhibit, interpretive signs in the garden, the dedicated children's garden and education building, and the free workshops provided to the community. The investment in this facility is an investment back into the community.

The Water Conservation Center Campus, educational workshops and field trips, the expertise of CBWCD's staff and the District's central location all come together in a distinct combination that no other agency can reproduce. The CBWCD is a vital resource for our community and for the greater Southern California region. I look forward to working with CBWCD to see the message of water conservation become integrated into our lifestyles as Southern Californians.

Respectfully,

A handwritten signature in cursive script that reads "Gloria Negrete McLeod".

Gloria Negrete McLeod
Member of Congress

2/6/2014

Chino Basin Water Conservation District
4594 San Bernardino Street
Montclair, CA 91763

Dear Angie Arellano & Juan Zamora,

I would like to thank you for your wonderful support and education you have given us and our community. I attended the open house and thoroughly enjoyed the wilderness park with over 40 types of trees; I was able to physically see tree specimens which helped to determine what would work for my residence. All the educational information obtained at this fair was so beneficial on how to conserve water as a homeowner. I became aware of the free weather based controllers, attended the instructional class and had the controller installed at my home. This is a great program offered to the community! Also the landscape and recommendations on improving my landscape to conserve water report was very much appreciated. The report formats is professional and appreciate all the detail and recommendations. This will assist me in making the recommended changes.

I was able to visually see the completely renovated Water Wise Education Garden containing examples of water conserving irrigation, plant materials, permeable Hardscape surfaces, and water retention bio-swales which I can incorporate as a homeowner. As a result I am having my landscape and irrigation converted to conserve water. This garden was a vital resource in choosing the design.

Your building is a great resource, education and assisting the public, homeowners, schools, and children (who are our future). Thank you very much for all your help, professional, education and assisting me as a homeowner.

Sincerely,



Maria and Ron Ochoa
2750 S Pleasant Ave
Ontario, CA 91761

February 5, 2014

Kathleen Rollings-McDonald
Local Agency Formation Commission San Bernardino County
215 North D Street, Suite 204
San Bernardino, CA 92415

SUBJECT: CHINO BASIN WATER CONSERVATION DISTRICT



Baldy View Chapter

8711 Monroe Court, Suite B
Rancho Cucamonga,
California 91730
ph 909.945.1884
fx 909.948.9631
www.biabuild.com

Dear Kathleen Rollings-McDonald,

On behalf of the Baldy View Chapter of the Building Industry Association (BIA), we would like to take this opportunity to commend the efforts of the Chino Basin Water Conservation District (CBWCD). Their commitment to sustainable water management practices is essential to the growth and prosperity of the region.

The home building industry is dedicated to best management practices of water conservation as well as remaining "water-wise" in new residential development. Our industry is sensitive to Southern California's water conservation goals. That is why we are proud to support the unique leadership and innovative services of the Chino Basin Water Conservation District.

California home builders are held to the highest building standards in the nation, which is why the new Water Conservation Center Campus will be a key asset to the success of long term conservation efforts. New residential development alone will not reach the region's water conservation goals. We must educate current residents about their role in helping to the conserve our precious water supply.

The leadership displayed by CBWCD and its staff's proactive approach is an invaluable benefit to combating the current California drought situation. The public awareness programs, water conservation landscape exhibits and children's educational classes offered at the CBWCD Conservation Campus are just a few of the important services the district provides. We are also privileged to support the one of a kind conservation programs the district offers to existing home owners such as the landscape audits, specialized design studio and onsite irrigation classes. These type of innovative services and leadership efforts make CBWCD invaluable to the region.

The CBWCD provides services unmatched by other local agencies and we support their need to continue as a special district. As our industry continues to pioneer new water conservation efforts for the foreseeable future we find the proactive leadership and tireless efforts of the CBWCD a great asset to achieving Southern California's water conservation goals.

Thank you for your consideration.

Sincerely,

Carlos Rodriguez, CEO

CC: Kati Ooten Parker, Board President
Eunice Ulloa, General Manager

STATE CAPITOL
P.O. BOX 942849
SACRAMENTO, CA 94249-0052
(916) 319-2062
FAX (916) 319-2152

DISTRICT OFFICE
13160 7TH STREET
CHINO, CA 91710
(909) 902-9606
FAX (909) 902-9761

Assembly California Legislature



FREDDIE RODRIGUEZ
ASSEMBLYMEMBER, FIFTY-SECOND DISTRICT

COMMITTEES
BANKING AND FINANCE
BUDGET
ELECTIONS AND REDISTRICTING
WATER, PARKS AND WILDLIFE

SUBCOMMITTEES
BUDGET SUBCOMMITTEE NO. 5 ON
PUBLIC SAFETY

SELECT COMMITTEES
CHAIR: SELECT COMMITTEE
ON LOCAL EMERGENCY
PREPAREDNESS

JOINT COMMITTEES
VICE CHAIR: JOINT COMMITTEE ON
EMERGENCY MANAGEMENT

February 5, 2014

Local Agency Formation Commission
Attn: Kathleen Rollings-McDonald
215 North "D" Street, Suite 204
San Bernardino, CA 92416-0490

RE: Letter of Support for the Chino Basin Water Conservation District

Dear Commissioners:

I write in support for the Chino Basin Water Conservation District (CBWCD). The CBWCD plays an important role in the community as a leader in water conservation. Its two-pronged mission of stormwater capture and public education results in a unique function that no other agency can provide with such clarity and efficacy.

Public education is the primary mission of the CBWCD. As the Southern California population continues to grow in this time of drought, the workshops and educational opportunities provided by CBWCD are even more critical. Workshops around Water Wise Landscaping immediately impact the community's adults, as they go home and apply what they learned in their own landscape. The District's work to provide tours and field trips to children has the potential to create life-long water savers from a very early age. CBWCD's work to create engaging, fun, standards-based field trip curriculum will prove to be a valuable resource for teachers.

To further its strategic goal of educating the public, the CBWCD recently invested in a wonderful new facility, the Water Conservation Center Campus. The campus is designed with educational encounters at every turn, evidenced in the demonstration parking lot when you first come in, the lobby educational exhibit, interpretive signs in the garden, the dedicated children's garden and education building, and the free workshops provided to the community. The investment in this facility is an investment back into the community.

The CBWCD is a vital resource for our community and for the greater Southern California region. I look forward to working with CBWCD to see the message of water conservation become integrated into our lifestyles as Southern Californians.

Sincerely,

A handwritten signature in black ink, appearing to read "Freddie Rodriguez".

FREDDIE RODRIGUEZ
Assemblymember, 52nd District





Mark N. Kinsey
GENERAL MANAGER

February 4, 2014

Ms. Eunice Ulloa, General Manager
Chino Basin Water Conservation District
4594 San Bernardino Street
Post Office Box 31
Montclair, California 91763-0031

Congratulations on Opening of Water Conservation Center Campus

Dear Ms. Ulloa:

On behalf of Monte Vista Water District's Board of Directors and staff, congratulations on the opening of the Chino Basin Water Conservation District's new Water Conservation Center and Water Wise Demonstration Garden!

Our Board Members and staff who attended the opening ceremony this past Saturday reported a tremendously successful event. We were honored to present a small token of commendation for the impressive result of such a large undertaking. You, your Board of Directors, and your staff must be thrilled and proud of this great accomplishment.

We have already started to communicate with our customers and local educators about the enhanced conservation and education services your new facilities provide to the region. We are deeply appreciative of the significant service provided by Chino Basin Water Conservation District to our customers.

Once again, congratulations!

Sincerely,

Monte Vista Water District

Sandra S. Rose
President, Board of Directors

cc: Monte Vista Water District Board of Directors

RECEIVED

FEB 10 2014

CHINO BASIN WATER
CONSERVATION DISTRICT

Water District

10575 Central Avenue, Post Office Box 71 • Montclair, CA 91763 • (909) 624-0035 • FAX (909) 624-4725 • www.mvwd.org

Sandra S. Rose
PRESIDENT

Tony Lopez
VICE PRESIDENT

Philip L. Erwin
DIRECTOR

G. Michael Milhiser
DIRECTOR

Manny Martinez
DIRECTOR

Frank Simpson
3734 Talking Circle
Langley, WA 98260
(310) 617-8437

Chino Basin Water Conservation District
4594 San Bernardino St.
Montclair, CA 91763

5 February 2014

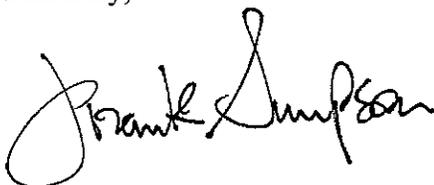
Dear Ms Ulloa:

I was very pleased to visit the new Chino Basin Water Conservation District Demonstration Garden recently and I would like to congratulate you and your staff on what I have no doubt will prove to be a valuable resource for landscape professionals, students and the general community. CBWCD has been a leader in the promotion of water conservation and the new garden combines innovative design with inspiring plant palettes to build on an established and well-deserved reputation for leadership in landscape water conservation.

As a landscape professional, my work in the arena of landscape education and outreach emphasizes the need to make our landscapes more sustainable and less dependent on imported water. Gardens such as yours prove that this can be achieved with thoughtful design and good plant selection and also illustrate the many choices available to both homeowners and professions designers. Moreover, it represents one of the few opportunities to view plant palettes suited to inland valley climates that can be easily applied to new and existing landscapes. Together with the wonderful interactive display in the building lobby , the new classroom facilities and specialized design room will support CBWCD's already valuable outreach programming to both young and old. I am impressed with the Professional Landscape Water Management Class. Combined with the Landscape Audit Program, it makes a great addition to the effort to conserve landscape water. I was also interested to see the incorporation of permeable paving surfaces into the design.

I look forward to adding the new garden to field trip venues for my classes at the Department of Landscape Architecture, UCLA and Rancho Santa Ana Botanic Garden.

Sincerely,

A handwritten signature in black ink that reads "Frank Simpson". The signature is written in a cursive, flowing style with a large initial "F".

Frank Simpson.

Chino Valley Unified School District



CHINO HIGH SCHOOL

HOME OF THE COWBOYS 5472 PARK PLACE - CHINO, CA 91710 ~ 909-627-7351

February 6, 2014

To Whom It may Concern:

I just wanted to let you know what an invaluable service the Chino Basin Water Conservation District provides to the citizens of Chino and surrounding area. As we all are aware, California is in the midst of a potentially record drought. Through the incorporation of teaching materials provided by the CBWCD into the classes I teach, I am able to encourage awareness of water conservation techniques in my students.

The CBWCD site encourages area residents to improve their landscaping to conserve water. Personally, I have incorporated many of the ideas I have learned through teaching my students. Additionally, I have attended water conservation fairs in the past years. One tip that I still use is to catch the water from my shower as it warms up in a bucket that I then use to water plants. It is little things like that which need to be brought to the awareness of consumers.

The staff at the CBWCD has been very helpful in working with the Chino Valley Unified School District. In the past we have brought students to sketch or photograph the Water Wise Education Garden.

The job of the CBWCD is even more important during this difficult time of drought. As we know, every drop counts and we cannot afford to misuse this limited resource. Thankfully, the CBWCD is here to help us deal with the current water shortage.

Sincerely,

Mary Jane Sinkwich
Art Teacher

RECEIVED

FEB -6 2014

CHINO BASIN WATER
CONSERVATION DISTRICT

BOARD OF EDUCATION

Sylvia Orozco
James Na
Charles E. Dickie
Irene Hernandez-Blair
Andrew Cruz

SUPERINTENDENT

Wayne M. Joseph

PRINCIPAL

Felix Melendez

ASSISTANT PRINCIPALS

Kim Cabrera Ed.D
Patricia Custodio
John Ashby M.Ed



Council for Watershed Health

February 5, 2014

Eunice Ulloa, General Manager
Chino Basin Water Conservation District
4594 San Bernardino St.
Montclair, CA 91763

Re: Support – Support for Chino Basin Water Conservation District Programs

Dear Ms. Ulloa,

On behalf of Council for Watershed Health, I would like to congratulate you on the opening of your new Water Conservation Center. At your recent Center opening, I was very pleased to see the breadth of resources now available to the nearby residents and water users. The District's water conservation education lobby, with interactive features especially for children, is a wonderfully innovative resource that will empower people to conserve water in their landscapes.

The Water Wise Education Garden, containing examples of state of the art water efficient irrigation equipment, native plants, permeable hardscape, and water retention bio-swales, is a fantastic showcase of water conservation opportunities for everyone, no matter the size of their landscape. The education building and children's garden will inspire a future generation of stewards and the wilderness park with over 40 types of trees will help guide tree identification, specification, arboriculture and urban forestry best practices.

Given your programs and expertise, we see many opportunities for community education about sustainable landscapes, green infrastructure and watershed coordination programs and we hope to begin a fruitful partnership. With our expertise in stormwater best management practices, monitoring water quality, and assessing watershed health since 2000, we look forward to a mutually beneficial partnership with Chino Basin Water Conservation District.

The recognition and accolades you received from the many presenters at your Water Conservation Center opening were a testament to your good work. We see many parallels with the Council's Vision 2025 (see enclosed 2013 annual report). We look forward to working with you to cultivate beautiful water efficient landscapes throughout the region.

Please contact me at your convenience to discuss further how we can support your efforts.

Sincerely,

Nancy L.C. Steele, D.Env.
Executive Director

Cc: Alfredo Gonzalez, President, Council for Watershed Health



CLAREMONT ENVIRONMENTAL DESIGN GROUP, INC.

Architecture · Landscape Architecture · Planning

February 5, 2014

Local Agency Formation Commission
Attn: Kathleen Rollings-McDonald
215 North "D" Street, Suite 204
San Bernardino, CA 92416-0490

RE: Letter of Support for the Chino Basin Water Conservation District

Dear Commissioners:

I'm writing to express my support for the Chino Basin Water Conservation District (CBWCD). The District fills a unique and vital role in Southern California, and their contributions are felt far outside their geographic District boundary. I know their mission very well, as I have had a significant part in designing and overseeing the construction of their new facilities to support that mission.

I am an Associate at the Claremont Environmental Design Group, and my firm was the primary architect and landscape architect for the recent facilities improvements at the CBWCD. I was the lead designer on the project, and also oversaw the construction of the new Water Conservation Center which had its ribbon cutting on the 1st of February. As part of the design process over the past 5 years, I visited many other organizations in the Southern California area for a facilities comparison – and came to realize that there is no other facility or organization in this area which is comparable to the CBWCD. This motivated my passion to design the perfect realization of the CBWCD's vision for their new campus – a place where the public and professionals alike would gather to be educated about the intricacies of water in California and would be motivated and equipped to do their part in conserving this precious resource.

Even though just recently completed, the Water Conservation Center Campus has already received accolades for the resources it provides. The importance of these resources will only continue to grow as water in California becomes ever more precious and scarce – especially in this time of severe drought. This is truly a time for action and for vision, and the Chino Basin Water Conservation District is in the vanguard. They are an organization created 'for such a time as this' and the education and information they provide, along with the practical aspect of managing our local water resources through their basins, could not be more critical or needed right now.

I know that I have learned a great deal about water issues and water conservation from working with the CBWCD, and I am much more equipped to tackle the challenges of in professional field. I look forward to taking the information I have learned into the marketplace, and to continue to partner with the CBWCD to provide a more sustainable California.

Sincerely,

Jeffrey Veenema, LEED AP BD+C

Associate, Claremont Environmental Design Group, Inc.

Architectural Project Manager for CBWCD Facilities Improvement Project

From: Jeremy Witcher [<mailto:jeremywitcher@gmail.com>]

Sent: Thursday, February 06, 2014 6:14 AM

To: Angelica Arellano

Subject: Re: Letter of Support

I just wanted to express how the programs offered and the classes given have really helped our family. I grew up in Michigan and never had to think about water and the use of it. Since moving to California I have had to educate myself on a different way of life. When I moved to Montclair I was able to find some answers to the questions I had been asking for a long time. Taking the classes that are regularly offered by the Water District have been so valuable we have taken advantage of almost every single program they have offered. The biggest help has been the audit of our use of water on our property. I look forward to many more learning sessions at the new facility. We also use the gardens to teach our children about different plants and how they grow and work. We love everything about what is being done here and are proud to live right around the corner.

Jeremy Witcher

Sent from my iPhone

DENNIS R. YATES
Mayor

GLENN DUNCAN
Mayor Pro Tem



EARL C. ELROD
TOM HAUGHEY
EUNICE M. ULLOA
Council Members

MATTHEW C. BALLANTYNE
City Manager

CITY of CHINO

January 27, 2014

Local Agency Formation Commission
215 North "D" Street, Suite 204
San Bernardino, CA 92416-0490

RE: Letter of Support for the Chino Basin Water Conservation District

Dear Commissioners:

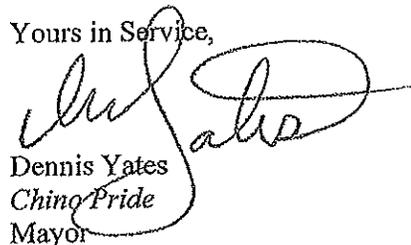
We would like to lend our support for the Chino Basin Water Conservation District (CBWCD). As you are aware, the City of Chino is one of the many benefactors of the services provided by the Chino Basin Water Conservation District. We can't stress enough the importance of this agency, especially in light of the recent drought declaration by the State and the resurgence of development growth in the Inland Empire.

There are many different ground water basins contained within the valley region (Chino Groundwater Basin, Rialto-Colton Basin, Cucamonga Basin, Six Basins, San Bernardino, etc.). In addition, the region is home to two Metropolitan Water District wholesale agencies (Inland Empire Utilities Agency and San Bernardino Valley Municipal Water District). Each of these entities are governed differently, have diverse interests and provide different approaches to conservation. The independence of CBWCD serves as a reliable authority and resource for conservation efforts throughout our region.

Here in Chino, the City has enjoyed the valuable education classes that our employees have taken regarding irrigation, soils, plant materials, and on-site storm retention methods. This has attributed to our success in managing City properties and our review of new development projects. The new Water Conservation Center campus will only enhance these educational opportunities.

As the recent recipient of the Harriett Wieder Award (2013) from the Southern California Water Committee which recognized the City of Chino for "its leadership in the Pursuit of Southern California's Water Future", we have demonstrated the value water of conservation. This would not be possible without our partnership with the Chino Basin Water Conservation District.

Yours in Service,



Dennis Yates
Chino Pride
Mayor

