



Chino Basin Water Conservation District

Protecting the Chino Groundwater Basin since 1949



Demonstrate ... Educate ... Percolate

Local Agency Formation Committee *for San Bernardino County*
CBWCD Facility Tour – March 2, 2015



Chino Basin Water Conservation District

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



CBWCD: Water Conservation Through Demonstration, Education, and Percolation

Official Government District in 1949

- Started in 1931 as a protective association to start managing water use
- Prior to last year's legislation to regulate groundwater in California, the Chino Groundwater Basin was one of the few managed aquifers in the state

Our Mission:

"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 our service area to further promote the efficient use of our water resources."



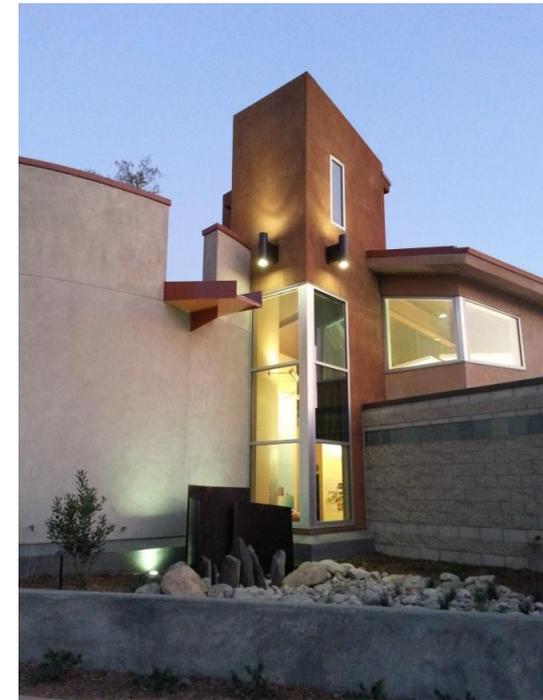
The area has a rich history in agriculture



How do we protect the groundwater basin?

DEMONSTRATION

—Parking lot, buildings, and demonstration garden





How do we protect the groundwater basin?

EDUCATION

- Kids
- Professionals
- Homeowners
- The general public





How do we protect the groundwater basin?

PERCOLATION

—CBWCD owns 8 recharge basins used to percolate:

Storm water ~ Imported water ~ Recycled water



Basin: Montclair #1



How do we protect the groundwater basin?

The Governor's California Water
Action Plan lists

*“Make conservation a
California way of life”*

as the first of its
Ten Essential Actions.



Make Conservation a California Way of Life

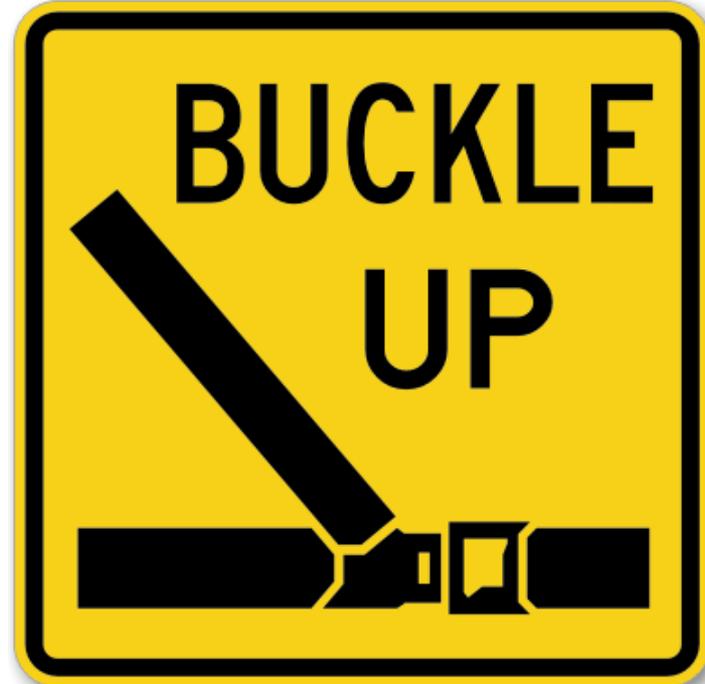
**How do we make water conservation
a way of life?**

**How do we begin to affect the attitudes
and actions of an entire region?**

**How do we create a new normal for
water conservation?**



Memorable Public Education Messages





Creating a New Normal

6 steps to significant change

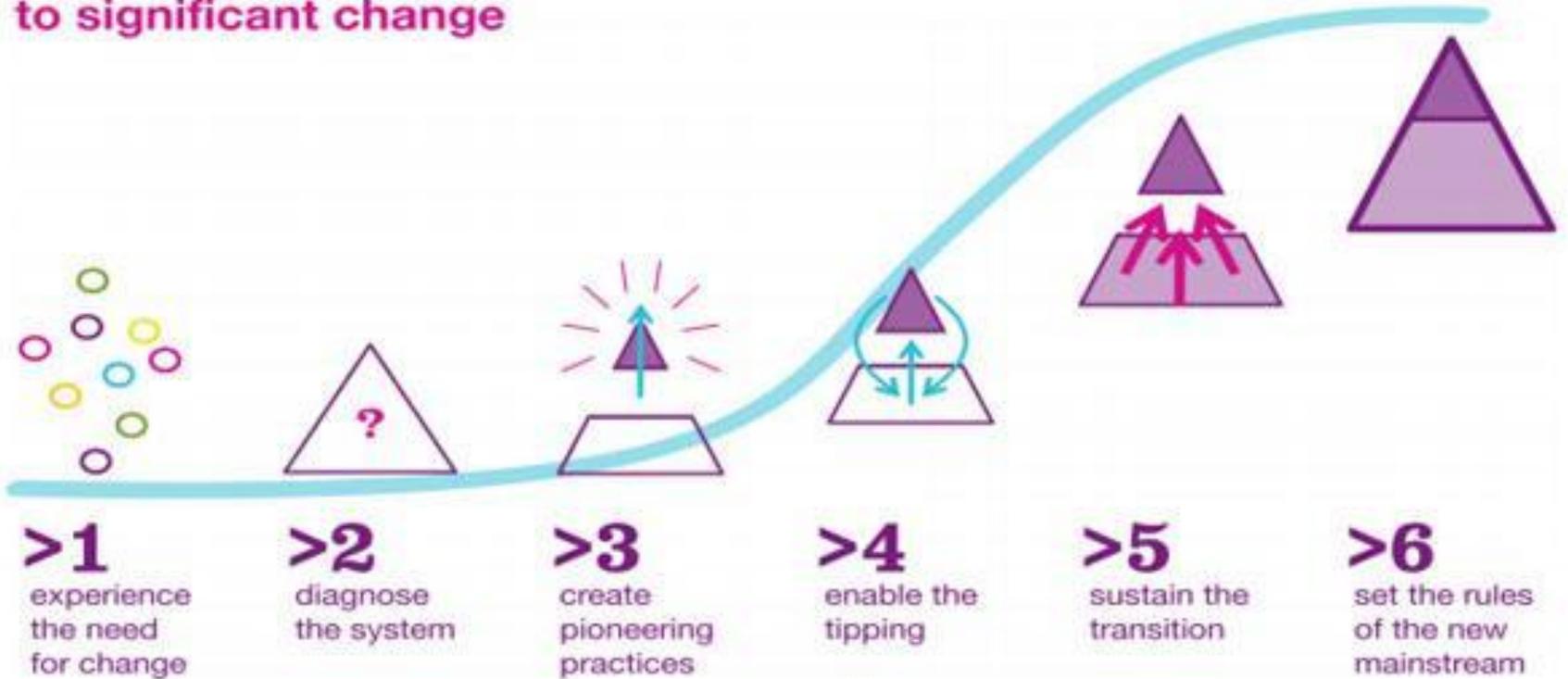


Image Credit: Forum for the Future



Key Components:

Demonstration and Effective Public Education

Demonstrate...

Educate...





Creating a New Normal for Water Conservation

The Chino Basin Water
Conservation District...

*A Leader in
Water Conservation
Demonstration and
Education*



Demonstration: Parking Lot – Low Impact Development



Parking lot with permeable pavement contrasted with traditional asphalt

- Pervious Concrete
- Pervious Asphalt
- Pavers
- Disconnected Flow Paths
- Zero Curbs
- Trench Drains
- Bioretention Basins
- Rain Gardens



Demonstration: Water Conservation Center



Entry evokes the natural surroundings of mountains and canyons

- Eco-Revelatory
- Rainwater Collection
- Environmentally Aware Design
- Educational Lobby
- Public Design Room
- Class & Meeting Spaces



Demonstration: Water Wise Garden



- Pocket Gardens
- Different Methods of:
 - Composting
 - Irrigation
 - Mulching
- Different Styles of:
 - Planting
 - Paving





Education Strategy

Educate School-Age Children to
Establish Good Habits

Equip Professionals and
Homeowners to Implement
Water-Saving Techniques

***Establish a “new normal” for
water use and conservation practices.***



Education: K-12 School Tours and Programs



Earth Day field trip for 5th graders

- Teaching Field Trips
- Earth Day
- Education Grants
- Poster Contest
- Garden in Every School
- WEWAC



Education: Professionals



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

*Developed by Sonoma-Marín
Saving Water Partnership*



Education: QWEL Curriculum

The 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.



Covering Topics Such As:

- Where Your Water Comes From; Irrigation Systems and Efficiency; Scheduling and Controllers; Soils and Plants; Water Management and Budgets; New Technology



Education: Homeowners



Water Wise Landscape Workshops

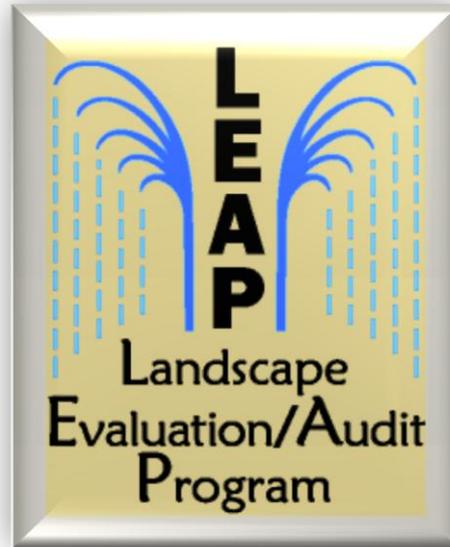


Chino Basin Water Conservation District
is here to help you with your landscape!

Free MULCH & COMPOST

**1st and 3rd
Saturday of the
month**

9 a.m. to Noon



*Landscape workshops;
Landscape irrigation audits;
Weather based irrigation controllers;
Mulch and compost giveaways;
and more!*



*Landscape design
appointments*





Water Conservation and Public Education





Questions?

