

This presentation premiered at WaterSmart Innovations

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California Water Efficiency Partnership's

TOOLBOX

Conservation Toolbox: A Collaborative Platform for Conservation Research

Presented by:

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Former Toolbox Project Manager at CUWCC

1. Why have a toolbox?
2. Platform
3. Living Documents
4. Categories
5. Search
6. Articles
7. Collaboration
8. Content
9. Maps
10. Demo
11. Questions

CaIWEP

- 25+ year history of supporting California water conservation
- Long term projects include **research** and promoting **sustainable landscaping**. These efforts lead to new needs for information sharing

R&E

- Publications become dated, and related research is not well connected
- Platform that connects research topics, creates **living documents**, raises **accessibility** of research through better search

Landscape

- Need online tool to promote sustainable landscapes
- Platform that allows **sharing** and **organizing** of tools for **all users**

Toolbox

- **User empowered** platform to **search** and **share** tools, **improve** information resources



- Built for sharing content and managing user input



- Organize information to allow data to be better searched and displayed, including automatic lists, timelines, geographic information



- Extend toolbox functionality, including: maps, citation, editing, etc.



- Custom work with wiki developers, including skin, custom search, custom forms to add/update content

- Living documents are documents that are continuously edited and updated.
- The toolbox supports:
 - Moderated updates for registered users
 - Toolbox tracks all changes
 - Authorship is attributed to the person making edits
 - Changes can be discussed online
 - Change history is logged and reversible
- Living documents can include updates from group (committee) efforts, or research consultants
- Original documents still available as PDF

- Articles and files can be categorized
- Categories include:
 - General Subject (17)
 - Tool (14)
 - Publication Type (7)
 - End Use (16)
 - End User (15)
- Categories can be updated

- Keyword Search
 - Simultaneously returns results from within article title or article text, file title or file (description) text
- Advanced Filtered Search
 - Search articles (pages) or files by category
 - Search within **any** or **all** of the categories selected
 - Allows data to be organized for specific user groups
- Results shown with page title and introductory text
- Search itself can be expanded through ongoing development

- Article form facilitates changes, form elements include:
 - Introduction/summary (text)
 - Body (text)
 - Introductory image (link or file)
 - Source document (link or file)
 - Highlighted Resources (link or file)
 - Categories (checkboxes)

Contents

- Water Shortage Contingency Plan Development Overview
- Water Shortage Stages
 - Water Shortage Stage Triggers
- Demand Reduction Goals
 - Water Restrictions
 - CPUC Drought Procedures Standard Practice U-40-W
- Sample Water Shortage Contingency Plans
 - Retail Examples
 - City of Clovis
 - City of Clovis WSCP Stages
 - City of Clovis Mandatory Prohibitions by WSCP Stage
 - City of Clovis Water Shortage Stages and Reduction Objectives
 - Marin Municipal Water District

Model Water Shortage Contingency Plans

Water shortage contingency plans (WSCP) have been required as part of the water contingency analysis specified by the California Water Code 10632 since the early 1980s for urban water suppliers. Having a developed WSCP is an essential part of being prepared to respond to water shortages in a timely manner. This tool will provide an overview of WSCP development, reference resources and tools, and provide examples of WSCPs from around the state with the goal of helping agencies develop a WSCP quickly or refine an existing plan. The DWR Urban Drought Guidebook (2008) and the (2011) AWWA M60: Drought Preparedness and Response Manual are key resources for developing and implementing a WSCP. This tool will refer to these key resources, but does not seek to duplicate them.



Water Shortage Contingency Plan Development Overview

The goal of developing a WSCP is to prepare in advance a response for various water shortage conditions. These shortages could be caused by dry years, natural forces, system interruptions or failure, chronic maintenance deferral, dropping groundwater levels, or regulatory action.^{[1] [2]} The water contingency analysis specified in California Law is defined by six elements, as summarized by the DWR Urban Drought Guidebook:^[3]

1. A description of the stages of action an agency will take in response to water shortages;
2. An estimate of supply for three consecutive dry years;
3. A plan for dealing with a catastrophic supply interruption;
4. A list of the prohibitions, penalties, and demand reduction methods to be used;

Original Publication

- [Model Water Shortage Contingency Plans](#)

Highlighted Resources

- [Urban Drought Guidebook \(2008\)](#)

Article Name (Title)

Model Water Shortage Contingency Plans

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Introduction/Summary



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- Content available with and without logging in
- Collaboration:
 - Help pages show how to add and update articles
 - Edits:
 - are moderated by staff, no anonymous edits
 - limited to members and select collaborators

- CalWEP (Council) Publications
 - PBMPs
 - Cost and Savings Studies
 - Drought toolkit
 - Tools
- Technical Documents and other Publications
 - Public domain
 - Other

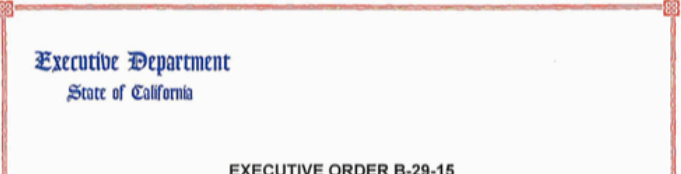


ITP on Landscape Water Use Efficiency

This report is submitted pursuant to California Water Code §10631.7 which directs the California Department of Water Resources (DWR or the Department) to convene an Independent Technical Panel (ITP) recommendations to DWR and the Legislature on new demand management measures, technologies, and ITP's recommendations for California landscape water use efficiency and reduction measures, and provides water use efficiency and reduction measures that can be implemented through the Department of Water Resources' Independent Technical Panel (ITP) report to the Legislature. This report is also...



Commercial, Industrial, and Institutional Task Force



Water Use Reduction

Find Your Facility (Click on it)

Food and Beverage Industries	Gas Stations	Golf Courses	Hospitals
Hotels and Motels	Industrial Launderers	Laundromats	Medical Office buildings
Metal Platers	Multifamily Properties	Office Buildings	Pharmaceutical
Prisons and Correctional Facilities	Refineries	Restaurants	Retail (department stores, etc.)

CII Task Force BMP Tool

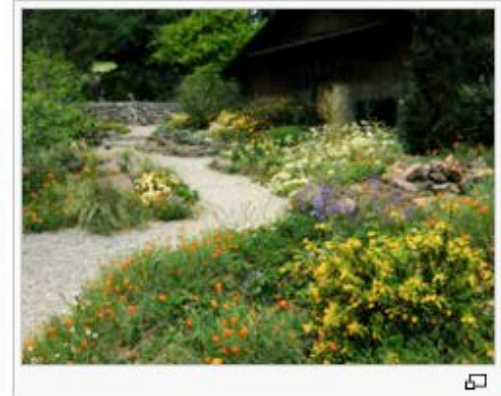
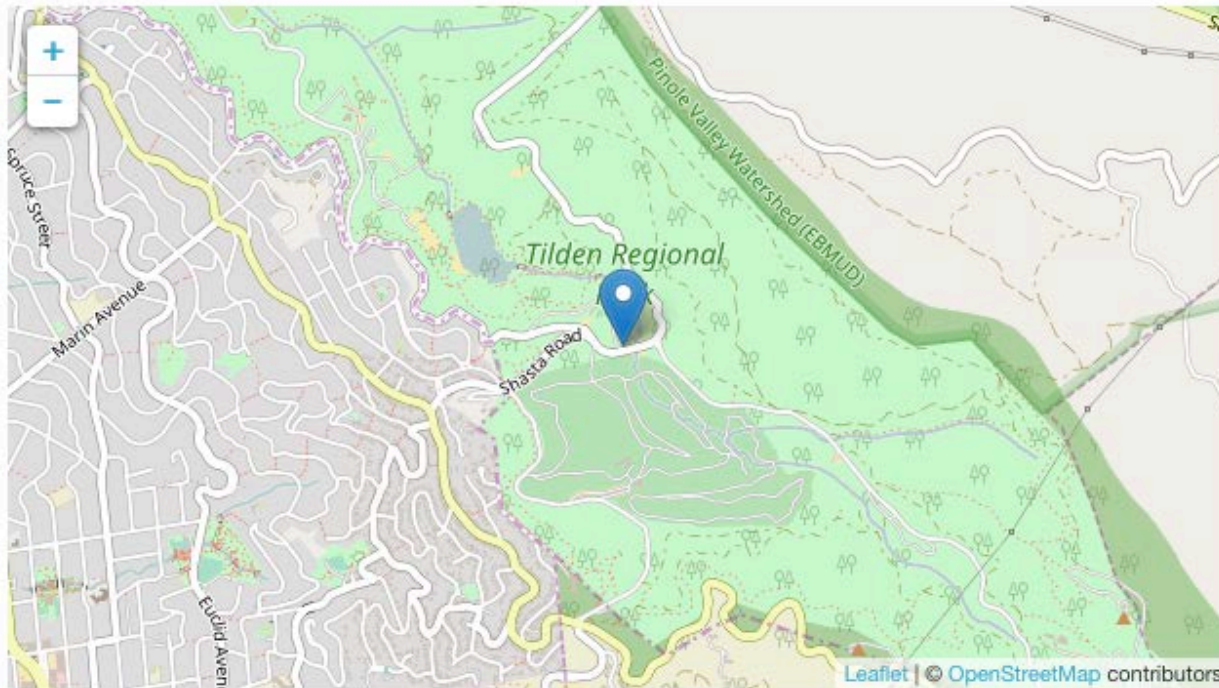
EXECUTIVE ORDER B-29-15

California Water Plan Layered Map



Tilden Regional Park

Map



Details

Name

Tilden Regional Parks Botanic Garden

Year developed

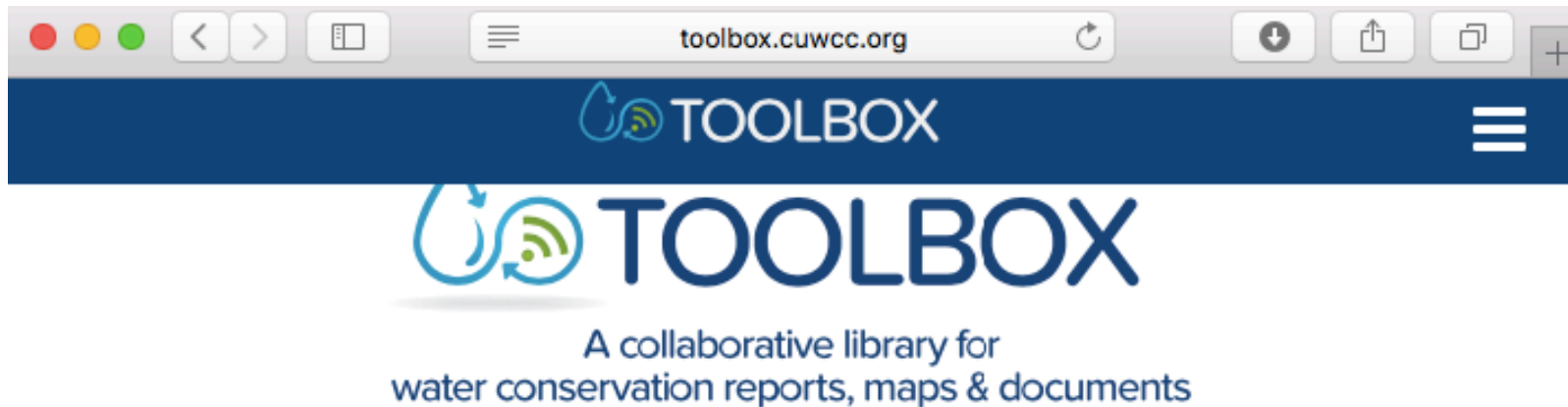
1940

Property owner

Regional Parks Botanic Garden

Address

2501 Grizzly Peak Boulevard, Orinda, CA 94563



Welcome to the CalWEP Toolbox, our new endeavor connecting water conservation tools and research with community members. It is an evolving project that continues to grow and develop content and direction with your help. Please give us your [Feedback](#) throughout our Beta test phase so we can hone and improve how content is delivered.

Highlights



Cost and Savings Study

Over the years the California Urban Water Conservation Council has commissioned a series of Cost and Savings reports to develop methods and data to better ascertain economic analysis and water savings related to water conservation best management practices (and potential BMPs). The original 2000 CSS included sections on definitions of key concepts, descriptions of 14 water saving devices and activities, an annotated literature review, examples of cost-benefit analysis, and cost-effectiveness analysis, as well as known areas where future research is needed. In 2016 the Council recently completed an update to the Cost and Savings Studies.

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