



WaterReuse Association
Northern California Chapter Meeting

Planning for Recycled Water Reporting in 2015 UWMPs

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*Division of Statewide Integrated Water Management
Water Use Efficiency Branch*

2015 UWMP Overview

JULY 2016

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1 UWMPs Due to DWR	2
3	4  <i>Independence Day</i>	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						



2015 UWMP Overview

- Guidebook release is planned for July 2015
- Guidebook is currently in preparation
 - Sections are being prepared
 - Reviewed by Guidebook Committee
 - Webinars are open to public
- Guidebook will be web-based
- Separate guidebooks for retailers and wholesalers

<http://www.water.ca.gov/urbanwatermanagement/uwmp2015.cfm>



2015 UWMP Overview


Section	Topic	Committee Meeting
1	Plan Preparation	October 6, 2014
2	System Description	October 6, 2014
3	System Demands	November 6, 2015
4	<i>Baselines and Targets</i>	<i>March 2015</i>
5	System Supplies	December 11, 2015
6	<i>Water Reliability</i>	<i>January 2015</i>
7	<i>Water Shortage Contingency Plans</i>	<i>February 2015</i>
8	<i>Demand Management Measures</i>	<i>March 2015</i>

Public Hearing for the Draft Guidebook is planned for April 2015



Section 5 – Water Supplies

- 5.1 Summary of Existing and Planned Sources of Water
- 5.2 Wholesale Supplies
- 5.3 Supplier Produce Groundwater
- 5.4 Supplier Produce Surface Water
- 5.5 Wastewater and Recycled Water**
- 5.6 Desalinated Water Opportunities
- 5.7 Exchanges or Transfers
- 5.8 Climate Change Impacts to Supply (Optional)
- 5.9 Future Water Projects



Reminder on the Definition of Municipal Recycled Water

Wastewater treated to a specified quality to enable it to be used again. It must be reused:

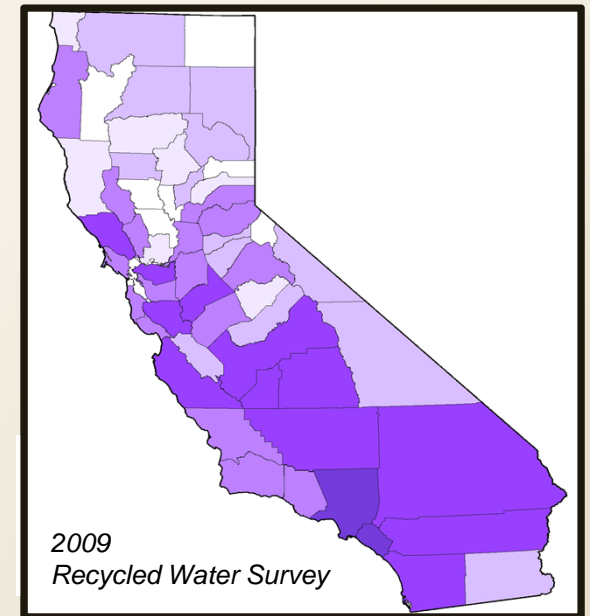
- Beneficially, in a manner consistent with Title 22
- In accordance with a RWQCB permit (NPDES, WDR, or WRR)





Recycled Water in 2015 UWMPs

- No direct Legislative changes since 2010 UWMPs – except for the standardized reporting requirement
- Modified tables
- Parallel track with 2015 Recycled Water Survey
- Information provided today is **DRAFT**





Key Challenges with Recycled Water Data in 2010 UWMPs

- Multiple agencies reported the same recycled water
- Some agencies reported numbers that differed significantly from the 2009 Recycled Water Survey
- Inconsistent boundaries of service areas: wastewater collection, treatment, disposal, reuse, UWMPs

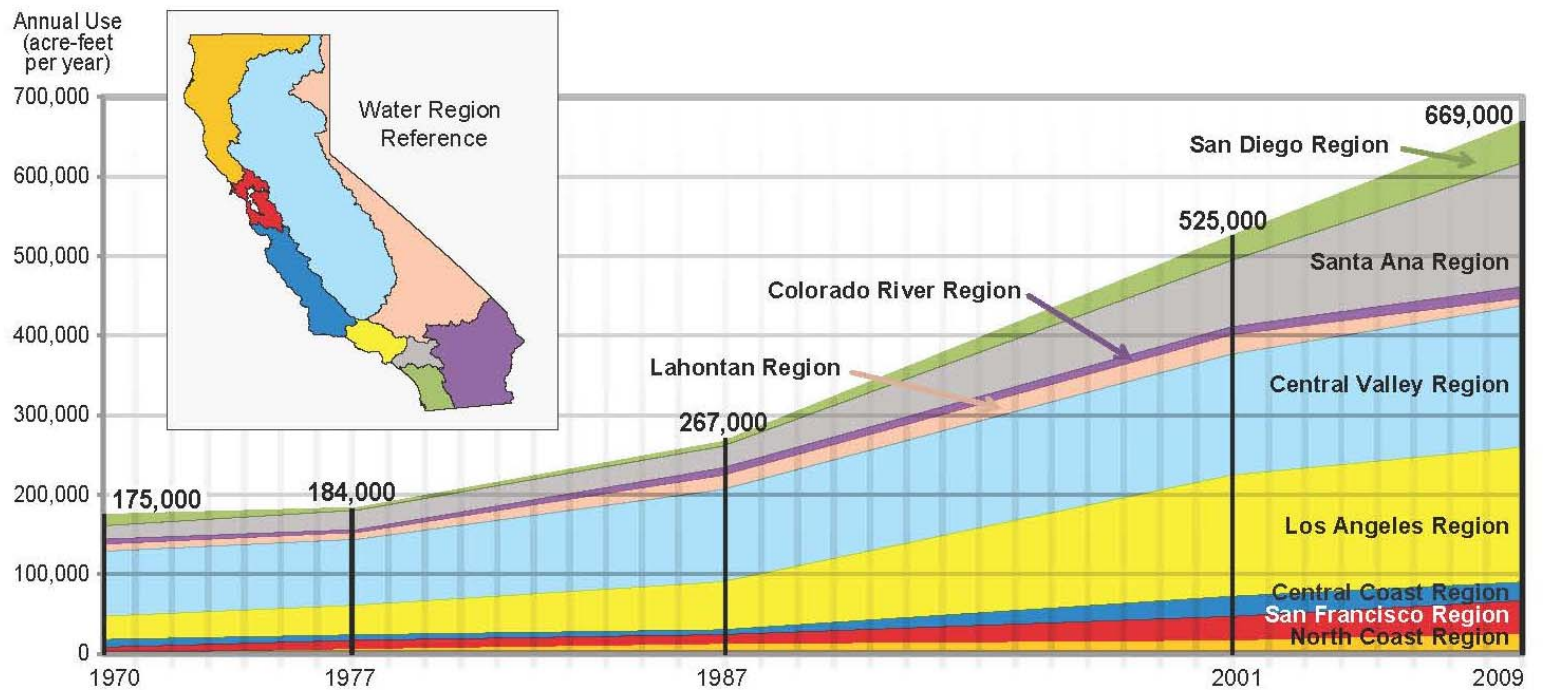


Key Challenges with Recycled Water Data in 2010 UWMPs

- Wide range of what was reported as ‘recycled water’
 - Discharge to a river is not recycling
 - Percolation ponds is not groundwater recharge
 - In-plant (WWTP) reuse is considered a beneficial reuse, but is not counted in the survey
 - Pumped groundwater into purple pipe is not recycling

A Quick Look at the Past Recycled Water Surveys

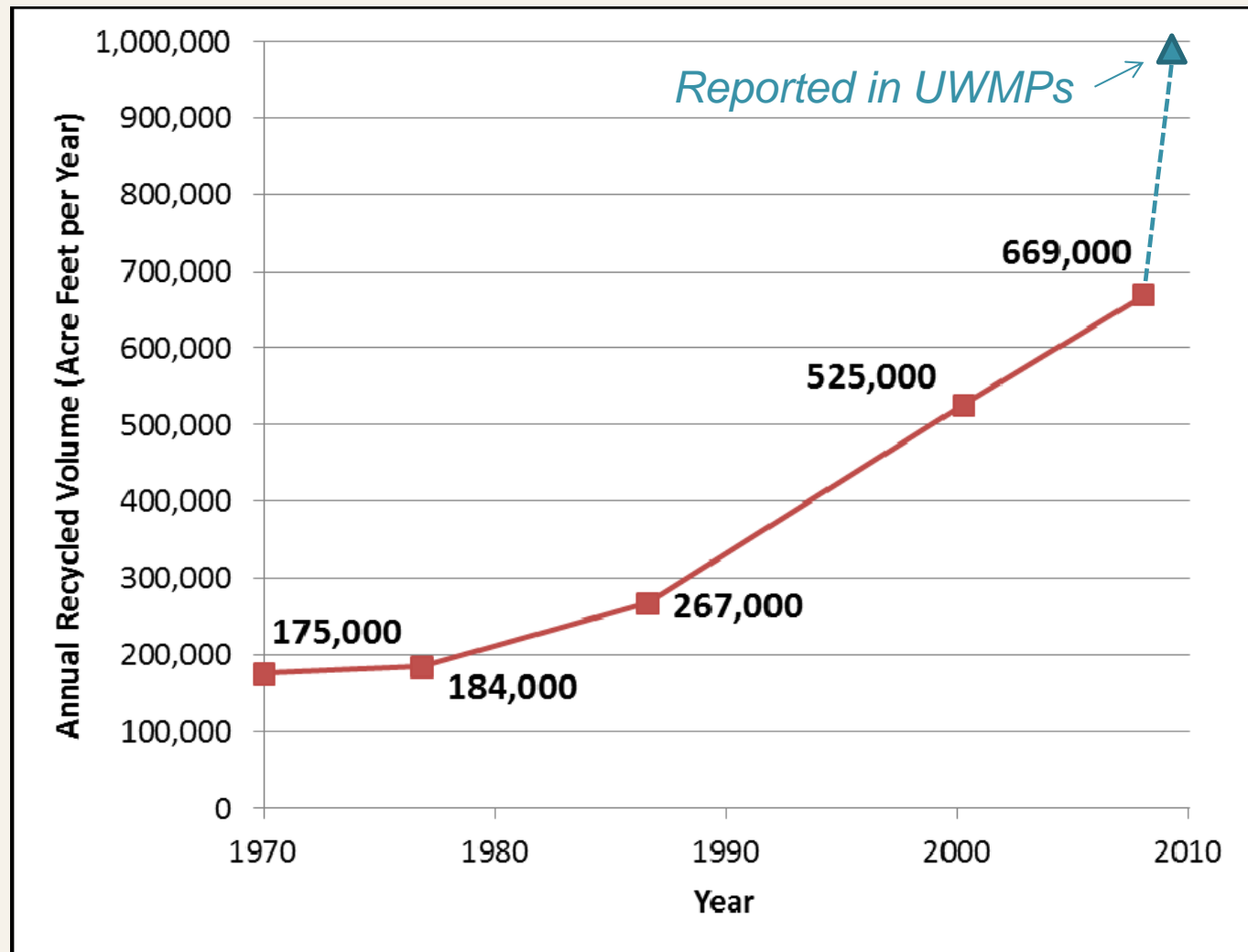
Figure 12-3 Urban Water Use: municipal recycling by water quality region



California Water Plan (DWR, 2014)



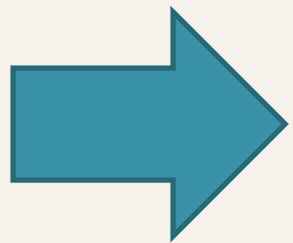
Add the Numbers from the 2010 UWMPs





2015 Objectives

- Improve UWMP recycled water reporting
- Conduct a recycled water survey for 2015
- Coordinate, as much as possible, collection of the two data sets



Single, defensible data set



Guidebook Changes to Meet These Objectives

- Adding a comprehensive appendix focusing on recycled water issues
 - Provides additional discussion on what is to be included in the recycled water section of UWMPs
 - Addresses inconsistencies in 2010 UWMPs
- Proposing modifications to tables, such as additional columns to support survey linkage



Proposed UWMP Recycled Water Sections

- Coordinating Agencies
- Wastewater Collection, Treatment, and Disposal
- Recycled Water System
- Recycled Water Beneficial Uses
- Actions to Build Future Recycled Water Use



UWMP & Survey Coordination

- Different organizations
 - UWMP preparation and RW survey data requests
 - State agencies
- Possible better recycled water understanding across the water spectrum
- The appendix will provide an opportunity to clear up some misconceptions
- Collect better level of treatment data

What Crops are Being Irrigated?

Artichokes



**Tertiary-Treated
Recycled
Water**

Strawberries



Celery



**Undisinfected
Secondary
Recycled
Water**

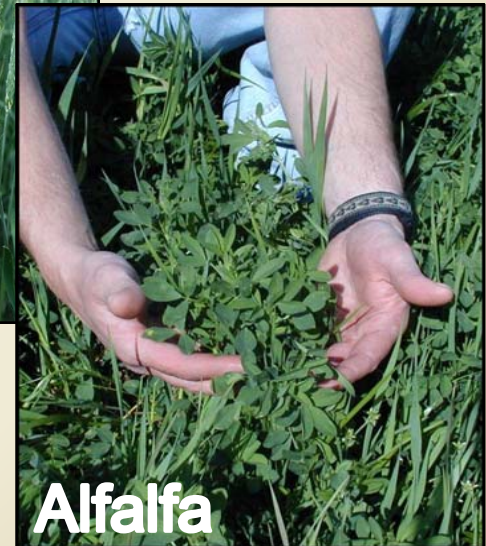


Wheat

Triticale



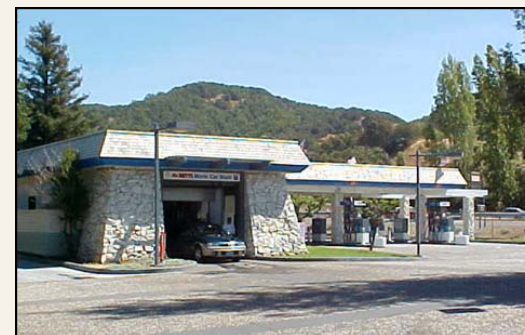
Alfalfa



Highlight Creative Uses!



DSRSD
Publicly available fill station



Marin Municipal Water District
Car washes



Contra Costa Animal Shelter
Central Contra Costa Sanitation District
Animal facility wash down

City of Livermore
Fire fighting



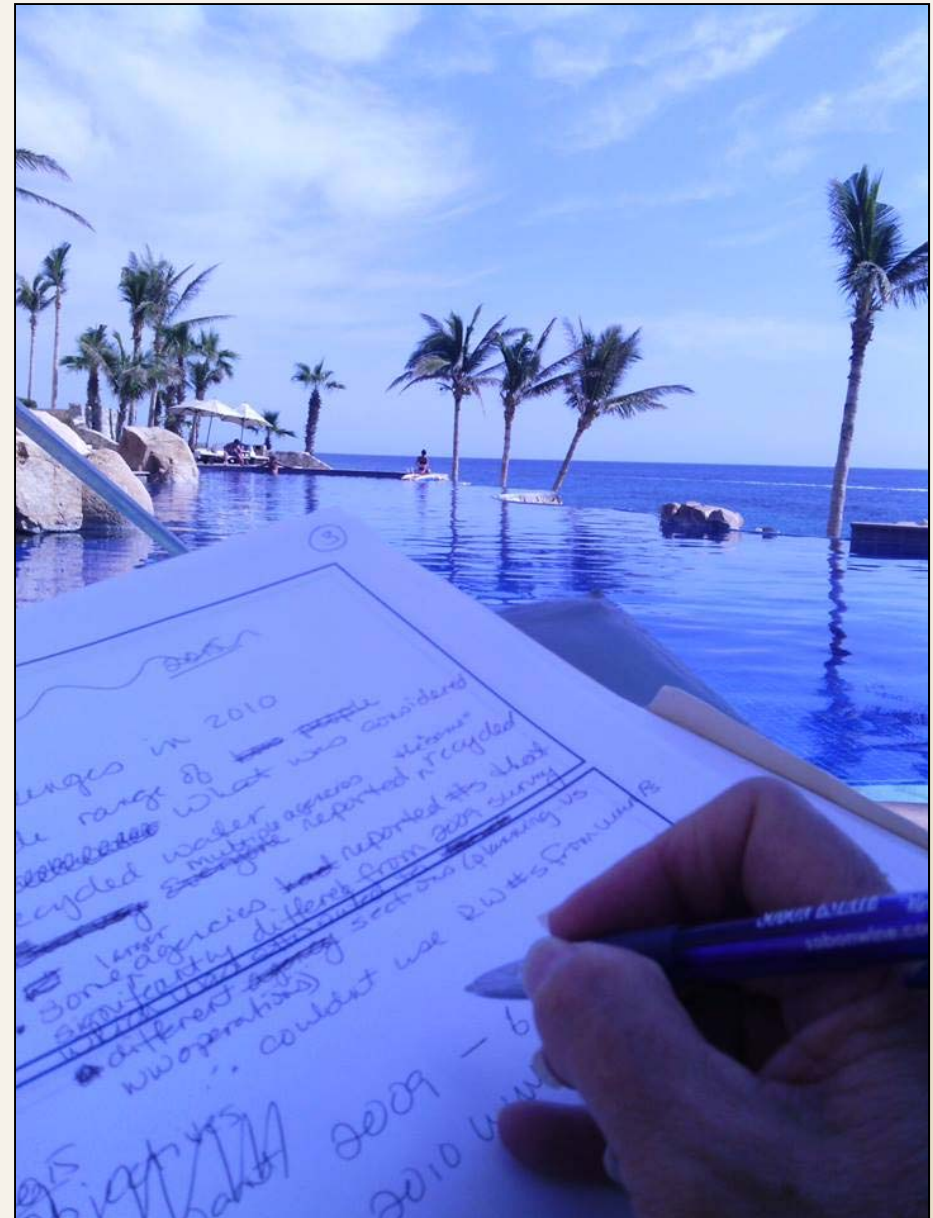


Proposed Recycled Water Schedule

- 2015
 - Complete UWMP Guidebook
 - Communicate Survey approach
- 2016
 - January-June: Small recyclers
 - July-December: UWMP preparers with recycling



**Preparing
for
today ...**





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