

“To Be Delivered” Material

For

City of Sacramento

**City Council
Housing Authority
Redevelopment Agency
Economic Development Commission
Sacramento City Financing Authority**

Agenda Packet

For the Meeting of: March 3, 2009

The attached materials were not available at the time the Agenda Packet was prepared.

Subject: Workshop: Water Conservation

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Please include this “To Be Delivered” material in your agenda packet. This material will also be published to the City’s Intranet.

For additional information, contact the City Clerk Department at Interim City Hall, 730 I Street, Suite 211, Sacramento, CA 95814-2671 – (916) 808-7200.

Water Conservation Workshop

March 3, 2009

Workshop Agenda

- Introduction
- State and Regional Outlook
- Water Conservation Efforts
 - Tools for Water Savings
- Proposed Changes
- Next Steps

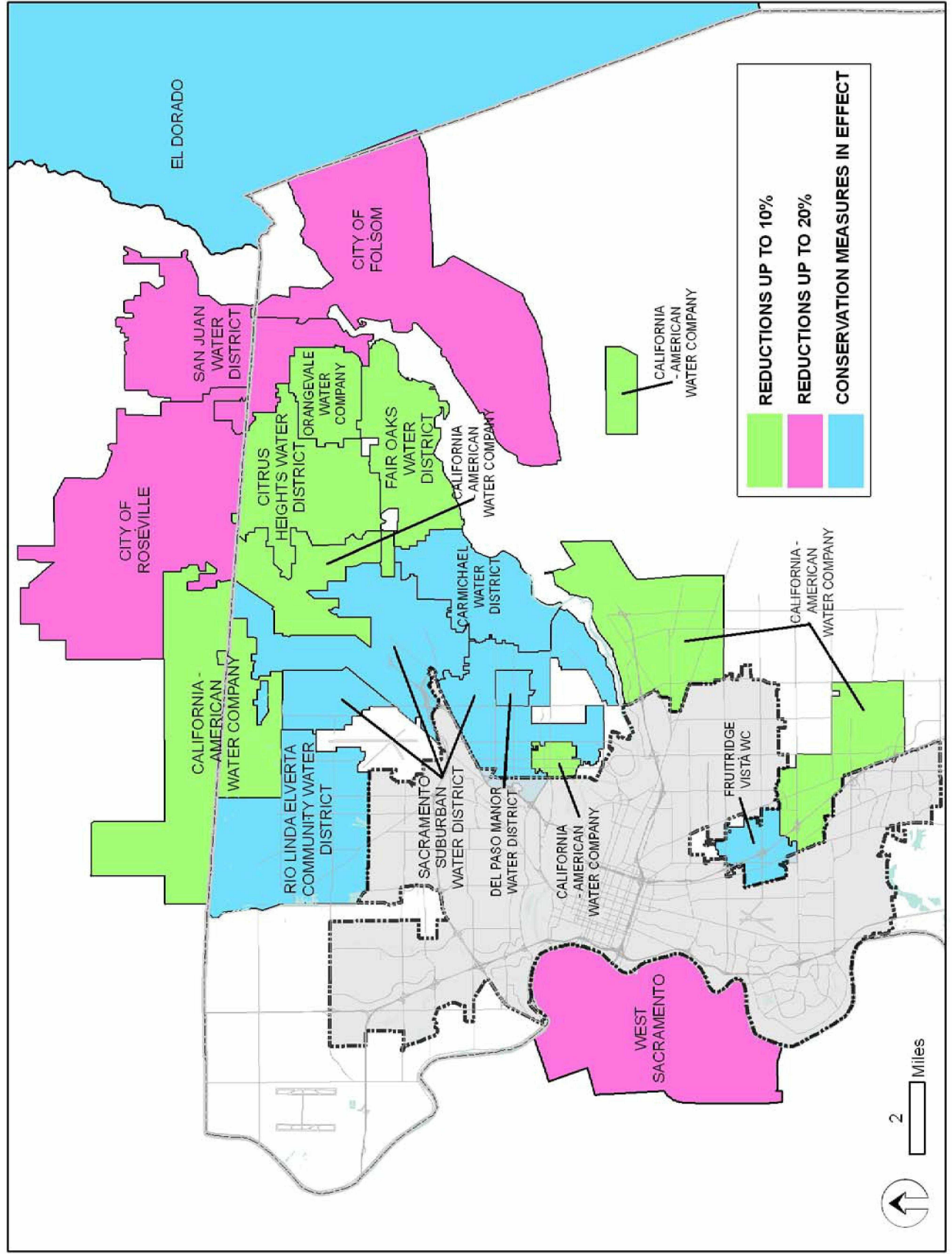
Our Water Rights

- American River: 245,000 Acre Feet per Year
- Sacramento River: 81,800 Acre Feet per Year
- Groundwater: Approximately 20,000 Acre Feet per year
- Sacramento Avg. consumption:
 - 280 gal/capita/day
- Statewide Avg. Consumption (gal/capita/day):
192 gal/capita/day



Stewardship

- Sustainability
 - Environmental Benefits
- Governor's Proposal for 20% reduction by 2020
- Resources



Water Supply Conditions for 2009

Sacramento City Council
Water Conservation Workshop
February 24, 2009

John Woodling
Regional Water Authority

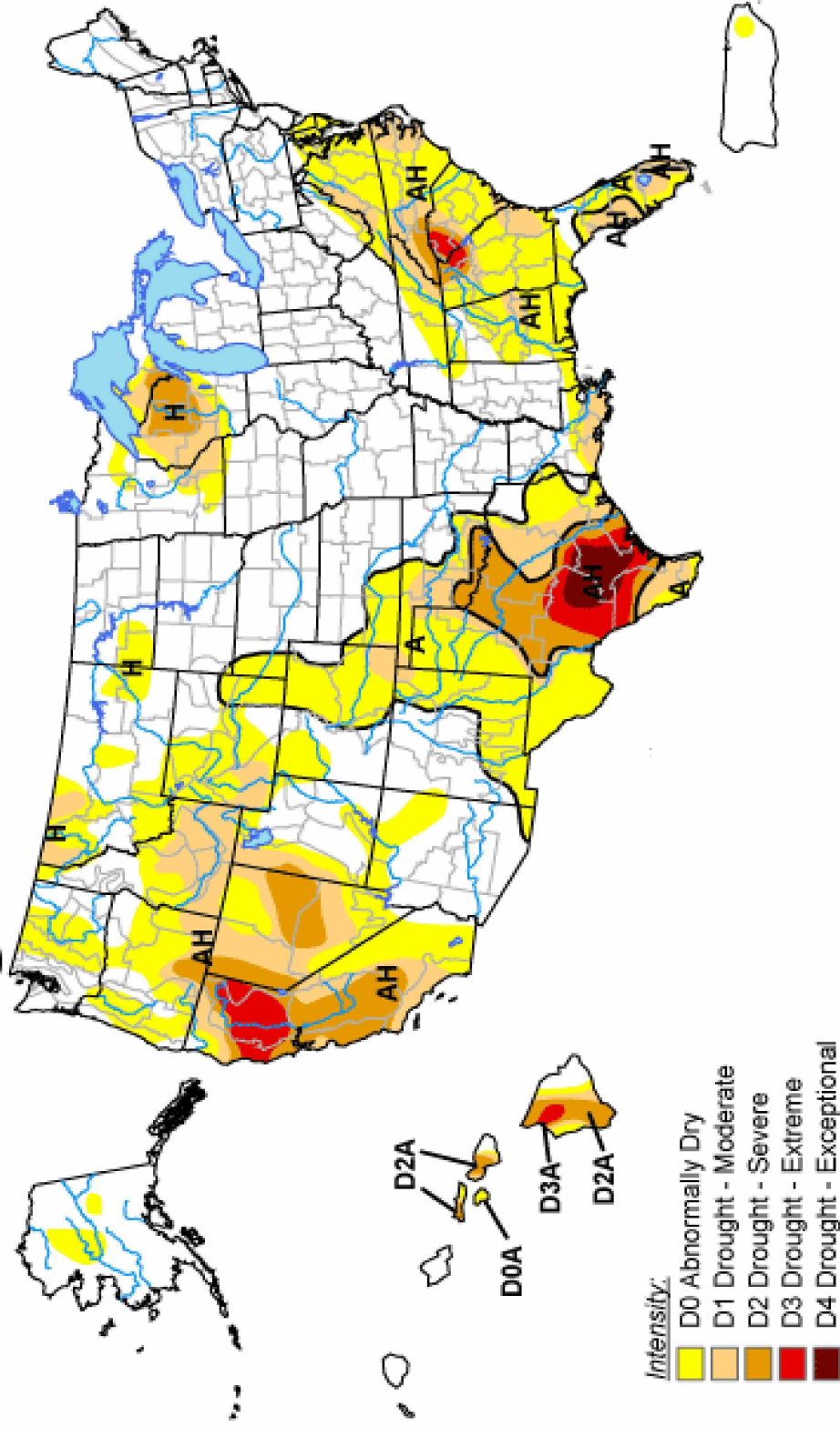


Overview

- Statewide Conditions
- Regional Conditions
- Regulatory Considerations
- How do we address this?

U.S. Drought Monitor

February 17, 2009
Valid 8 a.m. EST



U.S. Drought Monitor

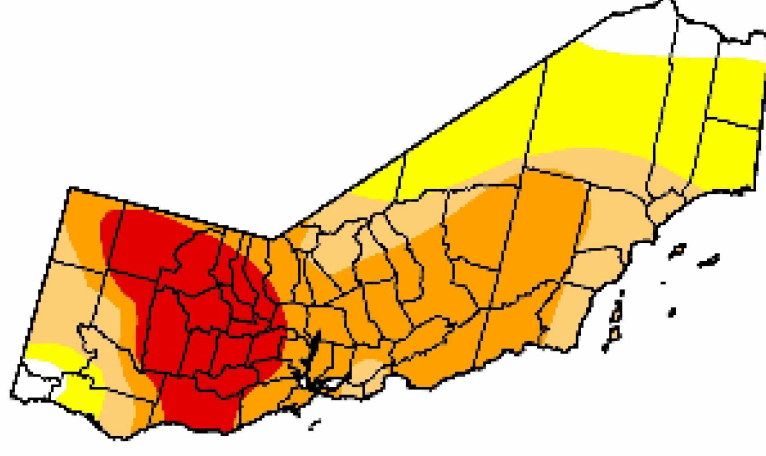
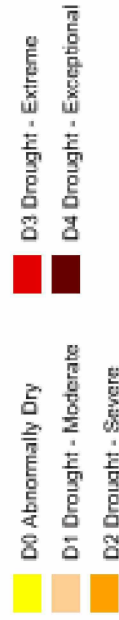
California

February 17, 2009
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	5.2	94.8	70.7	50.1	16.7	0.0
Last Week (02/10/2009 map)	0.9	99.1	78.8	54.7	19.0	0.0
3 Months Ago (11/25/2008 map)	4.7	95.3	86.0	41.3	0.0	0.0
Start of Calendar Year (01/06/2009 map)	1.7	98.3	88.2	41.3	2.8	0.0
Start of Water Year (10/07/2008 map)	0.0	100.0	95.9	55.0	0.0	0.0
One Year Ago (02/19/2008 map)	18.3	81.7	37.5	14.1	0.0	0.0

Intensity:



How Dry Is it?

“California is facing the most significant water crisis in its history.” — California DWR

- Sierra Snow pack – 70% of normal
- CVP Allocation – 50% M&I, 0% ag
- SWP Allocation – 15%
- Three consecutive dry years, six of last eight
- Governor’s Executive Order
- Drought Water Bank

Folsom Lake

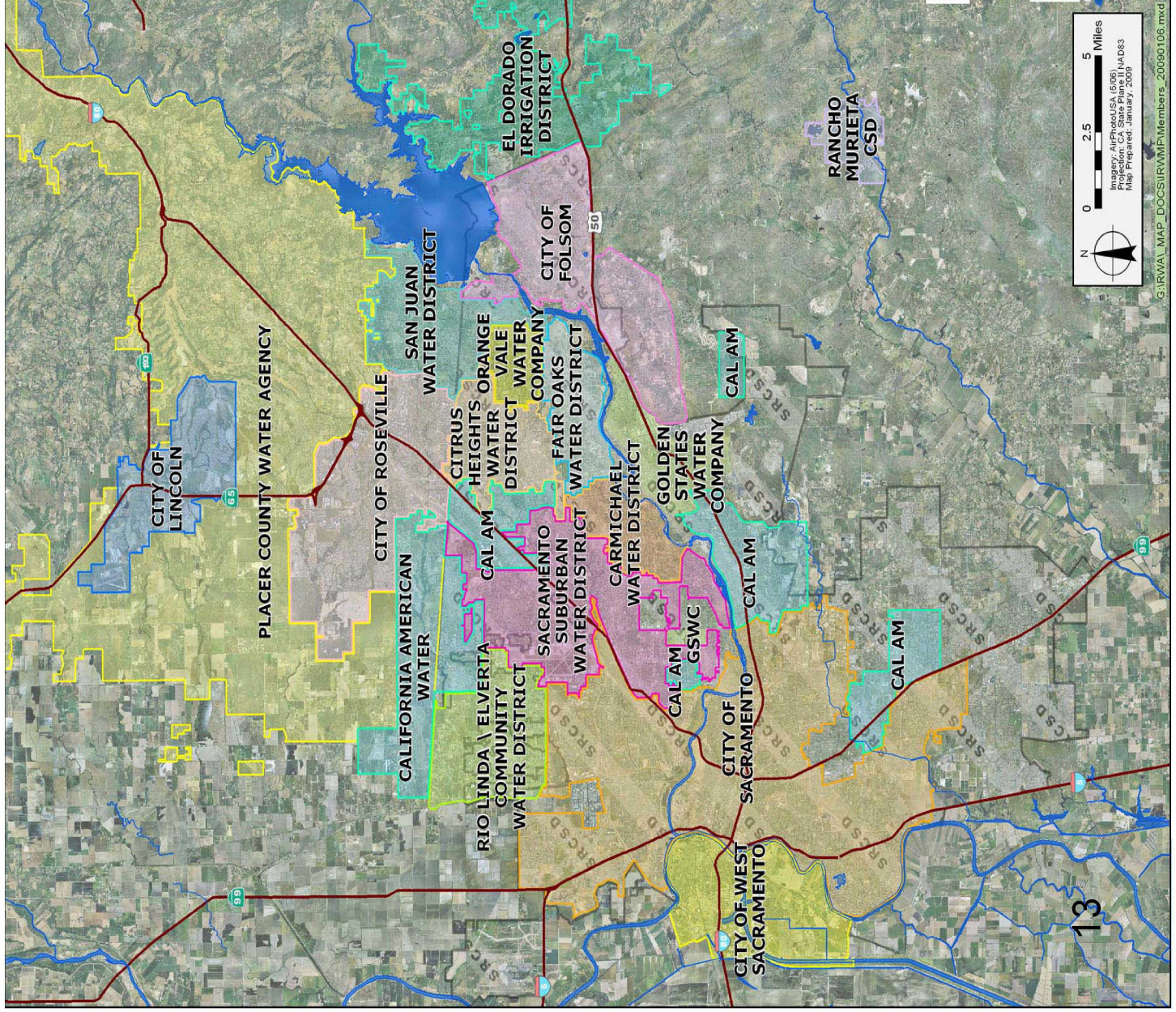


What Does it Mean for the Region?

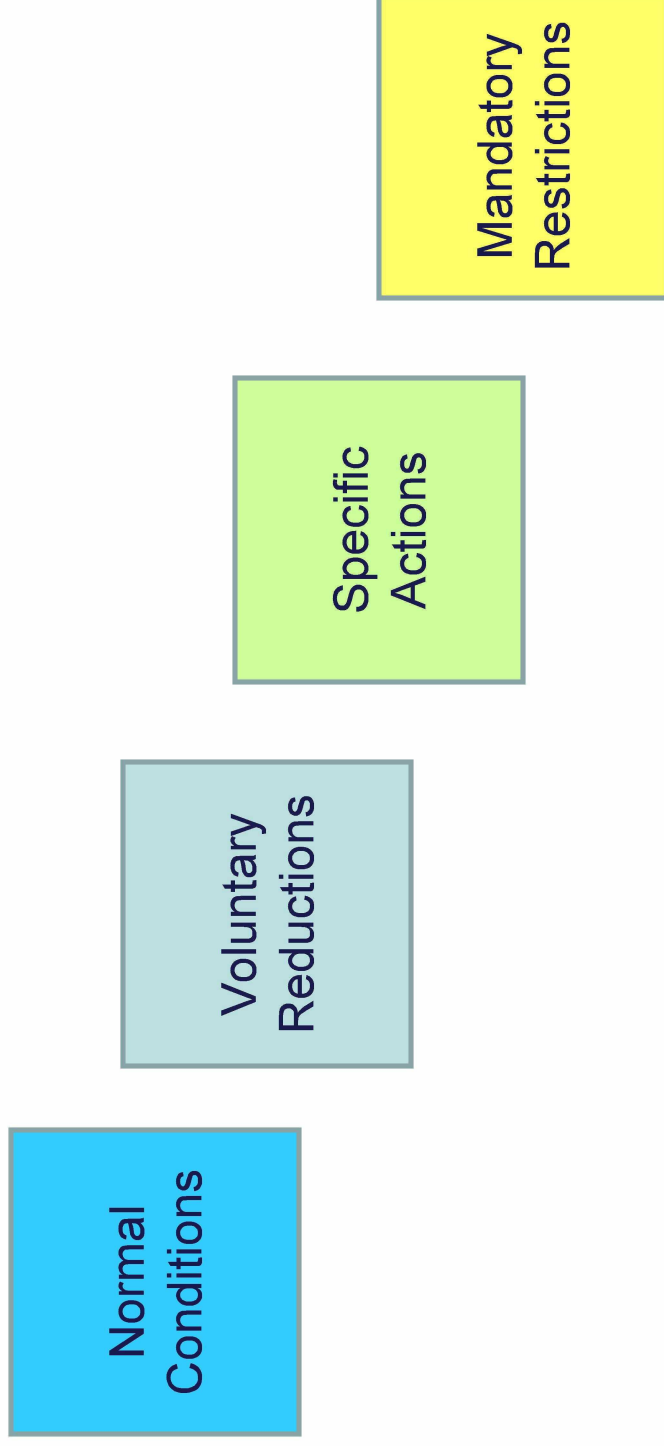
That depends....

- Conditions are unique for each water supplier
- Water source, water rights and contracts, diversion location, access to groundwater, facilities all vary
- Drought stages not fully coordinated or consistent

The Greater Sacramento Region



Water Shortage Contingency Plans



Efficient use	5-25% Conservation Outreach	Watering Schedules Enforcement	Rationing
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Regulatory Considerations

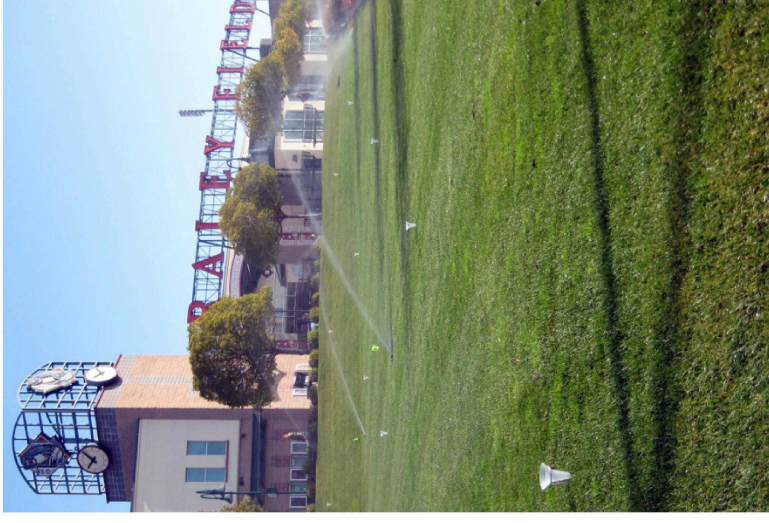
- 20x2020
- Delta Vision
- AB 49
- AB 32
- Model Landscape Ordinance

How do we address the long term?

- Integrated Water Management
 - Efficient water use
 - Conjunctive use
 - Recycled water
 - Groundwater cleanup
 - Transfers
 - Environmental stewardship
 - Regional collaboration

Regional Water Efficiency Program

- Education and Training
 - homeowners, contractors
- Outreach
 - Regional media messages
- Services
 - household and business audits
- Incentives
 - Rebates, partnerships
- Funding
 - Regional grants



Questions?

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Water Conservation Program



History of Water Conservation

- 1991- Signed the CUWCC Agreement and BMPs.
- 1999- City of Sacramento Department of Utilities Water Conservation Office established
- 2000- Signed the Water Forum Agreement
- 2001- Joined Regional Water Authority

What do these commitments mean

- Better stewards of our water supply
- Implement additional tools
 - Meters
 - Education/Outreach
 - Ordinances
- Potential Financial Impacts

Meters and Conservation

- Achieves equity amongst user classes
- Provides customer water usage data on monthly Utility Bills
- Serves as a tool to encourage customers to do water audits, replace inefficient plumbing fixtures, install drip irrigation and monitor outdoor irrigation controllers – year round
- Allows customers to control costs
- Encourages customers to appreciate the “value” of our water

Progress to Date: Meter Implementation

- Unfunded State Mandated Program
- 2005: 107,000 meters needed to installed and 952,458 feet of pipe needed to be replaced (est. cost= \$350 million)
- Total number of meters installed since 2005: 4700
- Construction costs to date: \$18.4 million

Outreach and Education Efforts

- Increase education during summer months
- Advertising reminding water conservation
- Participating in neighborhood discussions and newsletters with information about conservation
- Continued participation in regional outreach efforts, such as RWA

Water Conservation Seminars

- Limited sprinkler use doesn't mean a brown lawn.
- Working with Neighborhood Services/Parks and Recreation on workshops and demonstration garden
- Free seminars offered by staff monthly during summer months

Spare the Water Day

- Day would recommend limitation of water use on a Spare the Water Day
 - These days would go into effect with long periods of hot weather that put a drain on water supply and treatment plants.
 - Ex. Three days or more of anticipated 100+ degree temps might trigger Spare the Water Days.

Current Water Conservation Ordinance

- Substandard Fixture: customers cannot waste water due to substandard fixtures or water devices.
- No excessive run-off.
- Landscaping regulations
- Limited washing sidewalks or driveways
- Violations are provided written notifications, fines after third or more violation in a season.

Proposed Changes to Conservation Ordinances

- Limit residential and commercial irrigation
- Enforce watering days
- Implement fines
- Retrofit upon sale

Proposal: Limiting Irrigation

- Current Ordinance allows irrigation to occur any time of the day or night, except noon- 6 p.m., not exceed 30 minutes per station with automated sprinklers or 2.5 hours with a hose in a calendar day.
- Proposed: No irrigation between 10 a.m. and 6 p.m.
- Proposed: Seasonal Watering Schedules, limit watering to 1 day per week based on address in the winter months.

Proposal: Enforcement of Watering Days

- Current ordinance: No watering Monday. Addresses ending in 1,3,5,7, or 9 may water Tues., Thurs, or Sat. and addresses ending in 2,4,6,8 or 0 may water Wed, Fri, and Sun.
- Proposal: During declared water shortages, irrigation would be further limited.

Proposal: Require Water Conservation Retrofits

- As a condition of sale of properties within the City of Sacramento, require that water efficient tools be installed on the property.
- These tools could include:
 - Ultra Low Flush or High Efficiency Toilets
 - Low-flow Showerheads
 - Sprinkler timers

Proposed Water Conservation Efforts

- Expediting Meter Installation Program
- Increasing Water Conservation Commitments
- Increased Education to Customers
- Proposed Ordinance Changes

Next Steps

- Gather Feedback on Proposals
- Draft new ordinances
 - L&L, Council approval necessary
- Actively work to educate public as to new conservation efforts
- Continue to work regionally on outreach and education efforts