



Sacramento Water Recycling Coalition

Sacramento Central Groundwater Authority

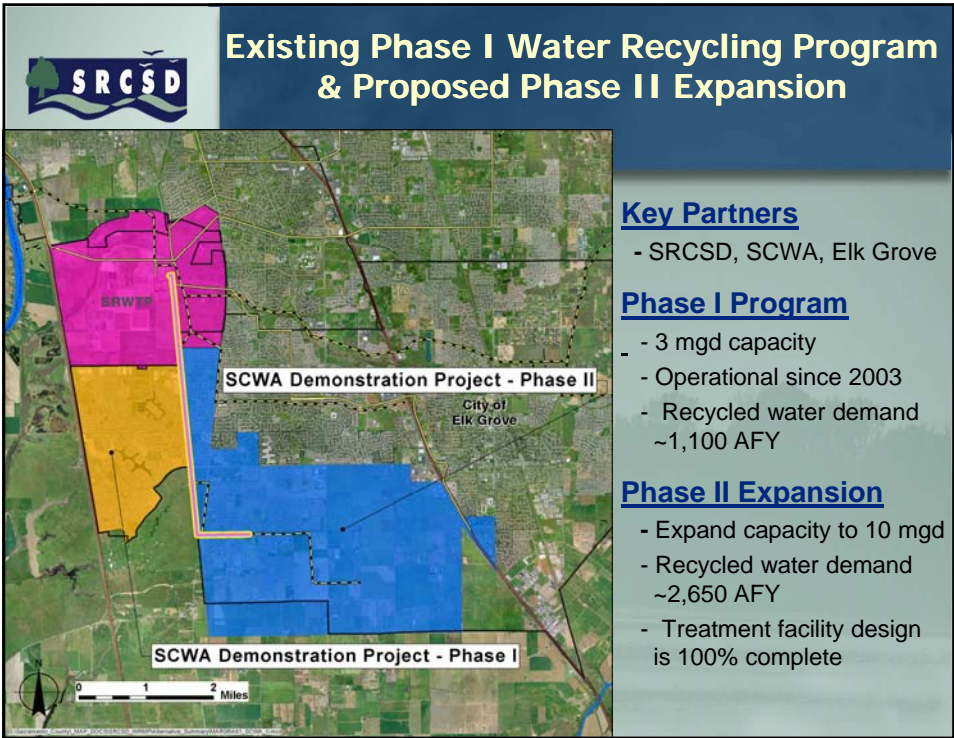
Lysa Voight & Jose Ramirez

November 10, 2010



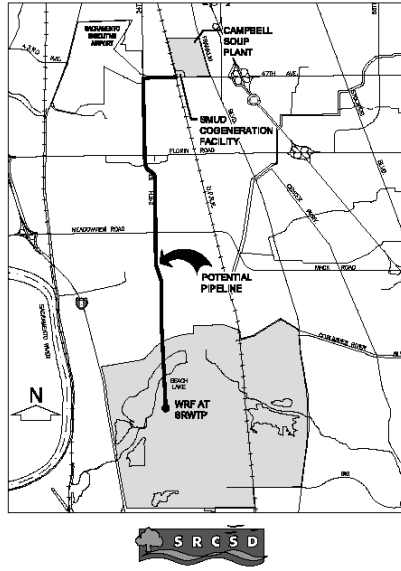
Overview

- SRCSD and Water Recycling Program
- Water Recycling Efforts in Progress
- Regional Stakeholder Coalition
- Principles and Letter of Support



High Level Evaluation for 2 Cogen Facilities

**FIG. 1 VICINITY MAP
POTENTIAL RECYCLED WATER SERVICE FOR
CAMPBELL SOUP PLANT AND
SMUD COGENERATION FACILITY**



Key Stakeholders

- SRCSD, SMUD, and City of Sacramento

Cogen @ Campbell Soup

- Recycled water demand ~1,000 AFY

Cogen @ Procter & Gamble

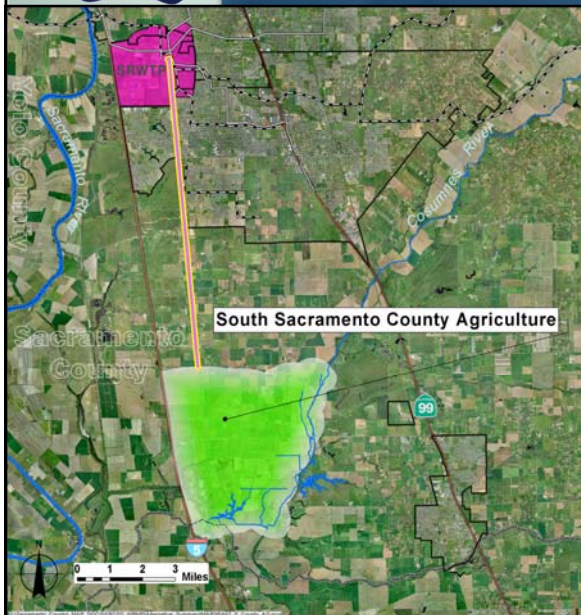
- Recycled water demand ~1,000 AFY

Rough Capital Cost Estimate

- Apx. \$10 M per facility
- Seeking State and Federal grant funding



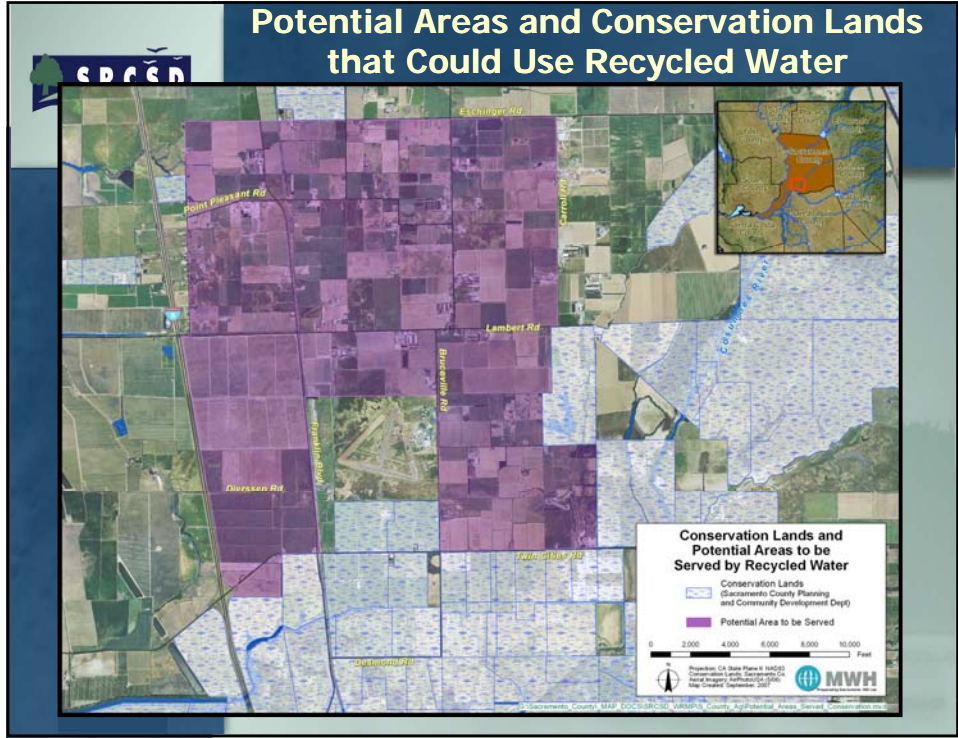
South Sacramento County Agriculture & Habitat Lands Recycled Water Project



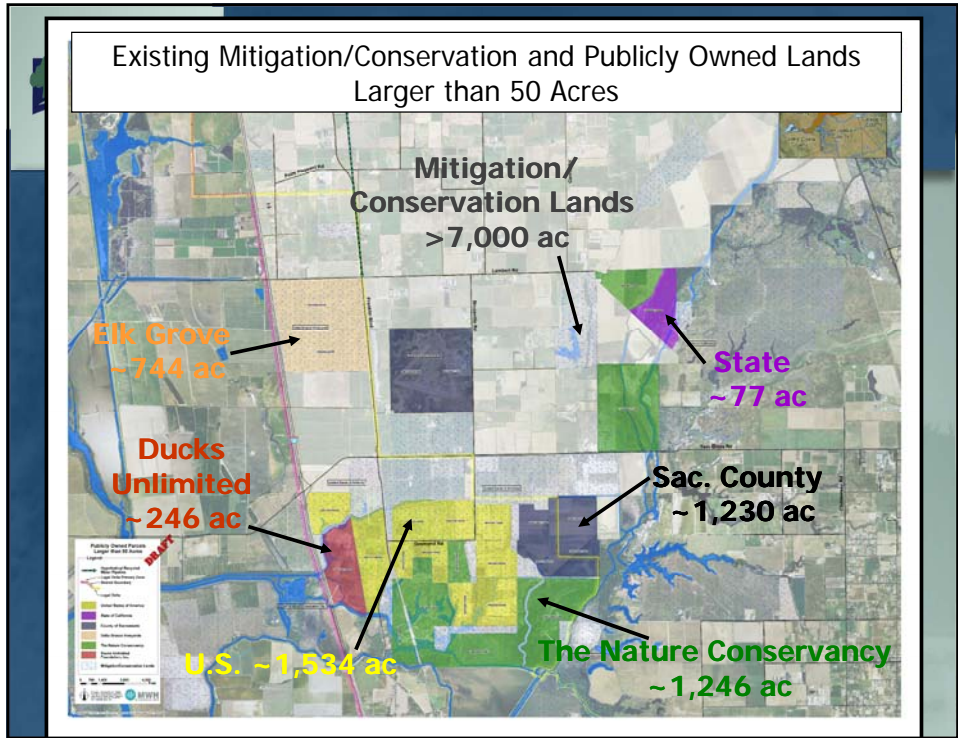
Project Elements

- Centralized Project
- Use of recycled water in-lieu of potable water sources to irrigate agricultural & mitigation lands
- Potential to irrigate 2,000 to >8,000 acres
- 48" diam., 10-mile long recycled water pipeline
- Pumping & storage facilities
- Multiple benefits

Potential Areas and Conservation Lands that Could Use Recycled Water



Existing Mitigation/Conservation and Publicly Owned Lands Larger than 50 Acres



Description	Secondary-23 Recycled Water		Tertiary Recycled Water	
	Option 1A (2,000 Ac)	Option 1B (8,000 Ac)	Option 1A (2,000 Ac)	Option 1B (8,000 Ac)
Annual Demand (AFY)	10,438	41,752	10,438	41,752
Capital Costs (\$ in millions)	\$68	\$130	\$116	\$293
O & M Costs per year (\$ in millions)	\$0.6	\$3.3	\$5	\$13
Total Cost per Acre-Foot	\$344	\$214	\$722	\$569

Formation of Stakeholder Coalition

Stakeholder Meetings

- June 3
- June 24
- August 31
- Sept 14
- October 4
- Pending January 2011



Sacramento Region Recycled Water Stakeholder Coalition Meeting Participants

Ducks Unlimited The Nature Conservancy
Sac County Water Agency
City of Elk Grove Sac County Planning
Sacramento County Parks City of Folsom
Sacramento Area Creeks Council
Farm Bureau WateReuse
Bureau of Land Management
US Bureau of Reclamation
Friends of Swainson's Hawk
Sacramento Central Groundwater Authority
Regional Water Authority



Additional Meetings to Gain Project Support

**Delta Protection Commission
Committees**

Sacramento County Farm Bureau

CA Department of Fish and Game

US Bureau of Reclamation



Recycled Water Benefits to the Region, the Environment

- **Reduces demands** on ground & surface water
- **Provides a new water supply** for the region
- **Provides environmental benefits**
- **Safe to use** (no documented health impacts)
- **Can be a source** of water for habitat
- **Supports agriculture**
- **Reduces discharges** to river
- **Supports state goals** for sustainability & efficiency



Package Presented Today for SCGA Consideration

Stakeholder Letter of Support
Stakeholder Statement of Principles

Requesting use of
Logo & Representative Signature

Use:
Appropriations Requests
Other Funding Requests
Political Support to Expand Recycling



Questions/Comments & Contact Information

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