This presentation premiered at WaterSmart Innovations

watersmartinnovations.com



Breaking the Water-Use Efficiency/Rate Increase Link

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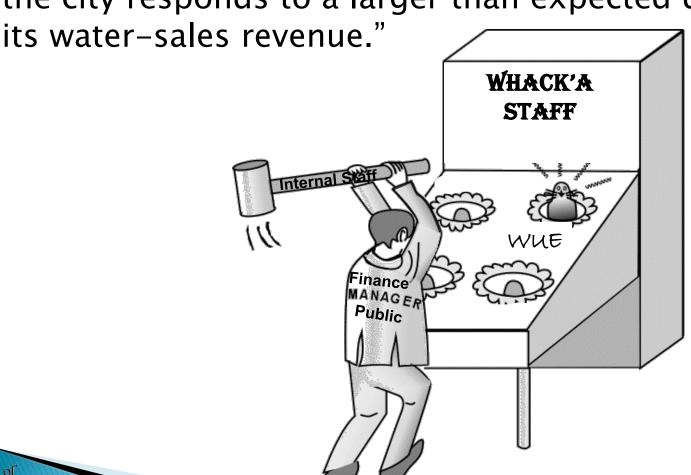


Breaking the Link

City of Santa Rosa Case Study

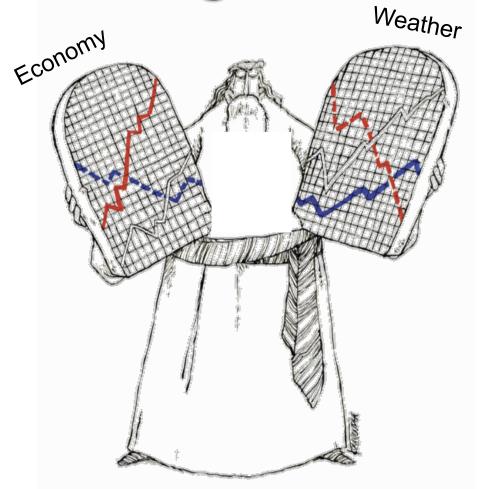


"Residents of xyz have done so well at conserving water this year they can expect a reward of an up to 40 percent increase in their water rates next year as the city responds to a larger than expected drop in





Telling the Truth

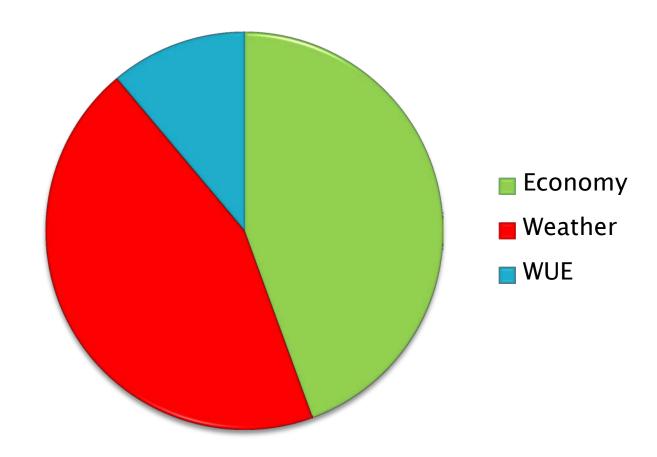


Water-Use
Efficiency may
cause short term
rate increases but
provides long term
rate benefits



Recent Water-Use Reductions

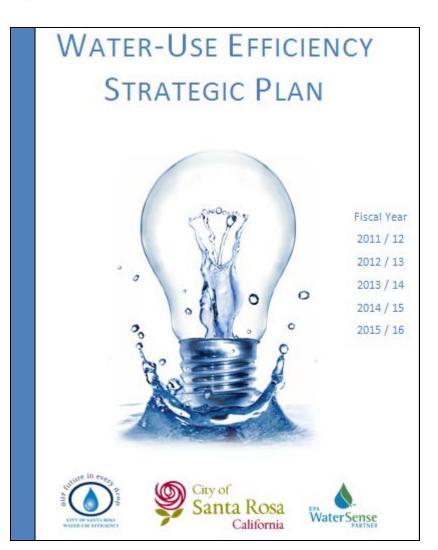
Biggest impact has been economy & weather...





Think Strategically

- Connection to Mission Statement
- Increase Operational Efficiencies
- Set Goals and Objectives
- Roadmap for the Future





Utilities Mission

Santa Rosa Utilities – Protecting public health by sustaining water and wastewater resources, infrastructure and the environment: *Our future in every drop*.







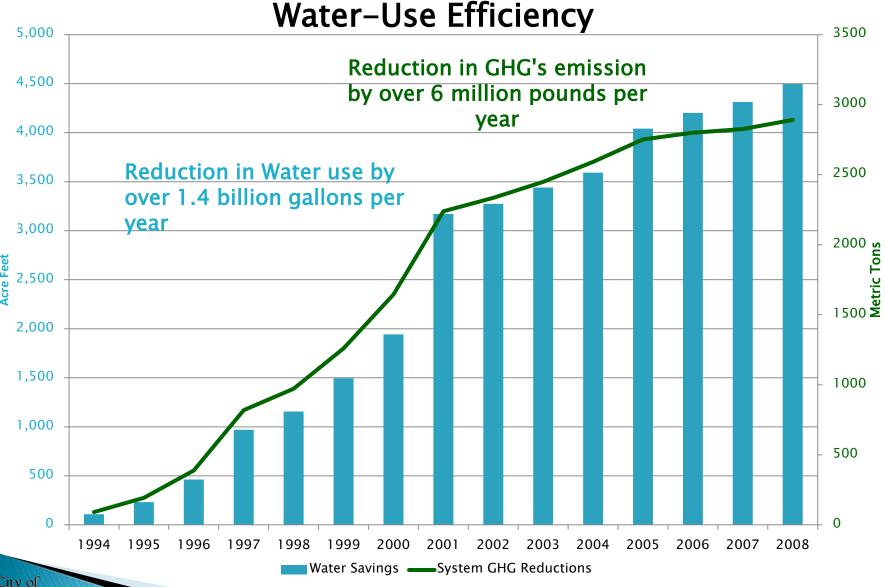


Build on Successes

- 4,500+ acre feet of water savings
 - 1.5 billion gallons per year
 - 20% reduction in demand
- ▶ 50,000 toilets upgrades
- 1.8 million square feet of lawn removal
- GHG reductions
 - 6 million pounds from Utilities operations
 - 12 million pounds from end-use (customer)



Utilities Water and GHG Reductions from





WUE / Mission / Rate Payer Benefits

- Meet Regulatory Requirements
- Reduce Utilities Expenses
 - Less pumping, treatment, wastewater treatment etc.
- Deferred CIP
 - Treatment plant expansion / upgrades
 - Water supply projects
- Meet Future Demand





WUE Related Regulations

- ▶ SBX7-7
- ▶ SB 407
- ▶ AB 1420
- ▶ AB 2717
- AB 1881
- ▶ AB 32
- ▶ SB 375
- Plumbing Code / Cal Green

- California Urban Water Conservation Council MOU
- SCWA Restructured Agreement for Water Supply
- Sonoma-Marin Water Saving Partnership





Reduce Utilities Expenses

- Pumping and treating 1.5billion gallons less / year
- Reduced treatment plant flows by 800 million gallons / year
- Cost \$900 / AF to treat water (\$2.25 million savings)



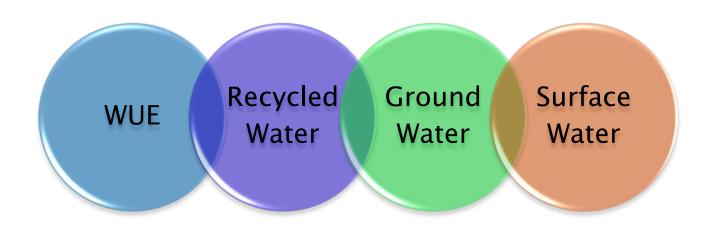
Deferred CIP

- Treatment plant expansion / upgrades
 - Late 1990's wastewater treatment plant nearing capacity in near future
- Water supply projects
 - Early 2000's wholesale water constraints
 - "Source" of water
- Annual debt service deferral of \$750,000 per \$10,000,000



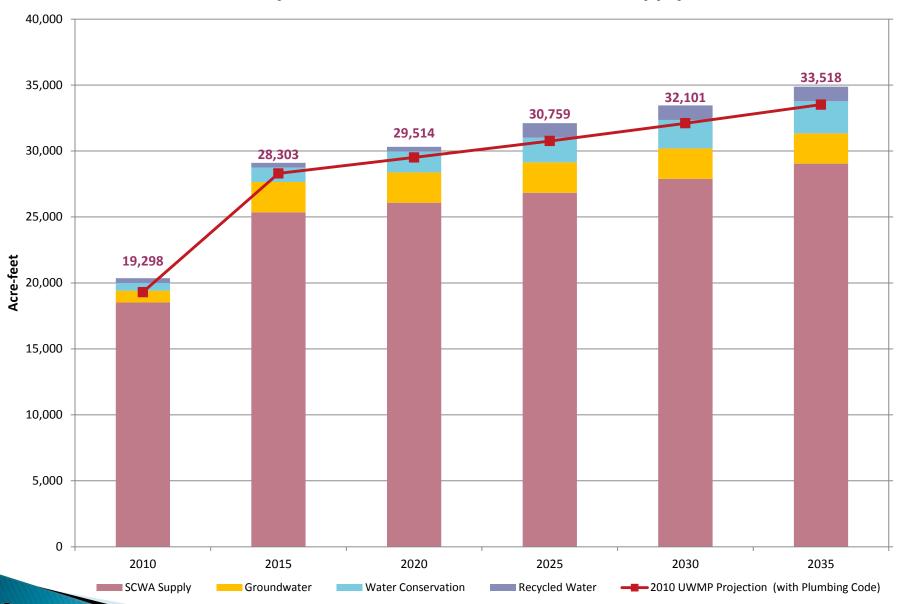
Meet Future Demand

What is the cheapest source?





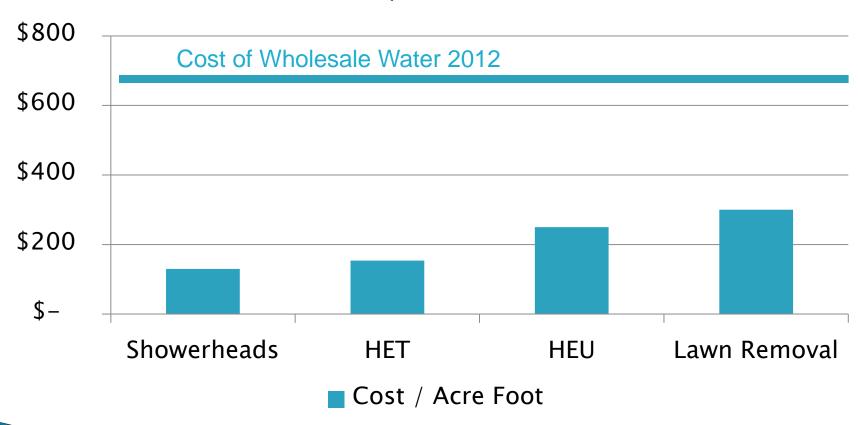
City of Santa Rosa 2035 Demand and Supply





WUE is Cost Effective

Cost / Acre Foot





Costs

Benefits

Program Costs

Reduced Water Use (not including weather/economy)



Costs

Benefits

Program Costs

Reduced Water Use (not including weather/economy) CIP Delay / Deferral (Millions / year)

Reduced Treatment, Pumping, Etc. (Millions / year)

Regulatory Compliance (Millions / year)





"Green Exchange" Rebate Program

Receive a rebate for removing turf or improving the efficiency of your irrigation system.



High-Efficiency Toilet Rebate Program

Program ended June 30, 2010



High-Efficiency Clothes Washer Rebate

Replace a top-loading clothes washer with a qualifying frontloading clothes washer and receive a rebate.



Rainwater Harvesting Rebate

Get a rebate for capturing rainwater and reusing it on your landscape.



Graywater ReUse Rebate

Reuse your graywater on your landscape and receive a rebate.



Water Conservation Check-up Program

This is a free onsite analysis of both indoor and outdoor water

- Urinal Programs
- Lawn Retrofits
- •Irrigation Upgrades
- Clothes Washer Incentives
- •High Use Audits
- Water Waste Program
- Workshops
- •Etc.







Communication Strategy

- Don't engage in illogical arguments
- Research the facts
- Education starts with your WUE Team
- Be ready for a long process
- Involve Senior Staff and Policy Makers



Wrap-up

- WUE Team =
 - Cost effective source of water supply
 - Dependable long-term water supply
 - Safe water supply during droughts
 - Reduced Utilities operating costs
 - Cost savings for CIP projects







Questions

