



Expectations:

Thursday, Oct. 10, 2013

It's dry out there — and it could stay that way. Experts predict above-average temperatures and lower-than-normal moisture amounts will be seen in the months ahead — and possibly as much as 15 more years. The cattle and agriculture industry is being hit hard and the prolonged drought is keeping water in limited supply for municipalities. (Source: Brown&Caldwell; USGS)

Tuesday, Oct. 15, 2013

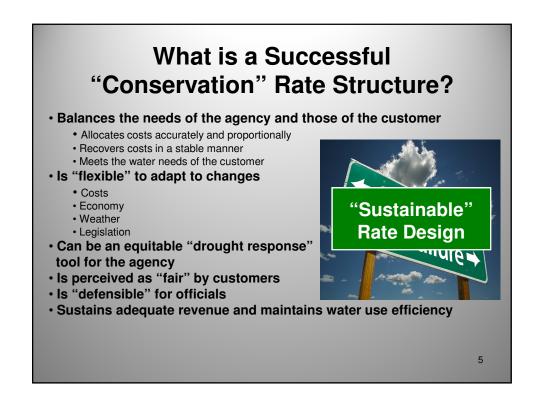
"Everyone will have to use a little less water each year..." (MWD General Manager)



"Water may be the most vital resource in every aspect of human endeavor, but the economics of water is a mash-up of tradition, wishful thinking, and poor planning." Charles Fishman, Author The Big Thirst, 2010

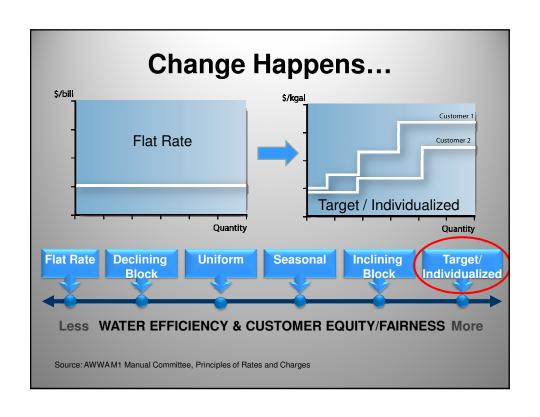


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Recovering "Necessary" (Fixed) Costs? The most controversial philosophical and practical policy dilemma for agencies is "how" to recover costs... • Recover "fixed" costs independent of water sales • Recover "fixed" costs in a "service" charge and efficiency tiers • It's okay to lose "variable" revenue • Be sure of "demand" analysis **Reliable "Fixed" Water, Sewer and Fire Protection Service **Water Water, Sewer and Fire Protection Service **Service** **Water Service** **Service** **Water Service** **Service** **Service** **Service** **Service** **Service** **Water Service** **Service** **Servi





Change

Why Change:

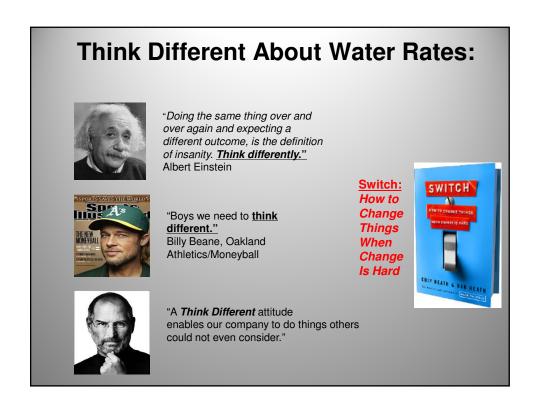
- Does the agency lose money when less water is sold?
- Do customers complain about tiers?
- Do customers complain about "fairness"?
- Do customers complain about service charges?
- Does the agency "need" to sell a certain amount of water to meet budgets?
- · Is "conservation" necessary?
- Does the rest of the agency believe conservation is necessary?

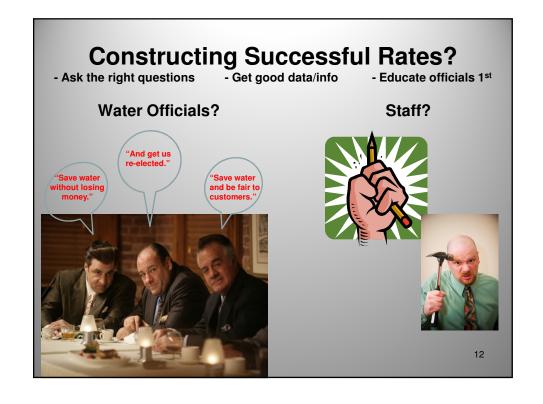
Why No! to Change:

- · It is too expensive
- It is too hard
- · It takes too much data
- This is how we have done it...
- Customers won't understand

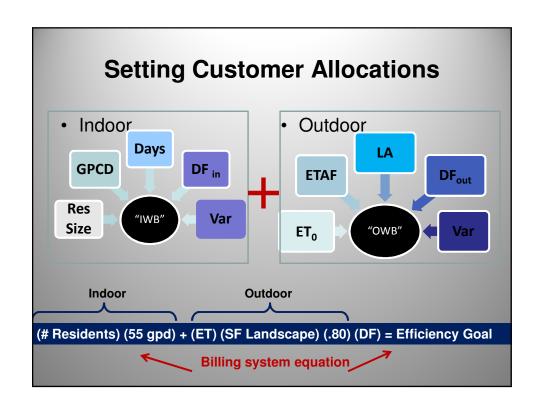


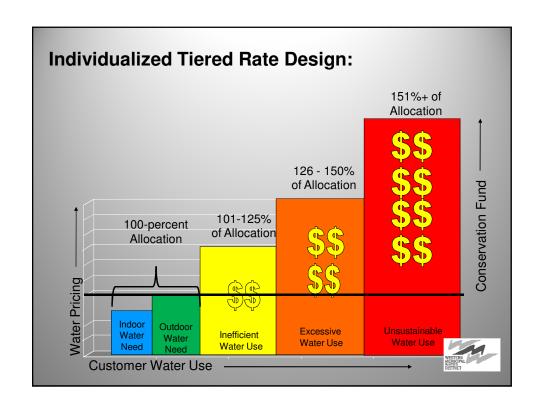
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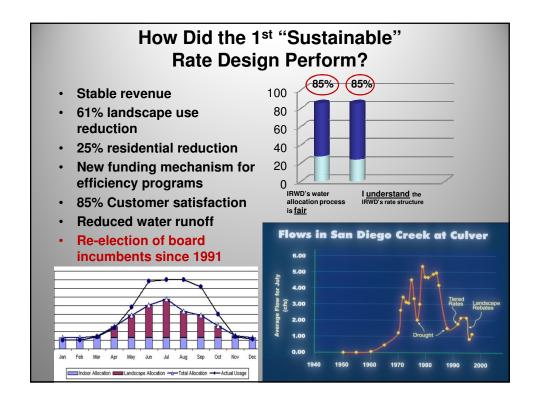


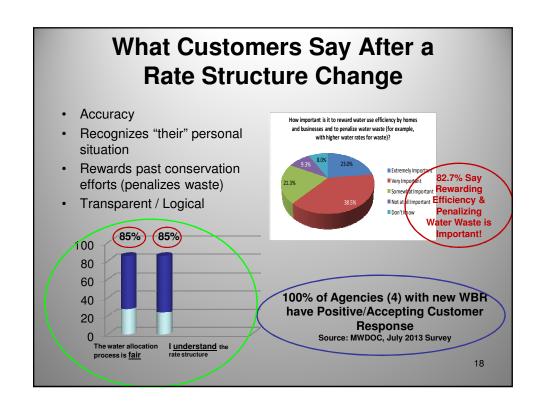












What Agencies Say about their Individualized/Sustainable Rate Design

The water budget rates have stabilized revenue, and people now pay attention to leaks and water waste. The rate structure has worked just as it was intended." - Palmdale WD Asst. GM

"Customers have reduced use 13%, revenue recovery is up 6% and we have funding for conservation programs paid for by water wasters."

- EMWD CFO

"We recover 80% of our fixed costs on the fixed service charge. Our revenues are right where we estimated even with significant water savings."

- RCWD Customer Service Mgr

"We have more tools to help customers keep their bills down." – WMWD Customer Service Representative

"I was the biggest skeptic. Now I am the biggest supporter of water budget rates."
WMWD Finance & Customer Service Mgr.

Moulton Niguel WD (after 2.6 yrs)

- 87% of customers meet allocations
- Revenue stable
- New source for "conservation" funds

"There's no negatives to this from a cost and PR standpoint <u>IF</u> you put in the proper effort." Charles Roy, MNWD Customer Service and PR Mgr.

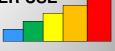
Western MWD (after 2 years)

- 85% of customers meet allocations
- Increased customer services
- Revenue up 7% and meets costs of service
- More Conservation funds are available to assist customers (paid only by water wasters)

"We had a payback for the new rate structure implementation within 6 months." Tim Barr, WMWD project mgr.

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CHANGES IN "OVER-BUDGET" WATER USE



PERIOD	TOTAL DEMAND	TIER 3	TIER 4	TIER 5	TOTAL PENALTY
1/12 – 6/12	10,585af	529af	298af	705af	1,532af
1/13 – 6/13	9,569af	402af	199af	413af	1,014af
	- 10%	- 24%	- 33%	- 41%	- 34%

What Changes at an Agency 10% Board education Customer data collection · Financial modeling Billing system software **Before** After Staff training for the new "tool" of Efficiency-based rates Working with customers Revenue Conservation Targeted Conservation programs funded only by • 86% of customers meet their billing period allocations inefficient customers • 100% of conservation programs funded w/out Operating budget funds • 6 months return on rate structure investment • 7% revenue increase • 4% increase in conservation • 0 mixed messages to the customer • 0 revenue shortfall if customers use less water

