How CVWD is working to achieve 36% conservation mandate

John Powell, Jr.
Board President, CVWD

RWQCB Drought Workshop
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Coachella Valley Water District

* 1,000 square miles primarily in eastern Riverside County
* $330 million Budget
* Several fields of service
  * Domestic water service (108,000 accounts)
  * Sanitation collection & wastewater recycling
  * Agricultural irrigation & drainage
  * Groundwater replenishment
  * Stormwater protection
* Increased budget for overseeding is eliminated
* Leaks shall be repaired as soon as practicable
* Run-off and hard surface restrictions extended to all water types

Encourage:
* HOAs and cities to suspend fines for brown grass
* HOAs to adopt and enforce restrictions
* Use of pool covers and smart controllers

Discourage:
* Refilling pools; planting spray-irrigated flower beds
* Use of decorative fountains and water features
* Not subject to Prop 218, not based on cost of service
* Utilizes penalty to encourage reduced water use 36% below regular monthly water budget
* Rewards those who have taken steps to conserve in the past
* Approx. 45% of customers will be affected
## Current Budget Based Tiered Rates per Ccf Residential Customers

<table>
<thead>
<tr>
<th>Tier 1: Excellent</th>
<th>10 Ccf</th>
<th>90% of Base Rate</th>
<th>$1.01</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tier 2: Efficient</td>
<td>105% of budget</td>
<td>Base Rate</td>
<td>$1.12</td>
</tr>
<tr>
<td>Tier 3: Inefficient</td>
<td>105 – 150% of budget</td>
<td>15 x Base Rate</td>
<td>$1.68</td>
</tr>
<tr>
<td>Tier 4: Excessive</td>
<td>150 – 250% of budget</td>
<td>2 x Base Rate</td>
<td>$2.24</td>
</tr>
<tr>
<td>Tier 5: Wasteful</td>
<td>Over 250% of budget</td>
<td>4 x Base Rate</td>
<td>$4.48</td>
</tr>
</tbody>
</table>

* Encourages efficient water use  
* Budgets are customer specific  
* Takes into account changes in weather  
* An efficient customer with 43 Ccf budget pays:  
  \[10 \text{Ccf} \times $1.01 + 33 \text{Ccf} \times $1.12 = $47.06\]
Stage 3 Penalty Schedule ($/ccf)

Penalties will affect approximately 45% of customers given current consumption levels.

Basic water rates:
- Tier 1: 64%
- Tier 2: 36%
- Tier 3: $3.34
- Tier 4: $5.01
- Tier 5: $10.03
Budget Based Tiered Rates with a Drought Penalty for not reducing water use 36%

| Tier 1: Excellent | 10 Ccf | $101 | $0 |
| Tier 2: | With 36% less water use | $1.12 | $0 |
| → Penalty | Without 36% less water use | $1.12 | + | $2.51 |
| Tier 3: Inefficient | 105 – 150% of budget | $1.12 | + | $3.34 |
| Tier 4: Excessive | 150 – 250% of budget | $1.12 | + | $5.01 |
| Tier 5: Wasteful | Over 250% of budget | $1.12 | + | $10.03 |

* Does not change Budgets and Rates within Tiers
* Encourages reducing outdoor water use by 36%
* In effect a month after adoption
* A customer who uses 43Ccf would pay:
  - Penalty = (0.36 x 33Ccf x $2.51) = $29.82
  - Total Bill = $47.06 + $29.82 = $76.88
Rebate/incentive programs

Turf removal
* Nearly 6 million sq. ft. removed since 2009
* 2.3 million sq. ft this fiscal year

Smart controllers
* 2,800 since 2006
* 758 residential this fiscal year
* 278 large landscape

Nozzle replacement
* 13,587 replaced this fiscal year
Rebate/incentive programs

Toilet rebate
* 311 replaced this fiscal year

Indoor conservation kit
* 406 distributed

Water brooms & pre-rinse nozzles (newest program)
* 20 distributed
Outreach & Education

* Water Waste investigations
* Direct mailers
* Fact Sheets
* Flags and door hangers
* Yard signs
* Restaurant table tents
* Radio, TV and print ads
* Billboards
* Community presentations
* HOA, chamber newsletters, etc.
Thank you

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