

Southern California Water Committee Urban Water Planning Task Force

Transitioning to Budget-Based Rates During Drought

March 30, 2016

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General Manager

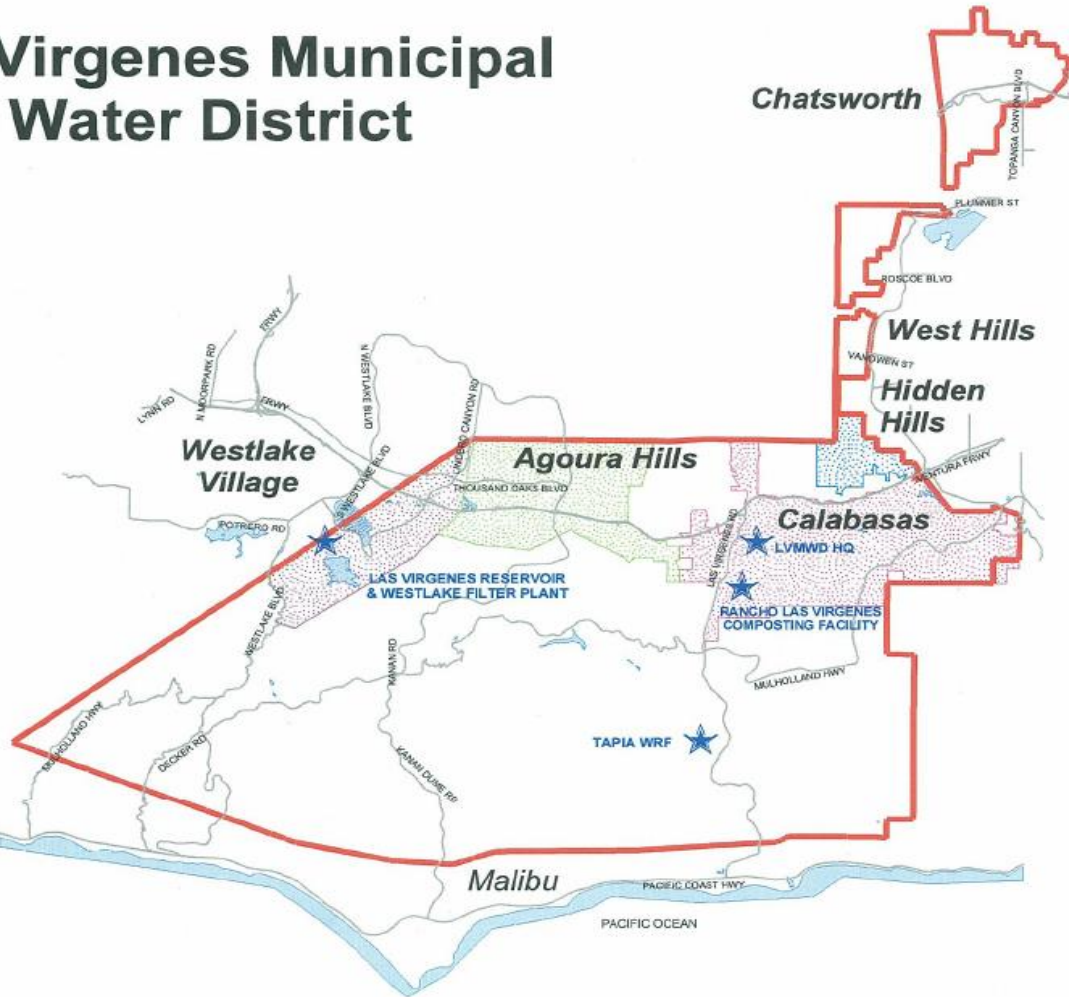


Las Virgenes Municipal Water District

viii



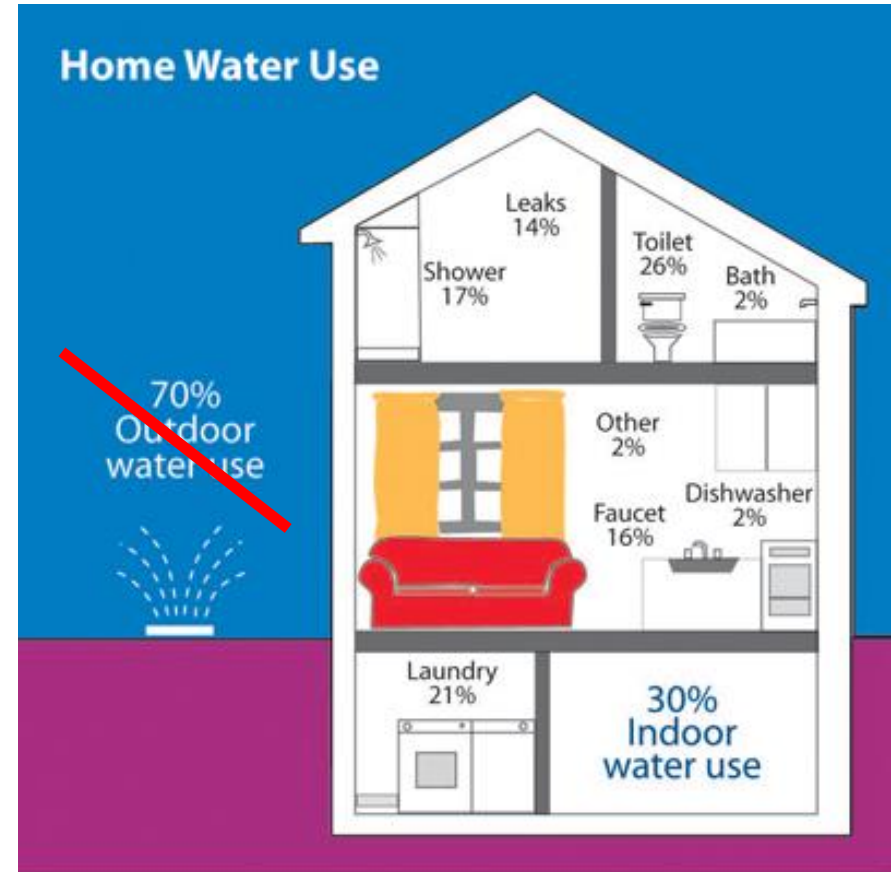
1 inch equals 15,000 feet



36% Conservation Standard

What does it mean?

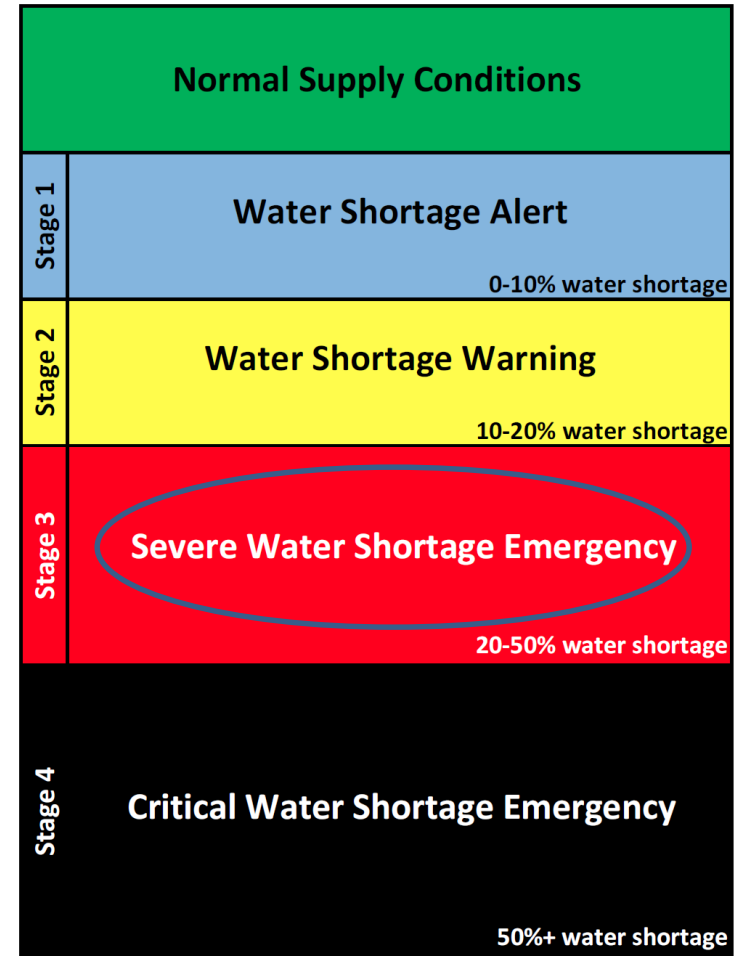
Cut outdoor water use by 50%









Water Shortage Contingency Plan

Time of Transition





- Action-Based Approach
 - Water Use Restrictions
 - Enforcement
- Performance-Based Approach
 - Budget-Based Rates
 - Volumetric Penalty

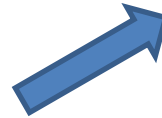


Watering Day Restrictions

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Even Addresses							
Odd Addresses							



	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Even Addresses							
Odd Addresses							



1 * and Done

* Even addresses - Monday
Odd addresses - Tuesday

LAS VIRGENES MUNICIPAL WATER DISTRICT

LVMWD.com/
IrrigationRestrictions



Enforcement

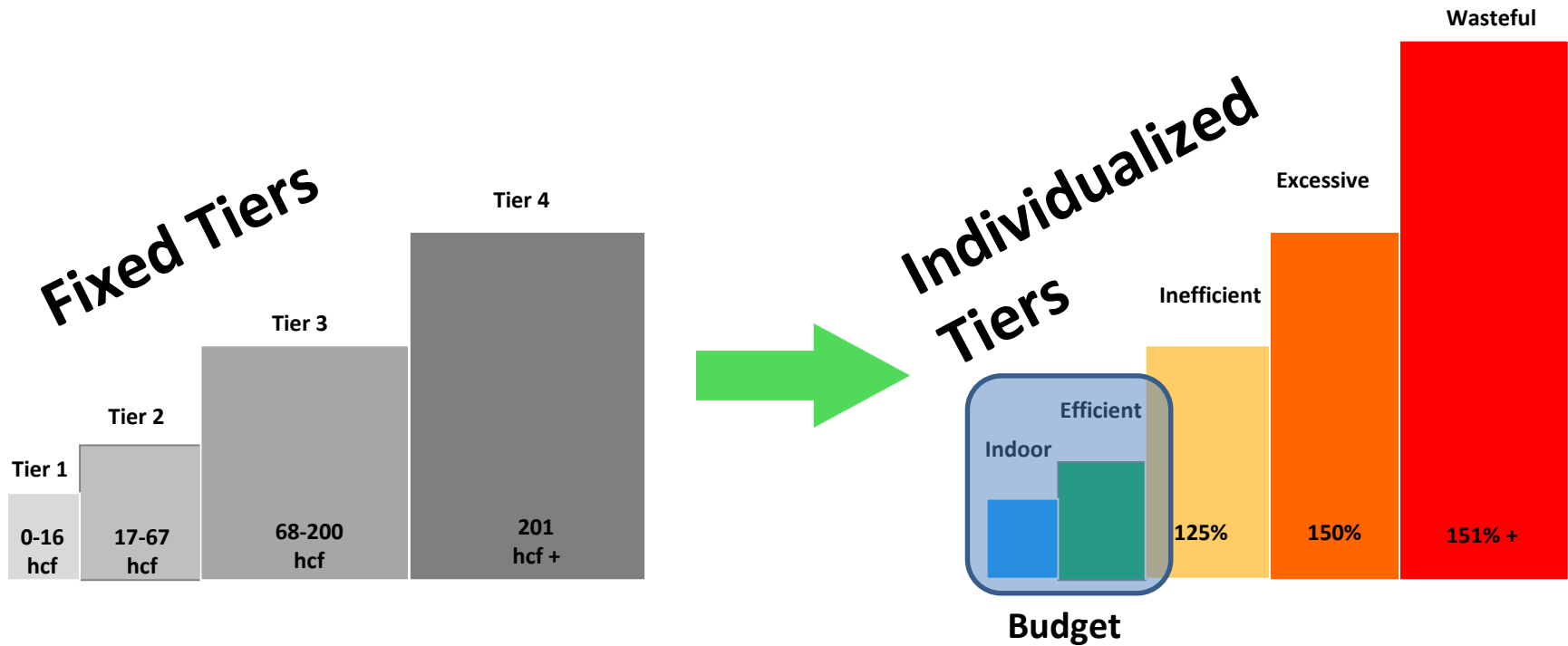


Violations: Total Since June 2015

1st - Warning Letter	2,608
2nd - \$100	174
3rd - \$200	32
4th - \$500	10
5th - Flow restrictor or service may be terminated	



Budget-Based Rates



The Water Budget

“Right-Sizing” Water Use for Each LVMWD Residential Customer

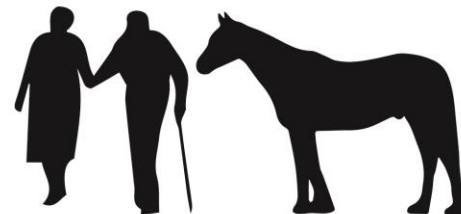
WATER BUDGET =



Indoor
(people)



Outdoor
(landscape)



Adjustment
(elderly care, horses, etc.)



The Water Budget

Indoor Use

Outdoor Use

$$\text{Water Budget} = (\# \text{ Residents}) (55 \text{ gpd}) + (\text{ET}) (.80) (\text{SF Landscape}) (\text{DF})$$

Evapotranspiration
Rate

Landscape
Factor

Drought
Factor



Emergency Regulations

- “One Size Fits All” approach does not recognize complexity
- R-GPCD is not a measure of efficiency
- Climate and population density matter
- Drought-resilient supplies need to be considered fully
- Hydrology does not support continuation of regulations in current form
- County-by-County measures better handled by local government



Long-Term Conservation Framework

- 20x2020 Water Conservation Plan
- Utilize Existing Efficiency Standards
 - SBx7-7: 55 gpcd indoor water use
 - AB 1881: Model Water Efficient Landscape Ordinance
- % of Customers Efficient

