

Beyond Drought: California's Proposed Plan for Long-Term Water Use Efficiency

**Conservation Action Committee
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Executive Order B-37-16

- } Signed by Governor in May 2016
- } Directed State agencies to establish long-term framework for water conservation and drought planning
- } State agencies:



Executive Order B-37-16 Themes

- } Eliminate Water Waste
- } Strengthen Local Drought Resilience
- } Improve Agricultural Water Use Efficiency and Drought Planning
- } Use Water More Wisely
 - } Establish long-term framework for new water conservation targets



Executive Order Directive – Use Water More Wisely

- } Establish long-term framework for new water use targets
- } Based on water supplier water budgets calculated from standards for four sectors:
 1. Indoor residential
 2. Outdoor landscape
 3. Distribution system loss
 4. Commercial, industrial, institutional (CII)



Proposed Indoor Residential Standard

- } Provisional standard of 55 GPCD
- } Revise downward in 2018 based on additional studies to establish 2025 standard
- } Reevaluate in 2025 to establish 2030 standard



Proposed Outdoor Landscape Standard

- } Based on Model Water Efficient Landscape Ordinance (MWELO)
- } Water budget based different ET adjustment factors (ETAF)
 - } Pre-2010 – 0.8 reference evapotranspiration (ET_o)
 - } 2010-2015 – 0.7 ET_o
 - } Post-2015 – 0.55 ET_o (residential) & 0.45 ET_o (commercial)
 - } Special landscape areas – 1.0 ET_o



Proposed Outdoor Landscape Standard

- } Conduct pilot study with ~30 agencies to verify landscape area and average irrigation rates
- } Measure statewide landscape area by 2017
 - } Includes residential and CII (if dedicated landscape meter)
- } Revise standard downward in 2018 to establish 2021 and 2025 standards



Proposed Water Loss Standard



- } Based on SB 555 standards
- } DWR developing rules for validations of water loss audits
- } Water loss audit data submissions due to DWR beginning October 2017
- } SWRCB rulemaking to set water loss standards to commence in 2019 with new standards in 2020



Proposed Water Use Target Calculation



Water supplier target calculated by adding sectors

Sector	Budget (HCF)	Budget (GPCD)
Indoor Residential	4,570,744	55
Outdoor Landscape	3,729,166	44
Water Loss	530,560	7
Target	8,830,470	106

Compliance Volume = Total Production – CII Mixed Meter Deliveries



Proposed CII Standard



- } Establish performance measures
 - } Dedicated irrigation accounts on outdoor irrigation budget
 - } Require classification (NAICS) by 2021 and develop benchmarks
 - } Require mixed meter accounts with a TBD landscape area threshold to install dedicated landscape meters by 2021
 - } Use audits and water management plans on subset of CII customers (based on volume, %, or #) to report efficiency in CII water use
 - } Establish CII reporting requirements



Proposed Implementation

- } Progress reports begin in 2019 to describe actions suppliers will take to meet 2025 requirements
- } Full compliance in 2025
 - } Document in 2026 compliance report & 2025 UWMP
- } State developing methods to support compliance from 2021 to 2025



Next Steps

- } Mid-November 2016 – Public draft report released
- } Comments due 10 days after draft report released
- } January 10, 2017 – Final report due to Governor
- } 2017 and 2018
 - } Rulemaking and legislation
 - } Form CII Technical Advisory Group to review implementation of performance measures, CII classification, and benchmark development

