



WATER LOSS PERFORMANCE STANDARDS (SB 555)

Riverside Public Utilities

Board of Public Utilities
December 12, 2022

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BACKGROUND

1. Adopted in 2015, Senate Bill (SB) 555 required:
 - a) Urban retail water suppliers to submit validated water loss audits by October 1, 2017, and each year thereafter.
 - b) The State Water Resources Control Board (SWRCB) to develop performance standards for the volume of water losses for urban retail water suppliers.
2. Larger regulatory framework – “Making Conservation a California Way of Life”
 - a) Assembly Bill 1668 (2018) – customer water use efficiency
 - b) Senate Bill 606 (2018) – water management planning
 - c) Senate Bill 555 (2015) – water loss from distribution system leakage



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OVERVIEW – WATER LOSS STANDARDS

1. Under SB 555, water suppliers must meet supplier-specific volumetric water loss targets by 2027, to be reported in 2028.
2. Compliance with the following:
 - a) Leakage reduction to comply with individual target
 - b) Data submission on data quality
 - c) Data submission on pressure management
 - d) Data submission on asset management
 - e) Maintenance of leakage at or below the volumetric real loss standard (beyond 2028)
 - f) Maintenance of apparent losses at or below the average baseline level
 - g) Annual reporting of breaks, repairs, and estimated water losses



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RPU'S VOLUMETRIC TARGET

Water loss targets are supplier-specific and are calculated by an economic model developed by the State Water Resources Control Board.

RPU's Baseline*	RPU's 2028 Target	Reduction from Baseline
68.6 gal/conn/day	60.1 gal/conn/day	11%

*The average of Real Loss from annual water loss audits for the period 2017 to 2020.



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ENFORCEMENT

In order of escalation, non-compliance will result in the following enforcement from the State Water Resources Control Board (SWRCB):

1. Meeting with SWRCB staff to discuss barriers to the supplier meeting their standard
2. Voluntary alternative enforceable agreement
3. Conservation order requiring additional actions by the supplier to come into compliance
4. Administrative civil liability of up to \$500 per day



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IMPACTS TO RPU

1. RPU is well positioned to meet its 2028 water loss performance standard.
2. Water Loss Program
 - a) Assist in recovering water lost through leaks
 - b) Meet and maintain compliance with regulatory performance standards in 2028 and into the future



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STRATEGIC PLAN ALIGNMENT



Strategic Priority 4 – Environmental Stewardship

Goal 4.2 – Sustainably manage local water resources to maximize reliability and advance water reuse to ensure safe, reliable, and affordable water to our community.

Cross-Cutting Threads



Community Trust



Fiscal Responsibility



Sustainability &
Resiliency



Equity



Innovation



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RECOMMENDATION

That the Board Public Utilities receive an update on California's newly adopted water loss performance standards (Senate Bill 555) for retail water suppliers.



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