Adjustment Provisions for Water Loss Performance Standards

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State Water Resources Control Board

February, 2019
Adoption of performance standards
By July 1, 2020

Comply with monitoring standards

Phase 1

- Grade 4 in AWWA water loss audit for average operational pressure
  October 1, 2021
- Submission of first Component Analysis
  December 1, 2022

Submit two Component Analyses for two separate years from 2023 to 2026

Phase 2

Comply with urban water use objective after initial implementation

Allowable real loss volume
Nov 1, 2027

Comply with allowable real loss volume after system-wide implementation
Nov 1, 2035

Phase 3

Annual compliance on a three-year average basis via water loss audits beginning October 2036
(Allowed variation within average: 5%)

Phase 4
Need for Adjustments

Inability to build capacity for timely compliance

New data

Data variability

System constraints

System constraints
Phase 1
Improved data collection and quality

Adoption of standards

• Compliance date for pressure monitoring
• Allowable water loss volume for Phase 2

Comply with grade 4 requirement

Submit Component Analysis

• Compliance date for Component Analysis
• Allowable water loss volume for Phase 2

July 1, 2020
Aug. 1, 2021
Oct. 1, 2021
Oct. 1, 2021
Dec. 1, 2022

Period to request adjustment specified in green text
Phase 2
Initial Implementation

Urban water use objective is calculated

Submit Component Analysis

Standard for Allowable water loss volume

Dec. 1, 2022
Dec. 1, 2023
Dec. 1, 2024
Dec. 1, 2025
Dec. 1, 2026
Dec. 1, 2027

Nov. 1, 2022
Nov. 1, 2023
Nov. 1, 2024
Nov. 1, 2025
Nov. 1, 2026
Nov. 1, 2027
Phase 2
Initial Implementation

Submit Component Analysis

Dec. 1, 2022

Urban water use objective is calculated

2023

Two submissions of Component Analysis

2024

Dec. 1, 2026

2025
Phase 2
Initial Implementation

Submit Component Analysis

Urban water use objective is calculated

- Allowable water loss volume for Phase 3
- % variability in allowable water loss volume

Dec. 1, 2022
Nov. 1, 2023
Sept. 1, 2027
Nov. 1, 2027

Period to request adjustment specified in green text
Phase 3
System-wide Implementation

- Sept. 1, 2027: Period to request adjustment in Phase 2
- Nov. 1, 2027: Reassessment of initial standards
- June 1, 2028: Reassessed standard for allowable water loss volume
- Oct. 1, 2028 to Oct. 2035: Reassessment by State Water Board
- Oct. 1, 2035: End of Phase 3
Phase 4
Ongoing Water loss Control

Oct. 1, 2035 onwards

Water Loss volume

Three-year average should comply with standard

Reassessed standard for allowable water loss volume

Annual water loss audits

Annual variability within 5%
Summary

Adoption of performance standards
By July 1, 2020

Phase 1

Adjustments filed
Aug 1-Oct 1, 2021

Adjustments filed
Oct 1-Dec 1, 2022

Phase 2

Adjustments filed for
water loss variability and
exceptional system conditions
Sept 1-Nov 1, 2027

Phase 3

Assessment of initial
performance standards
by State Water Board
June 1, 2028

Phase 4

Comply with monitoring standards
Grade 4 in AWWA water loss audit for average operational pressure
October 1, 2021

Submission of first Component Analysis
December 1, 2022

Submit two Component Analyses for two separate years from 2023 to 2026

Comply with urban water use objective after initial implementation
Allowable real loss volume
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Annual compliance on a three-year average basis via water loss audits beginning October 2036
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