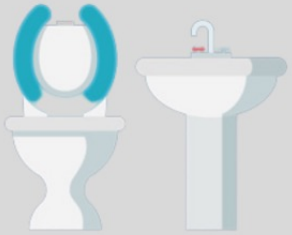
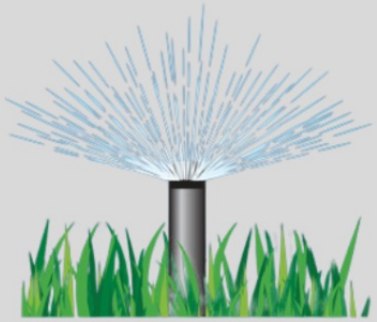
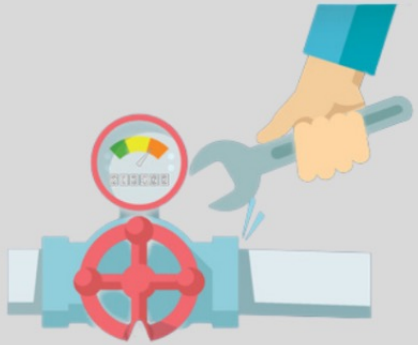
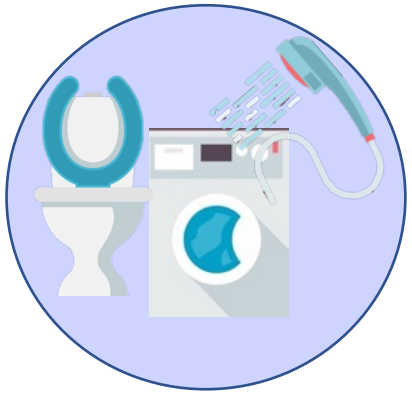





What the FRAMEWORK?

A ROUND-UP OF WHAT'S GOING ON WITH THE NEW CONSERVATION REGULATIONS

INDOOR USE



+

OUTDOOR RESIDENTIAL USE

+

CII LANDSCAPE

+

WATER LOSS

CalWEP.org/framework-updates

Calculating water targets

Providers will need to meet the SUM of the standards

INDOOR USE

+

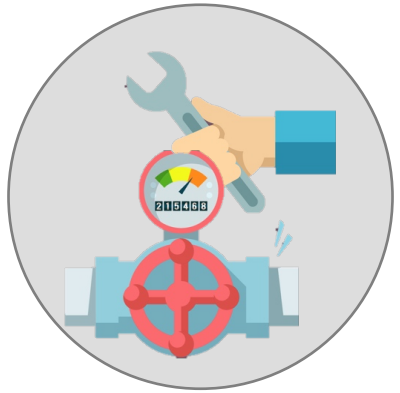
OUTDOOR RESIDENTIAL USE

+

CII LANDSCAPE

+

WATER LOSS



+ (Variances) + (Recycled Water Bonus)

= WATER PROVIDER'S UNIQUE WATER TARGET

The Indoor Standard

55 GPCD x Service Area Population x 365 days

CURRENT indoor standard (from 2018 legislation)

2020: **55 GPCD**
2025: **52.5 GPCD**
2030: **50 GPCD**

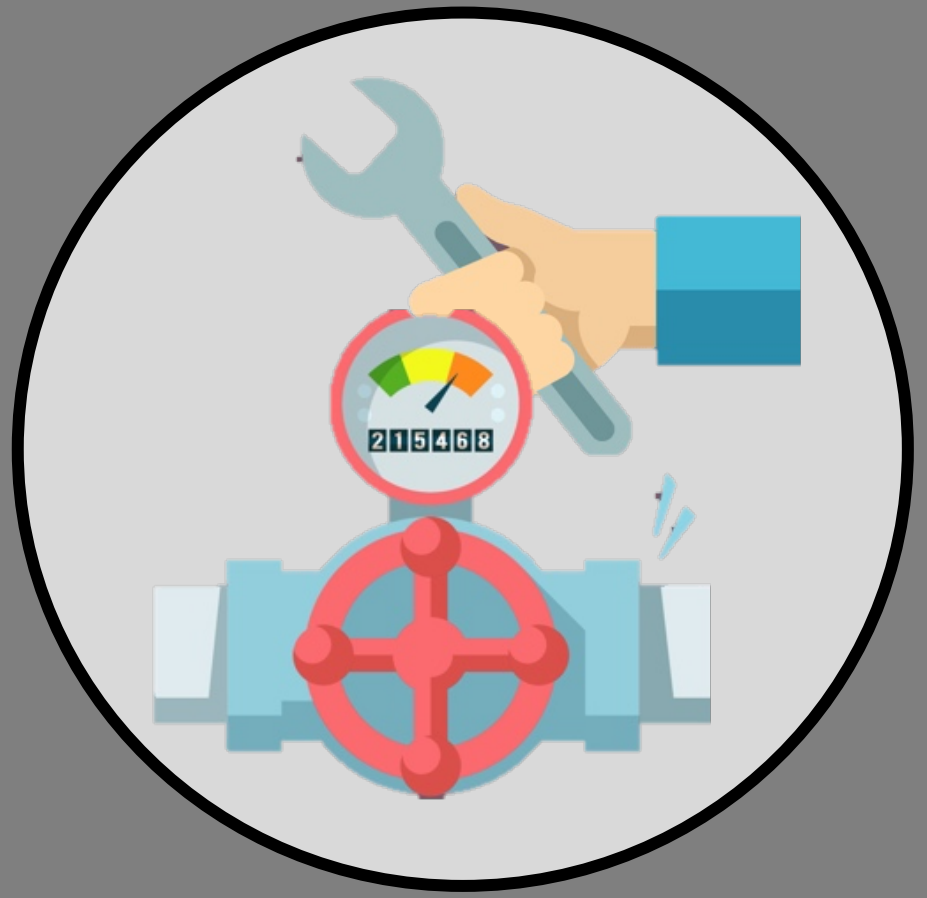
PROPOSED indoor standard in legislature (Bill to be introduced)

2020: **55 GPCD**
2025: **47 GPCD**
2030: **42 GPCD**

RECOMMENDED indoor standard (DWR and SWRCB Joint Report)

2020: **55 GPCD**
2025: **47 GPCD**
2030: **42 GPCD**

The Water Loss Standard



The standard for water loss due to leaks in the water system pipes is based on a loss standard of
gallons per connection per day

Formal rulemaking started Dec. 24th and comments are due to the SWRCB by Feb. 11th

If there are major changes an additional 15-day comment period will be added

Regulation is expected to be adopted in Q2.

Questions on water loss? Contact Amy Talbot – atalbot@rwah2o.org

The Residential Outdoor Standard

ORWU Equation =

(ETo-Peff) x (LAs) x (ETF) x (0.62)

ORWU = Outdoor Residential Water Use (gallons)
ETo = Reference evapotranspiration (inches)
Peff = Effective precipitation (inches)
LAs = Landscape area for a water supplier (sq. ft)
ETF = ET Factor (unitless) represents a percentage of reference ETo; function of plants' water needs & irrigation efficiency
0.62 = unit conversion factor

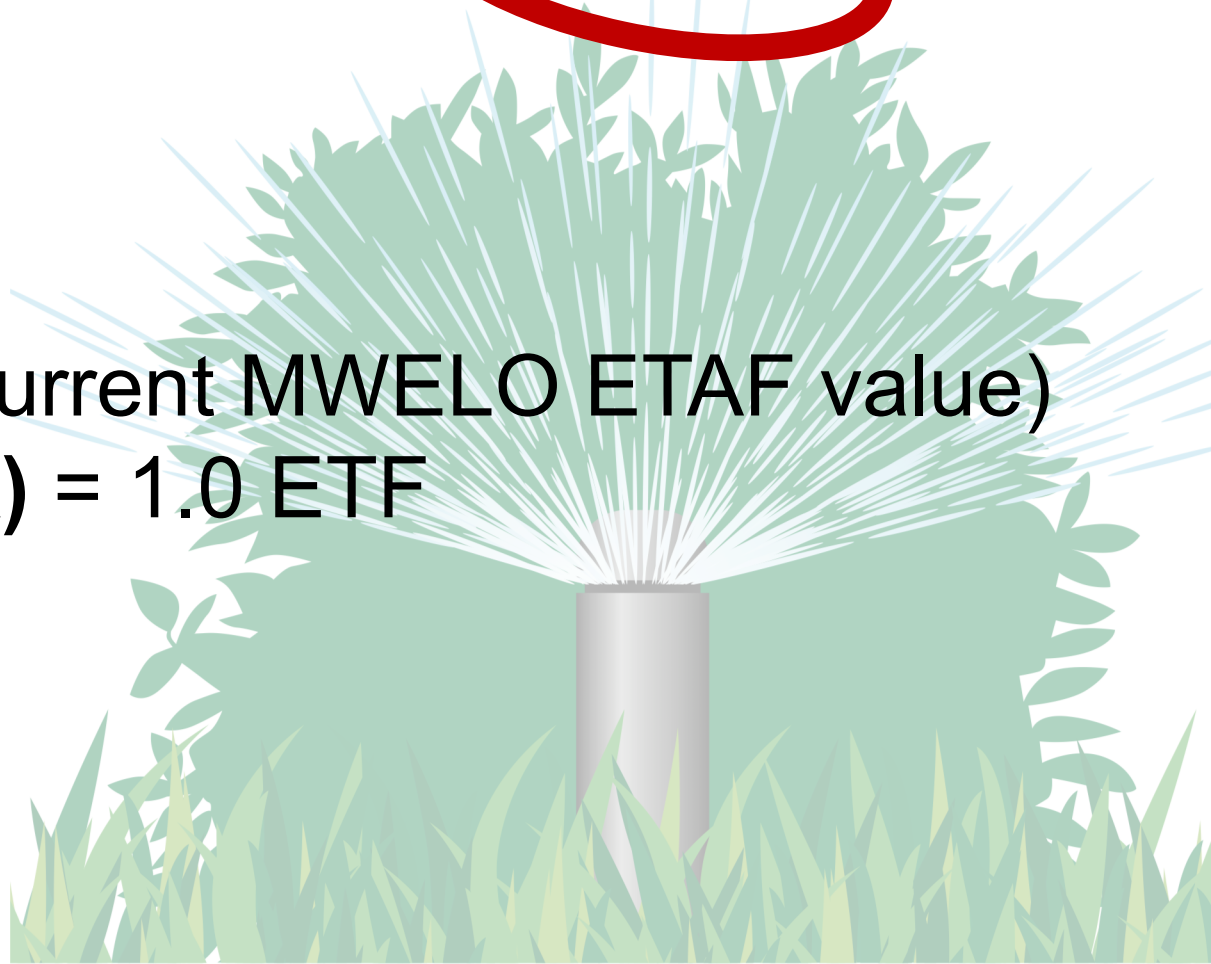
Landscape Area Measurement

- Landscape area measurement was developed using aerial imagery of the 399 urban water agencies in CA
- LAs include all IRRIGABLE IRRIGATED (II) landscape and if needed will also include a 20% buffer of IRRIGABLE NOT IRRIGATED (INI) Landscape

Current DWR Recommendation for ETF

ORWU Equation = (ETo-Peff) x (LAs) x (ETF) x (0.62)

2023 – 2029 = 0.80 ETF*
2030 and thereafter = 0.65 ETF
New Developments = 0.55 (or current MWELO ETAF value)
Special Landscape Areas (SLA) = 1.0 ETF



*** Note that DWR has assumed an irrigation efficiency of 80%**

The CII Standard and Performance Measures

Step 1A Measure

- Must map **20%** of CII water accounts per year
- 5 years to complete

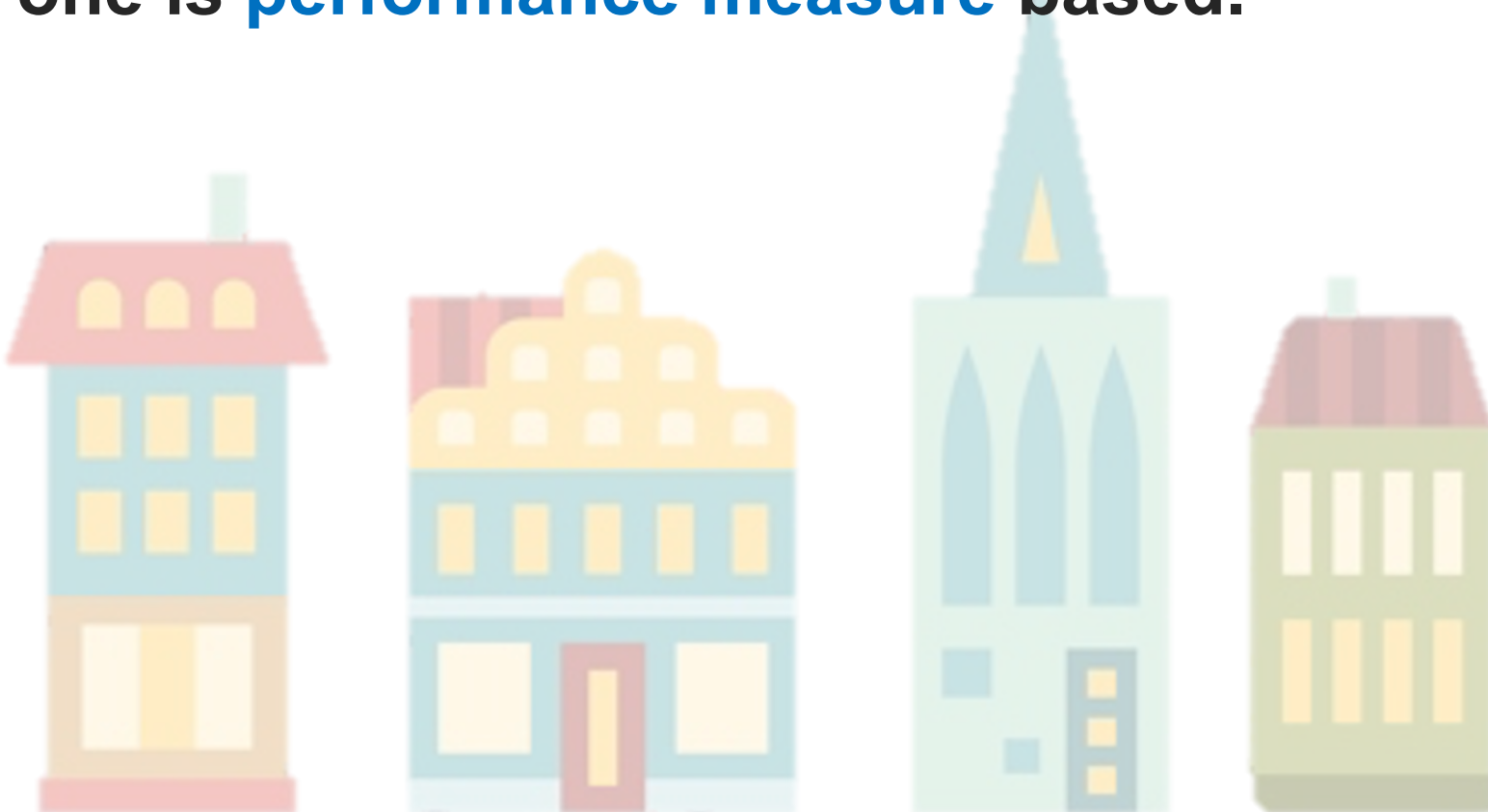
Step 1B Classify

- Formal procedures for collecting classification info.
- Update classifications w/ modified or new service requests

Step 2 Implement

- CII-DIM Water Use Standard
- Performance Measures (in-Lieu & BMPs)

Commercial, industrial and institutional accounts are separated into two different regulations – one is standards based for accounts with dedicated irrigation meters above a certain threshold and one is performance measure based.



3 Pathways to Compliance:

WATER USE STANDARD

CII – DIM / Equivalent Tech. Conversion

1

PERFORMANCE MEASURES

In-Lieu Tech

2

CII BMPs

3

3 Pathways to Compliance:

WATER USE STANDARD

CII – DIM / Equivalent Tech. Conversion

- **> 1 acre irrigated**
- **CII-DIM Water Budget Equation applies**

✓ **Must report water use**

PERFORMANCE MEASURES

In-Lieu Tech

CII BMPs

CII Water Use Standard

$UWUO_{CII\text{-}DIM}$ Equation = (ETo-Peff) x (LAs) x (ETF) x (0.62)

UWUO = Urban Water Use Objective (gallons)

2023 – 2029 = 0.80 ETF*
2030 and thereafter = 0.65 ETF
New Developments = **0.45** (or current MWELO ETAF value)
Special Landscape Areas (SLA) = 1.0 ETF

*** Note that DWR has assumed an irrigation efficiency of 80%**

3 Pathways to Compliance:

WATER USE STANDARD

CII – DIM / Equivalent Tech. Conversion

PERFORMANCE MEASURES

In-Lieu Tech

- **> 1 acre irrigated**
- **Demonstrate improved WUE**
- **Companion BMPs required**

✓ **Qualitative Reporting**

CII BMPs

*Process water excluded

- **5 BMP categories**
- **Top 2.5% individual / Top 20% by sector**
- **Develop Implementation Plan**

✓ **Qualitative Reporting**

3 Pathways to Compliance:

WATER USE STANDARD

CII – DIM / Equivalent Tech. Conversion

- > 1 acre irrigated
- CII-DIM Water Budget Equation applies

✓ Must report water use

PERFORMANCE MEASURES

In-Lieu Tech

- > 1 acre irrigated
- Demonstrate improved WUE
- Companion BMPs required

✓ Qualitative Reporting

CII BMPs

*Process water excluded

- 5 BMP categories
- Top 2.5% individual / Top 20% by sector
- Develop Implementation Plan

✓ Qualitative Reporting

CII Reporting Requirement

ANNUAL WATER USE REPORT (Jan. 2024):

- Quantitative: **CII Water Use** as part of the Urban Water Use Objective (gallons)

- Qualitative: Implementation (or progress towards implementation) of the **performance measures** and **CII classification** system

DWR Updated Schedule

Component	Timing	Lead Agency
Permanent monthly reporting	Since Oct. 1, 2020	SWRCB
Water loss standards	~~End of 2020~~ Formal Rulemaking in progress	SWRCB
Recommendation on indoor standards	~~January 2021~~ Nov. 30, 2021	DWR
Residential irrigable land measurements	~~January 2021~~ ?	DWR
Recommendation on WUE standards*	~~Oct. 1, 2021~~ Draft Nov 2021 Final est. TBD	DWR
UWMP/WSCP updates	July 2021	DWR
Adoption of WUE standards*	July 2022	SWRCB
Annual water supply and demand assessment	June 2022	DWR

*WUE standards include:

- Outdoor residential use standard
- Standard for CII outdoor landscape area with dedicated irrigation meters
- Performance measures for CII water use (delayed)
- Appropriate variances
- Guidelines and methodologies for calculating urban water use objectives