



WATER CONSERVATION

Conservation Long-Term Framework

AB 1668 and SB 606

Water Resources and Watershed Committee
March 8, 2023

PRESENTATION MILESTONES

- ▶ **About AB 1668 and SB 606 – Conservation Long-Term Framework**
- ▶ **Updated Framework Methodologies**
- ▶ **Current Conservation/Water Use Efficiency Strategies**
- ▶ **Planned Transition Activities**
- ▶ **Questions and Comments**



ABOUT AB 1668 AND SB 606



- ▶ AB 1668 and SB 606 Passed in 2018
- ▶ Establishes water use objectives and long-term standards for efficient water use
- ▶ Provides incentives for water suppliers to use/develop recycled water
- ▶ Includes Urban Water Use Objectives
- ▶ Identifies Performance Measures for Commercial, Industrial, and Institutional water users
- ▶ Requires Ag water users to expand Ag Water Management Plans
- ▶ Annual Water Use Reports due November 1, 2023, and annually thereafter

Urban Water Use Objective

Aggregate Residential Indoor Use
 +
 Aggregate Residential Outdoor Use
 +
 Aggregate CII Outdoor Use
CII landscape areas with dedicated irrigation meters
 +
 Aggregate Water Loss
 +
 Aggregate Variances
 +
 Bonus Incentives
Up to 15% of potable reuse water

AB 1668 AND SB 606

Major Tasks for Urban Retail Water Suppliers

Item #	Description	Deadline	CWC Section
1	Update and adopt UWMP and submit to DWR. If regulated by CPUC, include most recent plan in general rate case filings.	Jul 1, 2021, and every five years thereafter	10621(a) SB; 10621(c) SB
2	Prepare and adopt WSCP and DRA as part of UWMP ¹ . If regulated by CPUC, include WSCP in general rate case filings.	Jul 1, 2021, and every five years thereafter	10621(c) SB; 10632(a) SB; 10635(b) SB
3	Prepare and submit to DWR annual water shortage assessment report ² .	Jun 1, 2022, and annually thereafter ³	10632.1 SB
4	Submit annual report to DWR on urban water use objectives, actual urban water use, implementation of CII water use performance measures, and progress towards urban water use objective.	Nov 1, 2023, and annually thereafter	10609.24(a) SB
5	Adopt and submit to DWR supplement to adopted 2020 UWMP on implementation of demand management measures to achieve their urban water use objective.	Jan 1, 2024	10621(f)(2) SB

Notes for Table 3:

1 If an urban water supplier revises its WSCP, the supplier must submit a copy of the revised WSCP to DWR not later than 30 days after adoption (CWC § 10644(b)).

2 For urban water suppliers that receive imported water, the due date is June 1 or 14 days after final allocation from State Water Project or Bureau of Reclamation, whichever is later. The inclusion of 2022 as the starting year is to match the availability of WSCPs that are to be adopted by urban water suppliers. DWR encourages urban water suppliers to conduct such assessments prior to 2022 and submit their information to DWR.

3 The annual water supply and demand assessment is the basis for the urban water supplier's annual water shortage assessment report.

KEY for Table 3:

CII = Commercial, industrial, and institutional, **CPUC** = California Public Utilities, **DRA** = Drought Risk Assessment Commission, **DWR** = California Department of Water Resources, **UWMP** = Urban Water Management Plan, **WSCP** = Water Shortage Contingency Plan

Major Tasks for Urban Wholesale Water Suppliers

Item #	Description	Deadline	CWC Section
1	Update and adopt UWMP, and submit to DWR. If regulated by CPUC, include most recent plan in general rate case filings.	Jul 1, 2021, and every five years thereafter	10621(a) SB; 10621(c) SB
2	Prepare and adopt WSCP and DRA as part of UWMP ¹ . If regulated by CPUC, include WSCP in general rate case filings.	Jul 1, 2021, and every five years thereafter.	10621(c) SB; 10632(a) SB; 10635(b) SB; 10640(a) SB
3	Prepare and submit to DWR annual water shortage assessment report ² .	Annually on Jun 1; starting 2022 ³	10632.1 SB

NOTES:

¹ If an urban water supplier revises its WSCP, the supplier must submit a copy of the revised WSCP to DWR not later than 30 days after adoption (CWC § 10644(b)).

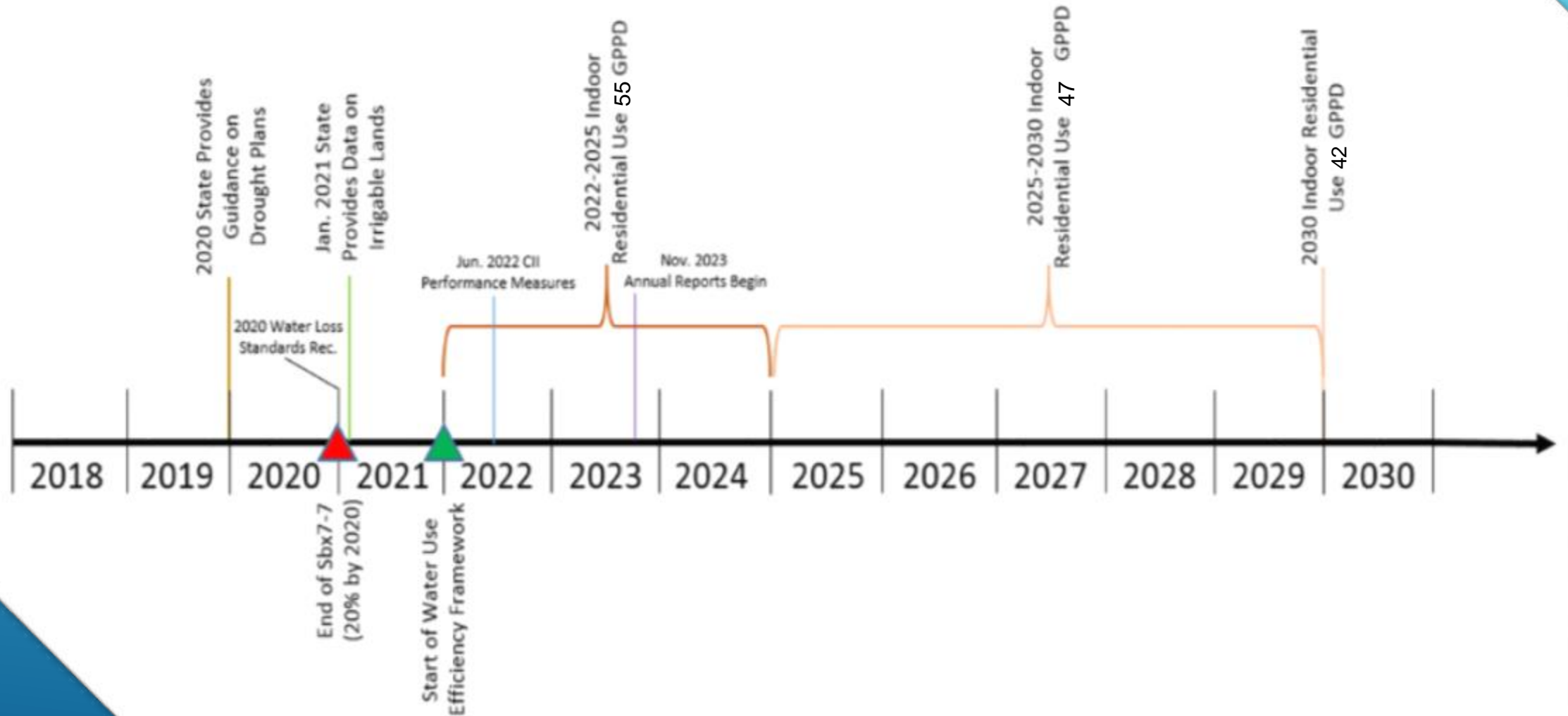
² For urban water suppliers that receive imported water, the due date is June 1 or 14 days after final allocation from State Water Project or Bureau of Reclamation, whichever is later. The inclusion of 2022 as the starting year is to match the availability of WSCPs that are to be adopted by urban water suppliers. DWR encourages urban water suppliers to conduct such assessments prior to 2022 and submit their information to DWR.

³ The annual water supply and demand assessment is the basis for the urban water supplier's annual water shortage assessment report.

KEY:

CPUC = California Public Utilities Commission, **DRA** = Drought Risk Assessment, **DWR** = California Department of Water Resources, **UWMP** = Urban Water Management Plan, **WSCP** = Water Shortage Contingency Plan

Water Conservation Long-Term Framework - Timeline



AB 1668 AND SB 606

Item	AB 1668 and SB 606 (2018)	SB 1157 (2022)	DWR Recommendations (2022)
Residential Indoor GPCD	<2025 = 55 GPCD 2025-2030 = 52.5 GPCD >2030 = 50 GPCD	<2025 = 55 GPCD 2025-2030 = 47 GPCD >2030 = 42 GPCD	-
Residential Irrigation (ETAF)	TBD	-	Existing: .8 (2023), .63 (2030) New: .55
CII Dedicated Irrigation (ETAF)	TBD	-	Existing: .8 (2023), .63 (2030) New: .45
Water Loss Target	TBD	-	TBD
Bonus Recycled Water Use Incentives	Up to 15% of potable reuse water	-	-
CII Performance Measures	TBD	-	Classification System, DIM Conversion, In-Lieu Technologies, BMPs

- ▶ Develop New CII Classification System (19 Categories)
 - ▶ Water Recreation, Recreation (non-water), Food Beverage, Laundry, Lodging, Healthcare, Offices, Public Services, Sales, Services, Religious Buildings, Education, Vehicle Wash, Industrial (non-manufacturing), Manufacturing, Utility, Mixed-Use Commercial, Dedicated Irrigation Metered, Others
- ▶ Commercial, Industrial, and Institutional Best Management Performance Measures
 - ▶ Outreach, Incentives, Landscape irrigation and management practices, Operational practice updates, Collaboration and coordination
- ▶ Conversion Threshold Performance Measure
- ▶ In-Lieu Technologies Performance Measure
- ▶ Annual Reporting



Source: Los Angeles Business Journal

AB 1668 AND SB 606 – CII PERFORMANCE MEASURES

CII - Dedicated Irrigation Metered Landscape Areas (To be determined by Urban Water Suppliers)

Approval of Variance Types and Standards

Finalization & Approval of Efficient Water Loss Standard

Implementation

AB 1668 AND SB 606 – ACTIVITIES IN
PROGRESS

CURRENT CONSERVATION/WATER USE EFFICIENCY STRATEGIES



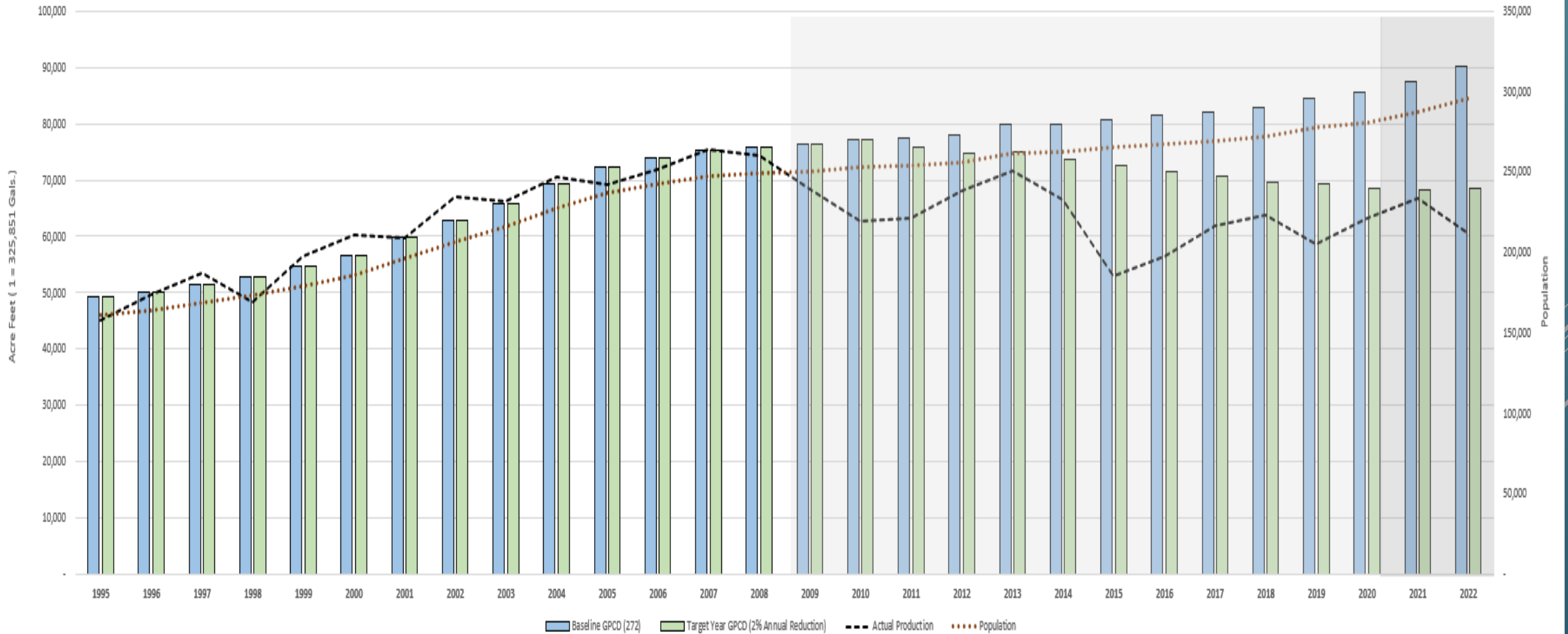
- ▶ SBx7-7 20% Reduction in GPCD By 2020
- ▶ 2016 Water Use Efficiency Strategic Plan
 - ▶ Adaptive Approach for Cost-Effective Alternatives
- ▶ 2018-2022 Interim Conservation Strategy
 - ▶ 22% Reduction in GPCD by 2021
 - ▶ 24% Reduction in GPCD by 2022
- ▶ 2021 Water Shortage Contingency Plan & Water Conservation and Water Supply Shortage Ordinance
- ▶ Update Water Use Efficiency Strategic Plan Following Finalization of Conservation Long-Term Framework



SCV
WATER

**CURRENT CONSERVATION/WATER USE
EFFICIENCY STRATEGIES**

SCV Water
 Annual Production v. Baseline and SBX7-7 20% by 2020 Requirement
 Including Interim Conservation Targets for 2021 & 2022



CURRENT CONSERVATION STRATEGIES - PERFORMANCE

PLANNED TRANSITION ACTIVITIES



Water Conservation Long-Term Framework - Timeline



We are Here...

AB 1668 AND SB 606

- ▶ Update WaterSMART Targets & Integrate with Customer Information System
 - ▶ Residential - Legacy Santa Clarita Water Division
 - ▶ DIM – Legacy Newhall & Santa Clarita Water Division
 - ▶ Incorporate Conservation Long-Term Framework Methodologies and Standards for New and Existing Customers, and GPPD Adjustments (47 in 2025 and 42 in 2030)
- ▶ 2022 - Update Water Use Efficiency Strategic Plan Following Finalization of Conservation Long-Term Framework
- ▶ Develop & Implement CII BMP Performance Programs
- ▶ Develop & Implement AMI Capabilities including Conservation Management & Customer Engagement Portals
- ▶ Research Additional Conservation Measures and Provide Findings for Consideration

The screenshot shows a software interface for water use efficiency. On the left, an aerial view of a residential property is shown with a blue outline around the building. A 'Measurement' window is open, displaying '2,616.1 Sq Feet' and a 'Clear' button. To the right, a gauge shows a needle pointing to the 'Efficient' range. A legend below the gauge defines the efficiency levels:

- Super-Efficient: 0 - Indoor
- Efficient: Indoor - 100%
- Inefficient: 101-150%
- Excessive: 151-200%
- Wasteful: +201%

Below the gauge is a table with columns for 'Calculate' and 'Change Status'. The table contains the following data:

Calculate			Change Status	
Total Allocation (CCF)	Actual Use (Gallons)	Actual Use (CCF)	Allocation %	Water Use Classification
16	0.00	0.00	0.00	Super-Efficient
14	11,968.00	16.00	114.29	Inefficient
19	9,724.00	13.00	68.42	Efficient
25	17,204.00	23.00	92.00	Efficient
24	18,700.00	25.00	104.17	Inefficient
30	35,156.00	47.00	156.67	Excessive
28	14,212.00	19.00	67.86	Efficient
30	0.00	0.00	0.00	Super-Efficient
29	8,976.00	12.00	41.38	Super-Efficient
23	12,716.00	17.00	73.91	Efficient
23	6,732.00	9.00	39.13	Super-Efficient
20	4,488.00	6.00	30.00	Super-Efficient

PLANNED TRANSITION ACTIVITIES

QUESTIONS AND COMMENTS





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