

# California Department of Water Resources

## Urban Water Use Efficiency Recommendation Package Reports

On September 29, 2022, California Department of Water Resources (DWR) provided recommendations developed in response to the 2018 Legislation to the State Water Resources Control Board in a memorandum that also summarizes the background and robust public process to support the development of these recommendations.

- [September 29, 2022, Memorandum on “Recommendations to the State Water Resources Control Board Pursuant to California Water Code Section 10609”.](#)

Full reports detailing DWR methods, technical analyses, studies, public input, and recommendations were completed in September 2022, and they were transmitted to the State Water Resources Control Board in October 2022. The full list of the reports is included below:

### Summary of Recommendations

Recommendations for Urban Water Use Efficiency Standards, Variances, Performance Measures, and Annual Water Use Reporting. DWR Report Number: WUES-DWR-2021-01A. September 2022.

Technical Report: Annual Water Use Report Template and Guidance. DWR Report Number: WUES-DWR-2021-01A.T1. September 2022.

Technical Report: Senate Bill X7-7 Consistency Evaluation. DWR Report Number: WUES-DWR\_2021-01A.T2. September 2022.

Recommendations for Guidelines and Methodologies for Calculating Urban Water Use Objective. DWR Report Number: UWUO\_GM\_WUES-DWR-2021-01B. September 2022.

Stakeholder Outreach Summary for Developing Urban Water Use Efficiency Standards, Variances, and Performance Measures. DWR Report Number: WUES-DWR-2021-20. September 2022.

Urban Water Use Efficiency Recommendation Package: Glossary and Abbreviations and Acronyms. DWR Report Number: WUES-DWR-2021-21. September 2022.



## **Outdoor Water Use Efficiency Standards**

Recommendations for Outdoor Residential Water Use Efficiency Standard. DWR Report Number: WUES-DWR-2021-02. September 2022.

Technical Report: Outdoor Residential Landscape Area Measurement. DWR Report Number: WUES-DWR-2021-02.T1. September 2022.

Recommendations for Commercial, Industrial, and Institutional Outdoor Irrigation of Landscape Areas with Dedicated Irrigation Meters Water Use Efficiency Standard DWR Report Number: WUES-DWR-2021-03. September 2022.

## **Variances**

Summary of Recommendations for Variances. DWR Report Number: WUES-DWR-2021-04. September 2022.

Recommendations for Variance for Significant Water Use of Evaporative Coolers, Methods of Calculation, and Supporting Data Requirements. DWR Report Number: WUES-DWR-2021-05. Expected first half of 2022.

Technical Report: Methods for Estimating Residential Evaporative Cooler Consumption and Prevalence Using Supplier Water and Energy Consumption Data. DWR Report Number: WUES-DWR-2021-05.T1. September 2022.

Recommendations for Deferring Variance for Significant Water Use of Home Use Medical Devices. DWR Report Number: WUES-DWR-2021-06. September 2022.

Recommendations for Variance for Significant Populations of Horses and Other Livestock, Methods of Calculation, and Supporting Data Requirements. DWR Report Number: WUES-DWR-2021-07. September 2022.

Recommendations for Variance for Significant Fluctuations in Seasonal Populations, Methods of Calculation, and Supporting Data Requirements. DWR Report Number: WUES-DWR-2021-08. September 2022.

Technical Report: Detecting Seasonally Occupied Homes with Water and Energy Data. DWR Report Number: WUES-DWR-2021-08.T1. September 2022.

Recommendations for Variance for Significant Landscaped Areas Irrigated with Recycled Water Having High Levels of Total Dissolved Solids, Methods of Calculation, and Supporting Data Requirements. DWR Report Number: WUES-DWR-2021-09. September 2022.



Recommendations for Variance for Significant Use of Water for Dust Control for Horse Corrals and Animal Exercising Arenas, Methods of Calculation, and Supporting Data Requirements. DWR Report Number: WUES-DWR-2021-10. September 2022.

Recommendations for Variance for Significant Use of Water to Supplement Ponds and Lakes to Sustain Wildlife, Methods of Calculation, and Supporting Data Requirements. DWR Report Number: WUES-DWR-2021-11. September 2022.

Recommendations for Variance for Significant Use of Water during Major Emergencies, Methods of Calculation, and Supporting Data Requirements. DWR Report Number: WUES-DWR-2021-12. September 2022.

Recommendations for Variance for Significant Use of Water for Commercial or Noncommercial Agricultural Use, Methods of Calculation, and Supporting Data Requirements. DWR Report Number: WUES-DWR-2021-13. September 2022.

### **Bonus Incentive for Potable Reuse**

Recommendations for Bonus Incentive, Methods of Calculation, and Supporting Data Requirements. DWR Report Number: WUES-DWR-2021-14. September 2022.

### **CII Water Use Performance Measures**

Recommendations for Performance Measures for Commercial, Industrial, and Institutional Water Use. DWR Report Number: WUES-DWR-2021-15. September 2022.

Recommendations for Commercial, Industrial, and Institutional Water Use Best Management Practices Performance Measure. DWR Report Number: WUES-DWR-2021-16. September 2022.

Technical Report: White Paper for the Best Management Practices for Commercial, Industrial, and Institutional Water Use. DWR Report Number: WUES-DWR-2021-16.T1. September 2022.

Recommendations for Commercial, Industrial, and Institutional Water Use Classification System Performance Measure. DWR Report Number: WUES-DWR-2021-17. September 2022.

Recommendations for Dedicated Irrigation Meter Conversion Threshold for Commercial, Industrial, and Institutional Outdoor Irrigation Water Use Performance Measure. DWR Report Number: WUES-DWR-2021-18. September 2022.

Recommendations for In-Lieu Technologies for Dedicated Irrigation Meters for Commercial, Industrial, and Institutional Outdoor Irrigation Water Use Performance Measure. DWR Report Number: WUES-DWR-2021-19. September 2022.



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