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# IE WateReuse

Leg/Reg Update  
August 24, 2021

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# Federal Update: Infrastructure Bill



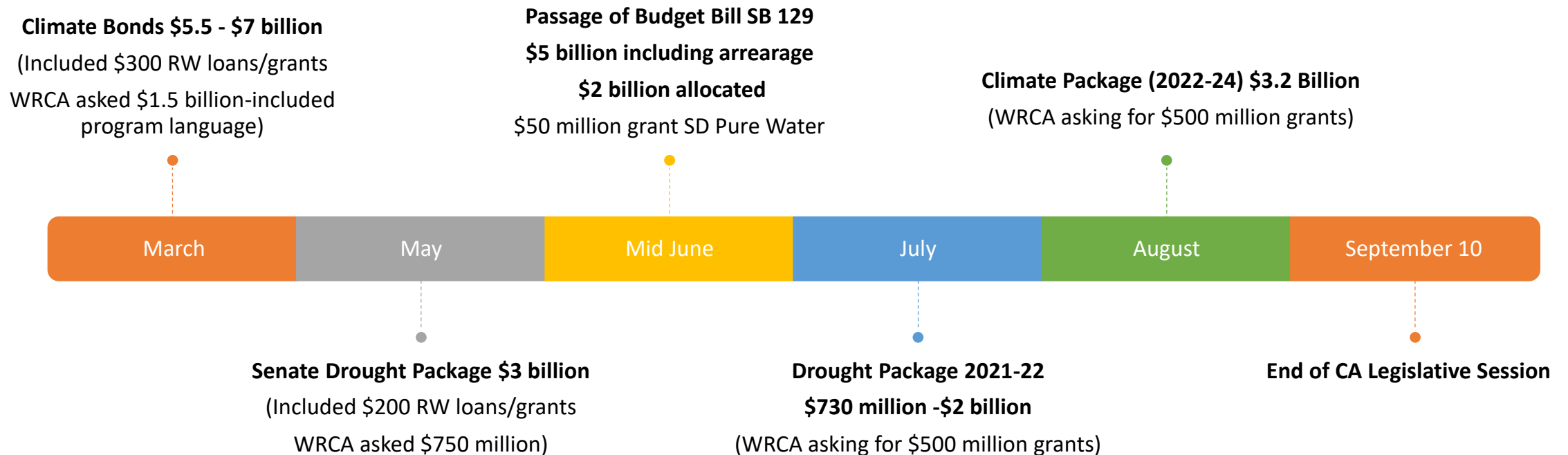
## **July 1: House passes INVEST Act (H.R. 3684)**

- \$1 billion for water recycling and reuse projects (USBR to manage funds)
- More than \$1.15 billion for water storage, groundwater storage and conveyance projects

## **Aug 10: Senate passes Infrastructure & Jobs Act**

- \$8.3 billion for western water infrastructure
- \$1 billion for water recycling over 5 years
- Creation of a federal Interagency Working Group on Water Reuse

# Moving Target 2021 RW Funding



# WRCA Funding Advocacy

- WRCA-Southern CA Water Committee Video
- WRCA Editorials in CalMatters 6 other papers
- Joint Legislators Letter to Speaker and Pro Tem asking for \$500 million in grants for RW
  - Sen Stern
  - Sen Allen
  - Sen Laird
  - Sen Ochoa-Bogh
  - Sen Jones
  - Asm Bloom
  - Asm Medina
  - Asm Rubio
  - Asm Voepel
- WRCA letter on Climate Resilience Package
- Next Steps and Intel Sharing

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# Drought Relief and Climate Resilience Water Infrastructure Funding Needs for Southern California – Letter from MWD

## **Water Use Efficiency:**

- An additional \$200 million to fund conservation programs.

## **Local Supply Projects:**

- \$650 million for water reuse and recycling
  - \$100 million for stormwater capture
  - \$100 million additional for groundwater remediation and wellhead treatment for PFAS.
  - \$250 million for groundwater storage and conjunctive use projects.
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AB 574

# DPR Criteria Expert Panel

Meets August 24<sup>th</sup> and 25<sup>th</sup>

- *30-minute session at 1:00 on the 25<sup>th</sup> to receive public comments*
- *Instructions:*  
[https://www.waterboards.ca.gov/drinking\\_water/certlic/drinkingwater/dpr-criteria-panel.html](https://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/dpr-criteria-panel.html)

Differentiating between RWA and TWA

Understanding the Pathogen LRV Requirements

Specify performance goals and reduce prescriptive design criteria

Streamline redundant plans

AWT 5 Operators 24/7: allow more flexibility

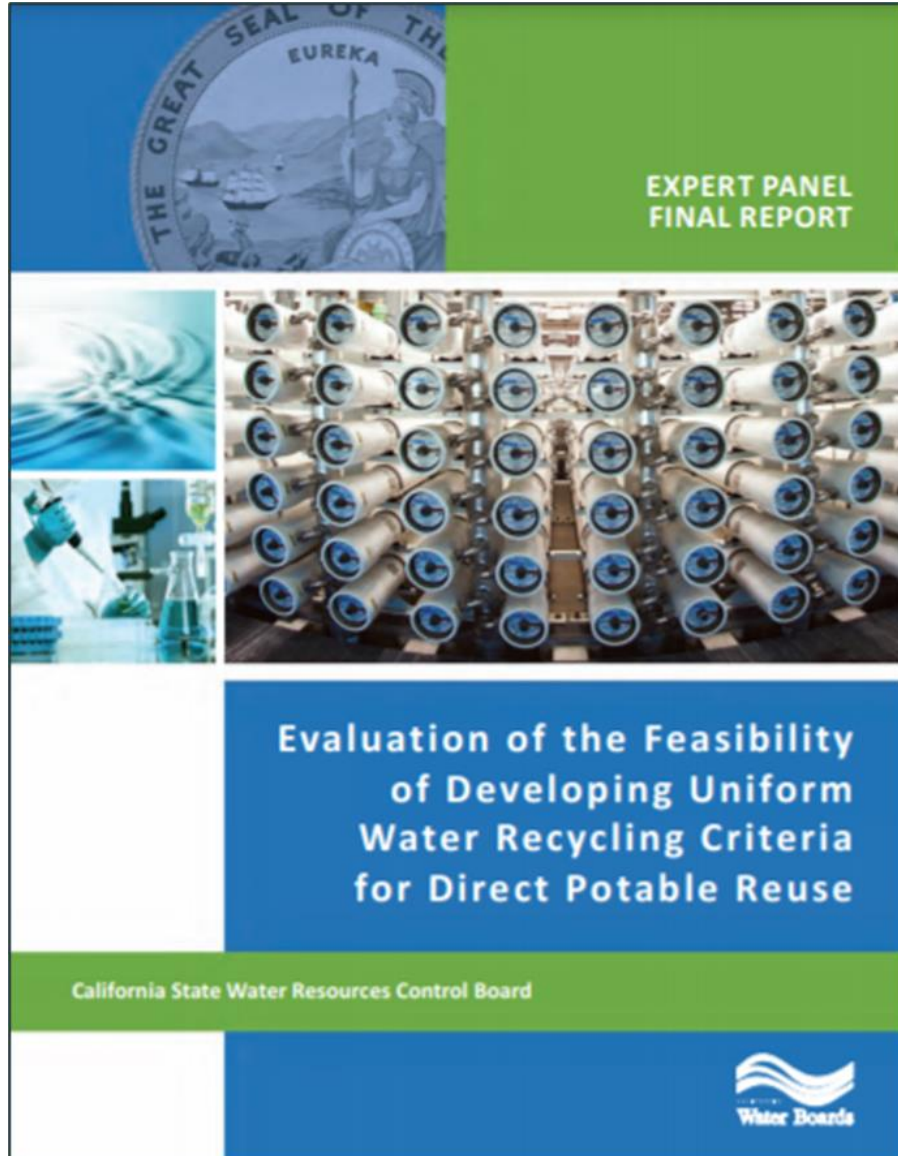
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## Panel Members

- Co-Chair: James Crook, PhD, PE, Engineering Consultant
  - Co-Chair: Adam Olivieri, DrPH, PE, EOA, Inc.
  - Richard Bull, PhD, Professor Emeritus, Washington State University
  - Jörg E. Drewes, PhD, Technical University of Munich
  - Charles Gerba, PhD, University of Arizona
  - Charles Haas, PhD, Drexel University
  - Amy Pruden, PhD, Virginia Tech
  - Joan Rose, PhD, Michigan State University
  - Shane Snyder, PhD, Nanyang Technological University and University of Arizona
  - Jacqueline E. Taylor, REHS, MPA, Director, Environmental Protection Branch, Los Angeles County Department of Public Health (Retired)
  - George Tchobanoglous, PhD, PE, University of California, Davis (Emeritus)
  - Michael P. Wehner, MPA, Orange County Water District (Retired)
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# Expert Panel Findings

August 2016

## DPR is Feasible

DPR system must be reliable. Reliability is achieved by:

1. Providing multiple, independent treatment barriers
2. Incorporating the frequent monitoring of surrogate parameters at each step to ensure treatment processes are performing properly
3. Developing and implementing rigorous response protocols (such as a formal Hazard Analysis Critical Control Point system)

Project Manager must demonstrate TMF capabilities

Stage the introduction of recycled water from a DPR system into a community's drinking water supply

DDW should establish a formal review process of DPR every 5 years to allow evolution of regs to match body of knowledge/technology



# WUE Regs

Propose  
Establishing ETAF  
at 1.0 for Non-  
Potable Recycled  
Water and 1.2 for  
high TDS Variance  
(over 1,200 ppm)

## Summary of Urban Retail Water Supplier's Urban Water Use Objective Calculation

### Urban Retail Water Supplier's Urban Water Use Objective (CWC §10609.20(c))

Aggregate estimated efficient  
indoor residential water use



Aggregate estimated efficient  
outdoor residential water use



Aggregate estimated efficient  
outdoor irrigation of landscape areas  
with dedicated irrigation meters or  
equivalent technology in connection  
with CII water use



Aggregate estimated  
efficient water losses



Aggregate estimated water use  
for variances approved by  
the State Water Board



**Allowable Bonus Incentive Adjustments**  
(CWC §10609.20(d)), which shall be  
limited in accordance with one of the  
following:

- Volume of potable reuse water  
from existing facility, with  
completed environmental review  
by Jan 1, 2019, that becomes  
operational by Jan 1, 2022, not to  
exceed **15% of urban water use  
objective**
- Volume of potable reuse water  
from new facility, not to exceed  
**10% of urban water use  
objective**



**Urban Retail Water Supplier's Urban Water  
Use Objective, Adjusted For Bonus  
Incentive**, for annual reporting purposes  
and comparison to the actual water use  
in the previous year

# Potable Reuse Working Group

Developing Method for Implementation  
of the Bonus Incentive

AWT Groundwater  
and Soil Aquifer  
Treatment

Reservoir  
Augmentation

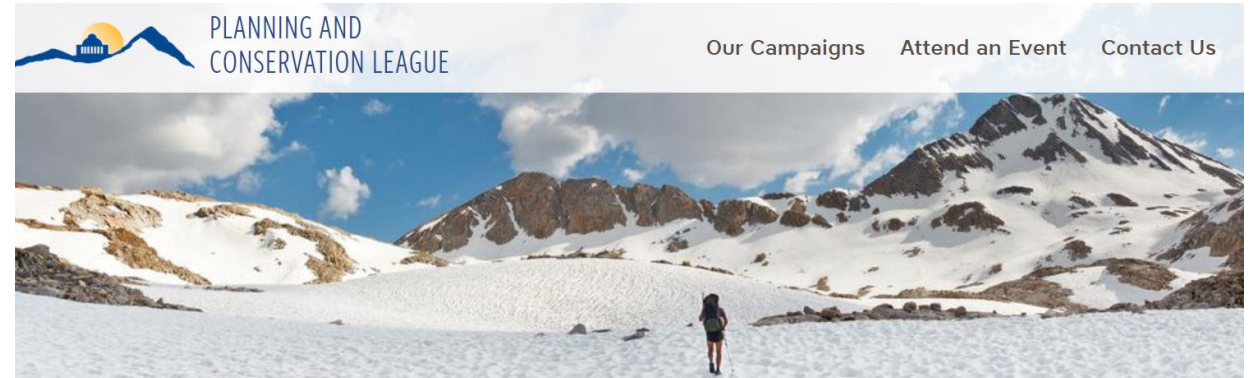
Direct Potable  
Reuse



Discussions with DWR and  
Environmental Community

# Policy Watch

[www.pcl.org/campaigns/water/](http://www.pcl.org/campaigns/water/)



[Home](#) > [Campaigns](#) > Water Campaign

## Water Campaign

## The 4R Approach to Water

We advocate for regional water self-sufficiency and a 4R approach over large-scale water transfers and storage projects:

- Reduce – water conservation and efficiency
- Reuse – rainwater harvesting and graywater use
- Recycle – wastewater reclamation
- Restore – ecosystem restoration



Questions