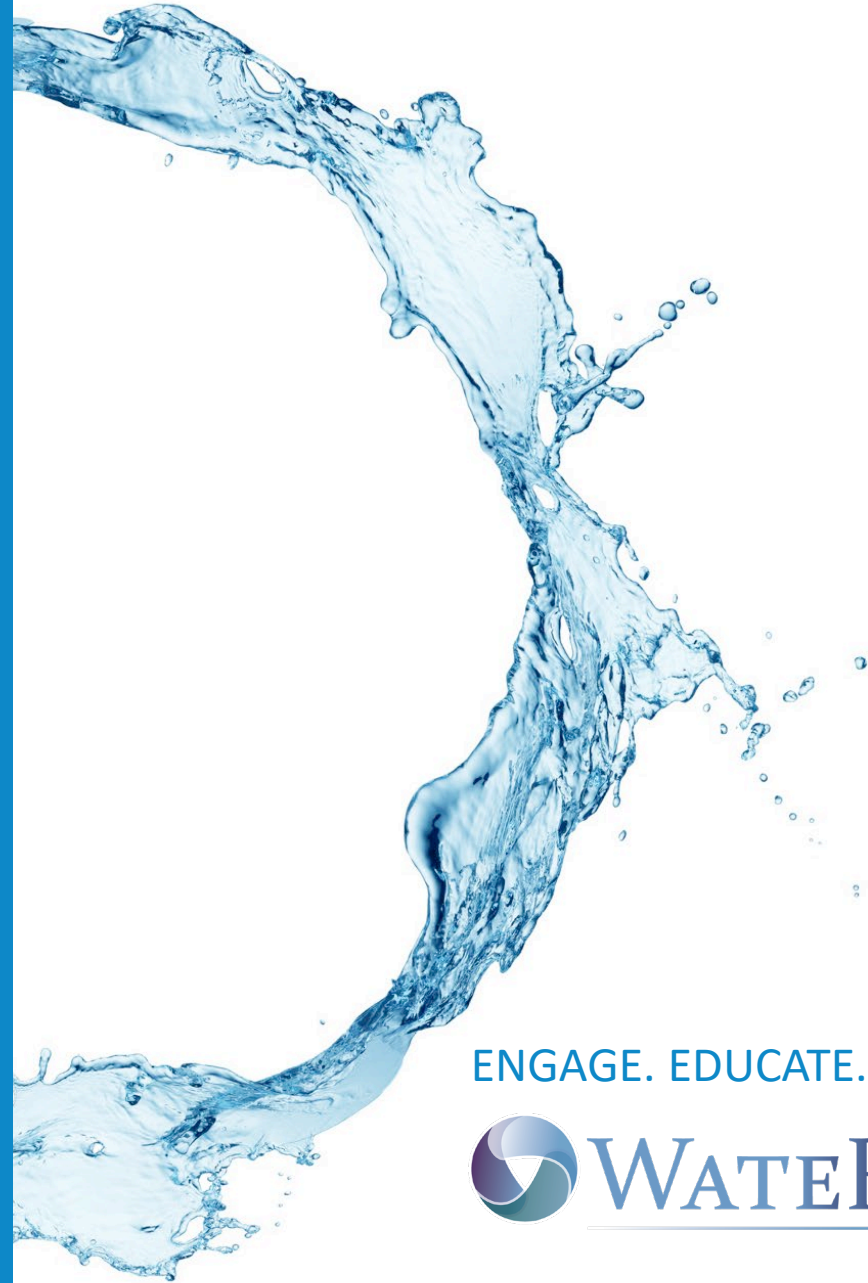


RECYCLED WATER: SUPPORTING CALIFORNIA'S NEW WATER SUPPLY STRATEGY

JENNIFER WEST
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OCTOBER 27, 2022



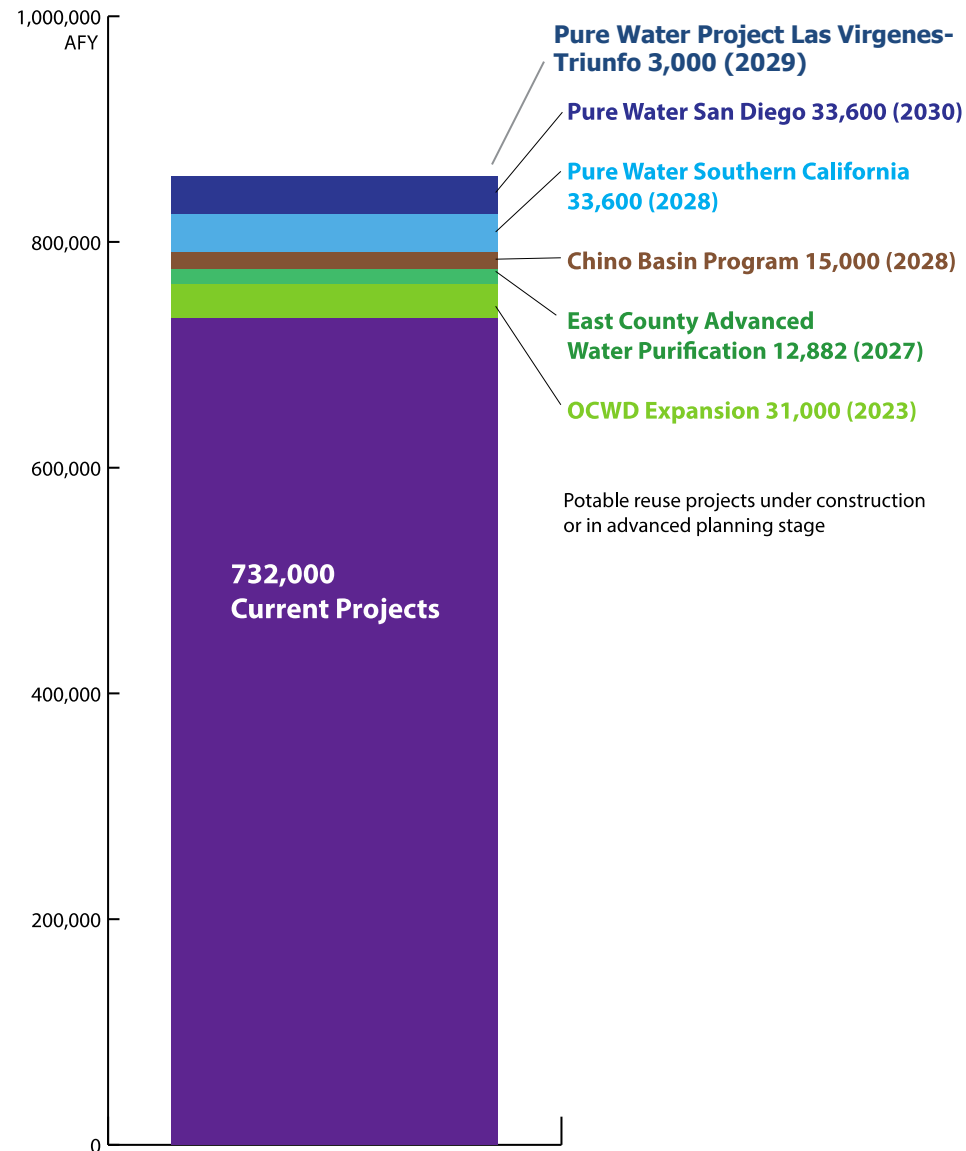
ENGAGE. EDUCATE. ADVOCATE.





New California Goals for Recycled Water

Meeting the 2030 800,000 AFY Goal



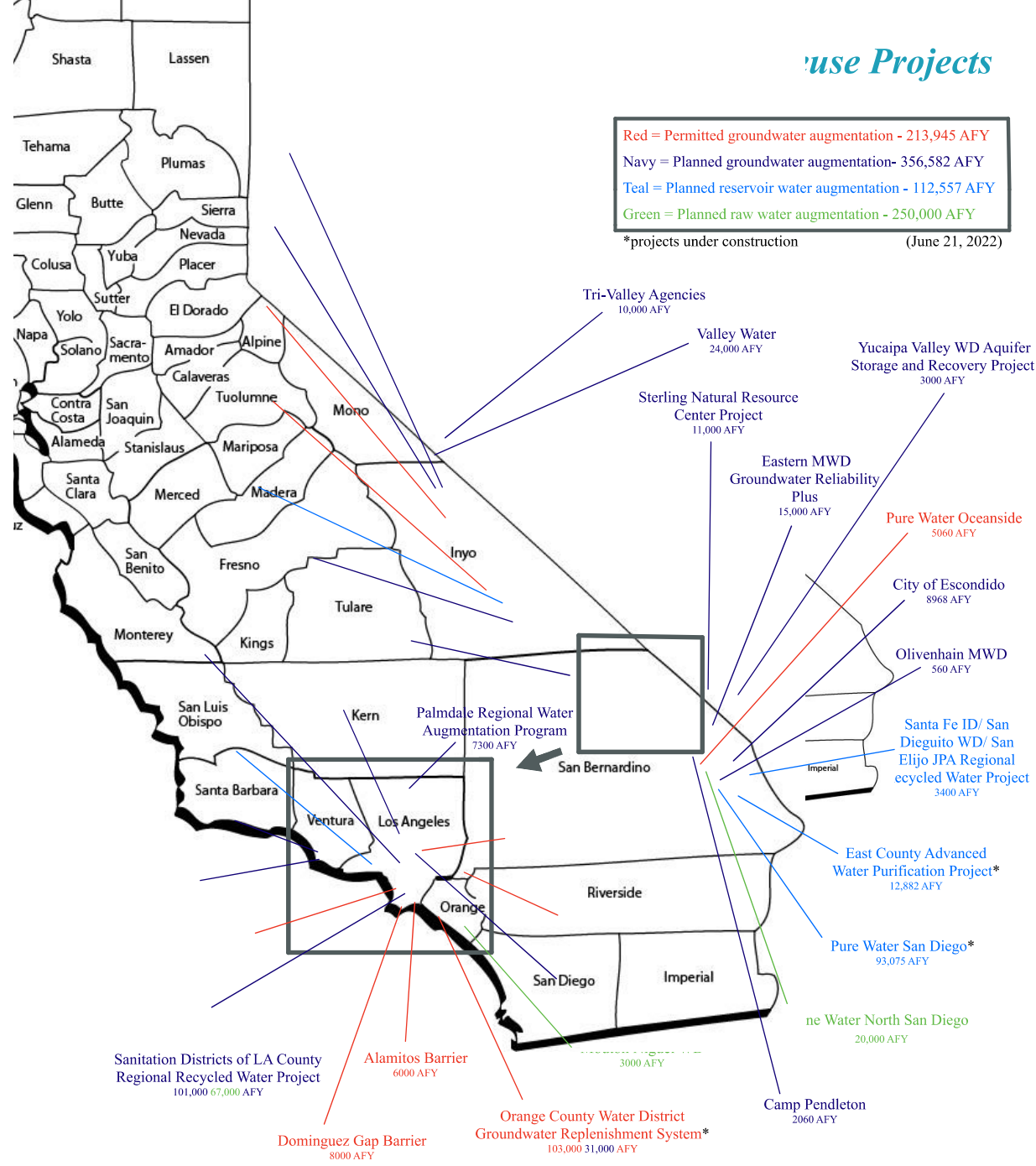
**Does not account for 2030 growth in nonpotable uses.*

**Other potable reuse projects may be coming online before 2030*

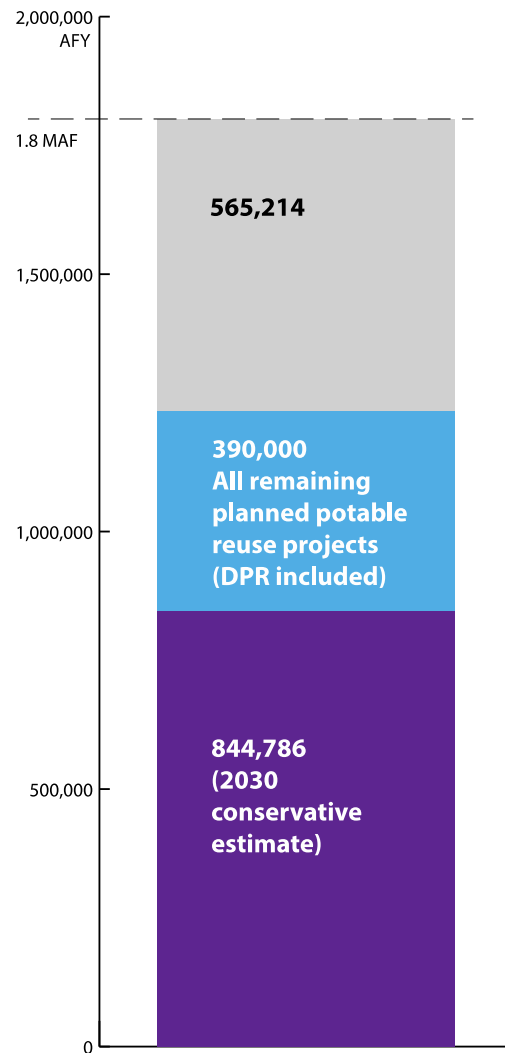


Use Projects

Red = Permitted groundwater augmentation - 213,945 AFY
 Navy = Planned groundwater augmentation- 356,582 AFY
 Teal = Planned reservoir water augmentation - 112,557 AFY
 Green = Planned raw water augmentation - 250,000 AFY
 *projects under construction (June 21, 2022)

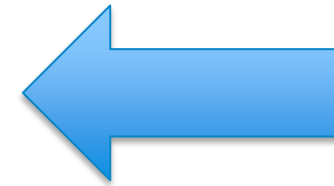


Meeting the 2040 1.8 MAF Goal



This must come from increases beyond (2021 levels) in other recycled water uses:

- ag reuse
- landscape irrigation
- energy
- industrial
- onsite reuse, etc.



More DPR projects?



Growing Environmental Uses of Recycled Water Not Included in Statewide Totals

- **256,000 AF in 2021** for in-stream flows, natural systems, wetlands
- Need to be included in statewide RW totals or at least co-reported



A dynamic splash of clear blue water, captured in mid-air, forming a large, irregular shape that frames the central text. The water droplets are sharp and detailed, creating a sense of movement and freshness.

Reduced Wastewater Flows

Reduced Wastewater Flows

- Influent to wastewater treatment plants down 300,000 AF since 2019
- Drought messaging helping to lower all forms of landscape irrigation – irrigation with recycled water.
- Need to uphold conservation legislation that used MWEL0 standard for landscape irrigation using recycled water – more than potable



A dynamic splash of clear blue water, captured in mid-air, forms a large, irregular shape that frames the central text. The water droplets are sharp and detailed, creating a sense of movement and freshness. The splash is set against a white background, which makes the blue water stand out prominently.

Funding Challenges

Governor's Strategy Recognizes Need for Funding

- WRCA estimates \$13 Billion over the next decade
- 2021-2024 CA Budget -- **\$665 Million**
 - **\$210 million for potable reuse** to be appropriated in FY 23-24
- Estimated \$338 million a year to address additional treatment and collection costs due to conservation impacts to wastewater systems



A dynamic splash of clear blue water, captured in mid-air, forms a large, irregular shape that frames the central text. The water droplets and ripples are clearly visible, creating a sense of movement and freshness.

DPR Regulations: Opportunity and Challenge

Broad Use of DPR Needed For Water Supply

- WRCA supports protection of public health without overtreatment
- Public health goal for pathogens can be met with significantly less treatment
 - Use new dataset from DPR Research “DPR 2” and other high quality historical datasets to develop removal requirements
 - Approach supported and recommended by Expert Panel
 - Change minimum log removal targets for pathogens from:
16/10/11: 13/10/10



Alternative Clause Needed for Future

- Create broad alternative clause that applies to the entire DPR regulations – who knows what the future may hold!
- Still keep onus on project proponents to prove the alternative is protective of public health
- Other potable reuse regulations had broad alternatives clause





Questions?