

California WaterReuse Action Plan

Urban Water Institute
August 15, 2019



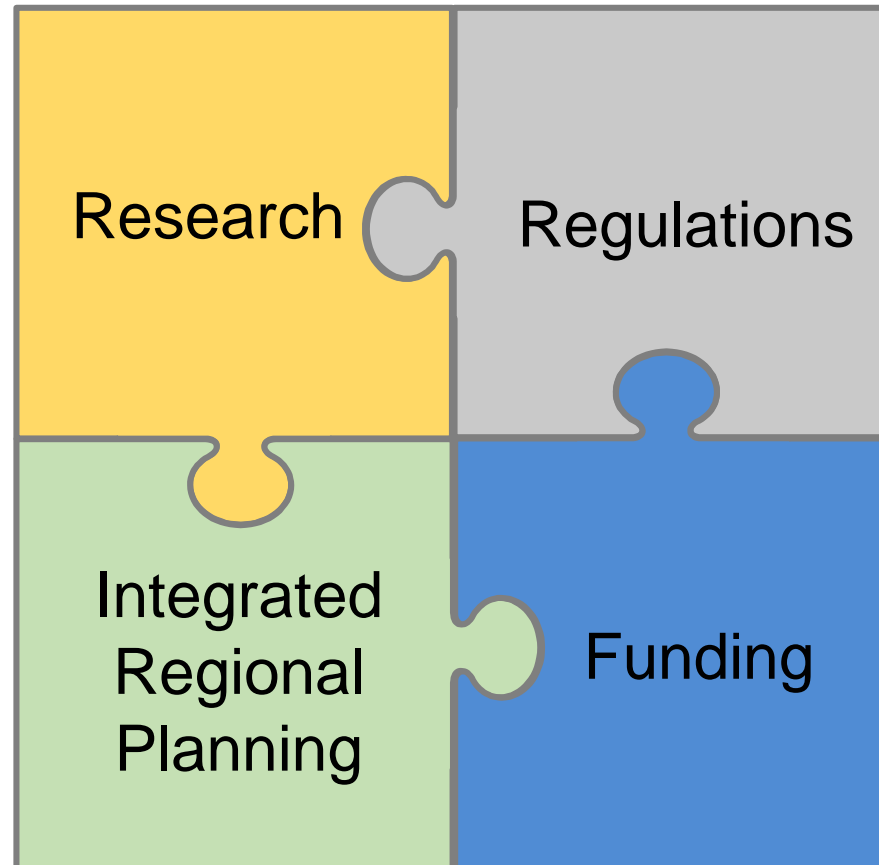
Purpose of Action Plan

- Provide a clear and concise strategy to advance water reuse in California over the next 30 years.
 - Serve as WRCA's Strategic Plan;
 - Inform Governor's Water Resilience Portfolio; and
 - Act a recycled water primer for Legislators.
- Four Strategic Priorities with 20 recommendations.

WRCA Action Plan Committee

- Alex Coate, GM, East Bay Municipal Utility District
- David Pedersen, GM, Las Virgenes Municipal Water District
- Four Writing Teams and 20 Contributors/Reviewers

Four Strategic Priorities



Complete Potable Reuse Research



Research

- Identify Amount of Recycling Possible in CA
- Develop RWA Expert Panel
- Monitor CECs and Continue Work of Bioassay Group
- Study Impacts of Diminishing Wastewater Flow on Reuse
- Assess Research Needs for Treated Drinking Water Augmentation

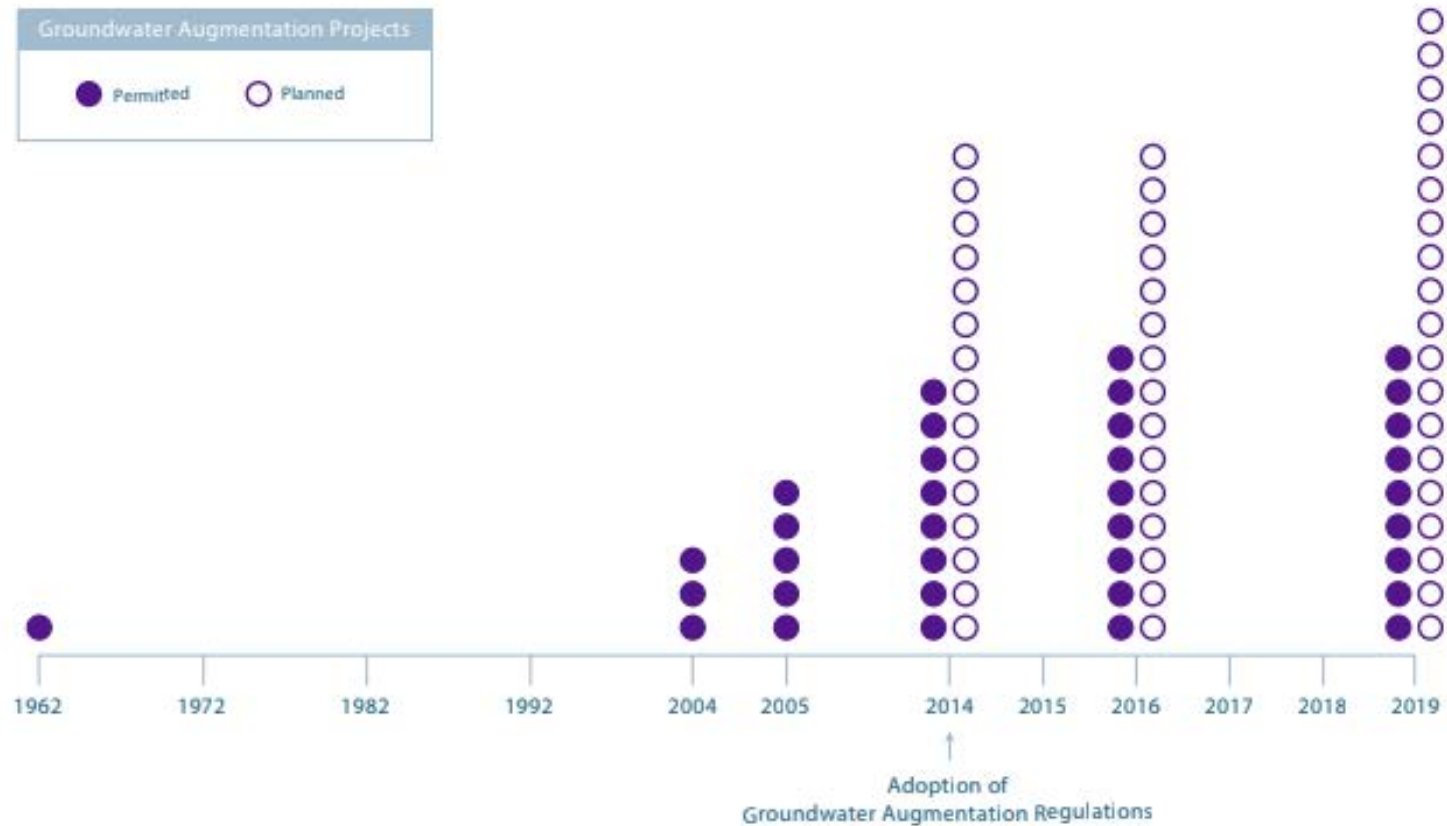
Develop/Streamline Reuse Regulations



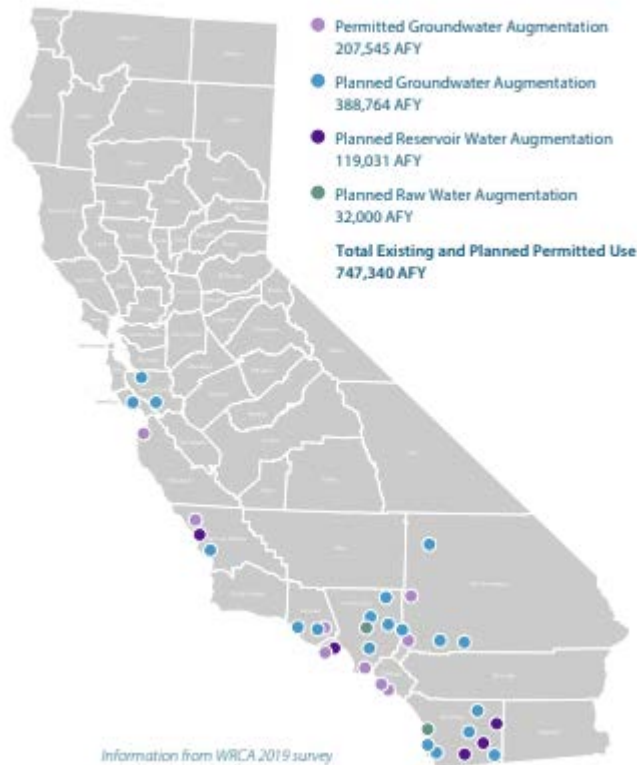
Regulations

- Develop Regulations for Raw Water Augmentation
- Develop Regulations for Onsite Reuse
- Update Existing Non-Potable Regulations
- Develop Alternative Treatment Trains for Potable Reuse
- Clarify/Streamline Wastewater Change Petition Process

Adoption of Regulations as a Catalyst for Projects

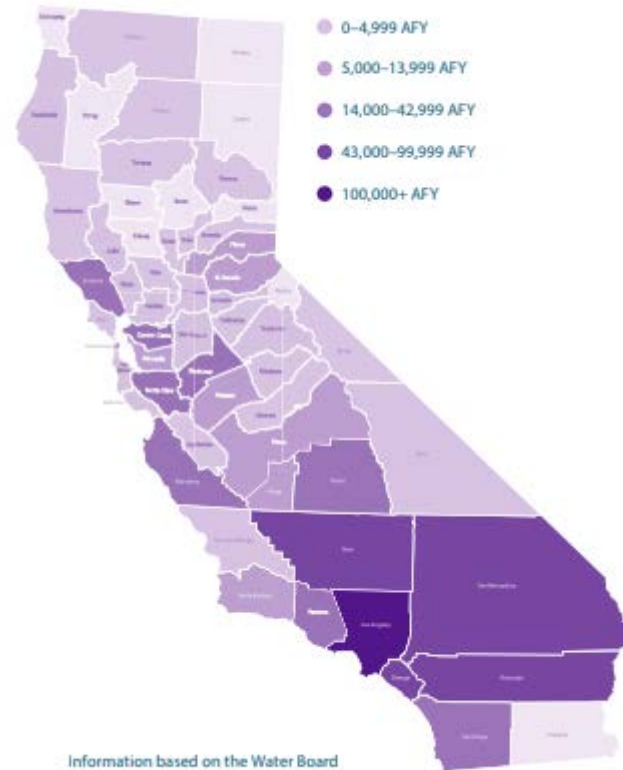


Existing and Planned Potable Reuse Projects



Information from WRCA 2019 survey

Non-Potable Use of Recycled Water



Information based on the Water Board and DWR 2015 survey and onsite reuse data.

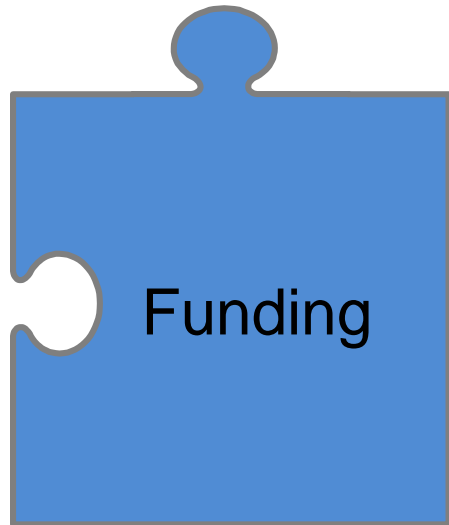
Perform Integrated Regional Planning



Integrated
Regional
Planning

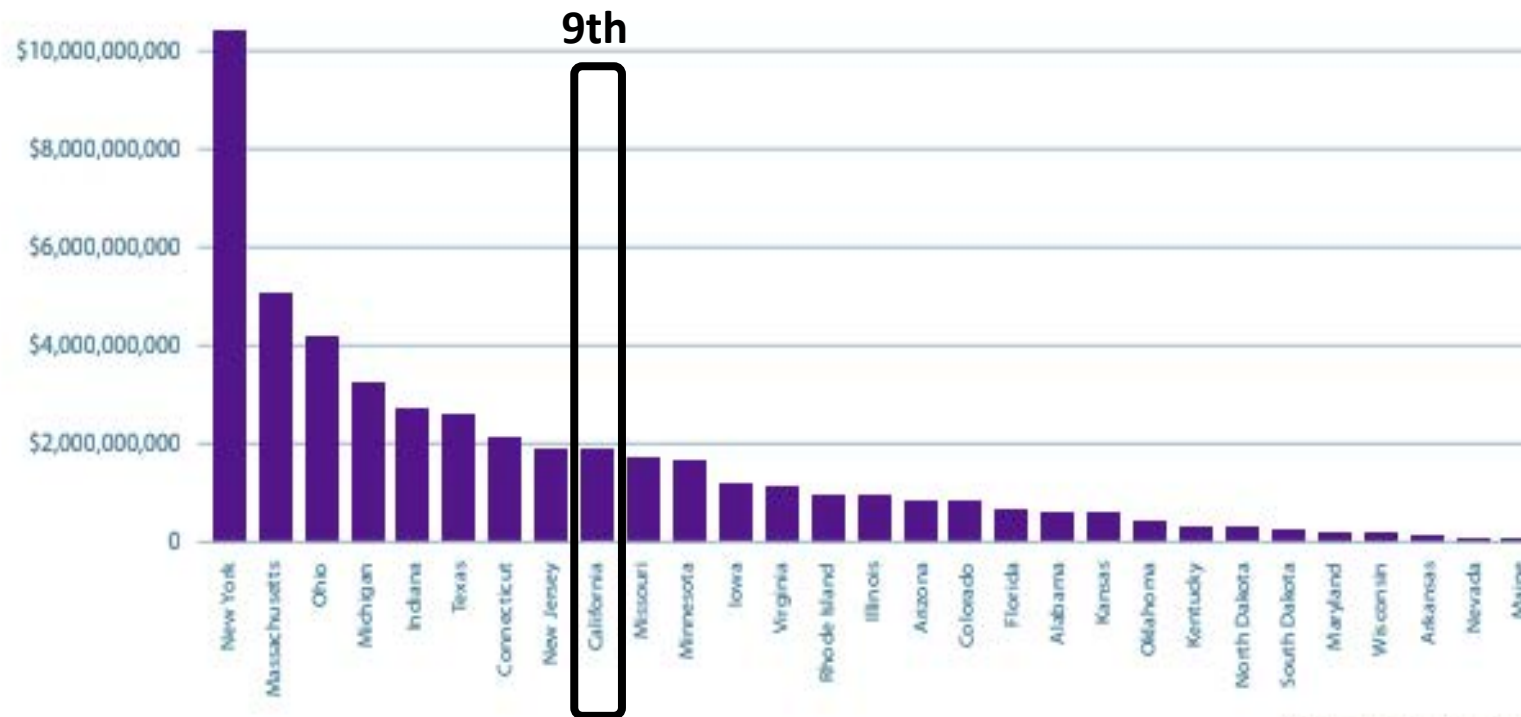
- Incentivize Water Exchanges
- Increase Collaboration to Maximize RW Use
- Maximize RW Use where Groundwater Basins are Overdrafted
- Develop Regional Brine Disposal Solutions
- Incentivize Innovation in Water and Wastewater Treatment and RW Infrastructure

Increase Grant and Loan Opportunities

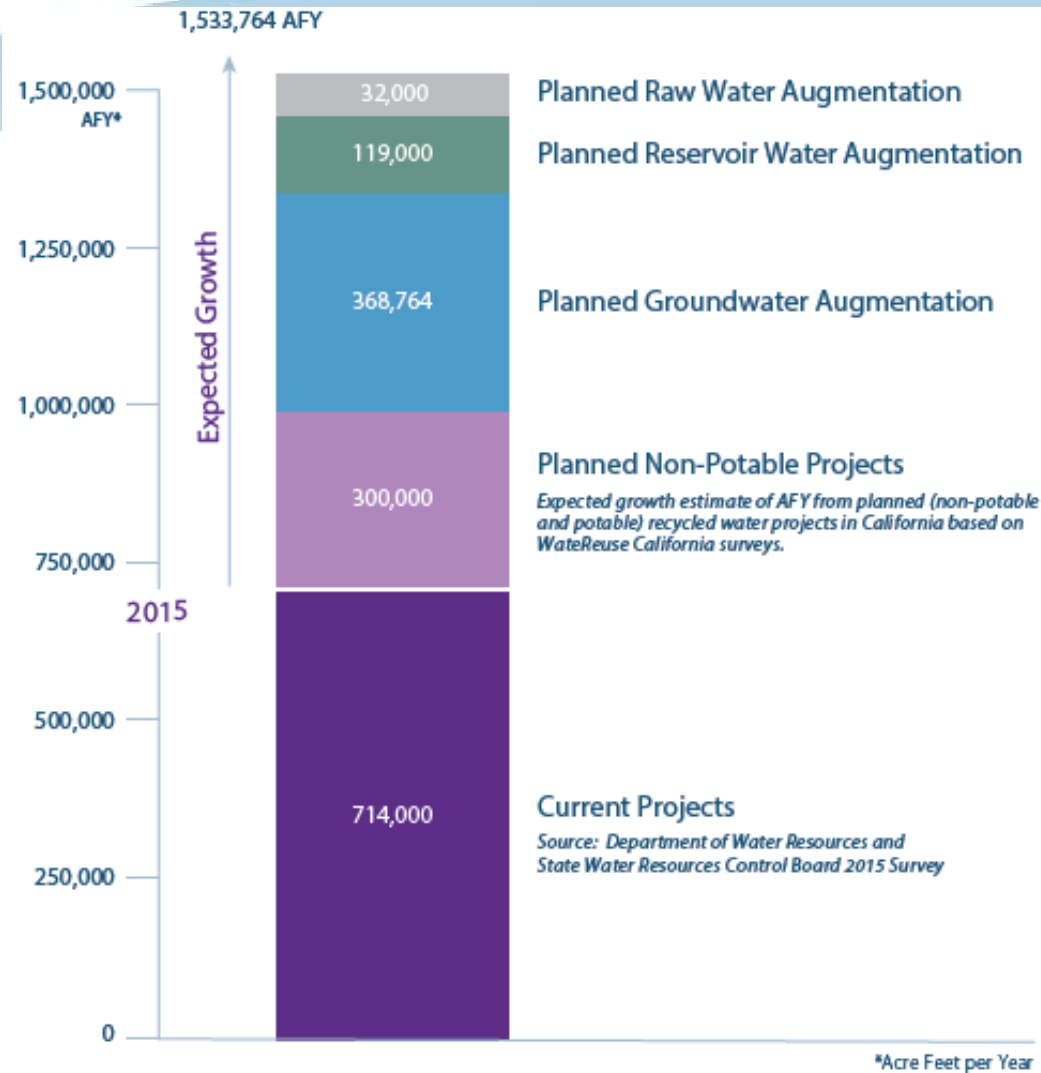


- Leverage More CWSRF Funding Through State Bonds Sale
- Pass New Water Bond with \$2 Billion for Reuse
- Streamline Water Recycling Funding Program and Increase Staffing

Total Leveraged CWSRF Bonding By State



Expected Growth of Recycling





Outreach

- Governor's Office
- Resources Agency
- Water Board
- Department of Food and Ag.
- California Water Commission
- Water Leaders in Legislature
- CASA
- ACWA
- CMUA
- CUWA
- AWWA-Cal-NV
- Western Growers

Questions?