



# California WaterReuse **Action Plan**

Northern California Chapter

August 23, 2019

## Many Purposes for the Plan:

- Informs Governor's Water Resilience Portfolio on Reuse Issues
- Provides California Perspective on EPA's Water Reuse Action Plan
- Updates the WRCA Strategic Plan (expired in 2018)
- Serves as Reuse Primer for California Legislators

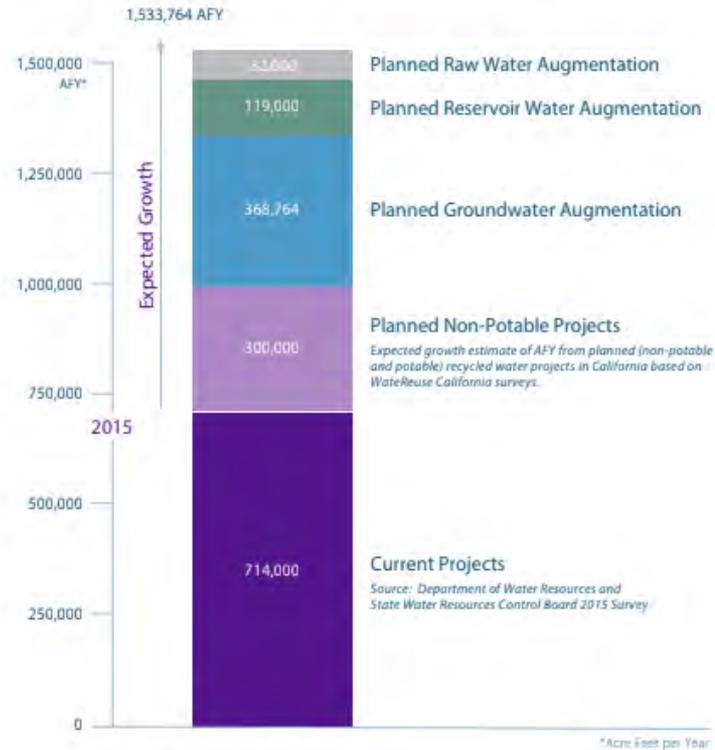
## Co Chairs WRCA Working Group

- 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 20 Actions:

- Research
- Regulations
- Regional Planning
- Funding

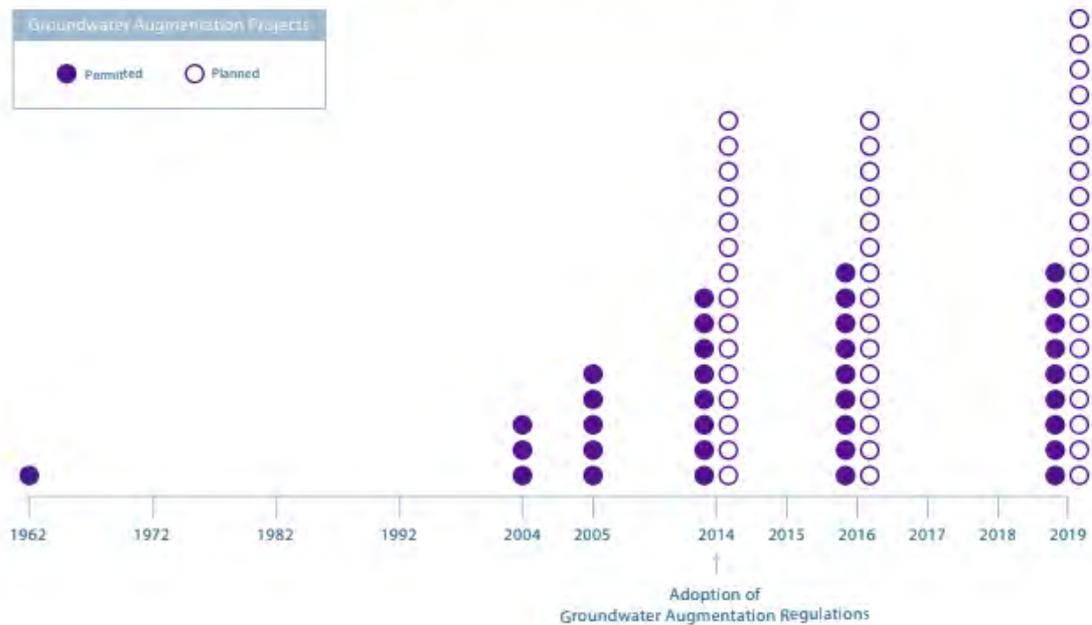
**Water Recycling on the Rise in California**



## Complete Potable Reuse 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

## Adoption of Regulations as a Catalyst for Projects



# Develop/Streamline Reuse Regulations

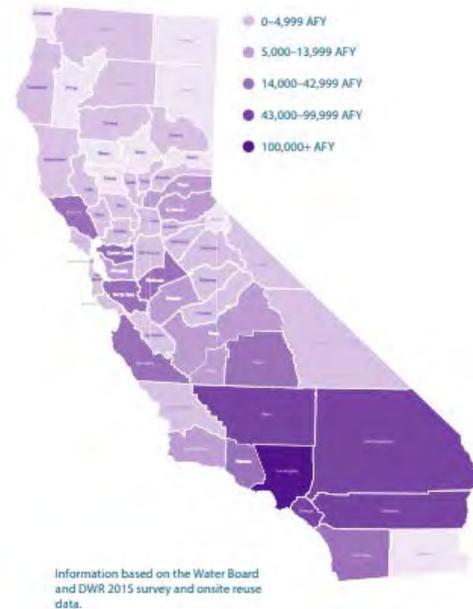
- Develop Regulations for Raw Water Augmentation
- Develop Regulations for Onsite Reuse
- Update Existing Non-Potable Regulations
- Develop Alternative Treatment Trains for Potable Reuse
- Clarify/Streamline Wastewater Change Petition Process

# Integrated Regional Planning to Advance Recycled Water

### Existing and Planned Potable Reuse Projects



### Non-Potable Use of Recycled Water

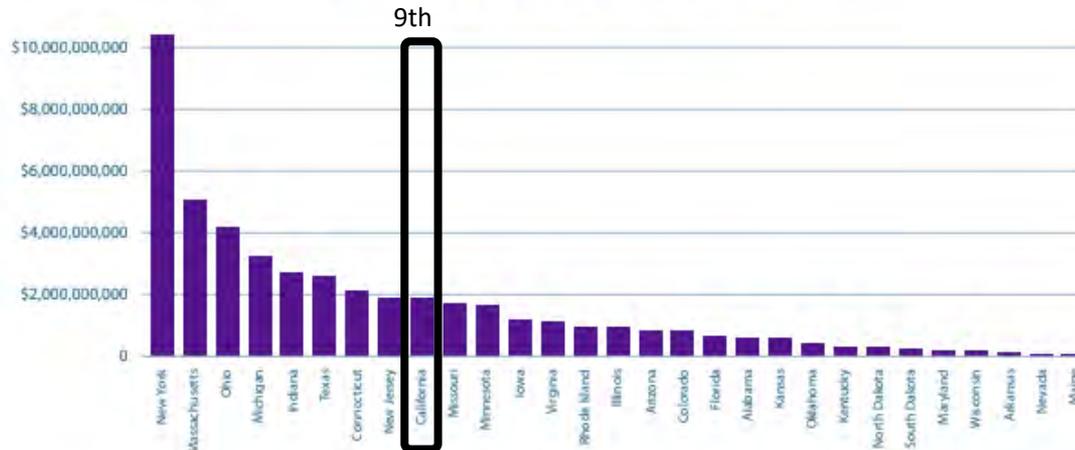


## Local Planning Recommendations

- Incentivize Innovative Water Exchange Agreements
- Increase Collaboration to Maximize RW Use in Coastal Areas
- Maximize RW Use Where Groundwater Basins are Overdrafted
- Develop Regional Brine Disposal Solutions to Promote Reuse
- Incentivize Innovation in Water and Wastewater Treatment and Recycled Water Infrastructure

# Increase Loan and Grant Funding

Total Leveraged CWSRF Bonding By State



Source: EPA CWSRF 2018 Report

# Funding Recommendations

- 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

# Outreach



- Resources Agency
- California Water Commission
- Water Board (Board Hearing)
  - DDW
  - DWQ
  - DFA
- Department of Food and Ag
- Water Leaders in Legislature
- Legislative Leadership
- CASA
- ACWA
- CMUA
- CUWA
- AWWA-Cal-NV
- Western Growers

Questions?