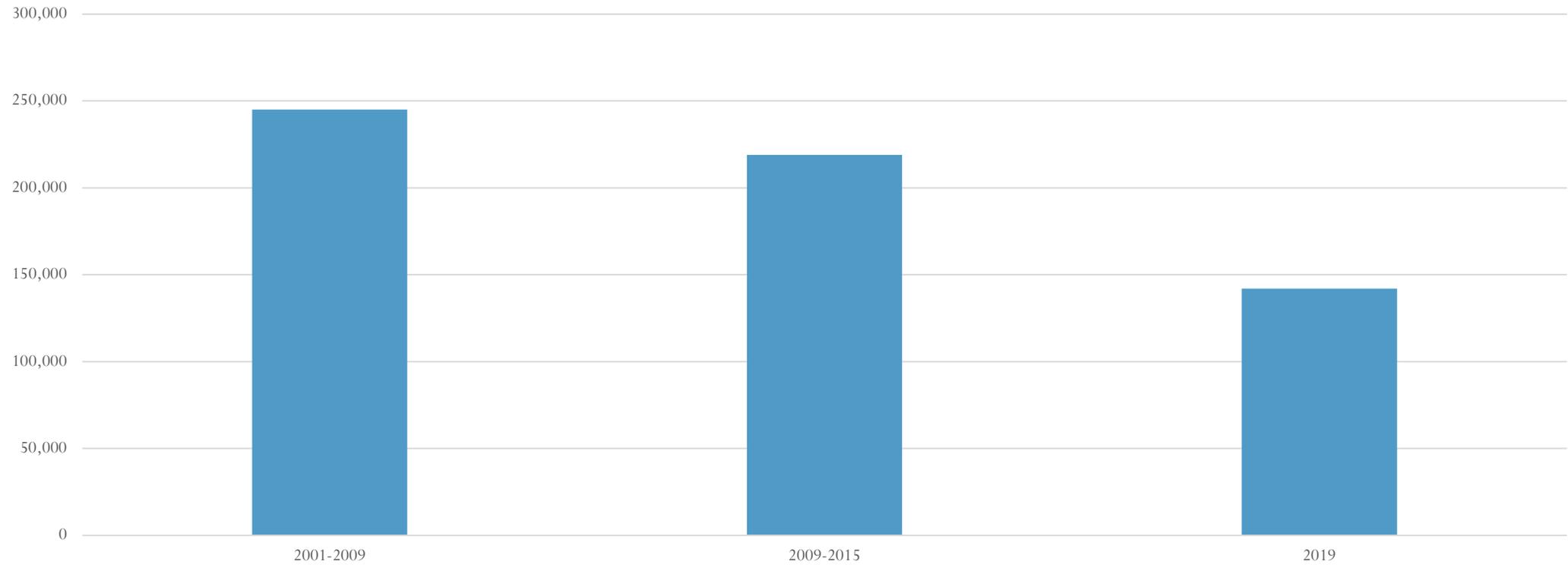


Northern California/ Central Valley Chapter

May 21, 2021



California Agriculture Reuse



Ag Reuse Standing Committee

Mission:

The mission of the Ag Reuse standing committee is to promote Agricultural Reuse in California. Key activities of the workgroup to further this mission include:

- Facilitating access to case studies, technical information, on WateReuse CA website, for utilities and customers
- Conducting outreach to Ag groups on reuse as a potential for water supply reliability
- Reviewing the State Water Board's Annual Volumetric Reporting to inform and understand ag reuse trends

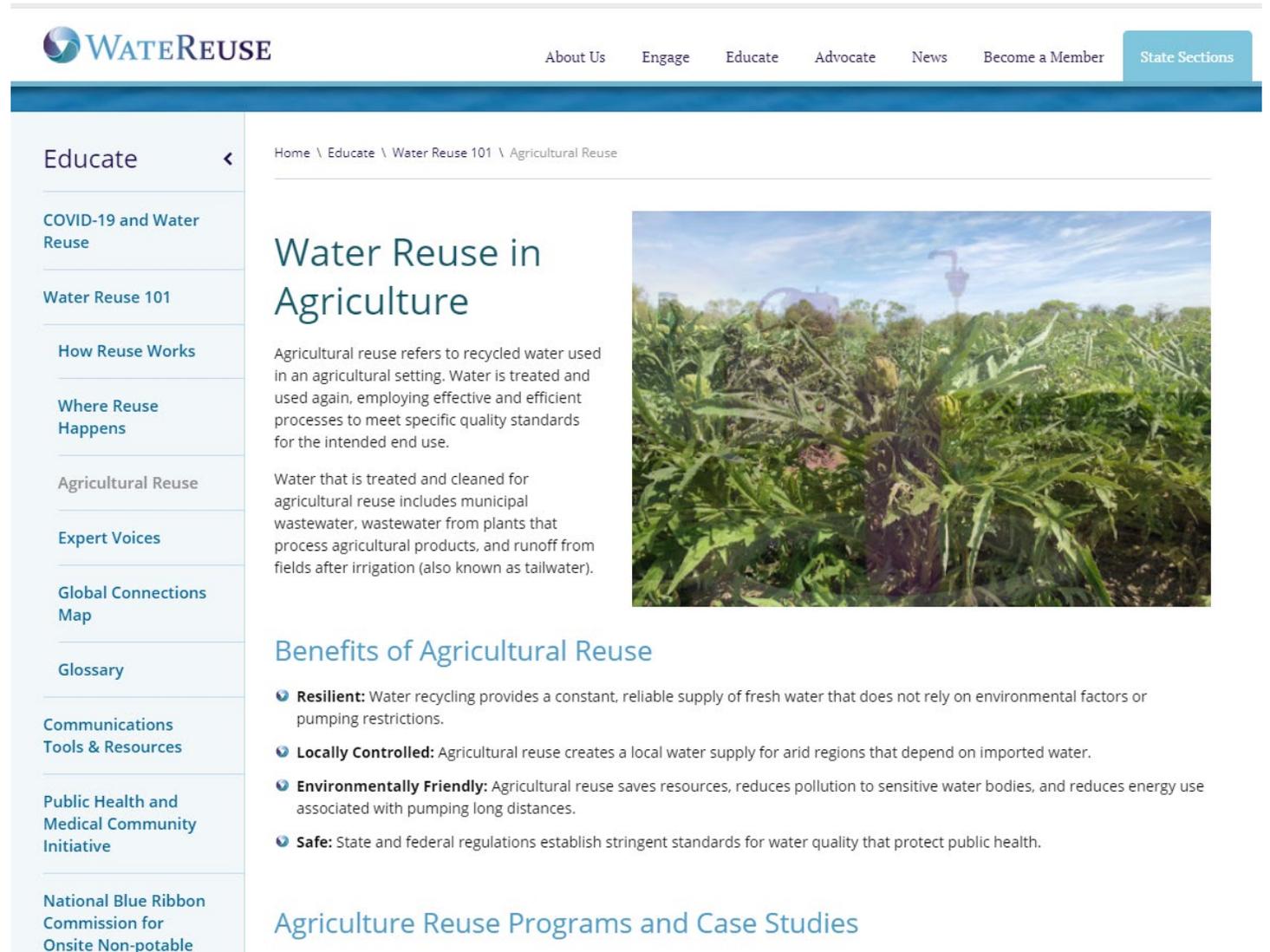
Co-Chairs: Michael Carbajal and Melanie Holmer

Support from Central Valley Chapter, committee meetings open to all interested parties

Everyone is welcome! Email Charles La Salle at clasalle@watereuse.org or Melanie Holmer at mholmer@brwncald.com for more info

Accomplishments

- Development of a WRCA ag reuse website with resources and videos (supported by WRA);
- Information sharing regarding the Water Board's planned update for Title 22 engineering reports in the Central Valley
- Scheduled webinar Summer/Fall 2021 focusing on agricultural reuse in California.



The screenshot shows the 'Water Reuse' website. The top navigation bar includes links for 'About Us', 'Engage', 'Educate', 'Advocate', 'News', 'Become a Member', and 'State Sections'. The left sidebar menu lists various educational resources under the 'Educate' heading, including 'COVID-19 and Water Reuse', 'Water Reuse 101', 'How Reuse Works', 'Where Reuse Happens', 'Agricultural Reuse', 'Expert Voices', 'Global Connections Map', 'Glossary', 'Communications Tools & Resources', 'Public Health and Medical Community Initiative', and 'National Blue Ribbon Commission for Onsite Non-potable'. The main content area features the article 'Water Reuse in Agriculture', which includes a photograph of a lush green agricultural field with a purple irrigation system. The article text explains that agricultural reuse involves recycled water used in an agricultural setting, meeting specific quality standards. It also lists the benefits of agricultural reuse: Resilient (constant water supply), Locally Controlled (local supply for arid regions), Environmentally Friendly (saves resources, reduces pollution), and Safe (stringent standards for water quality).

Water Reuse

About Us Engage Educate Advocate News Become a Member **State Sections**

Home \ Educate \ Water Reuse 101 \ Agricultural Reuse

Educate <

COVID-19 and Water Reuse

Water Reuse 101

How Reuse Works

Where Reuse Happens

Agricultural Reuse

Expert Voices

Global Connections Map

Glossary

Communications Tools & Resources

Public Health and Medical Community Initiative

National Blue Ribbon Commission for Onsite Non-potable

Water Reuse in Agriculture

Agricultural reuse refers to recycled water used in an agricultural setting. Water is treated and used again, employing effective and efficient processes to meet specific quality standards for the intended end use.

Water that is treated and cleaned for agricultural reuse includes municipal wastewater, wastewater from plants that process agricultural products, and runoff from fields after irrigation (also known as tailwater).



Benefits of Agricultural Reuse

- **Resilient:** Water recycling provides a constant, reliable supply of fresh water that does not rely on environmental factors or pumping restrictions.
- **Locally Controlled:** Agricultural reuse creates a local water supply for arid regions that depend on imported water.
- **Environmentally Friendly:** Agricultural reuse saves resources, reduces pollution to sensitive water bodies, and reduces energy use associated with pumping long distances.
- **Safe:** State and federal regulations establish stringent standards for water quality that protect public health.

Agriculture Reuse Programs and Case Studies

Water Board Reporting Requirements

- Requires Title 22 Engineering Report for classification as recycled water
- Approximately 90 agencies in the Central Valley will be updating their permits, including Title 22
- For 2020 survey Water Board clarified the meaning of “land discharge” vs recycled water
- June: New 2020 survey results will be available



Legislative Update

CA Budget Surplus, Recycled Water Funding:

- **Governor's Drought Climate Plan**
(\$150 million RW and Groundwater over 4 years)
(\$1.3 billion drinking water/wastewater infrastructure)
- **Senate Pro Tem Drought Package**
(\$200 million RW –shovel ready Projects)
- **Assembly Budget Plans**
(??)
- **2022 Climate Bond and Video Brochure Status**
- **JUNE 15 DEADLINE FOR BUDGET**



Legislative Update

AB 836 (Gabriel) Onsite Reuse mandate -- Oppose
Two-year bill

AB 1434 (Friedman) Indoor Water Use Standard –
Oppose – Two year bill

DWR Indoor Water Use Standard Recommendations

55 gpcd in 2023

47 gpcd in 2025

42 gpcd in 2030

Release Full Report May 11

Public Workshop May 19

Deadline for Comments May 28

Final Report June



DPR Comments

Differentiating between RWA and TWA

Understanding the Pathogen LRV Requirements
(seeking meeting)

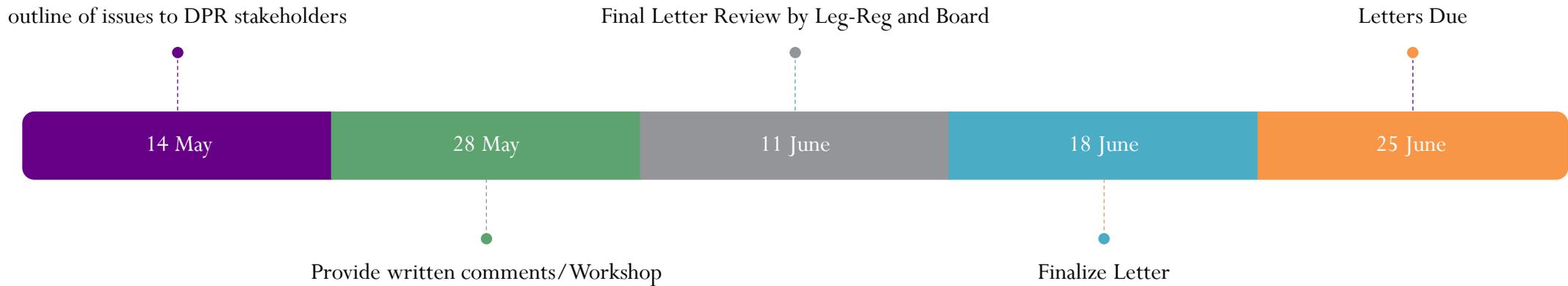
Specify performance goals and reduce prescriptive
design criteria: Ex BAC/O3

Streamline redundant plans

AWT 5 Operators 24/7: revise to allow some flexibility

Alternative Clause Inclusion Positive

DPR Criteria Comment Letter Timeline



Regulatory Update Continued

Potable Reuse Bonus Incentive

High TDS Variance for Recycled Water

Indoor Water Use Study RW / Wastewater
Impacts

CWSRF IUP / Status Review with Office of
Water Sac. State

Cross Connection Handbook

LA Waterkeeper Decision

- WRCA Participates in Amicus Brief
- Contribute \$5K towards legal effort



2021 Water Reuse California
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**BUILDING A RESILIENT
FUTURE TOGETHER**