



PANELISTS





DANIELLE VEENSTRA

Almond Board of California



MIKE BRIANO

Harris Woolf



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Almond Board of California



ASHLEY BOREN

Sustainable Conservation





CONSUMERS



Global conditions are driving consumers to examine the value of ability are best positioned to maintain relevance and demand. For snack manufacturers, the Almond Board of California (ABC) is providing new resources to help inspire innovation and communicate almonds' standout sustainability story to global consumers







POLICYMAKERS

Main program

Sponsors

CLIMATE GROUP

Harnessing California's spirit of innovation for on-farm climate change solutions at scale

- Secretary Karen Ross, California Department of Food and
- 2 Dr. Josette Lewis, chief scientific officer, Almond Board of
- Allison Jordan, vice president of environmental affairs, Wine Institute

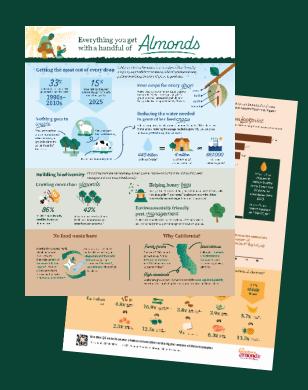
Event by: Almond Board of California

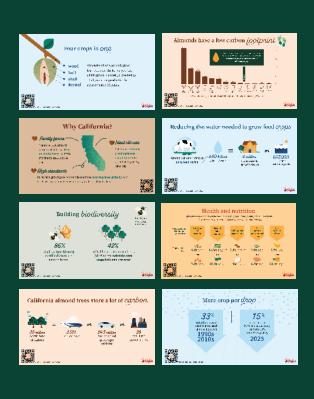
THOUGHT **LEADERS**

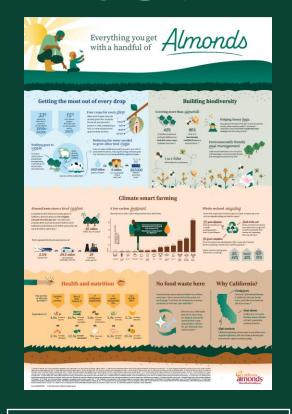












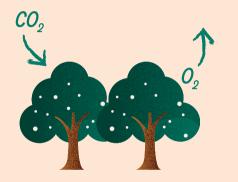
Digital Infographic

8.5"x11" Printable

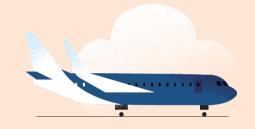
16:9 Slides

36"x24" Poster

California almond trees store a lot of carbon



30 million metric tons of carbon



*3,134*Boeing 737s



24.5 million gas-powered passenger vehicles



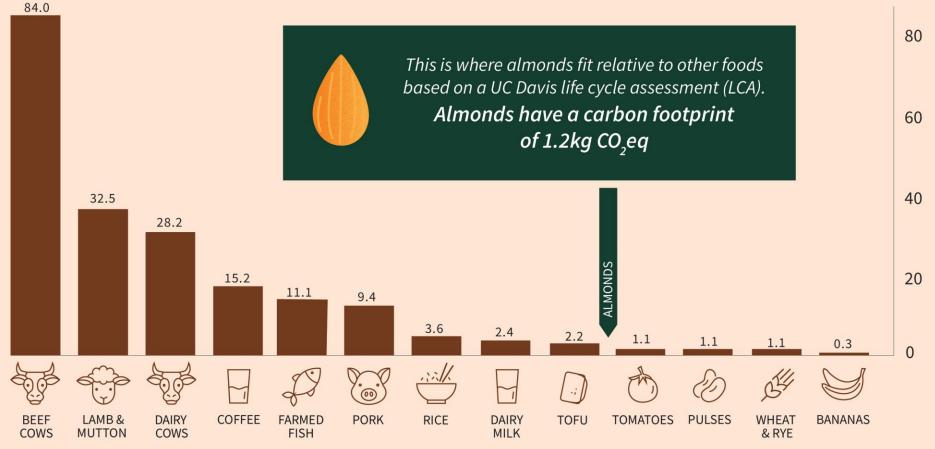
29 coal-fired power plants





Almonds have a low carbon footprint







Greenhouse gas emissions per kilogram of food product (kg CO₂eq)



Building biodiversity

Growing more than almonds





86%

of all U.S. **bee-friendly certified farms** are almond farms.



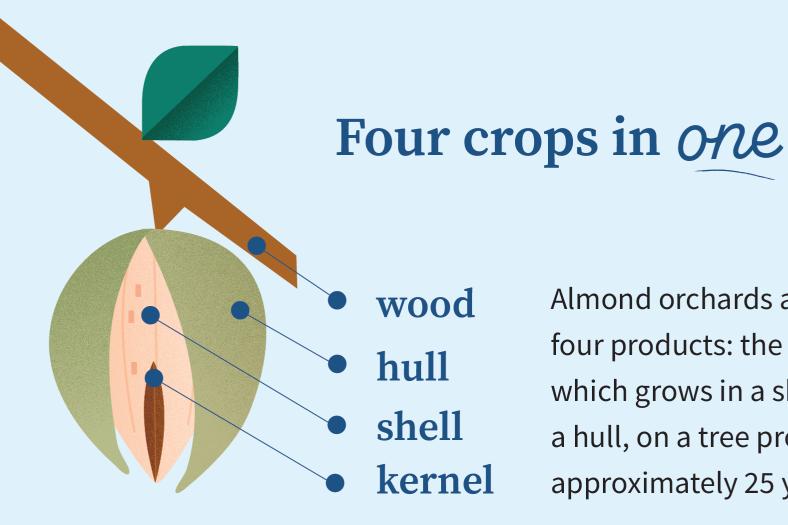
42%

of California almond orchards (685K acres) **maintain cover crops** between tree rows.



Bees get their first food of the year in almond orchards as they collect nutritious pollen and nectar. Beekeepers report their **hives consistently leave stronger** than when they arrived.





Almond orchards actually grow four products: the kernel you eat, which grows in a shell, protected by a hull, on a tree productive for approximately 25 years.

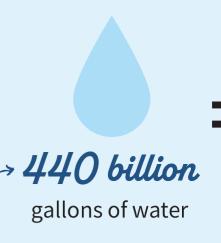




Reducing the water needed to grow feed crops



Almond hulls are nutritous **dairy feed**, saving





U.S. households' annual water use





Why California?



There are 7,600 almond farmers in California: 90% are family farms, and 70% of orchards are 100 acres or less.



California is 1 of only

5 Mediterranean

climates on Earth,
essential to growing
almonds.



California's growing environment is one of the **most regulated globally**, with strict laws protecting the environment, worker and food safety.



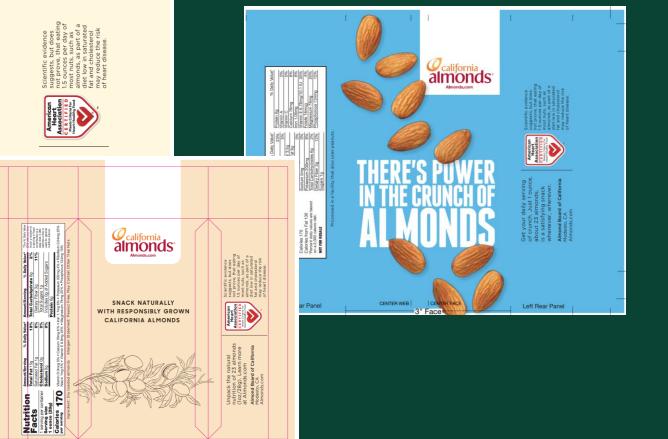
Nutrition Facts

1 serving per container
Serving size
1 ounce (28g)
Calories 170

Protein B Orog D9. • Calcium 78mg 99. • Includes 0g of Addi Protein B Orog D9. • Calcium 78mg 99. • Incl. 1.mg 69. • Potassium Phosphorus 134mg 129. • Vilanin E 6.8mg 45% • Magni Phosphorus 134mg 109.

SNACK NATURALLY WITH RESPONSIBLY GROWN CALIFORNIA ALMONDS





END SEAL





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SNACK NATURALLY
Good for you. Good for the planet.

END SEAL

Scientific evidence suggests, but does not prove, that but does not prove, that earing 1.5 enunces of nuts a day such as almonds, as part of a such as almonds, as that and diet low in saturated lat and chelesterol may reduce the richolesterol may reduce the city heart disease.



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86%

of all U.S. beefriendly certified farms are almond farms, supporting pollinators and biodiversity.

ALMONDS.COM/WHYALMONDS

Ilmond fer amily far 70% are 1 or less.

4 crops per

Almonds for us, hulls and shells for livestock feed and bedding, and carboncapturing trees.

ALMONDS.COM/WHYALMONDS



of California's almond farms are family farms, and 70% are 100 acres or less.

ALMONDS.COM/WHYALMONDS



30 million tons of carbon

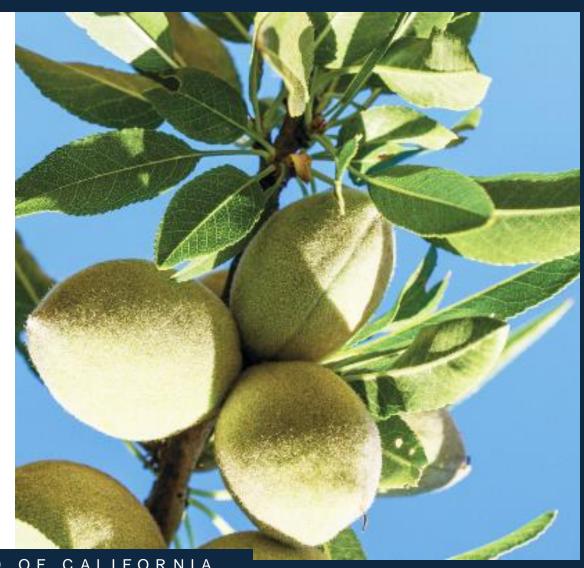
are captured by California's almond trees, offsetting the annual emissions of 24 million cars.

ALMONDS.COM/WHYALMONDS



Telling the Almond Sustainability Story

Speaker: Michael Briano (Harris Woolf)



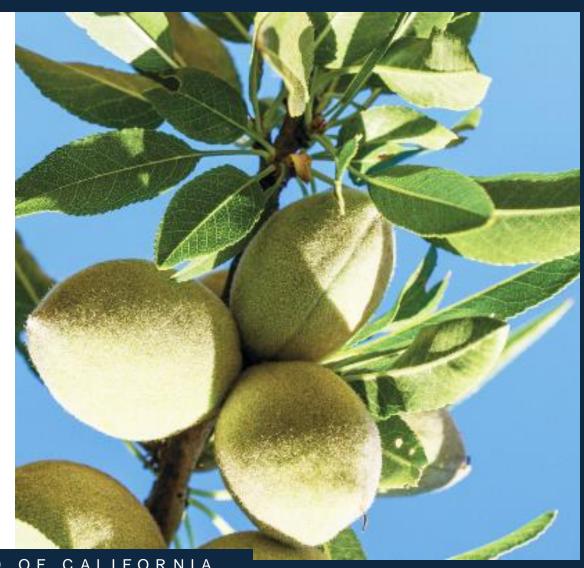
HWA's Keys to Sustainability Success

- Willing ownership group
- Supportive customers
- Willing and compensated supply chain (GROWERS!)
- Realistic and achievable practices that are scalable
- Conservative approach
- Leverage existing resources



Telling the Almond Sustainability Story

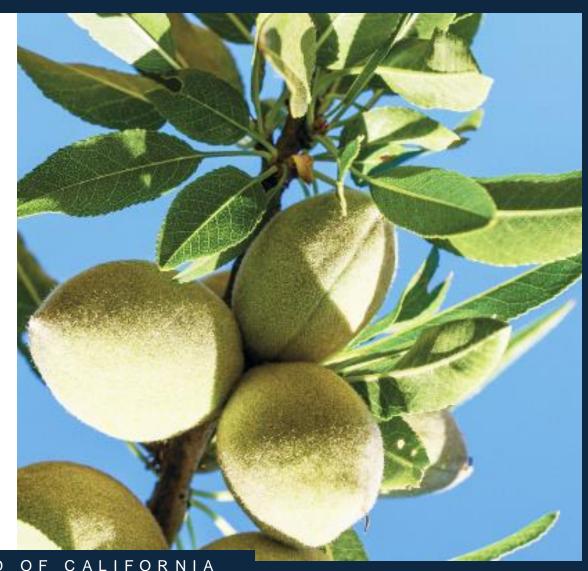
Speaker: Michael Briano (Harris Woolf)





Telling the Almond Sustainability Story

Speaker: Josette Lewis (ABC)





ROOTED TOGETHER
THE ALMOND CONFERENCE

Moving the needle on our water story





Seen what's possible with pollinators

86% registered Bee Friendly Farms are almonds

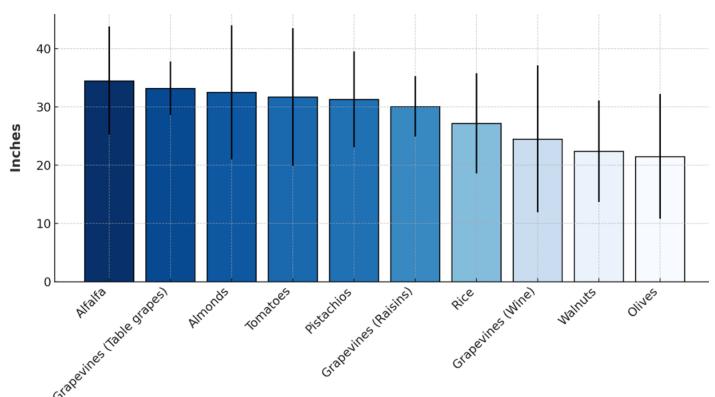
More than 35,000 acres permanent habitat + more than 100,000 acres of floral cover crops

Honey bees are healthier with cover crops

Net benefit to native bees with habitat alongside orchard

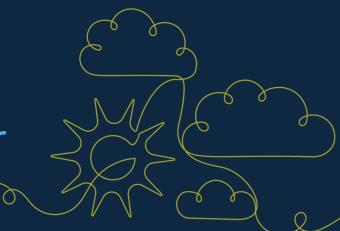
Conservation partners tell our story

Almonds not the thirstiest crop





Co-product use saves water



Nothing goes to waste

Trees store carbon — and are **transformed** into electricity or ground up into the soil at the end of their lives.



Reducing the water needed to grow other feed crops

Hulls can replace alfalfa hay pound for pound in up to 20% of dairy feed formulations, reducing the acreage needed to grow it by 386,000 acres and saving 440 billion gallons of water.³



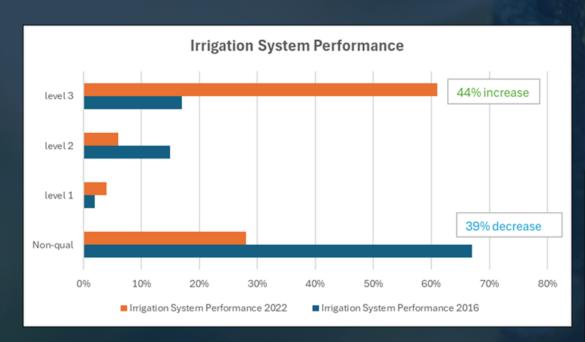
gallons of water³

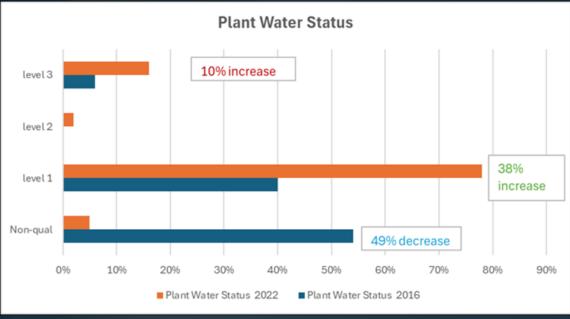
U.S. households'



667,000 Olympic swimming pools⁵

Growers using more precision



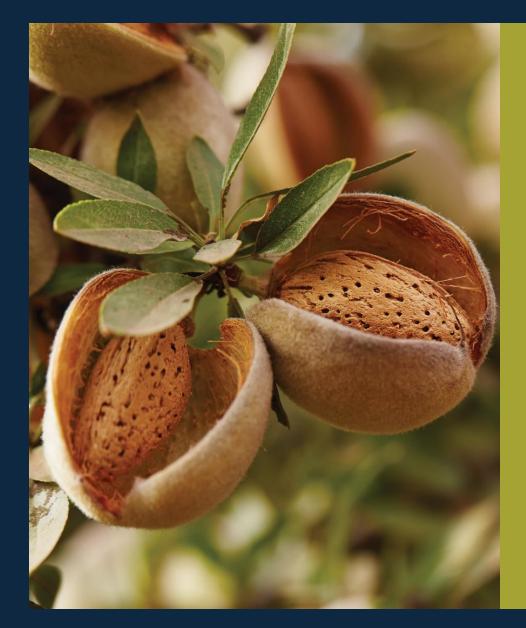


Growers doing their part

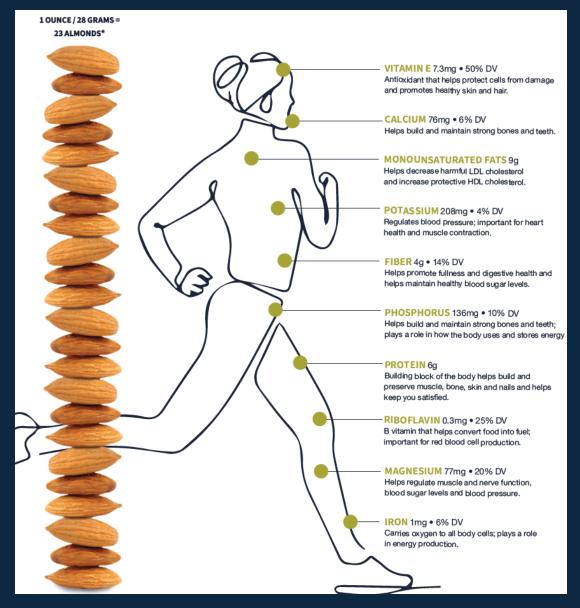
- Serving on GSAs
- Economic impact of fallowing land & decline land prices
- Recharging groundwater

Farm to the highest standards

- Regulation a double-edged sword
- California the place defining what sustainable water management looks like



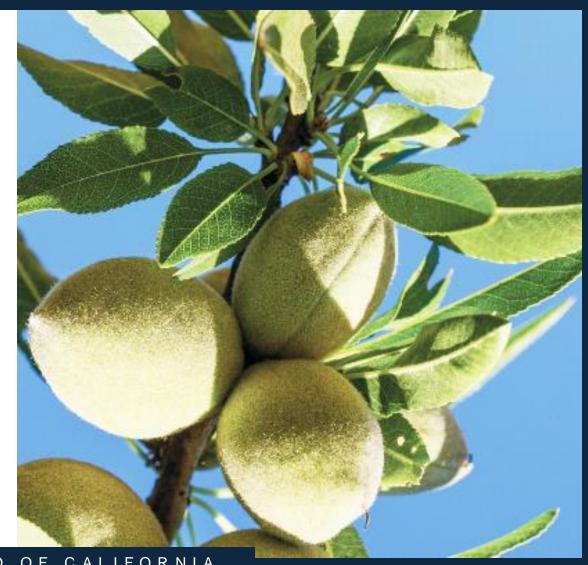
Powerful nutrition with every drop to grow almonds





Telling the Almond Sustainability Story

Speaker: Ashley Boren (Sustainable Conservation)



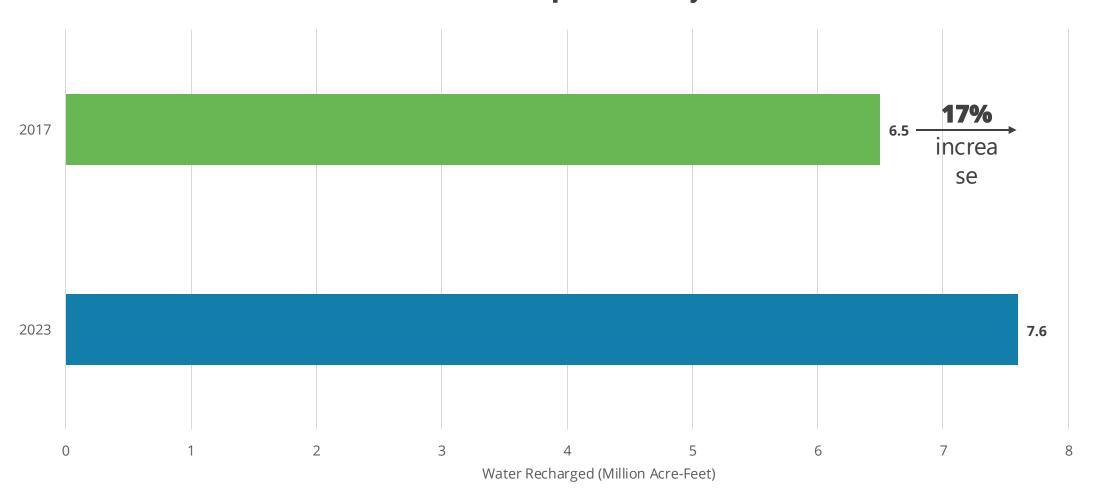




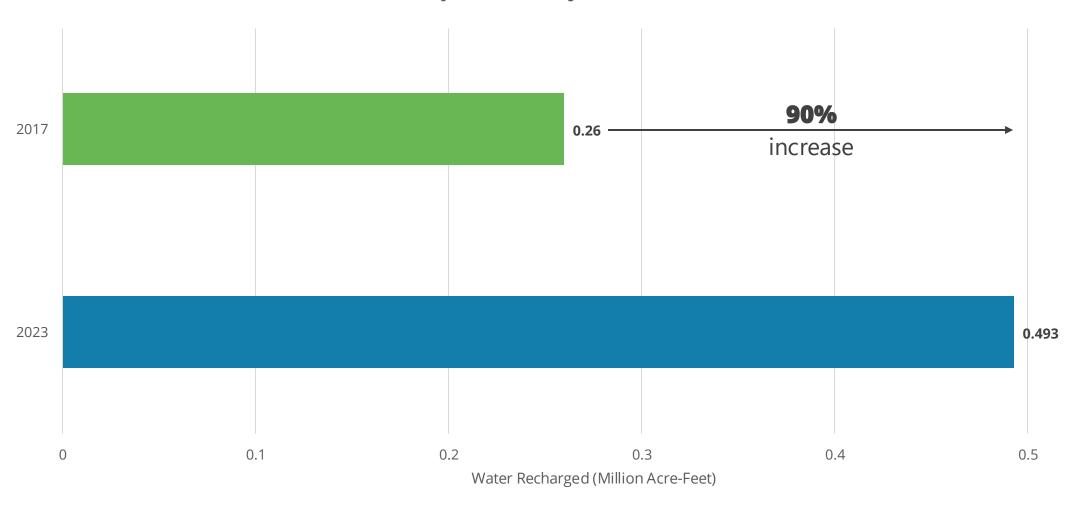
Flood Managed Aquifer Recharge (FloodMAR) in the SJV

Almond Board of California Dec. 12, 2024

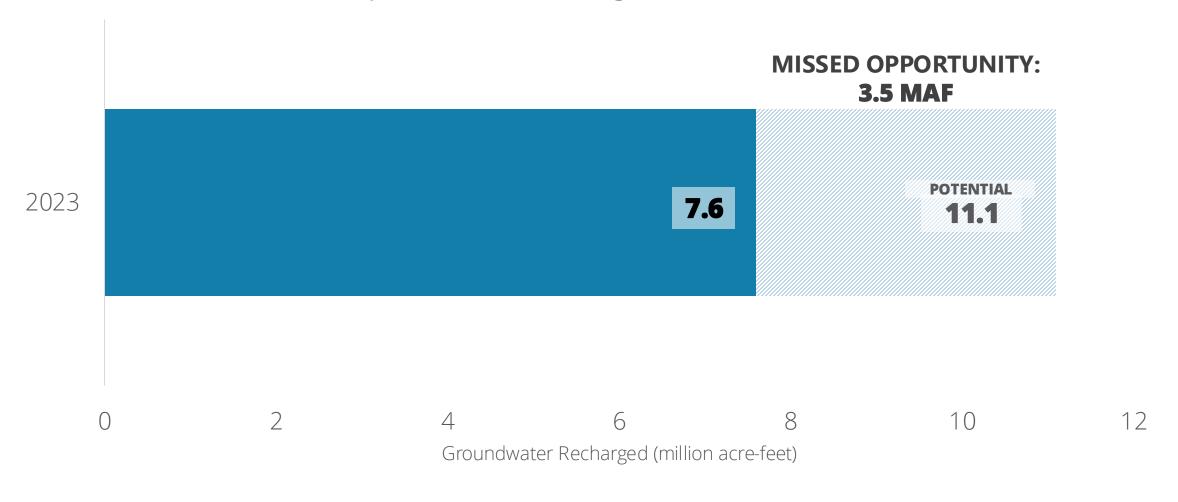
Total Recharge (Million Acre-Feet) across all Recharge Methods in the San Joaquin Valley in 2017 and 2023



Total On-Farm Recharge (Million Acre-Feet) in the San Joaquin Valley in 2017 and 2023



Total and Potential Groundwater Recharged in the San Joaquin Valley Across all Recharge Methods in 2023



Merced Flood-MAR Strategies and Projected Impacts

reservoir operation +



on-farm recharge

conveyance expansion +

on-farm recharge

existing conveyance plus on-farm recharge



31% 46% **63%**



