

Summary of results from the 2021 Volumetric Annual Report of Wastewater and Recycled Water in California

Agenda Item 5



Division of Water Quality, August 2, 2022



Rebecca Greenwood
Engineering Geologist



Laura McLellan
Sr. Environmental Scientist



Annalisa Kihara
Assistant Deputy Director

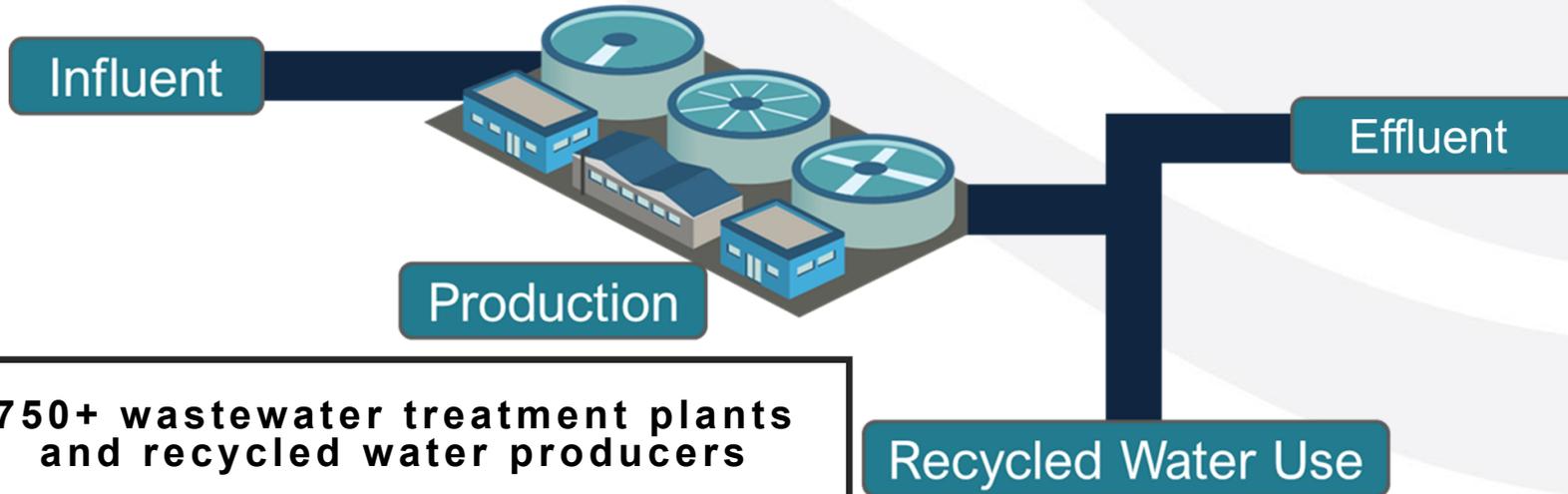


Claire Waggoner
Environmental Program Manager

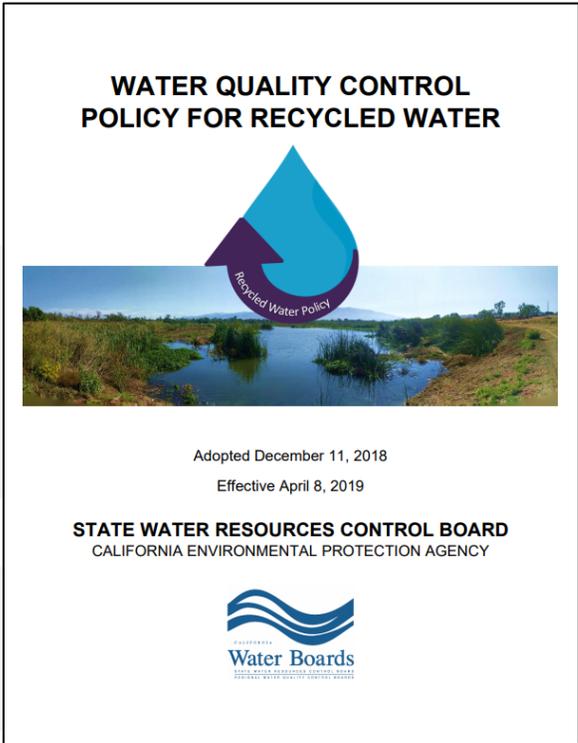


Tim Regan
Office of Chief Counsel

Recycled Water Policy Goals



750+ wastewater treatment plants and recycled water producers



INCREASE
the volume of recycled water used to at least 2.5 million acre-feet a year in the next decade

MAXIMIZE
reuse where groundwater supplies are in a state of overdraft

REUSE
all dry weather discharge to enclosed bays, estuaries, coastal lagoons, and ocean waters, as feasible

Volumetric Reporting Compliance

Due Date

Report Analysis

Board Item

Compliance Rate as of July 29, 2022

2019

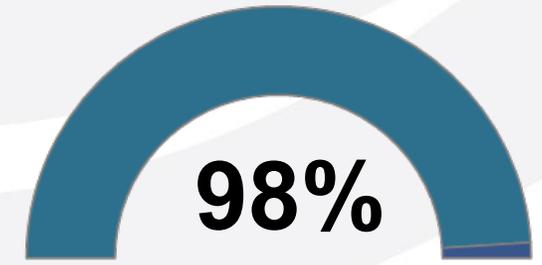
June 30, 2020
66%



Sept. 15, 2020
89%



Jan. 5, 2021
94%



2020

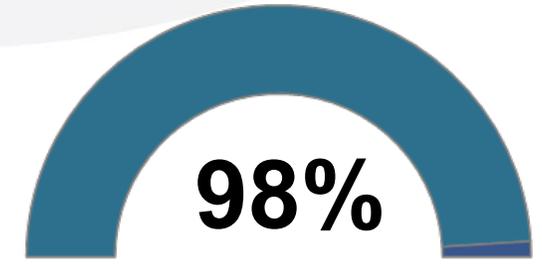
April 30, 2021
88%



Aug. 1, 2021
92%



Oct. 19, 2021
94%



2021

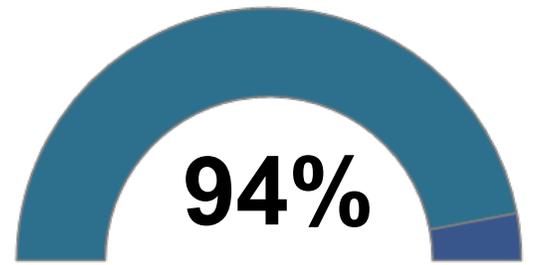
April 30, 2022
90%

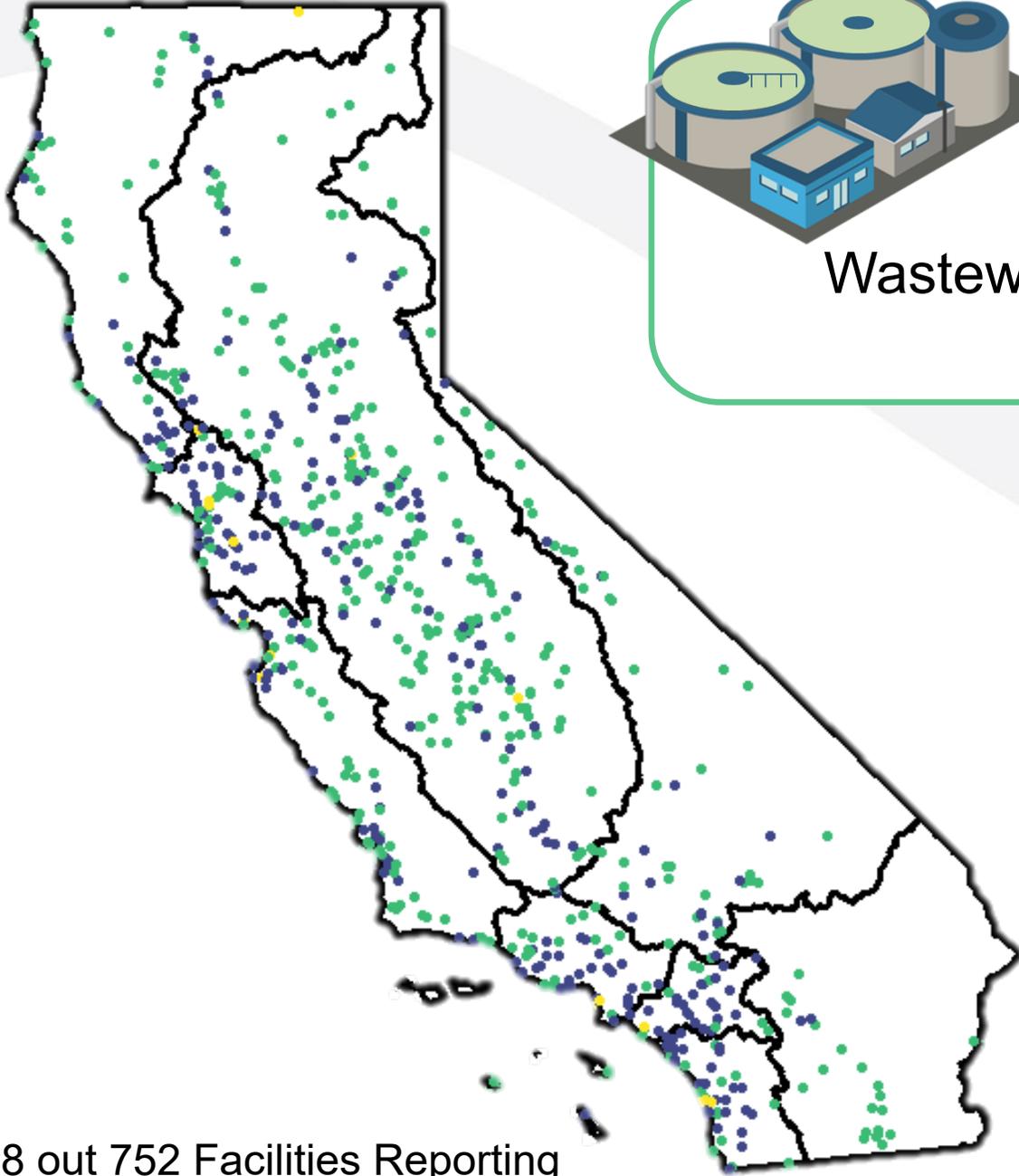
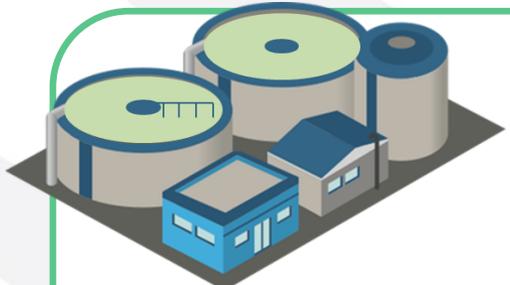


May 25, 2022
94%

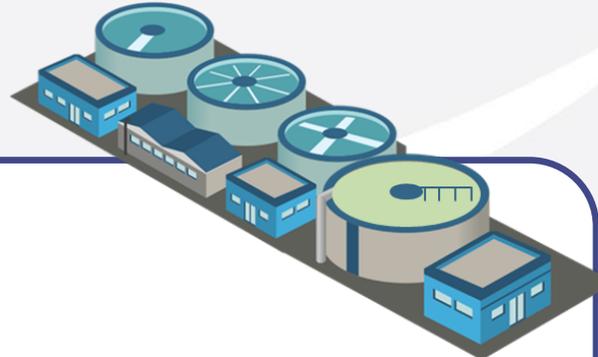


Aug. 2, 2022
94%

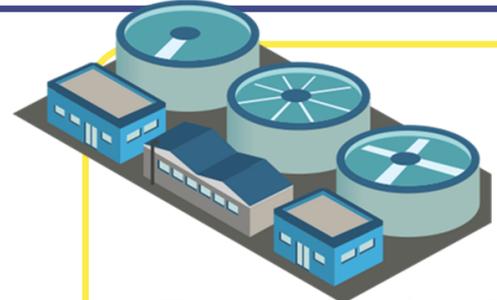


421
Wastewater Treatment
Plants



267
Wastewater Treatment Plants that
produce recycled water



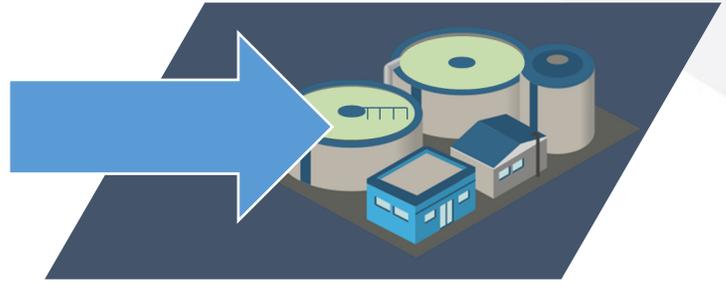
20
Recycled Water Producers*

708 out of 752 Facilities Reporting

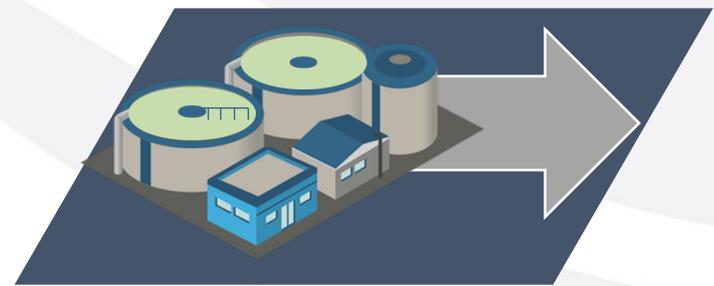
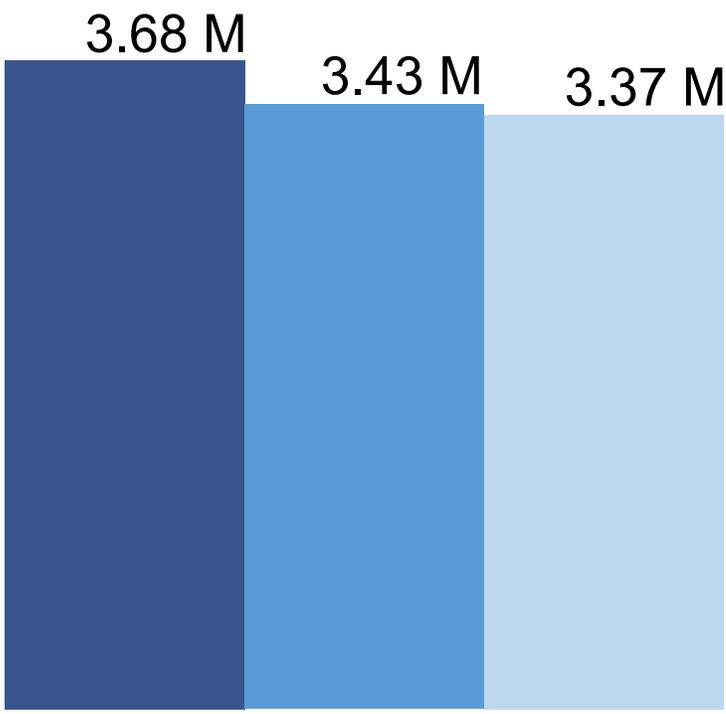
* These facilities do not receive raw wastewater

2019 - 2021 Volume Comparison

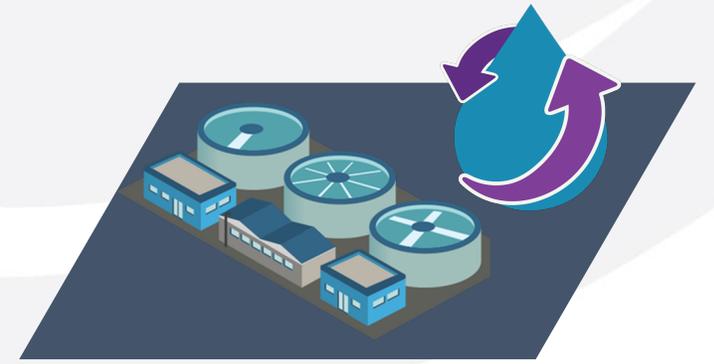
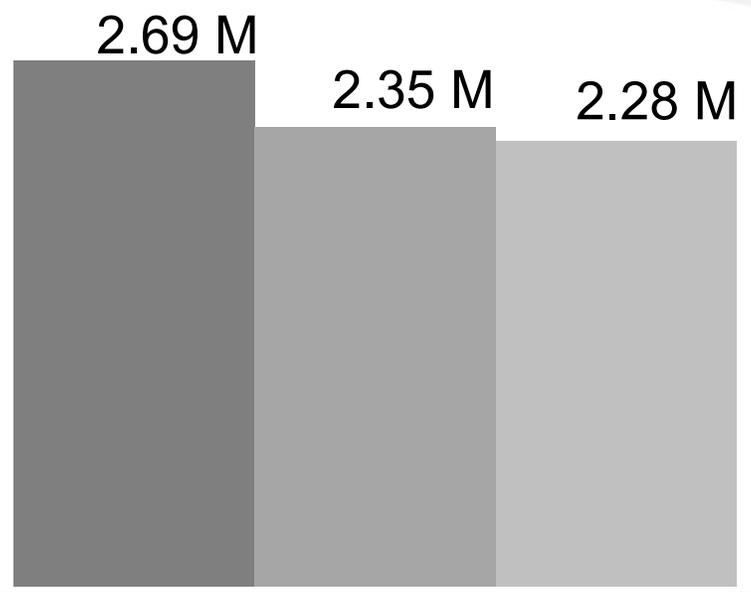
Acre-Feet
per Year
(AFY)



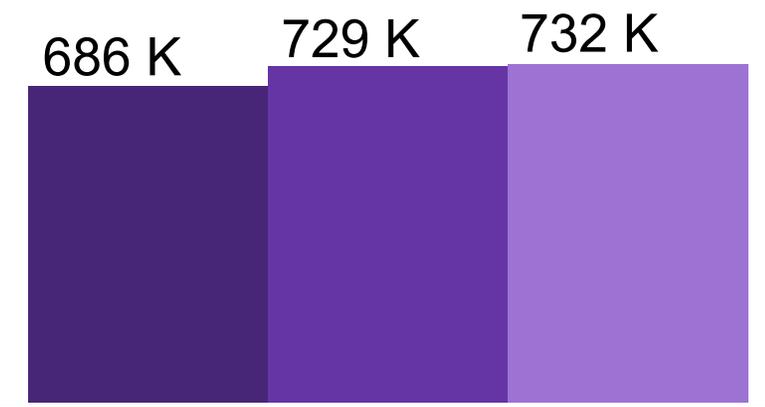
Influent



Effluent



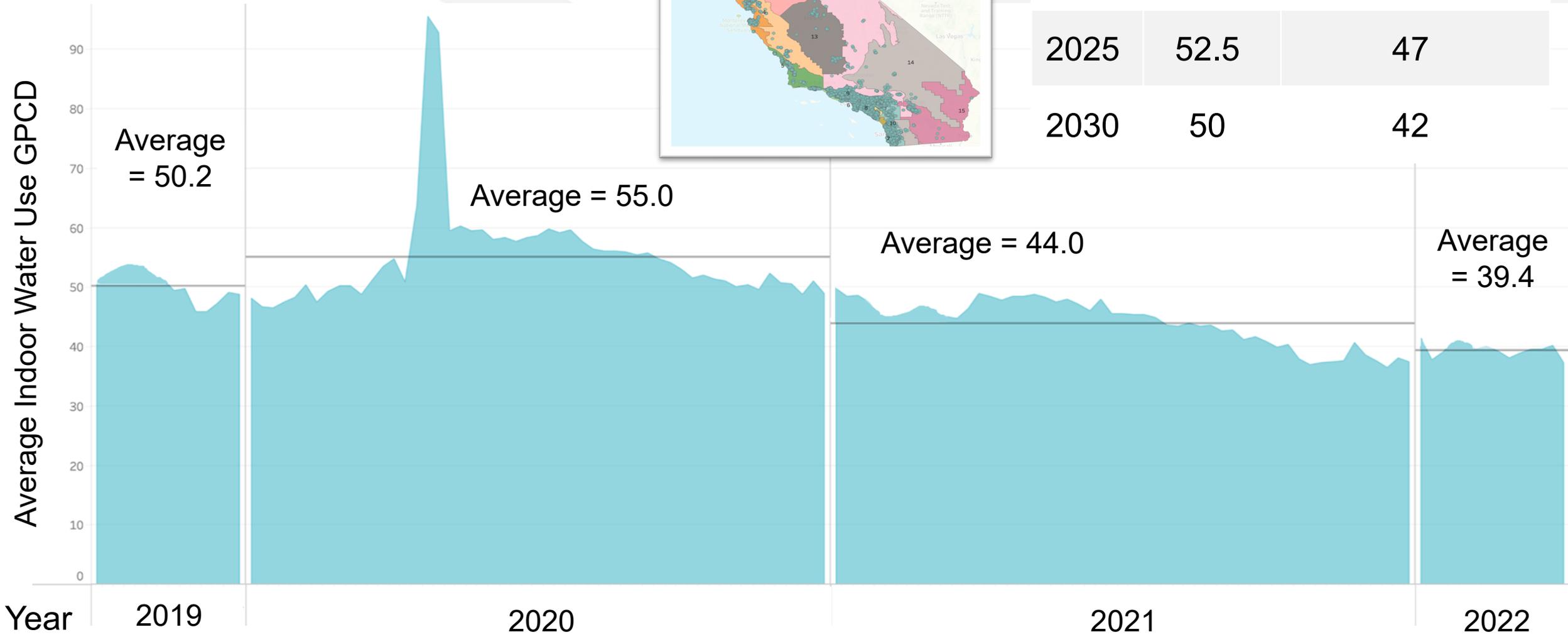
Recycled Water



Conservation



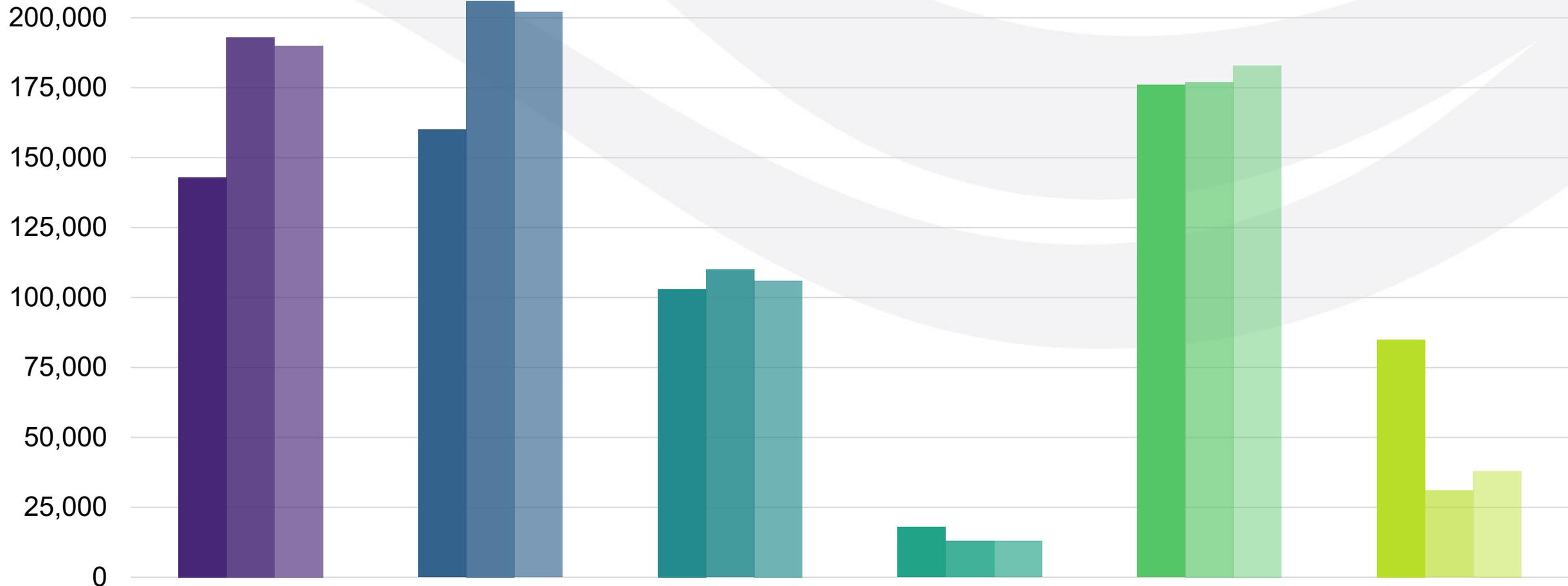
Year	Statute	DWR-SWB Recommendation
2020	55	No change
2025	52.5	47
2030	50	42



info@flumedatalabs.com | www.flumedatalabs.com

2019 - 2021 Recycled Water Use Category

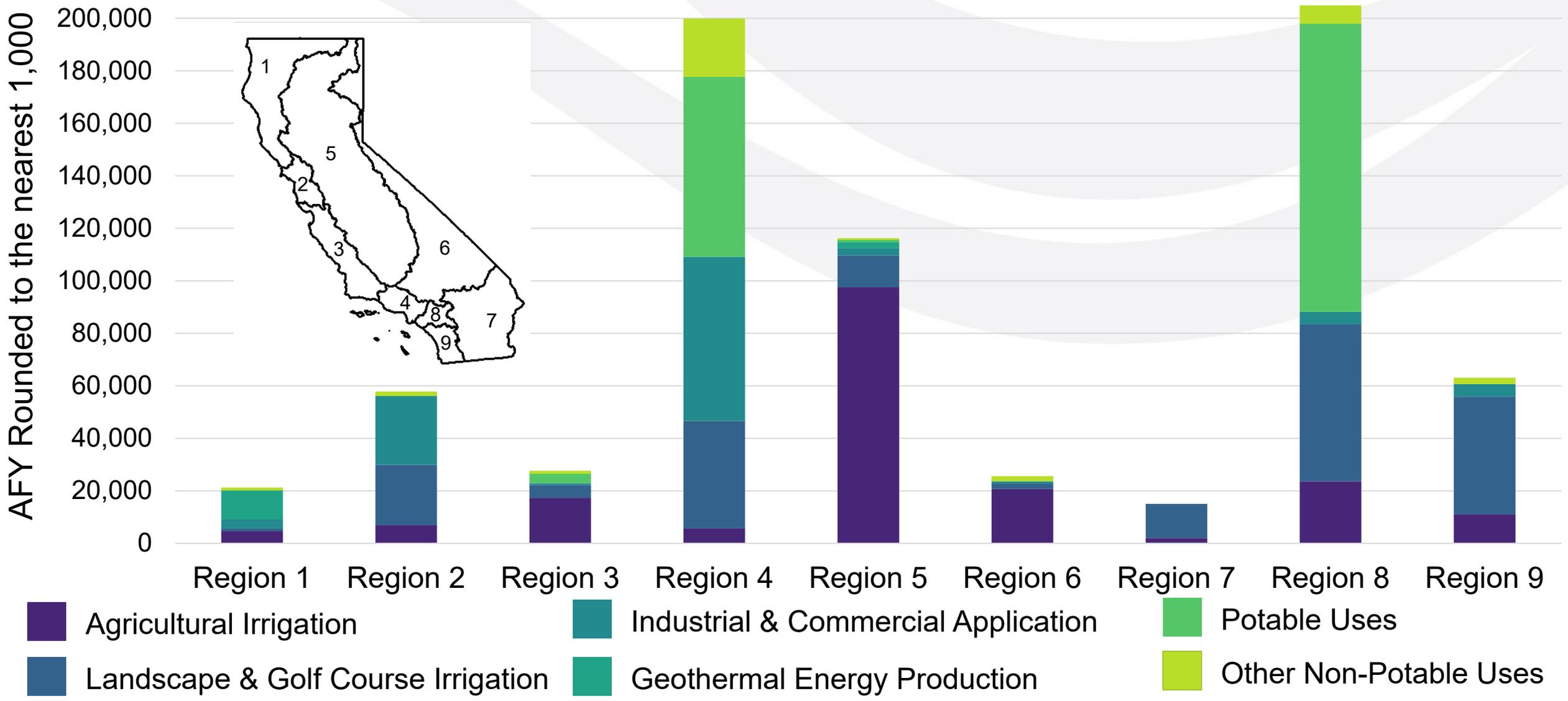
AFY Rounded to the nearest 1,000



2019 - 2021

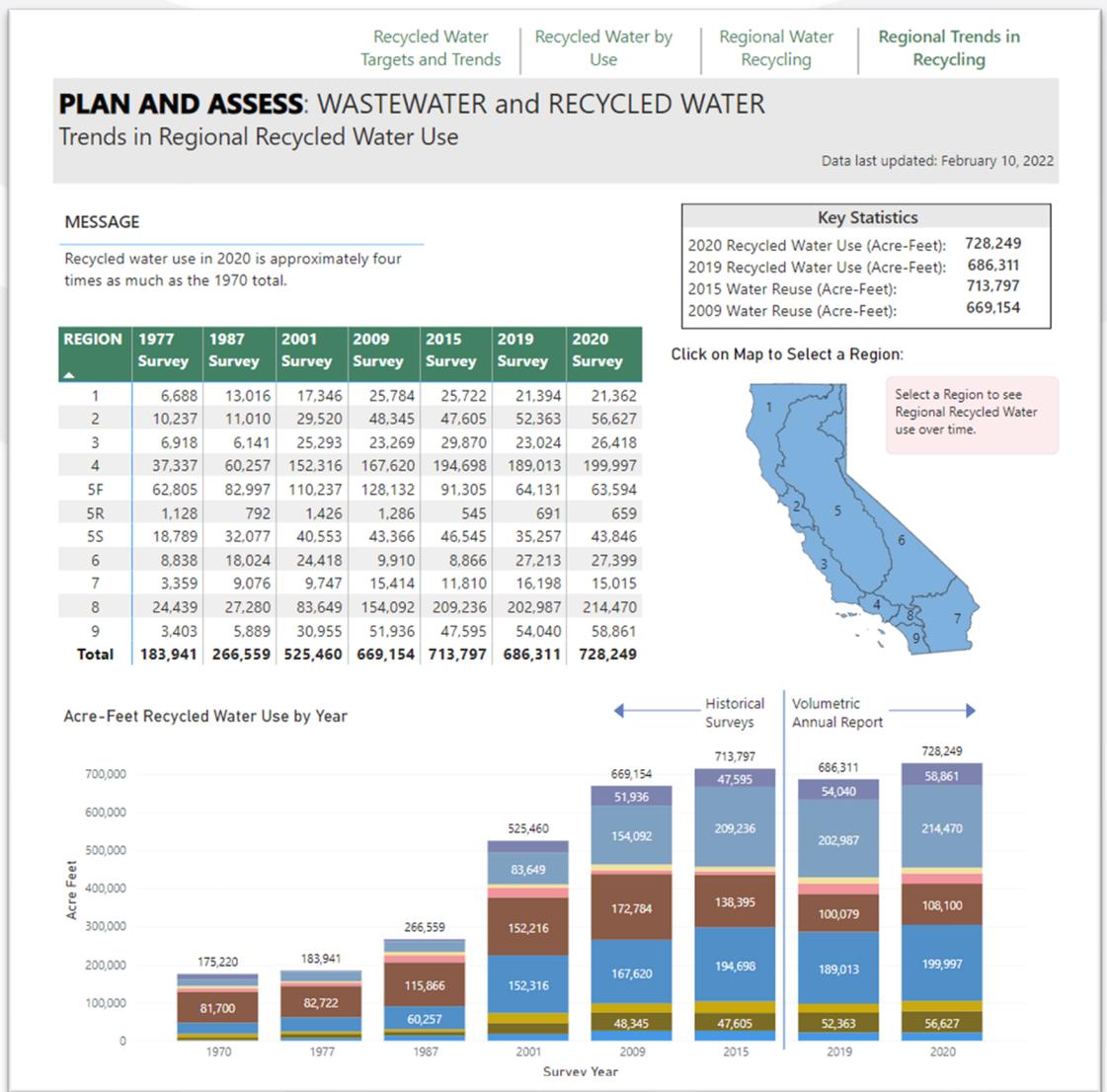
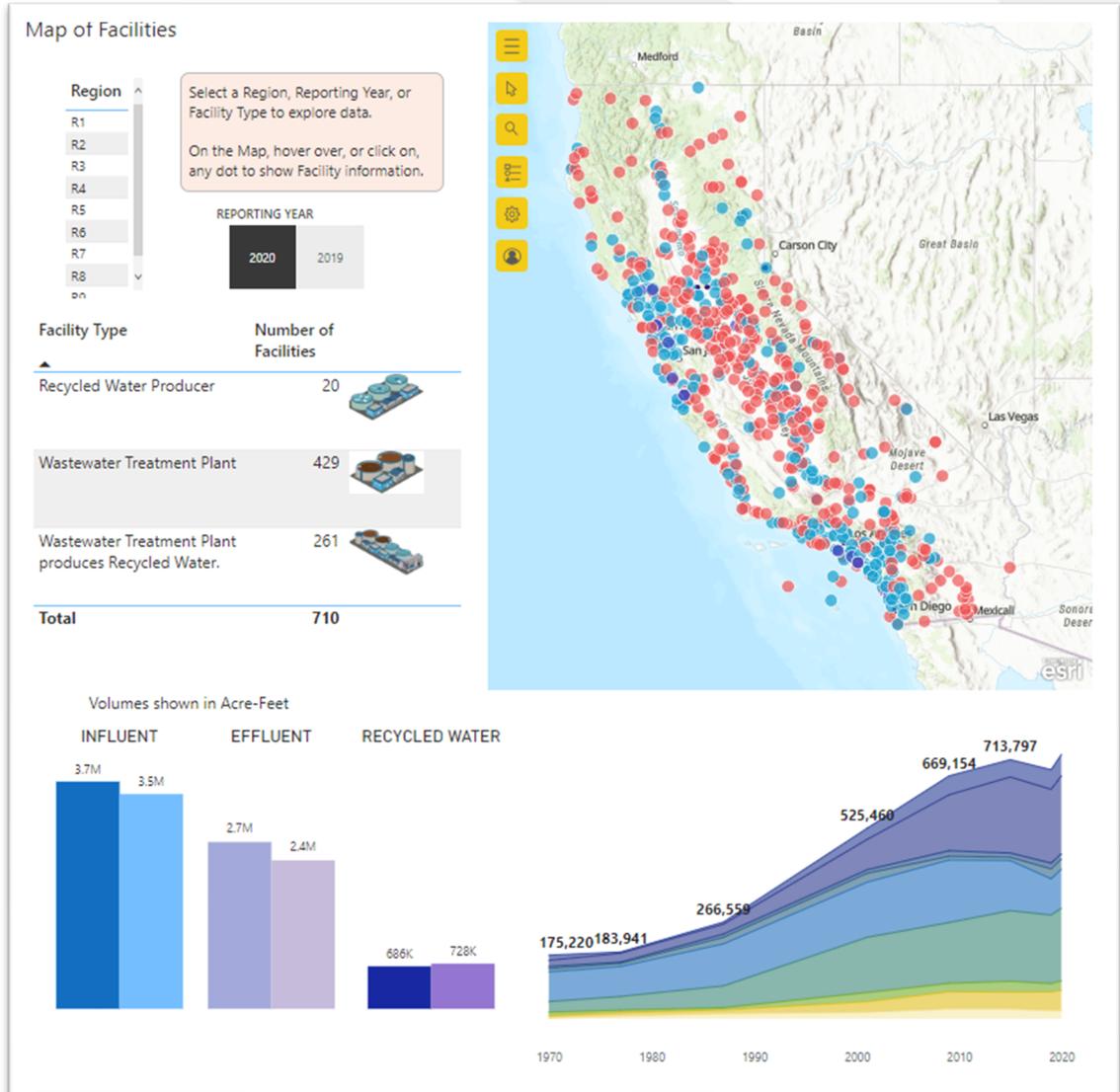
- Agricultural Irrigation
- Industrial & Commercial Application
- Potable Uses
- Landscape & Golf Course Irrigation
- Geothermal Energy Production
- Other Non-Potable Uses

2021 Recycled Water Use, Regional Board



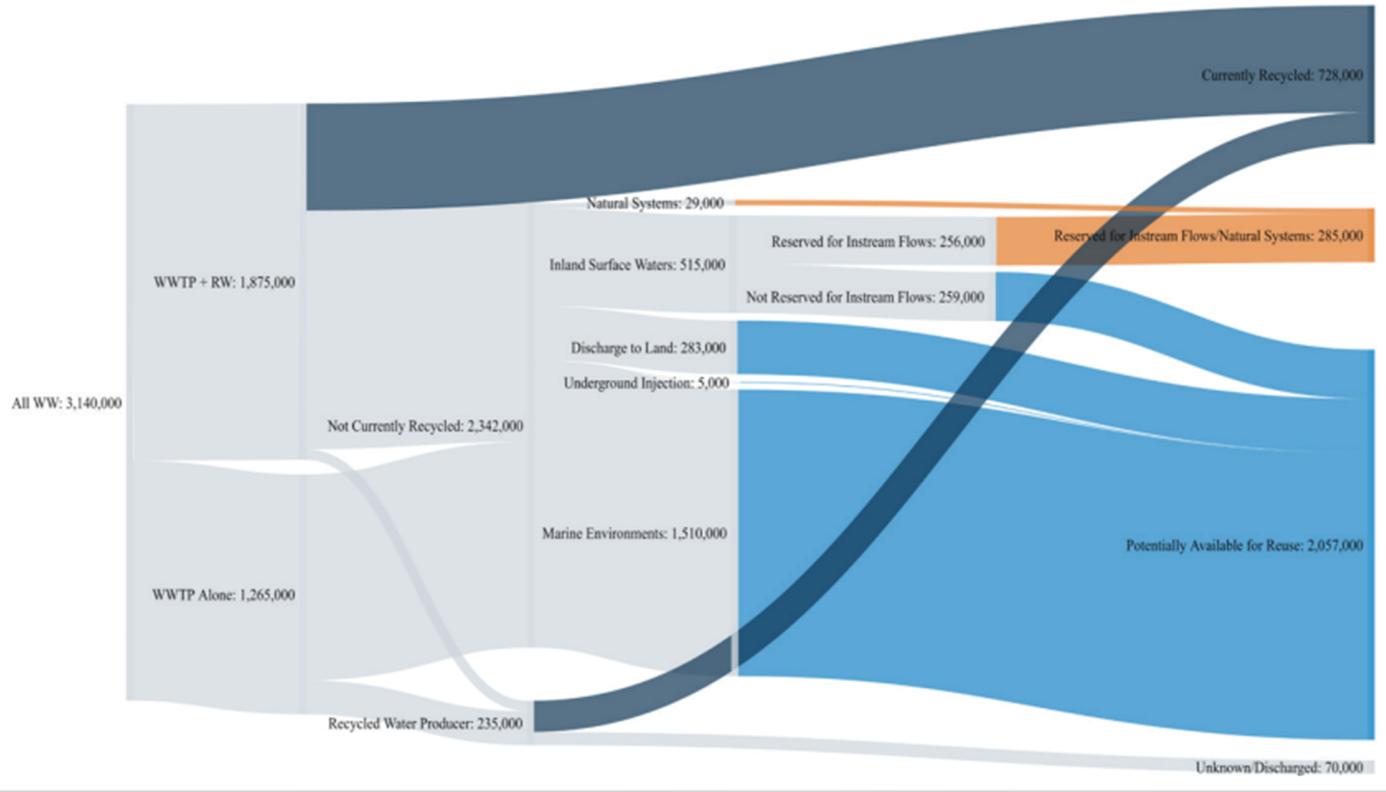
Webpage Updates and Tools

Recycled Water Policy
[Volumetric Reporting Webpage](#)

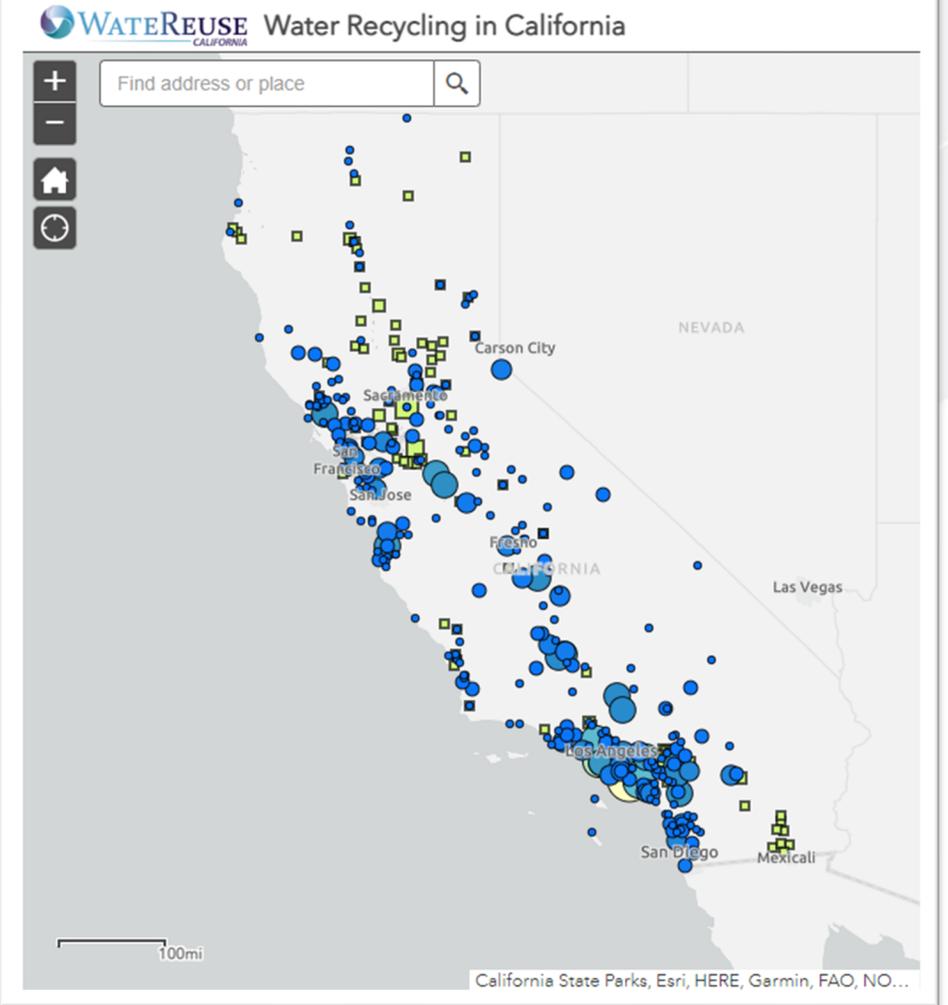


Open Data

Figure 12. Flow Diagram Showing Wastewater Effluent, Discharge Locations, and the Quantities of Water Currently Recycled, Potentially Available for Reuse, and Reserved for Instream Flows or Natural Systems



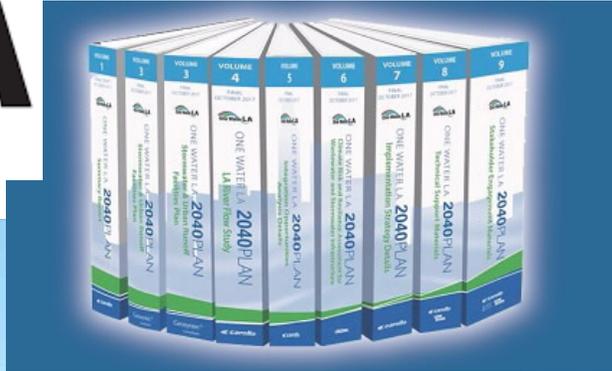
Water Reuse Projects in California



Pacific Institute | pacinst.org
**The Untapped Potential of California’s Urban Water Supply:
 Water Efficiency, Water Reuse, and Stormwater Capture**

WaterReuse | watereuse.org
Water Reuse Projects in California

Direct Potable Reuse



Pure Water Monterey

A Groundwater Replenishment Project



Recycled Water Funding

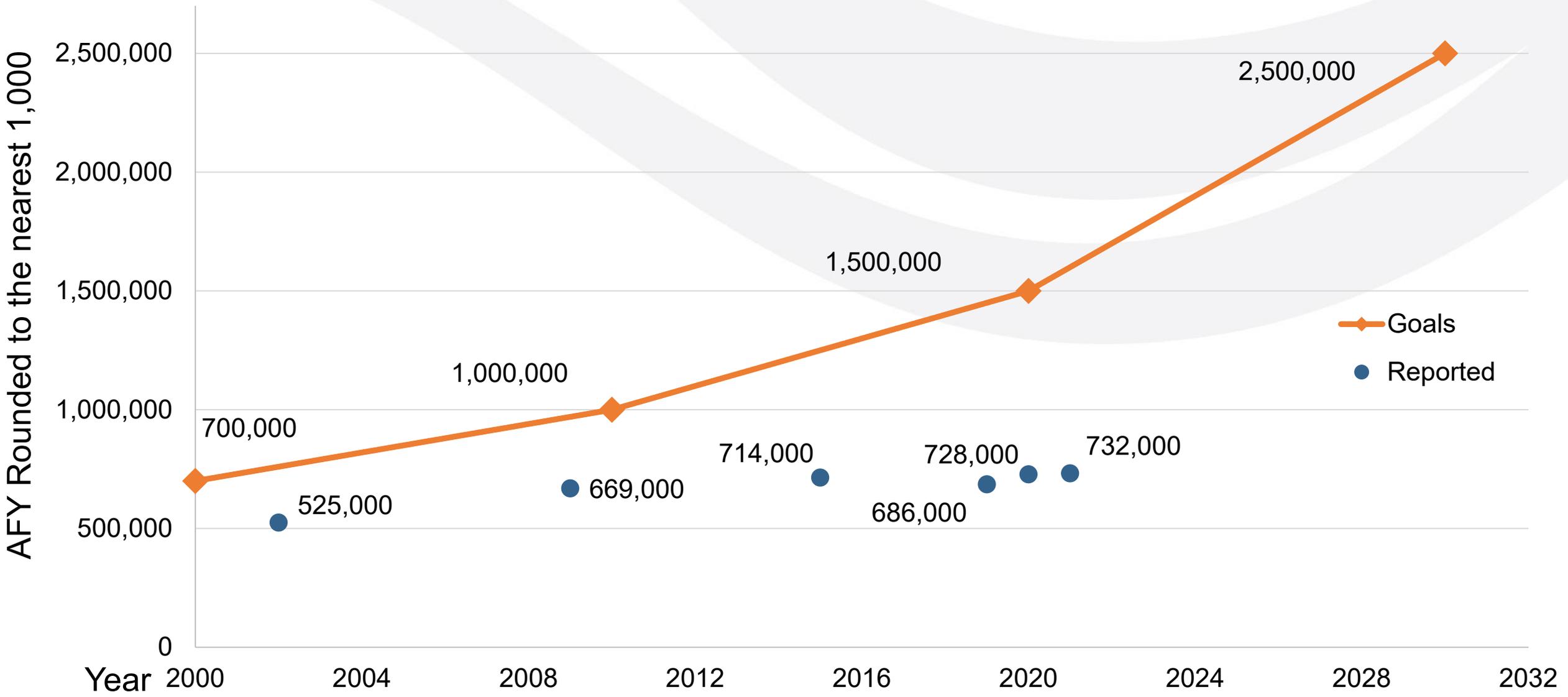


Planning

Construction

Research

Re-Evaluating Goals



Looking Forward



VOLUMETRIC ANNUAL REPORT

REPORT OF WASTEWATER AND RECYCLED WATER



Contact Us

For assistance with creating a GeoTracker account, email:
geotracker@waterboards.ca.gov

For assistance with the volumetric annual report, email:
recycledwater@waterboards.ca.gov

Help guides and additional resources and a link to the Open Data Portal can be found at:
waterboards.ca.gov/recycledwater

