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
Key Recycled Water Personnel

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

<table>
<thead>
<tr>
<th>Due Date</th>
<th>Report Analysis</th>
<th>Board Item</th>
<th>Compliance Rate as of July 29, 2022</th>
</tr>
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<tbody>
<tr>
<td>June 30, 2020</td>
<td>Sept. 15, 2020</td>
<td>Jan. 5, 2021</td>
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<tr>
<td>66%</td>
<td>89%</td>
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<tr>
<td>88%</td>
<td>92%</td>
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<td>April 30, 2022</td>
<td>May 25, 2022</td>
<td>Aug. 2, 2022</td>
<td>94%</td>
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<tr>
<td>90%</td>
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2021 Volumetric Annual Report of Wastewater and Recycled Water

California Water Boards

Reporting Facilities

5

421
Wastewater Treatment Plants

267
Wastewater Treatment Plants that produce recycled water

20
Recycled Water Producers*

* These facilities do not receive raw wastewater

708 out 752 Facilities Reporting
2019 - 2021 Volume Comparison

**Influent**
- 2019: 3.68 M
- 2020: 3.43 M
- 2021: 3.37 M

**Effluent**
- 2019: 2.69 M
- 2020: 2.35 M
- 2021: 2.28 M

**Recycled Water**
- 2019: 686 K
- 2020: 729 K
- 2021: 732 K

Acre-Feet per Year (AFY)
Conservation

### Average Indoor Water Use GPCD

<table>
<thead>
<tr>
<th>Year</th>
<th>Average Indoor Water Use GPCD</th>
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<tbody>
<tr>
<td>2019</td>
<td>50.2</td>
</tr>
<tr>
<td>2020</td>
<td>55.0</td>
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<tr>
<td>2021</td>
<td>44.0</td>
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<td>2022</td>
<td>39.4</td>
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#### Statute and Recommendation

<table>
<thead>
<tr>
<th>Year</th>
<th>Statute</th>
<th>DWR-SWB Recommendation</th>
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<tbody>
<tr>
<td>2020</td>
<td>55</td>
<td>No change</td>
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<tr>
<td>2025</td>
<td>52.5</td>
<td>47</td>
</tr>
<tr>
<td>2030</td>
<td>50</td>
<td>42</td>
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Contact: info@flumedatalabs.com | www.flumedatalabs.com
Webpage Updates and Tools

Recycled Water Policy
Volumetric Reporting Webpage

2021 Volumetric Annual Report of Wastewater and Recycled Water
California Water Boards
Open Data

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

WateReuse | watereuse.org
Water Reuse Projects in California

2021 Volumetric Annual Report of Wastewater and Recycled Water

California Water Boards
Direct Potable Reuse

One Water LA

Pure Water Monterey
A Groundwater Replenishment Project
Recycled Water Funding

- Planning
- Construction
- Research
Re-Evaluating Goals

AFY Rounded to the nearest 1,000

Year
Goals
700,000 1,000,000 1,500,000 2,500,000
Reported
525,000 669,000 714,000 686,000 728,000 732,000

2021 Volumetric Annual Report of Wastewater and Recycled Water
California Water Boards
Looking Forward
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