



Federal Funding for Recycled Water

The Latest from Washington, DC

Patricia Sinicropi
Executive Director
WaterReuse Association

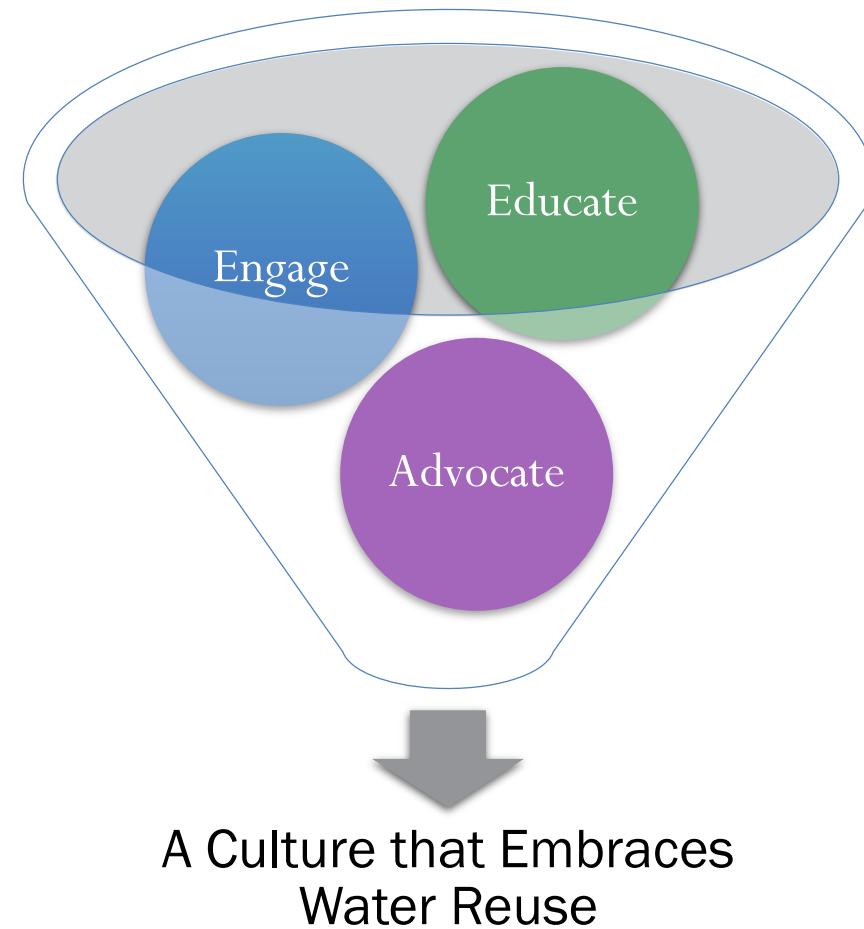
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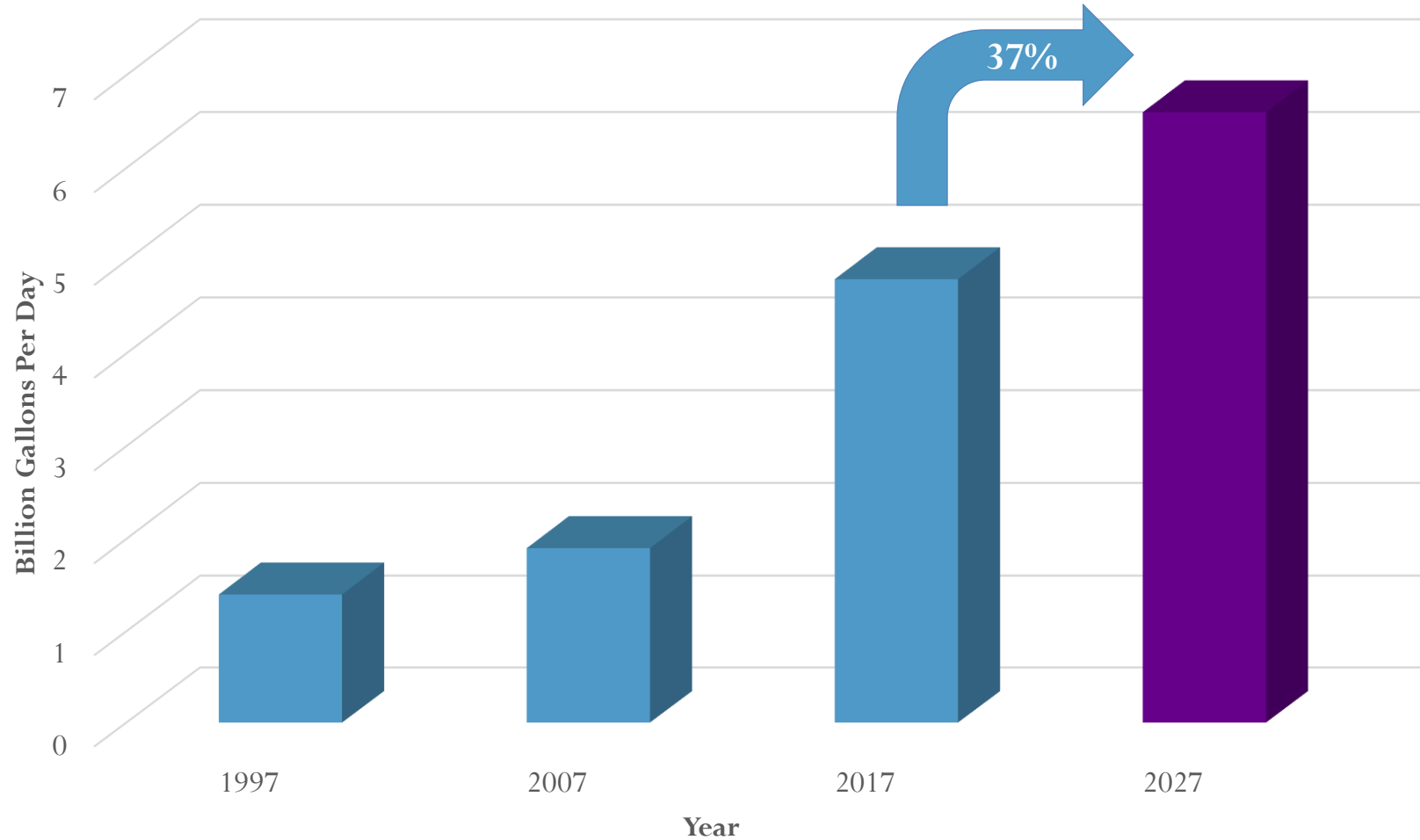
WaterReuse Association

National movement for safe and sustainable water supplies

- Promote acceptance and support of recycled water
- Advocate for policies and funding that increase water reuse



The Growth of Water Reuse in the United States



Source: USGS, EPA, Bluefield Research

Recycled Water Coast-to-Coast

6.5 Billion

Gallons of Recycled Water Used for Idaho Agriculture

92% of the recycled water Idaho produces is used to irrigate crops, a beneficial use that keeps **2000 tons of nitrogen** and **500 tons of phosphorus** out of Idaho rivers and streams.



GM Saves \$2 Million with Stormwater Reuse

General Motors captures and reuses stormwater for cooling towers at its Detroit-Hamtramck assembly plant, saving **\$2 million a year**.



It's Patriotic to Generate \$4 Million in Massachusetts

But for on-site, decentralized water recycling, Foxboro could not meet water demands for Gillette Stadium, home to the New England Patriots. This NFL team generates **\$4 million annually** for the local economy.



850,000 Taps Served Daily in California

Orange County annually recycles enough to supply drinking water for **one-third** of its homes and businesses.



Driving 20,000 Jobs in Nevada's Desert

A planned 13-mile pipeline will provide **1.3 billion gallons** of recycled water annually to Tahoe Reno Industrial Center, home of Tesla, Switch, and Google...and **20,000 new jobs**.



Supporting 70% of Global Internet Traffic through Virginia

Recycled water cools Loudoun County's "Data Center Alley" which processes more than **two-thirds** of the world's Internet traffic.



\$35 Million for Ski Slopes in Arizona

The Snowbowl, a ski resort in Arizona's San Francisco Peaks, uses recycled water for its slopes—sustaining a **\$35 million** tourism industry.



2,000 Acres of Wetlands and Reuse in Texas

Recycled water replenishes the Upper Trinity River and man-made wetlands—restoring a natural habitat for migratory birds and **supplying drinking water for the Dallas/Ft. Worth area**.



\$600 Million Hole-In-One in South Carolina

Hilton Head recycles water to irrigate eleven destination golf courses—sustaining **\$600 million annually** in recreational tourism.



100,000 Homes Powered in Florida

Tampa Electric uses recycled water to cool a power plant and generate electricity for **100,000 homes**.



Water Reuse in the West and Southwest



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Water Reuse in the Pacific Northwest and Midwest

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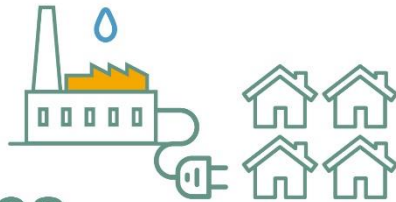


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Key Federal Programs for Financing Reuse



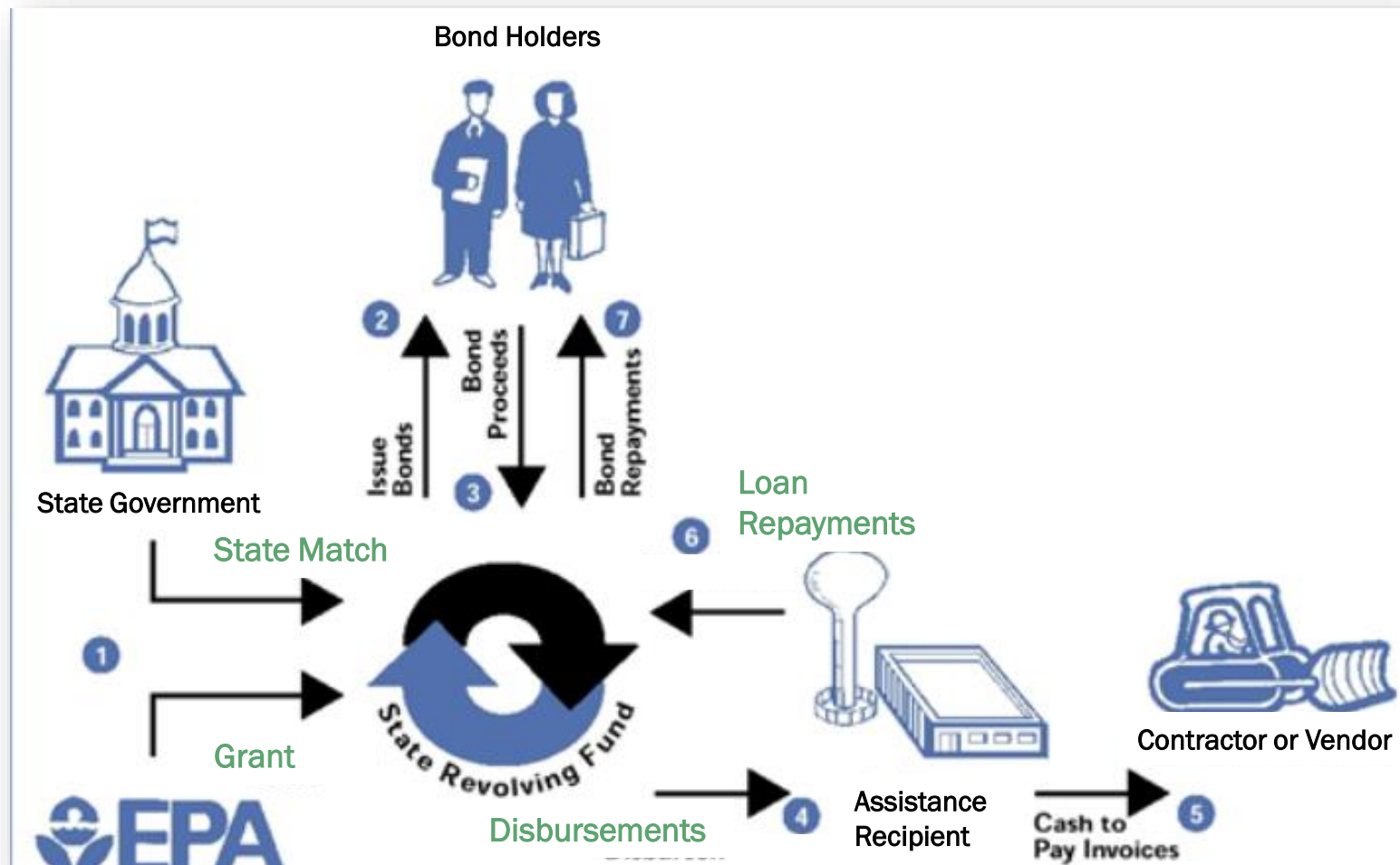
- **Environmental Protection Agency (EPA)**
 - Clean Water State Revolving Fund (CWSRF)
 - Drinking Water State Revolving Fund (DWSRF)
 - Water Infrastructure Finance and Innovation Act (WIFIA)



- **Bureau of Reclamation**
 - Title XVI Water Reclamation and Reuse program (Title XVI)

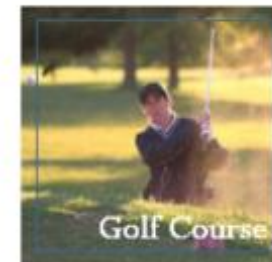


State Revolving Funds (SRF)



Clean Water State Revolving Fund (CWSRF)

- CWSRF has provided \$111.2 billion since 1987
- Average 1.7% interest rate over
- States have been using CWSRF for reuse projects to varying degrees
- \$607M in financing for recycled water projects from 2013-2017
- **FY18 funding: \$1.69B (+\$450M from FY17)**



Drinking Water State Revolving Fund (DWSRF)

- DWSRF has provided over \$35.4B in financing since 1996
- Recycled water projects are eligible, however less utilized (anecdotal, no hard figures)
- **FY18 funding: \$1.16B (+\$300M from FY17)**



Water Infrastructure Finance and Innovation Act (WIFIA)

- Provides low-cost financing for mostly big (\$20M+ projects)
- Finance up to 49% of project costs
- Huge leveraging potential:
 - FY18: \$63M could provide up to \$5.5B in loans to leverage over \$11B in projects
- First round of financing in 2017 – of 12 projects selected, 3 reuse projects
- FY18 deadline of Letters of Interest is **July 31, 2018**
- **FY18 funding: \$63M (+\$33M from FY17)**



Title XVI Water Reclamation and Reuse

- Only water recycling specific federal funding program
- Administered by the Bureau of Reclamation
- Grant funding of up to \$20M for recycling projects, 25% federal cost share
- ~\$692 million in federal funding provided to projects since 1992 has leveraged at least \$2.07 billion in non-federal funding
- New competitive grant process authorized in WIIN Act (WRDA 2016) for non-authorized projects
- Encourage more non-CA projects to apply to diversify recipients
- **FY18 funding: \$54.4M (+\$20M from FY17)**



Funding for Federal Reuse Financing Programs

	FY2017 Level	FY18 Omnibus	Difference (FY17 to 18)	FY19 House
CWSRF	\$1,393,887,000	\$1,693,887,000	+\$300,000,000	\$1,543,877,000
DWSRF	\$863,233,000	\$1,163,233,000	+\$300,000,000	\$1,013,233,000
WIFIA	\$30,000,000	\$63,000,000	+\$33,000,000	\$70,000,000
Title XVI	\$34,406,000	\$54,406,000	+\$20,000,000	\$65,000,000



Other Financing Programs

- **Other Bureau of Reclamation WaterSMART programs:**
 - Water and Energy Efficiency Grants
 - Water Marketing Strategy Grants
- **USDA conservation programs**
 - Partnerships with agricultural sector for water reuse
 - Regional Conservation Partnership Program (RCPP)
 - Environmental Quality Incentives Program (EQIP)



Importance of Advocacy

- Exciting to see funding increases, but wins don't come easy
- Key is continued communication to Members, conveying importance
- Tell your Reuse Stories, Meet with your Members of Congress
- Attend Water Week 2019!



JOIN WATERREUSE FOR A BIG TIME IN THE LONE STAR STATE!

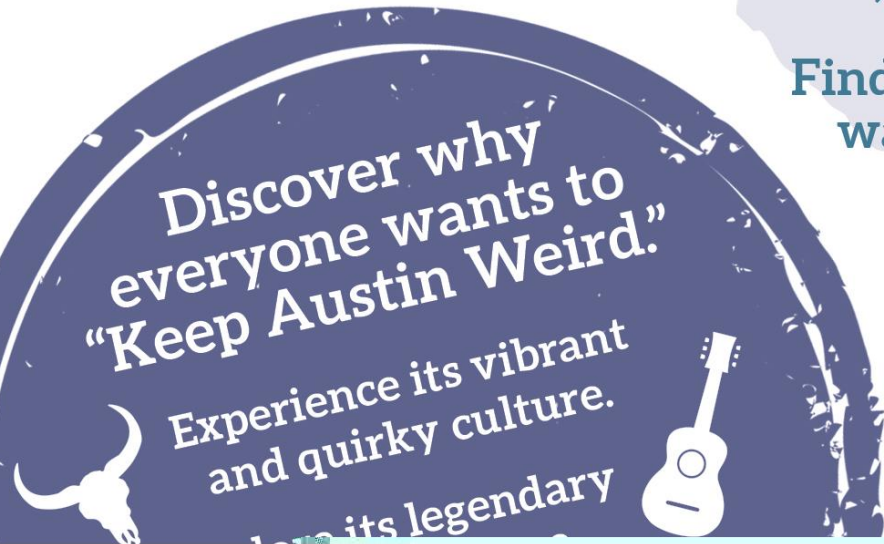


Grab your cowboy boots and kick up your heels at the 33rd Annual WaterReuse Symposium at the JW Marriott in Austin, Texas on September 9 – 12, 2018.



Find out what's working, what's new and what's next in water reuse from industry leaders across the nation:

- Research
- Innovation
- Operations
- Policy
- Public Acceptance
- Decentralized Systems
- Potable
- Agricultural
- Industrial
- Commercial
- Irrigation
- Wet Weather Management





Questions?

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