The Library and the Map

Living Resources for Water Reuse Communicators

April Coady Eastern Municipal Water District

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American Water Works Association

California-Nevada Section

## Presented by:



**April Coady** 

Assistant General Manager of Strategic Communications, Public Affairs and Water Use Efficiency



- Nearly 30 years in the public sector
- Almost 20 years in water/wastewater industry
- EMWD is a nationally recognized water, wastewater, and recycled water service provider for nearly one million people living and working within a 601-square mile service area in western Riverside County and northern San Diego County





#### Contributors



Ben Glickstein

Director of Communications





Danielle Francis

Manager, Policy & Strategy



WATER SERVICES ASSOCIATION
OF AUSTRALIA





# The Power of Examples











#### **National Water Reuse Action Plan (WRAP)**

- ♦ U.S. EPA + federal agency and water sector
- Over 60 discrete actions

#### **WRAP 8.1: Compile Outreach Materials**

- **▲ Library**: Develop a library of existing water reuse comms materials.
- **♦ Gaps Assessment:** Develop a set of recommendations that can be championed to develop new communication materials.









#### **Focus Groups:**

Determine what resources to include and what gaps may exist.

- ▲ January 10, 2023: Virtual

#### **Library Published:**

♦ February 2023

#### **Share Gaps / Recommendations:**

Ongoing...share with us today!









# Output: Gaps Assessment

#### **Feedback from Focus Groups:**

- Risk assessment analysis (e.g. CECs, pharmaceuticals, etc) fact sheet for potable reuse
- Classroom education resources



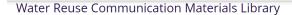




# Output: Library

#### **Resources:**

- ▶ PDFs, Videos, Web Links, Research reports/whitepapers, and more
- Encompasses both ready-to-use generic materials, and example materials to inspire
- watereuse.org/library



🖶 Print 🝱 Excel 🔊 CSV 🗜 Cop

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Resource 🔺	Type 🔺	Organization 🔻	Year Published 🔺	Audience 🔺	Link 🔺
Recycled Water Service	Webpage	Eastern Municipal Water District	0	General Public - Service Area	https://www.emw water-service
Survey data on perceptions of water scarcity and potable reuse from water utility customers in Albuquerque, New Mexico	Technical Paper	Data in Brief	2020	water utility staff, water managers and planners, consultants, academics	https://www.scie
The Technology Behind the One Water	Fact Sheet - Program	City of Plant City		Public education	https://watereus content/uploads/ 0a90f7ed44c06b
Rendering: El Paso Advanced Water Purification Facility	Image	El Paso Water		General Public - Service Area	https://watereus content/uploads/ 0a90f7ed44c06b Purified-Facility- exterior-2.jpg
Groundwater Reliability Plus	Webpage	Eastern Municipal Water District	0	General Public - Service Area	https://www.emw. plus
Recycled Water Educational Video	Video	Eastern Municipal Water District	2019	General Public - Service Area	https://www.yout v=TICVBXyof_M
Recycled Water Fact Sheet	Fact Sheet - Program	Eastern Municipal Water District	2022	General Public - Service Area	https://watereus content/uploads/ 0a90f7ed44c06b Water-2022.pdf
Recycled Water Rates Notice	Publication	Eastern Municipal Water District	2021	General Public - Service Area	https://watereus content/uploads/. 0a90f7ed44c06b 218_2021_Recycl

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## Submit a Resource





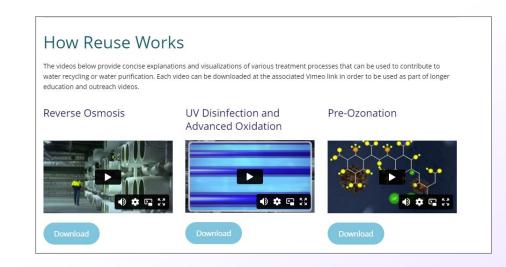






## Additional Resources

- ♦ Also visit: <a href="https://water360.com.au/">https://water360.com.au/</a>
  - A similar library of news and materials focused on potable reuse
- Other thoughts on communications tools that are missing?
  - Send to bglickstein@watereuse.org



View and download videos







# Reviving the Global Potable Reuse Map: Around the World In 80 AWTP





#### Collaborative Effort

- Water Services Association of Australia
- Facilitates collaboration, knowledge sharing, networking and cooperation within the urban water industry
- Members provide water and sewerage services to over 24 million customers in Australia and New Zealand
  - Including many of Australia's largest industrial and commercial enterprises





"Do they do this anywhere else?"

Other places doing

Other places considering





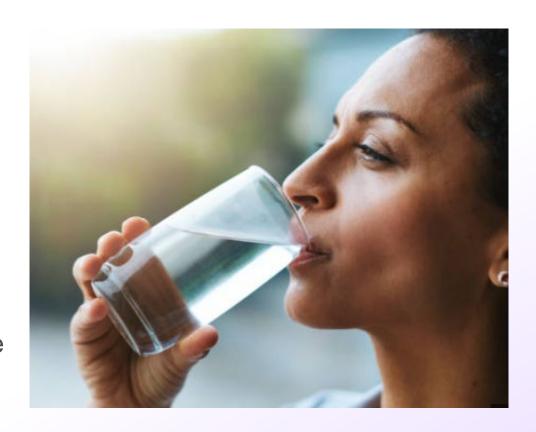






# Project set-up

- ♦ What's in/out of the map
- ♦ Potable reuse only
  - Excludes non-potable, potable substitution (valuable, but not our hurdle)
- Acknowledged reuse
- ♦ Definitions (WHO)
- Purified recycled water is a journey
  - Many stages before first drop flows valuable years of engagement, education

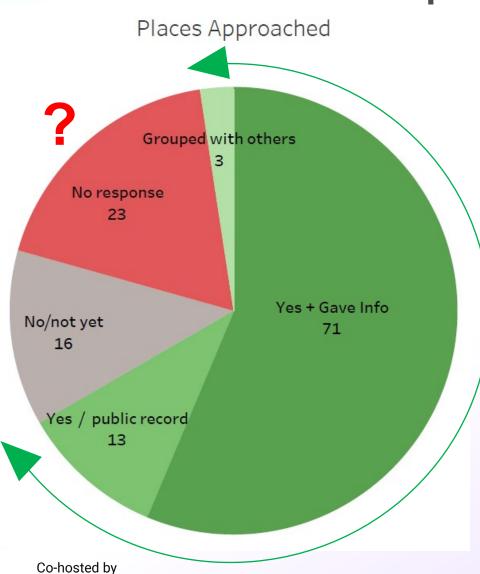






## Contact and data collection phase

- Biggest task: Finding the contacts
- We approached126 cities/places



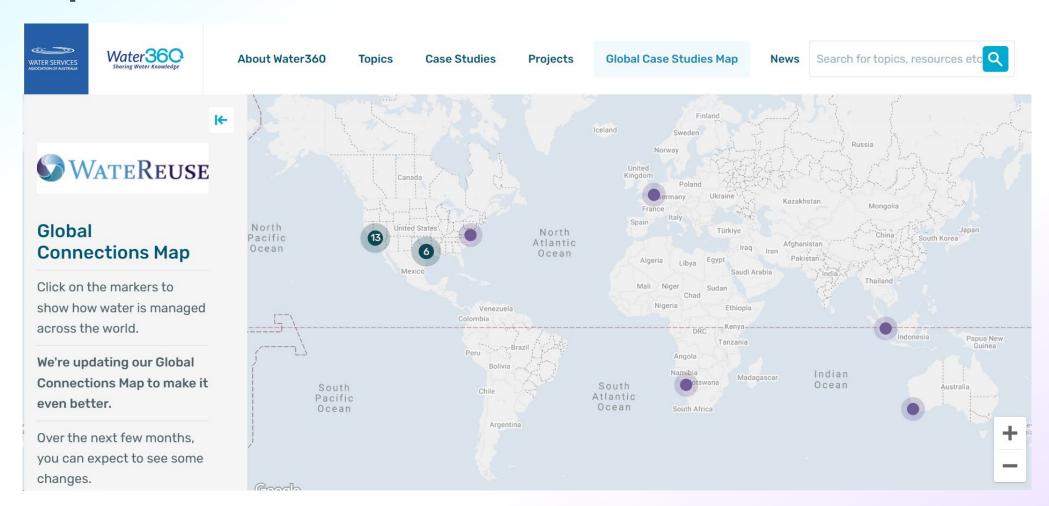
- **♦** Currently...
- ♦ 85 places on map
- ♦ 90 100 dots on interactive map (multiple projects)







# Map Preview







### Placeholder slide for video





## What does the map tell us?

- Purified recycled water is well established
  - ▲ It is not new!
- Not just places with arid climates
  - Coastal and inland too!





# How many people are already drinking

PRW?

Might be a small % of their water, or large

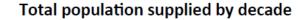
- ♦ 30+ million already
- Over 50 million if planned projects go ahead













# Possible key messages

- All water is recycled
  - Nearly all towns are drinking some from upstream towns, even if it isn't always acknowledged
- About 35 cities/places around the world have already gained community acceptance for adding purified recycled water to their drinking water supply
  - ♦ There are about 50 more cities/places on the journey
- It's been growing globally since the 1960s
  - ▶ Big cities with many facilities built over decades; small villages; lakes that supply whole counties; large wholesalers that sell the drinking water to dozens more cities
- Purified water is now being safely consumed by 30 million people, in hundreds of municipalities





## What's next

- ▲ Launch Summer 2024 publish interactive map & charts
- ▲ Link to it on your websites
  - Useful even if you aren't on it show that others are doing it
- Consider a visitor center display
- ♦ Use the charts with your decision-makers show the global prevalence
- Annual update survey
  - ♦ Other info: % of supply, treatment train (RO vs carbon), regulation, intermittency
- ♦ Other layers: Desal, localized non-potable, unacknowledged reuse



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