



# WATER REUSE

*PACIFIC NORTHWEST*



Section Meeting – Idaho Reuse Conference  
2015

# WaterReuse Association Sections



- Pacific Northwest - Why was it formed?
  - To promote water reuse in PNW
  - To build a regional network for sharing information & ideas @ planning, design, construction, operation, & regulatory efforts
  - To increase public awareness and support in the PNW
  - To advocate legislation and regulations that facilitate water reuse
- Arizona, California, Colorado, Florida, Nevada, and Texas

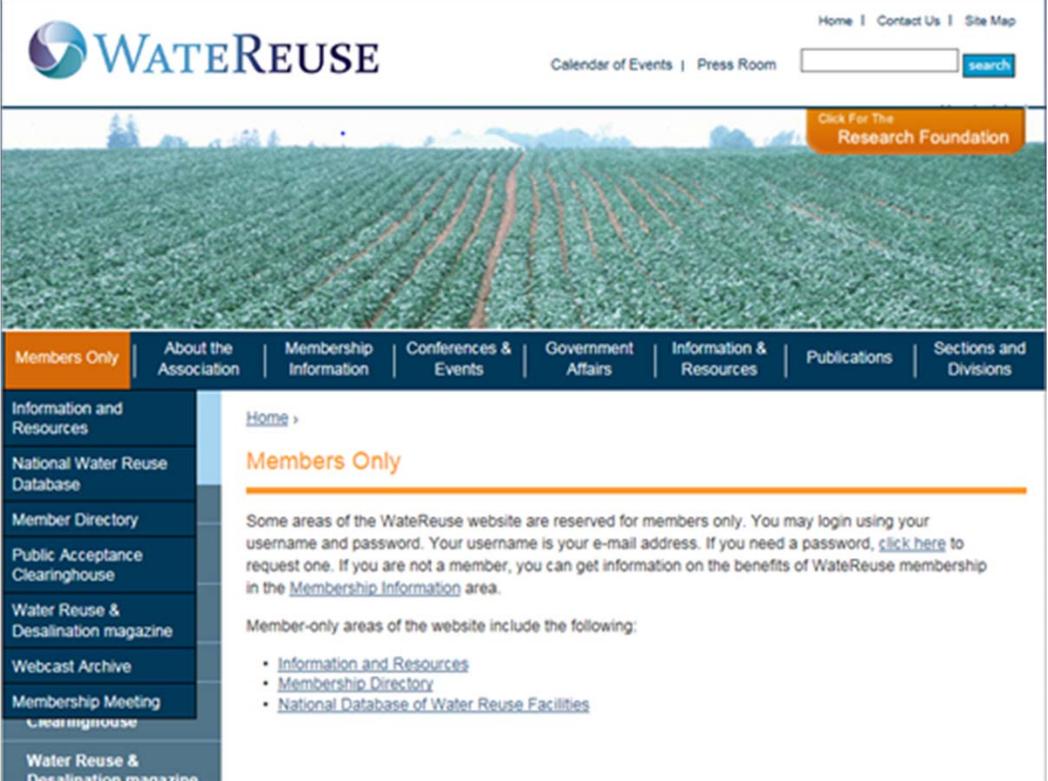
# Board of Directors

- Karla Fowler – LOTT Clean Water Alliance
- Kristina Westbrook – King County
- Jared Kinnear – Clean Water Services
- Steve Kebbe – Clean Water Services
- Chris Stoll – Kennedy Jenks
- Tressa Nicholas – ID DEQ
- John Poppe – Silverdale Water District
- Ho-Ping Wei – Black & Veatch



# Member Benefits

- WateReuse website access
- Webcasts
- National database of RW facilities
- Research reports (reduced cost)
- Information sharing
- WateReuse Symposium in Seattle, September 13-16, 2015 & Specialty Conferences (reduced fees)



The screenshot displays the WateReuse website interface. At the top, the logo "WATERREUSE" is visible alongside navigation links for "Home", "Contact Us", and "Site Map". A search bar is present with a "search" button. Below the header, a banner image shows a field of green crops. A call-to-action button reads "Click For The Research Foundation". The main navigation menu includes "Members Only", "About the Association", "Membership Information", "Conferences & Events", "Government Affairs", "Information & Resources", "Publications", and "Sections and Divisions". The "Members Only" section is highlighted, showing a "Home" link and a "Members Only" heading. The content explains that some areas are reserved for members and provides a list of member-only areas: "Information and Resources", "Membership Directory", and "National Database of Water Reuse Facilities".



*You're invited to join...*



Visit [www.watereuse.org](http://www.watereuse.org) for more information



# Reuse Feud

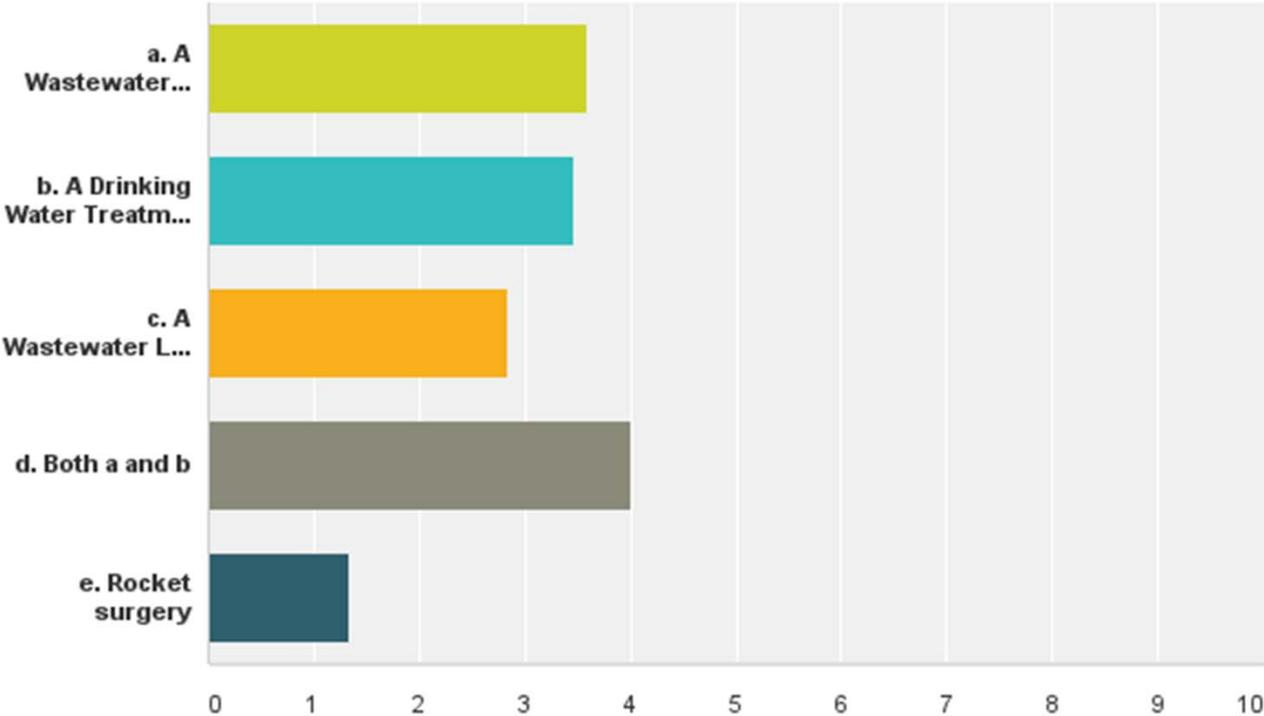
1. Is operating a recycled water system more like?
  - A. A Wastewater Collection and Treatment System
  - B. A Drinking Water Treatment and Distribution System
  - C. A Wastewater Land Treatment System
  - D. Both A and B
  - E. Rocket surgery

# Survey Says...



## Q1 Is operating a recycled water system more like:

Answered: 64 Skipped: 5



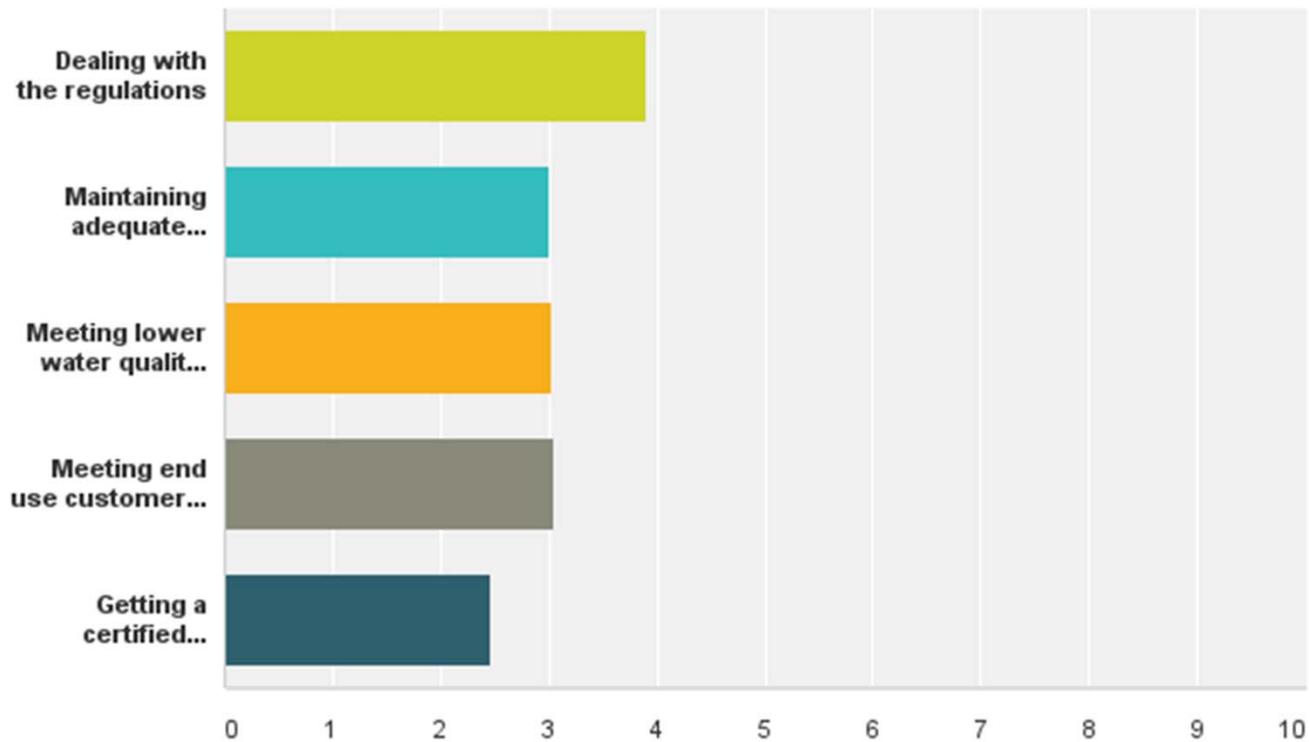
## 2. What is the most difficult thing about running a recycled water facility?

- A. Dealing with the regulations
- B. Maintaining adequate disinfection
- C. Meeting lower water quality limits
- D. Meeting end use customer needs
- E. Getting a certified operator

# Survey Says...

## Q2 What is the most difficult thing about running a recycled water facility?

Answered: 65 Skipped: 4



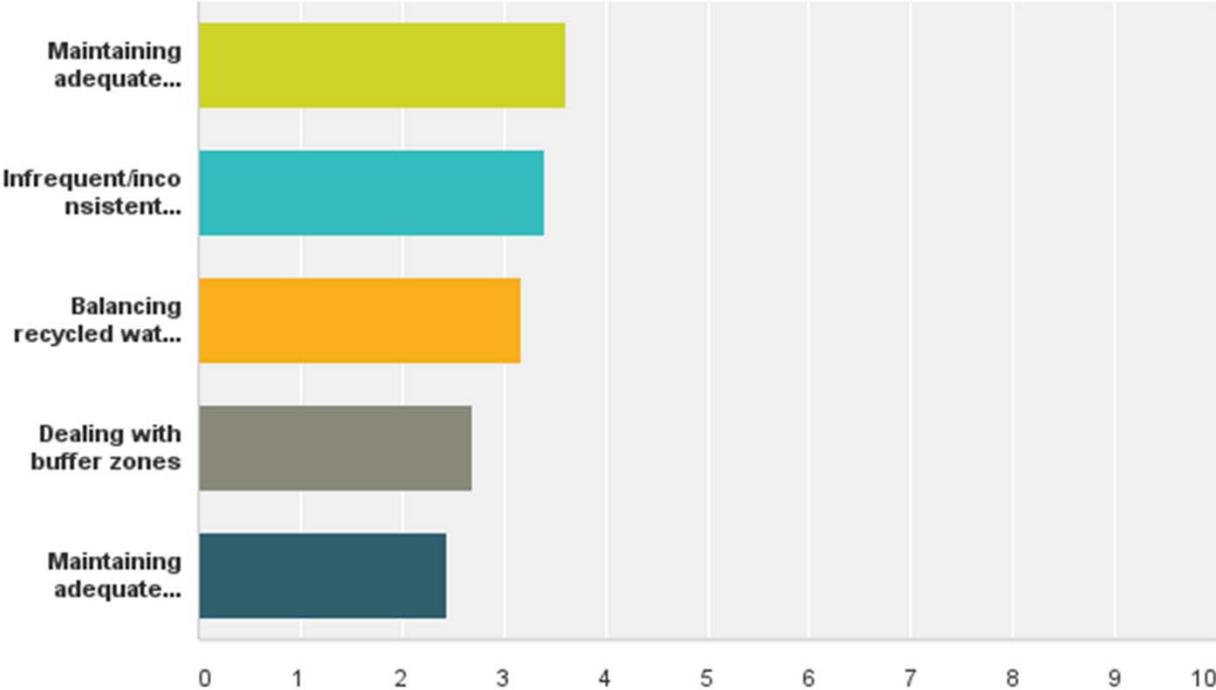
### 3. When distributing recycled water, what is your biggest challenge?

- A. Maintaining adequate disinfection residual
- B. Infrequent/inconsistent customer use
- C. Maintaining adequate pressure
- D. Balancing recycled water customer volume needs
- E. Dealing with buffer zones

# Survey says...

## Q3 When distributing recycled water, what is your biggest challenge?

Answered: 61 Skipped: 8



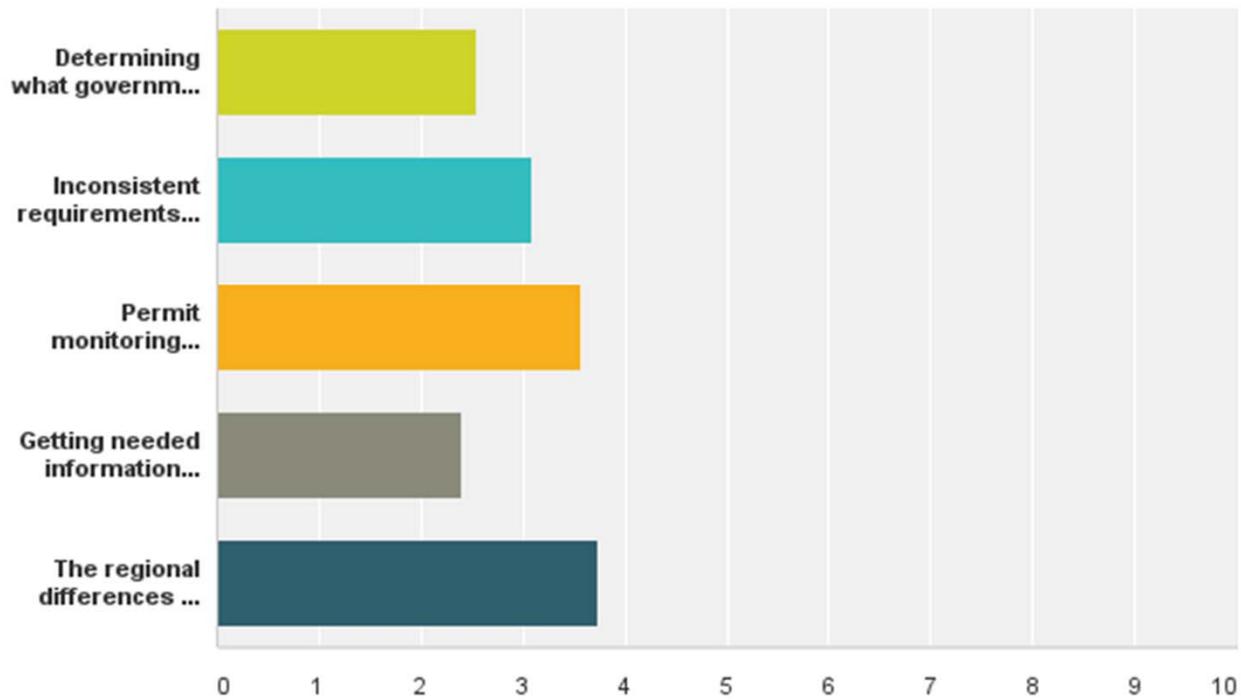
## 4. What are your biggest recycled water permitting challenges?

- A. Determining what government agencies need to be involved
- B. What is needed and when for a complete application Inconsistent requirements compared to other non-potable water supplies
- C. Permit monitoring requirements
- D. Getting needed information from end use customers and distributors for permit applications/annual reports
- E. The regional differences in interpretation of recycled water rules/guidelines

# Survey says...

## Q4 What are your biggest recycled water permitting challenges?

Answered: 59 Skipped: 10



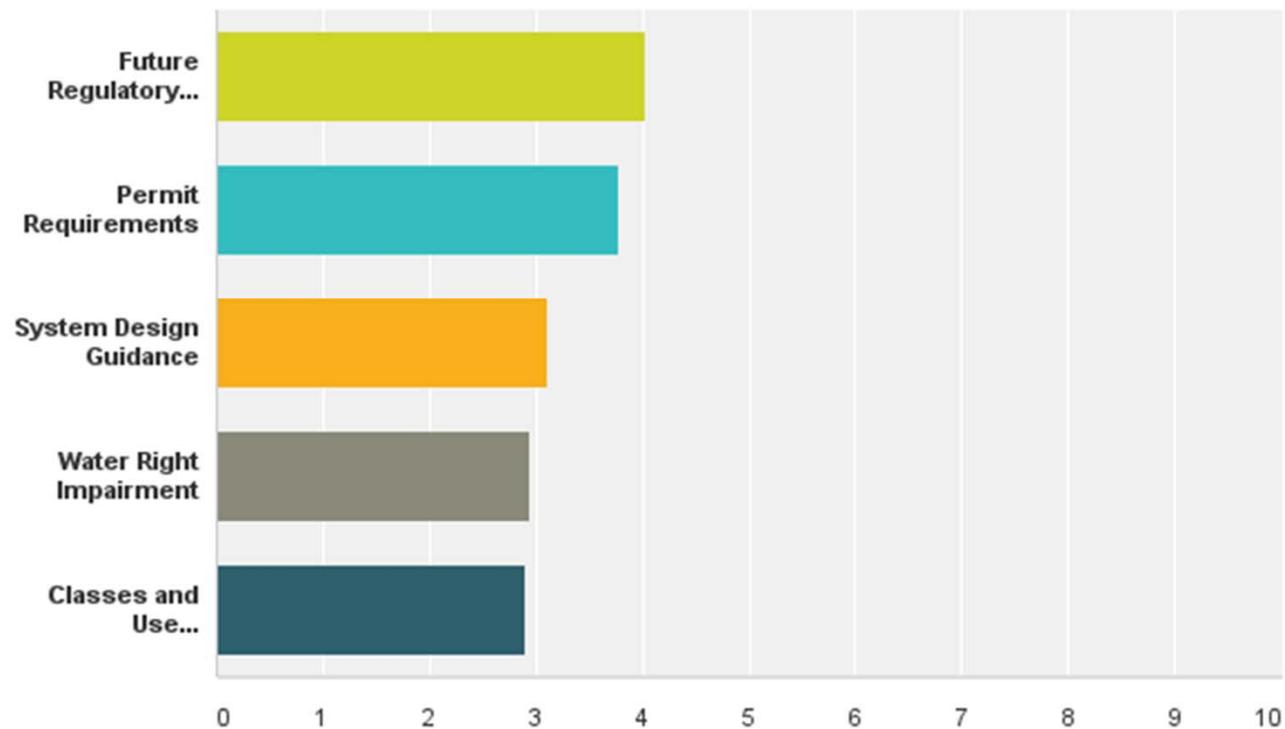
## 5. From a regulatory perspective, what would you like more clarity about?

- A. Permit Requirements
- B. Classes and Use Designations
- C. System Design Guidance
- D. Future Regulatory Issues/Changes/Impacts
- E. Water Right Impairment

# Survey says...

## Q5 From a regulatory perspective, what would you like more clarity about?

Answered: 65 Skipped: 4



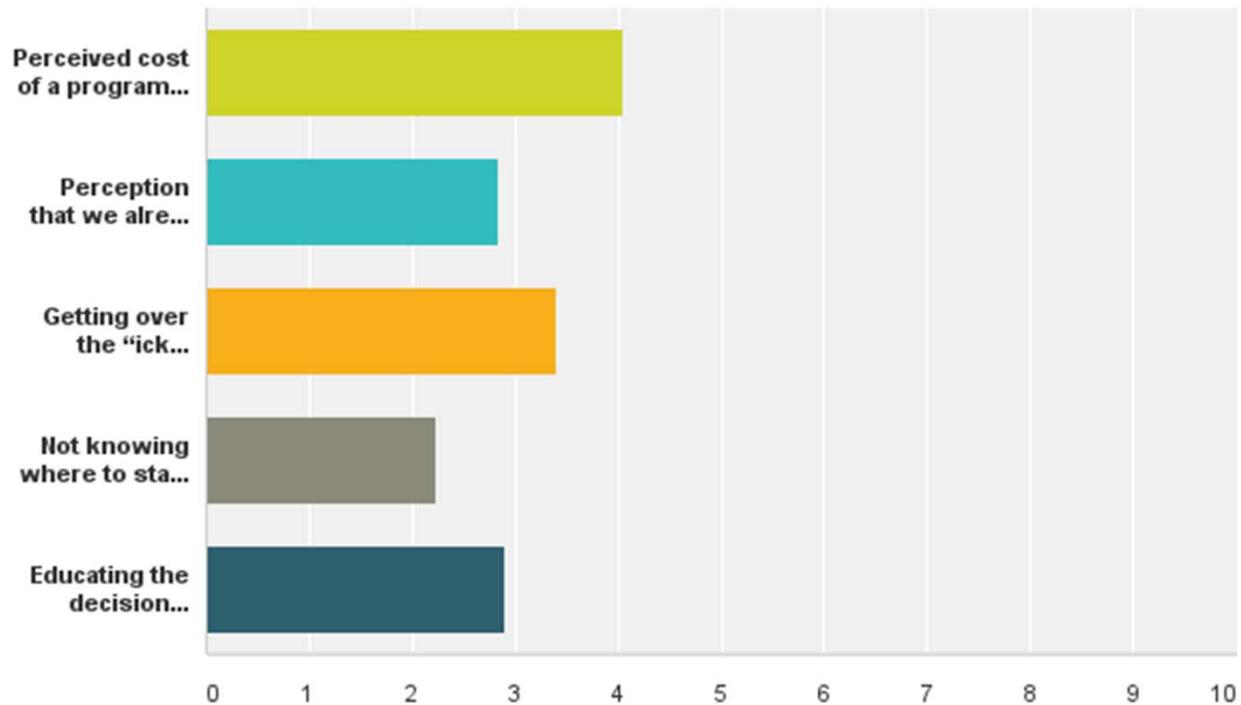
## 6. What are the biggest hurdles for implementing a recycled water project for your City?

- A. Perceived cost of a program relative to the value/benefits of a program.
- B. Perception that we already have enough drinking/ non-potable water for all potential uses.
- C. Getting over the “ick factor” with the public or elected officials.
- D. Not knowing where to start to assess the value/ benefits of a recycled water program.
- E. Educating the decision makers.

# Survey says...

## Q6 What are the biggest hurdles for implementing a recycled water project for your City?

Answered: 52 Skipped: 17



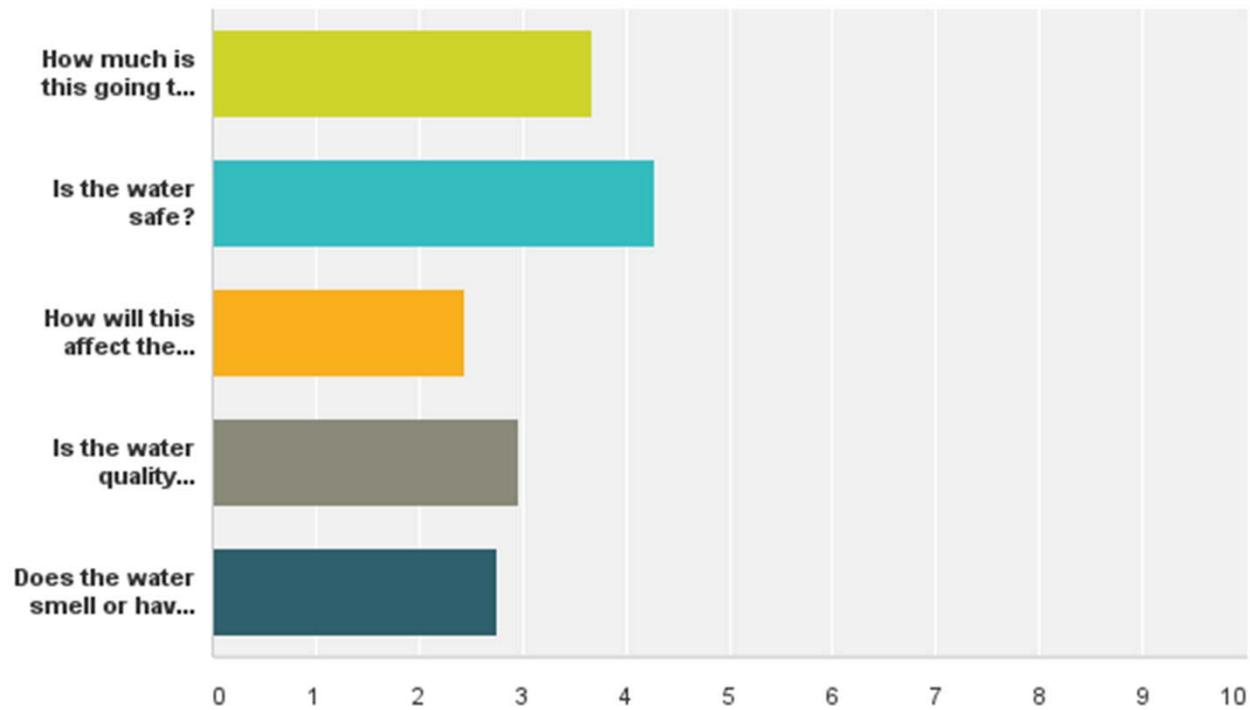
## 7. What do potential recycled water customers want to know most when you first meet with them?

- A. How much is this going to cost me?
- B. Is the water safe?
- C. How will this affect the plants?
- D. Is the water quality better/worse than I have now?
- E. Does the water smell or have color?

# Survey says...

## Q7 What do potential recycled water customers want to know most when you first meet with them?

Answered: 56 Skipped: 13



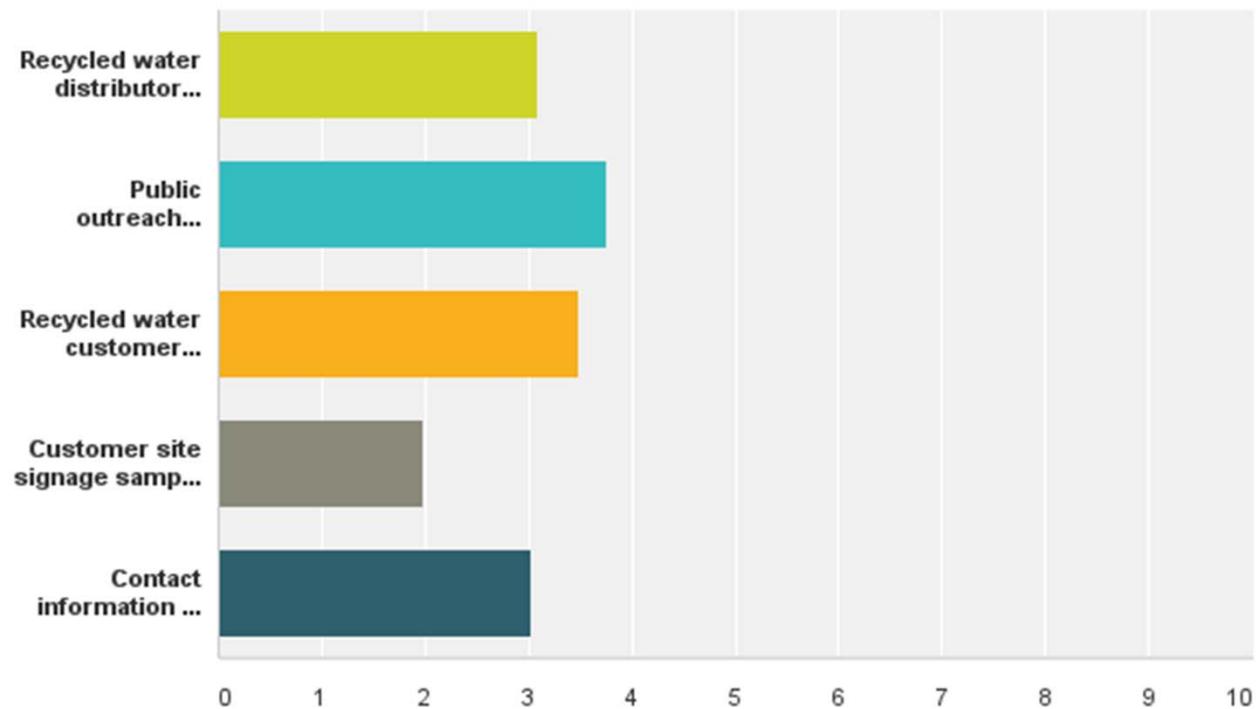
8. When trying to develop a new recycled water customer, what resources would be most helpful to you?

- A. Recycled water distributor contracts/end user contracts
- B. Public outreach materials
- C. Recycled water customer training
- D. Customer site signage samples and development instructions
- E. Contact information for existing recycled water customers in the region

# Survey says...

**Q8 When trying to develop a new recycled water customer, what resources would be most helpful to you?**

Answered: 51 Skipped: 18



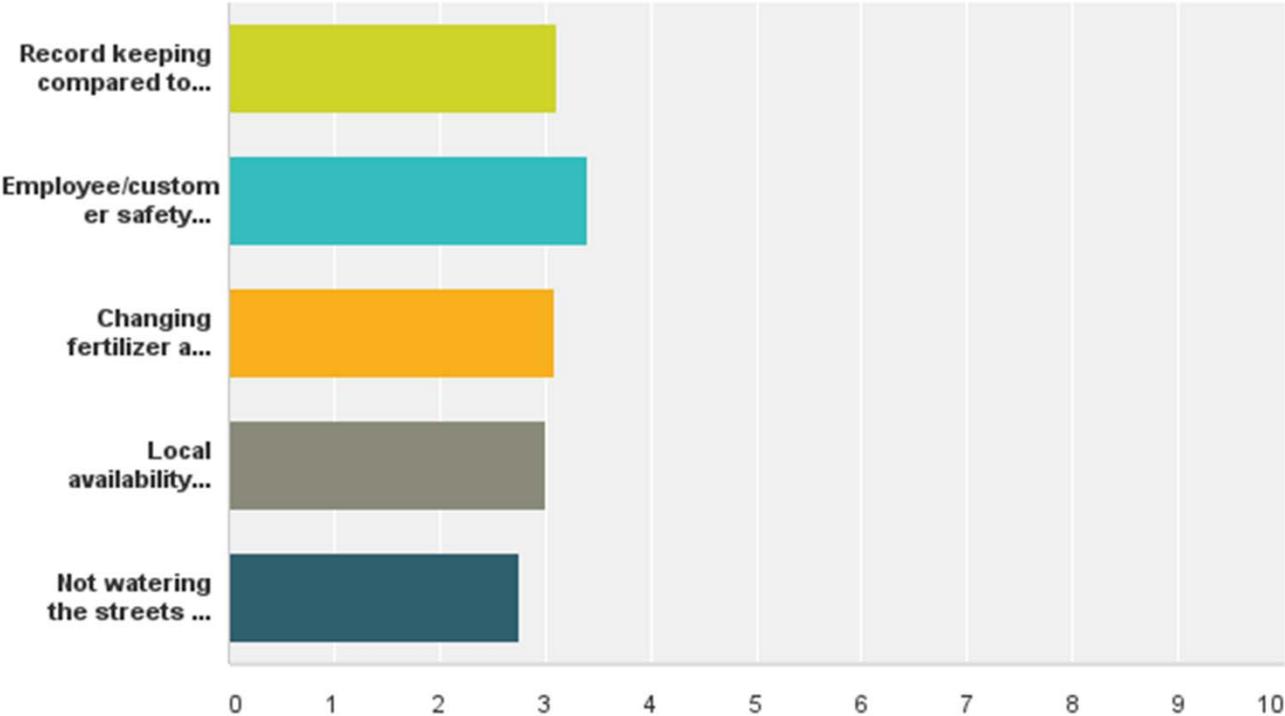
## 9. What are the biggest challenges for end use customers?

- A. Level of record keeping compared to other non-potable supplies
- B. Employer/customer safety concerns
- C. Changing fertilizer and supplement practices in response to different water quality than water source
- D. Local availability of recycled water (purple) pipe, valve boxes, and sprinkler heads.
- E. Not watering the streets or other run-off.

# Survey says...

## Q9 What are the biggest challenges for end use customers?

Answered: 53 Skipped: 16



# Questions / Discussion?



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