

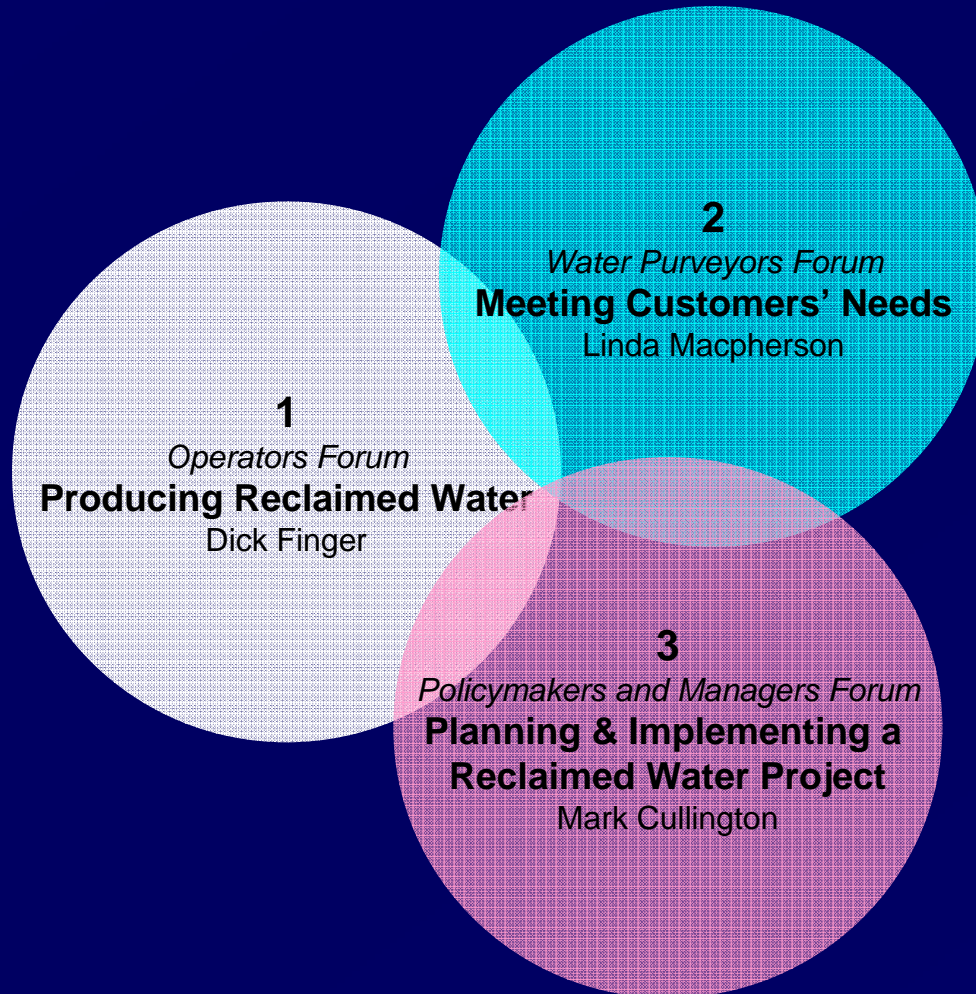
Reporting Back & Next Steps

What you missed by not being in
three places at the same time...

Reclaimed Water: Tapping the New Resource

King County – Pacific Northwest Clean Water Association – Puget Sound Action Team – Washington State Department of Ecology – Washington State Department of Health – WaterReuse Association

Barriers & Solutions



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Producing Reclaimed Water

- Technology options to achieve Class A reclaimed water
- Technology dictated by regulatory requirements and end use plans
- Performance of various technologies
- O & M considerations associated with various technologies
- Involve maintenance, operations & process control starting with construction
- Operators learn watching construction

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Producing Reclaimed Water

- Document everything concerning construction
- Startup and operation: things will change
- Lessons from first year of operations
 - Need analytical redundancy
 - Dealing with non-compliant effluent

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Meeting Customers' Needs

- What's "safe" mean? Defining acceptable risk
- Voluntary risk easier to accept than imposed risk
- Terminology
- Relative risk –don't over simplify/dumb down
- Effect of opposition in Redwood City, CA
 - low turnout does not = public approval
- Brief overview of Snoqualmie system
- Irrigation Utility - Operations & maintenance, customer service requests
- Required End User Agreements - key communication tool with established customer base

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Meeting Customers' Needs

- Developer funding is easier in a high growth area
- Note: replacing high cost gizmos with a small customer base is tricky
- Demonstrate benefits for agricultural users – address food product sensitivity
- Identify key parties that support and oppose project and provide visits to other projects, info, etc.
- Get clear agreement with users on responsibilities
- Expect the unexpected
- Start small if you can, prove the value, then expand
- Value “early adopters”

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Planning & Implementing

- Regulations are a primary driver – they help
- Producer is responsible “cradle to grave”
- Reclaimed water is not a cash cow
- Customers need help with end user agreements
- Public involvement up front in large quantity
- Current rule making is very critical and timely
- It’s a scramble to deal with impairment issues and rights
- Analyze cost sharing and act equitably

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Planning & Implementing

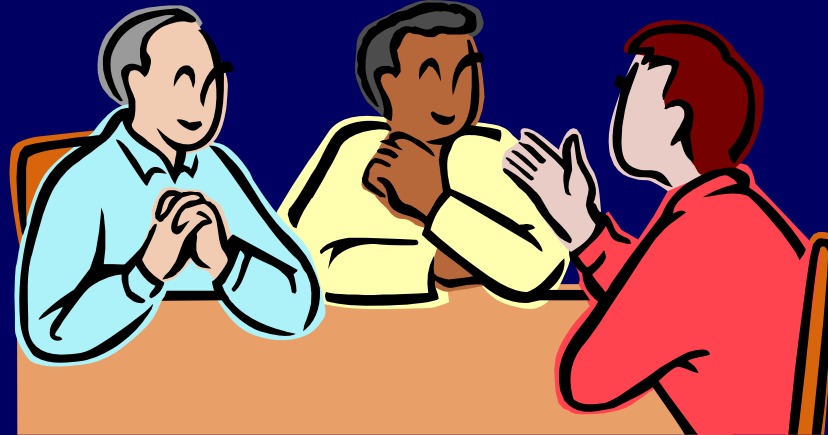
- Include incentives to use reclaimed water
- Know your TMDL(s), issues and interests
- Consider partnering with folks working non-point issues
- Internal support is as important as external support
- Be realistic about goals and budget

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General Questions & Making Sense of It All

- Ask one presenter, the others will join in
- Before you leave, we'll ask you a few questions (!)



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Closing

Allen deSteiguer, Carollo Engineers, Chair

PNCWA Water Reuse Committee

- Kathy Cupps, Washington DOE
- Craig Riley, Washington DOH
- Greg Bush, King County
- Jo Sullivan, King County
- Keith Folkerts, Kitsap County
- John Bowman, Lakehaven Utility District
- Karla Fowler, LOTT Alliance
- Terri Prather, LOTT Alliance
- Bruce Rawls, Spokane Co. Utilities
- Dan Thompson, City of Tacoma
- Hal Thomas, Walla Walla Public Works

Nan Cluss, PNCWA

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Good Afternoon!

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