Advancing Potable Reuse to Secure Colorado’s Future

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Quick Definitions of DPR

Non-potable reuse (Reg. 84)

Indirect potable reuse (IPR)

Direct potable reuse (DPR)
Drivers for Potable Reuse in Colorado

- Year-round supply
- Year-round demand
- No dual distribution
- Other states have "gone first"
- Increasingly cost-competitive vs. traditional supplies
Why Develop Regs Before there’s a DPR System?
Colorado is acting in advance to provide lead time & benefits

Well-prepared for future DPR projects – in advance of the need

DPR regulatory development is well underway – utilities will know the rules and costs to move forward with DPR

Model of success – partnerships and collaboration between utilities, regulators, equipment manufacturers, and consultants

Regulatory development, outreach, and public confidence are all interlinked
Colorado’s Regulatory Focus for Potable Reuse

INITIAL FOCUS
- DPR: Structure for Regs, Policy, Guidance

POTENTIAL FUTURE WORK?
- IPR: Adapt applicable provisions from DPR regs

Reg. 11 Colorado Primary Drinking Water Regulations
- Surface Water Treatment Rule
- Groundwater Rule
- NEW Potable Reuse Rule
- Total Coliform Rule
- Nitrate and Nitrite Rule
- ...

- CDPHE
Flexibility with the Three-Tiered Approach

Flexibility

Adaptability
Critical Categories Identified for DPR Regulation

1. Definitions/Terminology
2. Source Control
3. Wastewater Treatment
4. Pathogen Disinfection/Removal
5. Chemical Pollutants
6. Advanced Treatment Processes
7. Monitoring Requirements
8. Reporting
9. Facility operations/ certification programs
10. Education and outreach
11. Technical, Managerial and Financial (TMF) capacity

Workgroup

PHASE 1: Framework completed 2018

PHASE 2: Late 2019 Completion

Pending funding
Phase 1 deliverables are on WateReuse Colorado’s web page
Education and Outreach Efforts

Outreach Events and Scholarships

Materials Available for Future Outreach
### Next Steps and What to Expect in 2020

- Funding for CDPHE rulemaking
- WateReuse National Symposium in Denver (September)
- NWRI Materials Available on WRCO Website
- NWRI DPR in Colorado workshop at National Conference
Thank You to Stakeholders & Funders!
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