



# 2022 PUBLIC WATER SYSTEM REPORT ON PUBLIC HEALTH GOALS

## Water Operations

**Water Committee**  
June 8, 2022

RiversideCA.gov

## BACKGROUND

1. California Health & Safety Code Sections 116470 (b)-(f) require public water systems serving over 10,000 service connections that exceed one or more Public Health Goals (PHG) to prepare and present a report every three years.



2

RiversideCA.gov

## DISCUSSION

- Public Health Goals
  - Non-enforceable contaminant levels
    - Theoretical
    - Zero risk
- Office of Environmental Health Hazard Assessment (OEHHA)
  - California EPA
- Unique to California



3

RiversideCA.gov

## PHG DEVELOPMENT

- Long-term animal laboratory studies
- Extrapolate to zero impact
  - Often controversial



4

RiversideCA.gov

## COMPLIANCE

- Report any detected contaminant that exceeds the PHG
- Estimate costs to treat to the PHG
- Hold public hearing



5

RiversideCA.gov

## PHG VS. MCL

- Public Health Goal
  - Theoretical level (perfect world)
  - Unenforceable
- Maximum Contaminant Level (MCL)
  - Enforceable
  - Balances cost vs. Risk



6

RiversideCA.gov

## RPU'S REPORT

- Reporting Period: 2019-2021
- Six constituents exceed PHGs
  - Arsenic
  - Copper
  - Gross Alpha
  - Perchlorate
  - Radium 228
  - Uranium
- None exceeded MCL



7

RiversideCA.gov

## TREATMENT COST ESTIMATES

Constituent	Cost per Customer per Year
Arsenic	\$860
Gross Alpha & Radium 228	\$760- \$3,023
Perchlorate	\$480
Uranium	\$860

- Treatment method was determined by using the best available treatment technology as determined by the DDW.
- Treatment costs provided by the Association of California Water Agencies.



8

RiversideCA.gov

## CONCLUSIONS

- Drinking water in compliance with MCL expose customers to a small level of risk
- Meeting PHG is expensive
- No large public water system is expected to meet all PHGs and MCLGs



9

RiversideCA.gov

## STRATEGIC PLAN ALIGNMENT



### Priority #4 - Environmental Stewardship

**Goal 4.2** – Sustainably manage local water resources to maximize reliability and advance water reuse to ensure safe, reliable and affordable water to our community.

### Cross-Cutting Threads



Community Trust



Fiscal Responsibility



Sustainability &amp; Resiliency



Equity



Innovation



10

RiversideCA.gov

## RECOMMENDATIONS

That the Water Committee receive and file a presentation on the public water system report on Public Health Goals (PHG) as required under California Health and Safety Code Section 116470(c).

