



2019 PUBLIC WATER SYSTEM REPORT ON PUBLIC HEALTH GOALS

Water Operations

Board of Public Utilities
June 24, 2019

RiversidePublicUtilities.com



1

BACKGROUND

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 (PHGs) to prepare and present a report every three years.

RiversidePublicUtilities.com



2

DISCUSSION

1. Public Health Goals
 1. Non-enforceable contaminant levels
 - A. Theoretical
 - B. Zero risk
 - C. Office of Environmental Health Hazard Assessment (OEHHHA)
 - A. California EPA
 - D. Unique to California

PHG DEVELOPMENT

1. Long term animal laboratory studies
2. Extrapolate to zero impact
 - A. Often controversial

COMPLIANCE

1. Report any detected contaminant that exceeds the PHG
2. Estimate costs to treat to the PHG
3. Hold public hearing

PHG vs. MCL

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

RPUs Report

1. Reporting Period: 2016-2019
2. Four constituents exceed PHGs
 - A. Arsenic
 - B. Coliform Bacteria
 - C. Copper
 - D. Uranium
- E. None exceeded MCL



7

RiversidePublicUtilities.com

TREATMENT COST ESTIMATES

Constituent	Cost per Customer per Year
Arsenic	\$860
Uranium	\$860

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



8

RiversidePublicUtilities.com

CONCLUSIONS

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

RECOMMENDATIONS

That the Board of Public Utilities:

1. Conduct a public hearing to review the public water system report on Public Health Goals as required under California Health and Safety Code Section 116470(c); and
2. Accept, and respond to any comments about the report.