



2022 PUBLIC WATER SYSTEM REPORT ON PUBLIC HEALTH GOALS

Water Operations

Board of Public Utilities
June 27, 2022

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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.



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DISCUSSION

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



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PHG DEVELOPMENT

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



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COMPLIANCE

- Report any detected contaminant that exceeds the PHG
- Estimate costs to treat to the PHG
- Hold Public Hearing



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PHG VS. MCL

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



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RPU'S REPORT

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



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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.



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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



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STRATEGIC PLAN ALIGNMENT



Strategic 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 &
Resiliency

Equity



Innovation



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RECOMMENDATIONS

That the Board of Public Utilities:

1. Conduct a public hearing to receive public input related to the 2022 Public Water System Report on Public Health Goals; and
2. Accept the 2022 Public Water System Report on Public Health Goals as required under California Health and Safety Code Section 116470 (c).

