# OUR GOALS

City of Fort Collins Utilities

2020 update on activities and results related to the Fort Collins Utilities Drinking Water Quality Policy.

**THE DRINKING WATER QUALITY POLICY**

was adopted in October 1993 to ensure the continuous delivery of high-quality drinking water to customers.

Find out more at

**FCGOV.COM/UTILITIES/WHAT-WE-DO**

East Troublesome Fire burned nearly 194,000 acres.

Participated in the Northern Colorado Fireshed Collaborative.

Cameron Peak Wildfire burned nearly 209,000 acres.

Funding allocated for collaborative wildfire restoration and mitigation projects.

Since 2008, the Utilities' Watershed Program has led the collaborative upper Cache la Poudre Water Quality Monitoring Program.

Developed Cameron Peak post-fire water quality response plan.

Installed two water quality meters to provide real-time data.

**WILDFIRE MITIGATION PROJECTS**

Lory State Park • 146 priority acres treated
North Rim Road • 85 acres treated

## SOURCE

**HORSETOOTH RESERVOIR** ⟷ **CACHE LA POUDRE RIVER**

**SOURCE WATER PROTECTION PLAN IN PLACE**

## TREATMENT

Worked collaboratively with the Coalition for the Poudre River Watershed (CPRW) and other local drinking water providers and water stakeholders to improve the health and resiliency of the Poudre River and surrounding watersheds.

Monitoring includes more than 25 chemical, physical and microbiological contaminants at 35 locations throughout our source watersheds. City's source watersheds continue to provide high-quality water.

Worked with Marine Diving Services to inspect Joe Wright Outlet conduit and gates, realign 42" gate stems, replace 6" gate and rebuild and replace 42" gate operators;

Completed a Source Water Spill Response Plan to reduce the risk of spills to the Horsetooth and Poudre River drinking water supplies.

**WATER TREATMENT FACILITY**

**PEAK DAY PRODUCTION WAS 49M GAL**

Capacity 87M

← 49 M (56%)

Including the solar field, 21% of the plant's electrical demand was met by on-site renewable generation.

**PRODUCED**

**8.7B GALLONS**

**OF DRINKING WATER.**

Available treated water storage would meet 16.4 hours of peak demand, exceeding the benchmark of storage capacity for 12 hours of peak demand.

Utilities received 0.14 water quality complaints per 1,000 customers. The best quartile rate observed by other utilities was 1.1 per 1,000, making the City **"BETTER THAN THE BEST."**

Installed electric power supply Automatic Throwover Switch (ATO) for plant reliability.

Provided 16% of the facility's electrical demand from the microhydro power generator.

**ADEQUATELY MAINTAINING OUR ASSETS ENSURES RELIABLE SERVICE.**

Completed 2,658 planned maintenance work orders and 67 corrective maintenance work orders.

## DISTRIBUTION

**OPERATE AND MAINTAIN**

**546** MILES OF WATER MAINS

**394** Cathodic Protection Test Station Readings

**EVALUATED** **2,513** Valves

**REPAIRED** **57** Valves

**48** Fire Hydrants

**78 WATER MAIN BREAKS WERE REPAIRED**

**60** Service Lines and **34** Service Leaks

**REPLACED** **3.1** Miles of Water Mains

**INSTALLED** **59** VALVES & **14** Fire Hydrants

Hydrant flushing was postponed due to the pandemic.

**1590** Fire Hydrants

**81.6** MILES OF WATER DISTRIBUTION PIPES CHECKED FOR LEAKS

**873** CUSTOMER COMPLAINTS during regular hours

**AND 270**

after hours.

**PERFORMED 137 BACKFLOW AND CROSS-CONNECTION SURVEYS**, to ensure that contaminants cannot flow back into the water supply.

## REGULATORY COMPLIANCE

**MONITORING** for the most current of unregulated contaminants in source and/or finished water began in 2019 and will continue into 2021.

**REVISE**

**LEAD AND COPPER** rule is being revised by the **EPA**.

Water Quality Lab staff provide state-certified **REGULATORY COMPLIANCE TESTING AND REPORTING** for Utilities and 10 other regional water agencies.

## ENVIRONMENTAL MANAGEMENT SYSTEM

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The Water Treatment Facility is ISO 14001:2015 certified.

Electrical power purchased from the grid was flat from 2019 to 2020. Between the solar field and the microhydro unit, 21% of the Facility's energy needs is generated on site through renewable sources.

Treatment residual solids make up 96% of the treatment waste stream. Cooperation began with the Low Impact Design program to provide some of this material for testing as treatment media for removal of phosphorous from stormwater runoff. If successful, this beneficial use has the potential to divert 100% of the total residuals generated from the landfill. This program has successfully completed the laboratory research portion and has moved into the full-scale pilot phase of the program. This program has completed laboratory research and field pilot studies and has received final approval from CDPHE to begin full implementation. Work will begin in 2021 to identify necessary updates to City Code and revisions to operational procedures to implement the program.

## AWARDS & CERTIFICATIONS

PARTNERSHIP FOR SAFE WATER

2019

The distribution system maintained its **DIRECTOR'S AWARD** status for the sixth year in a row.

The Water Treatment Facility maintained it's **PRESIDENT'S AWARD** for the fifth year in a row.

The Water Treatment Facility is an **Environmental Leadership Program GOLD LEADER.**

The treatment facility and distribution system operators are certified by the Colorado Water and Wastewater Facility Operators Certification Board as **CERTIFIED WATER PROFESSIONALS.**

**To read the full 2020 update, visit: FCGOV.COM/DRINKING-WATER-UPDATE**

Auxiliary aids and services are available for persons with disabilities. 970-212-2900, V/TDD 711

21-23285

City of Fort Collins Utilities

# 2020

## DRINKING WATER QUALITY POLICY UPDATE

FCGOV.COM/DRINKING-WATER-UPDATE

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