

OUR GOALS

2019 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

Participated in the Northern Colorado Fireshed Collaborative.

Completed a Drinking Water Infrastructure Wildfire Risk Assessment for the Cache la Poudre River.

WILDFIRE MITIGATION PROJECTS

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

SOURCE

HORSETOOTH RESERVOIR

CACHE LA POUDE 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.

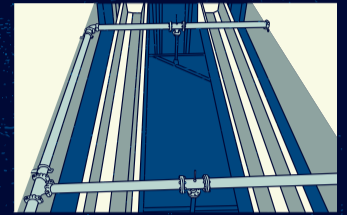
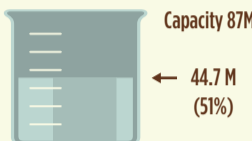
Monitoring includes more than 25 chemical, physical and microbiological contaminants at 35 locations throughout our source watersheds. City's source watersheds continue to provide high-quality water.

The Watershed Program facilitated a staff training for the Source Water Spill Response Plan, implemented in January 2020.

WATER TREATMENT FACILITY

PRODUCED 8B GALLONS OF DRINKING WATER.

PEAK DAY PRODUCTION WAS 44.7M GAL

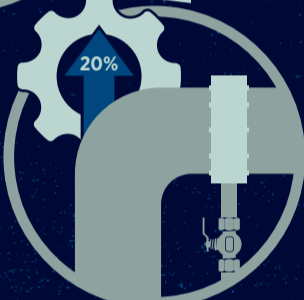
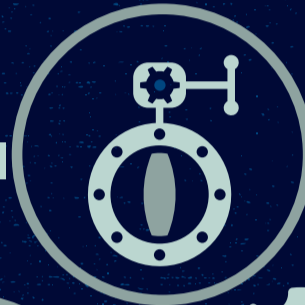


Replaced media in six filters and rehabilitated Filter 7 with new wall coatings, new underdrains and new media.

Added a redundancy turbidimeter to the Combined Filter Effluent area.

Six Programmable Logic Controllers were updated and replaced.

Installed two new clear-well bypass valves and one flowmeter, and calibrated another flowmeter.



Available treated water storage would meet 18 hours of peak demand, exceeding the benchmark of storage capacity for 12 hours of peak demand.

Utilities received 0.35 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."**

Replaced Train 4 sludge removal equipment and repaired the flocculation basin concrete.

Commissioned the microhydro power generator, providing 20% of the facility's electrical demand, and switched power providers to Fort Collins Light & Power.

ADEQUATELY MAINTAINING OUR ASSETS ENSURES RELIABLE SERVICE.

Completed 2,580 planned maintenance work orders and 88 corrective maintenance work orders.

DISTRIBUTION

OPERATE AND MAINTAIN 542 MILES OF WATER MAINS

397 Cathodic Protection Test Station Readings

99 WATER MAIN BREAKS WERE REPAIRED

REPLACED 1.28 Miles of Water Mains

36 VALVES INSTALLED

9 FIRE HYDRANTS

1,084 fire hydrants flushed to improve water quality

26 Service Leaks

53 FIRE HYDRANTS

1,009 CUSTOMER COMPLAINTS during regular hours

118.5 MILES OF WATER DISTRIBUTION PIPES CHECKED FOR LEAKS

AND 275

after hours.

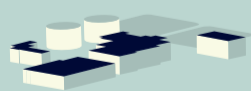
PERFORMED 902 BACKFLOW AND CROSS-CONNECTION SURVEYS, to ensure that contaminants cannot flow back into the water supply.

CODE UPDATES



Revised and published Water, Wastewater and Stormwater **DEVELOPMENT CONSTRUCTION STANDARDS.**

Updated the Plant Investment Fee.



Updated and received Council approval of the **CROSS-CONNECTION MANUAL.**



MONITORING for the most current of unregulated contaminants in source and/or finished water began in 2019 and will continue into 2020.



REGULATORY COMPLIANCE



Participated in a **STAKEHOLDER GROUP** to help formulate a regulation on Technically Enhanced Naturally Occurring Radioactive Material in water residuals.

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

ENVIRONMENTAL MANAGEMENT SYSTEM



The Water Treatment Facility is ISO 14001:2015 certified.

Electrical power purchased from the grid was reduced from 2018 by 18.3% percent. This reduction is mostly due to the the Microhydro project.

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.



AWARDS & CERTIFICATIONS



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

The Water Treatment Facility maintained its **PRESIDENT'S AWARD**

2019

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.**

MASTER PLANNING

Continued work on the Water Distribution and Wastewater Collection Master Plan, which will identify capital improvements necessary to maintain levels of service in these systems.

To read the full 2019 update, visit: FCGOV.COM/DRINKING-WATER-UPDATE

Auxiliary aids and services are available for persons with disabilities. 970-212-2900, V/TDD 711 201-2262

