

OUR GOALS

2018 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

Future wildfires continue to be a high priority threat to source water supplies.

SOURCE

SOURCE WATER PROTECTION PLAN IN PLACE

HORSETOOTH RESERVOIR

CACHE LA POUDE RIVER

Worked collaboratively with the Coalition for the Poudre River Watershed (CPRW) and others to improve the health and resiliency of the Poudre River.

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.

Completed a detailed condition assessment of the 24-inch Poudre raw water pipeline.

TREATMENT

WATER TREATMENT FACILITY

PRODUCED **8.8B GALLONS** OF DRINKING WATER

PEAK DAY PRODUCTION WAS 49M GAL

Capacity 87M

← 49M (56%)

Identified the need and began to update 8 filters.



Available treated water storage would meet 16.6 hours of peak demand, exceeding the benchmark of storage capacity for 12 hours of peak demand.



Utilities received 0.58 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 the sludge removal equipment in Treatment Train 4 and applied a protective coating to the concrete on the flocculation basin of the train.



Substantially completed construction on the microhydro electric generator.

ADEQUATELY MAINTAINING OUR ASSETS ENSURES RELIABLE SERVICE

DISTRIBUTION

OPERATE AND MAINTAIN

542 Miles of Water Mains

389 Cathodic Protection Test Station Readings

EVALUATED

1,147 Valves

163 Valves REPAIRED

5 Fire Hydrants

55 Service Lines and

3 Air Valves

REPLACED

2.04 Miles of Water Mains

(11.4% higher than 2017) during the annual water distribution system replacement program

67 VALVES INSTALLED

13 Fire Hydrants

917 fire hydrants flushed to improve water quality

12 Service Leaks

945 Fire Hydrants

132 MILES OF WATER DISTRIBUTION PIPES CHECKED FOR LEAKS

TESTED 1785 Water Meters

755 INSPECTIONS OF METERS AND BYPASSES

RESPONDED TO

2,138 ADVANCED METER EVENTS

REPLACED

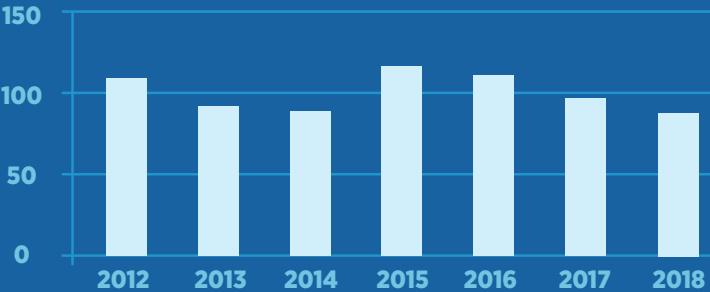
1811 Water Meters

INSTALLED

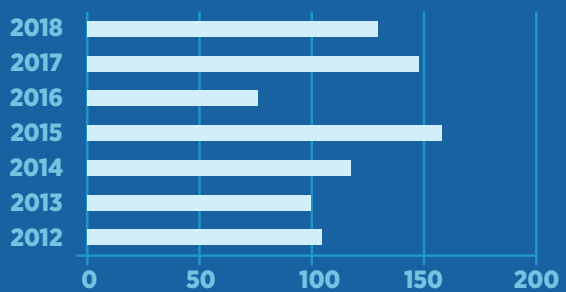
233 New Water Meters

PERFORMED **1,849** BACKFLOW AND CROSS-CONNECTION SURVEYS, to ensure that contaminants cannot flow back into the water supply.

ANNUAL MAIN BREAKS 2012-2018



MILES OF WATER MAINS surveyed for leaks, 2012-2018



CODE UPDATES



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

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



ENVIRONMENTAL MANAGEMENT SYSTEM



The Water Treatment Facility is ISO 14001:2015 certified. Electrical power purchased from the grid was reduced from 2017 by 0.4%, equating to a 22.6% reduction in greenhouse gas footprint from 2005 levels.



Treatment residual solids make up 96% of the treatment waste stream. Began working with Low Impact Design program to provide some of this material for testing as treatment media for removing phosphorus out of stormwater runoff. If successful, there is the potential to divert 20 tons per year of our treatment residuals from the landfill (20% of total residuals generated each year).

AWARDS & CERTIFICATIONS



The distribution system was awarded the Partnership's **DIRECTORS AWARD** for distribution excellence in 2015 and has maintained that status 2016-2018.

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.**

LOOKING FORWARD



In 2019-2020, Utilities will monitor for a list of unregulated contaminants in the source and/or finished water.

Funding for collaborative wildfire restoration and mitigation projects to protect our source watersheds continues to be allocated. In 2012, CPRW began a multiyear project with Fort Collins Utilities and other partners to stabilize the drainage; the project is slated for completion in 2019.



In 2019, a combined water-wastewater laboratory in partnership with Rocky Mountain Innosphere was approved and is expected to be complete in 2021.

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 2018 update, visit: FCGOV.COM/DRINKING-WATER-UPDATE



Auxiliary aids and services are available for persons with disabilities. 970-202-2900, V700 711

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