

# OUR GOALS

2016 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](http://FCGOV.COM/UTILITIES/WHAT-WE-DO)

# SOURCE

## A SOURCE WATER PROTECTION PLAN

was completed for the city's two major drinking water supplies

**HORSETOOTH RESERVOIR**

**CACHE LA POUDE RIVER**

Collaborative planning and monitoring of large watersheds reduces sampling costs and provides a significant shared knowledge base.

# TREATMENT

## PLEASANT VALLEY PRE-SEDIMENTATION BASIN

49%

Removes up to 49% of total suspended solids in the raw river water before it reaches the Water Treatment Facility

## REPLACED MEDIA AND RECOATED WALLS IN 6 FILTERS

## THE 2.5 MILLION GALLON CHLORINE CONTACT BASIN

is now online and functioning as designed at the Water Treatment Facility, gaining back nearly 10 million gallons of usable storage capacity. This project was completed under budget with a minor schedule extension.

Completed minor repairs to east and west storage reservoirs on treatment facility site

Extended permanent power to Goathill Reservoir

Previously powered only by small solar panels and a propane-powered generator

380%

Utilities received 1.75 water quality complaints per 1,000 customers. This is 380% lower than similar utilities nationwide.

4x

IBM Maximo Enterprise Asset Management System data shows that we are exceeding our benchmark goal of 4 planned maintenance events for every 1 corrective maintenance event.

1x

The Water Treatment Facility completed multiple asset replacement projects identified in the Master Plan, including critical upgrades to the electrical systems.

## ADEQUATELY MAINTAINING OUR ASSETS ENSURES RELIABLE SERVICE

# DISTRIBUTION

Water Distribution Crews **OPERATE AND MAINTAIN**

539 Miles of Water Mains

701 Locator Stations

490 Cathodic Protection Test Stations

12,701 Valves

Water Distribution Crews **REPLACED**

1.47 Miles of Water Mains

during the annual water distribution system replacement program

119

76

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

119 VALVES

14

Fire Hydrants

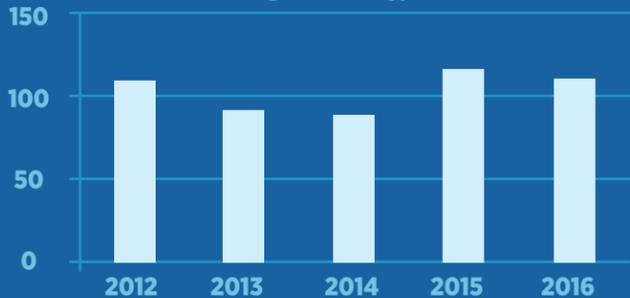
38,469 Water Service Lines

3763

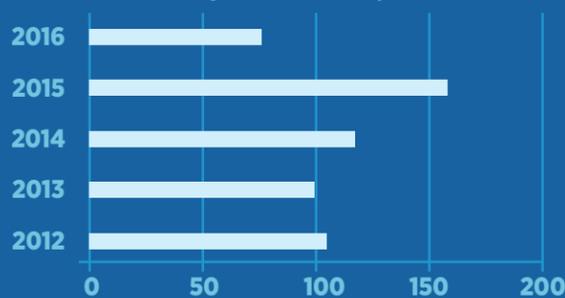
Fire Hydrants

PERFORMED **482** BACKFLOW AND CROSS-CONNECTION SURVEYS, ensuring contaminants cannot flow back into the water supply.

Number of MAIN BREAKS occurring annually, 2012-2016



Annual number of MILES OF WATER MAINS surveyed for leaks, 2012-2016



# AWARDS

The Water Treatment Facility achieved the **PRESIDENTS AWARD** for excellence in drinking water quality.

The distribution system was the first in Colorado and the twelfth in the nation to receive the **DIRECTORS AWARD** for the Distribution System Optimization Program in 2015.

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

As part of the ISO 14001:2004 certification of our Environmental Management System, the Water Treatment Facility participated in the Colorado Industrial Energy Challenge and achieved a **1.77% reduction in purchased electrical usage from 2015**, which is a **24% REDUCTION FROM 2005 LEVELS.** This exceeds the City's Climate Action Plan goal of 20% reduction by 2020.

# MASTER PLANNING

To continue reliable service, master planning efforts are ongoing across the water utility, including planning for new water pipes, laboratories and treatment plant upgrades.

To read the full 2016 update, visit: [FCGOV.COM/DRINKING-WATER-UPDATE](http://FCGOV.COM/DRINKING-WATER-UPDATE)