

# FORT COLLINS UTILITIES WATER 101

Updated: December 2020



## MICHIGAN DITCH

- Redirects Michigan River water from the North Platte River Basin to the Poudre River
- Built: 1902
- City-owned since 1971

WOOD STAVE PIPE

## JOE WRIGHT RESERVOIR

- Capacity: 7,100 acre-feet of water storage
- Elevation: 9,900 feet
- City-owned since 1971

## MICHIGAN DITCH TUNNEL

- Constructed in 2016

## CACHE LA POUFRE HEADWATERS

- Provides 50% of our water supply.
- 80% of annual Poudre runoff is from snowmelt April through July.

## TRIBUTARY STREAMS

## CACHE LA POUFRE RIVER

- Poudre River water is monitored at 19 strategic sites throughout the Mainstem, North Fork and South Fork of the watershed.

## Halligan Dam

## HALLIGAN RESERVOIR

- Built: 1909
- Capacity: currently 6,400 acre-feet
- If expanded, the reservoir will be 14,500 acre-feet and provide 8,100 acre-feet of water storage for Fort Collins Utilities.

## NORTH FORK CACHE LA POUFRE RIVER

## FORT COLLINS UTILITIES INTAKE

## Horsetooth Dam

## HORSETOOTH RESERVOIR

- Provides 50% of our water supply
- Capacity: 156,735 acre-feet
- Built: 1951
- Operated by Northern Water as part of the Colorado-Big Thompson (C-BT) Project.
- The City owns 6% of all C-BT units.

## Soldier Canyon Dam

## FORT COLLINS WATER TREATMENT FACILITY

- 8+ billion gallons of water treated annually
- Serves 32,000+ residential and 3,000+ commercial customers
- 500+ miles of distribution pipes

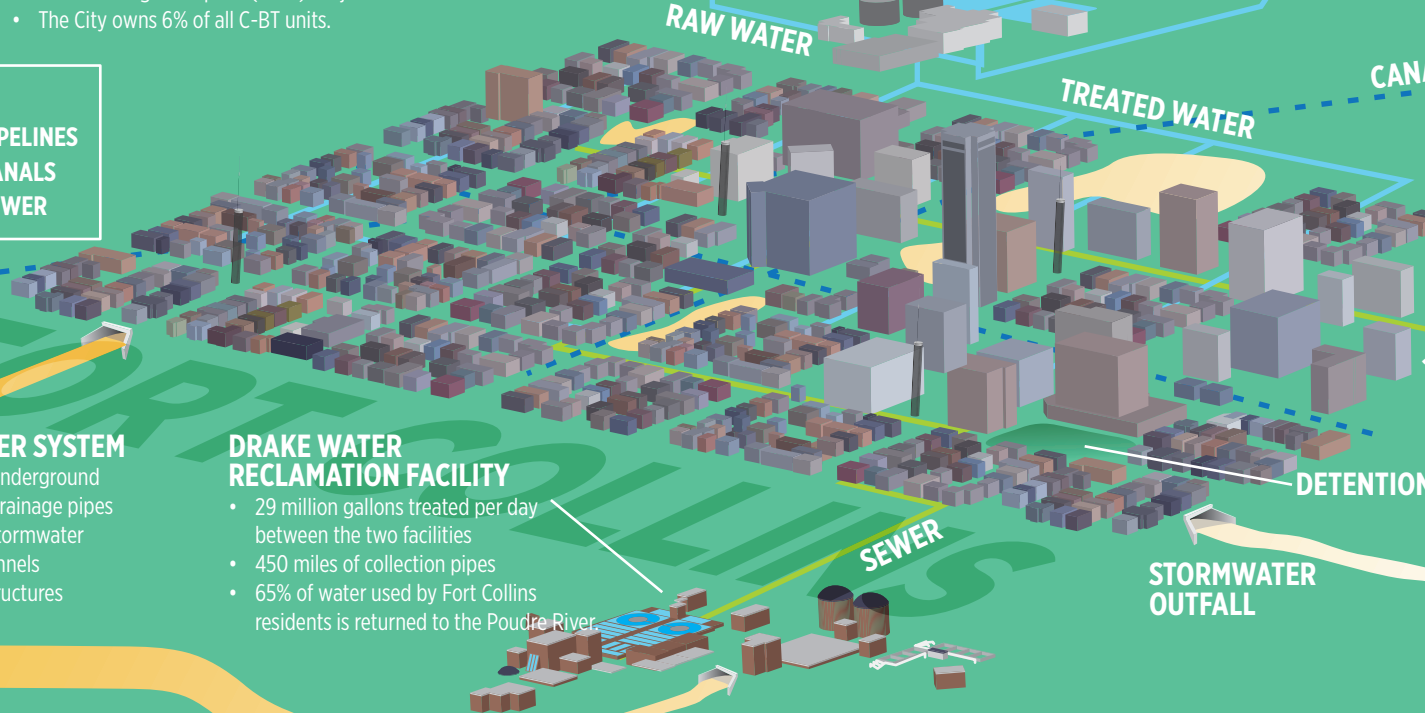
## POUDRE PIPELINES

- Built: 1924-2004
- Size: Varying 24-67-inch diameter

## RAINWATER GAUGE

**KEY**

- PIPELINES
- - - CANALS
- SEWER



## STORMWATER SYSTEM

- 178 miles of underground stormwater drainage pipes
- 69 regional stormwater drainage channels
- 8,232 inlet structures

## DRAKE WATER RECLAMATION FACILITY

- 29 million gallons treated per day between the two facilities
- 450 miles of collection pipes
- 65% of water used by Fort Collins residents is returned to the Poudre River

## STORMWATER OFFFALL

## SEWER PIPE

## CANAL

## MULBERRY WATER RECLAMATION FACILITY

## RAINWATER GAUGE

- Flood conditions are monitored with 55 automatic rain gauges, 48 stream flow gauges and 6 automatic weather stations.

## CACHE LA POUFRE RIVER