

Your Brighton Utilities

Utilities Infrastructure

1 Brighton Water Treatment Plant

This treatment plant removes naturally occurring salts and minerals from the water to meet safe drinking water standards.

2 Brighton's Water Sources

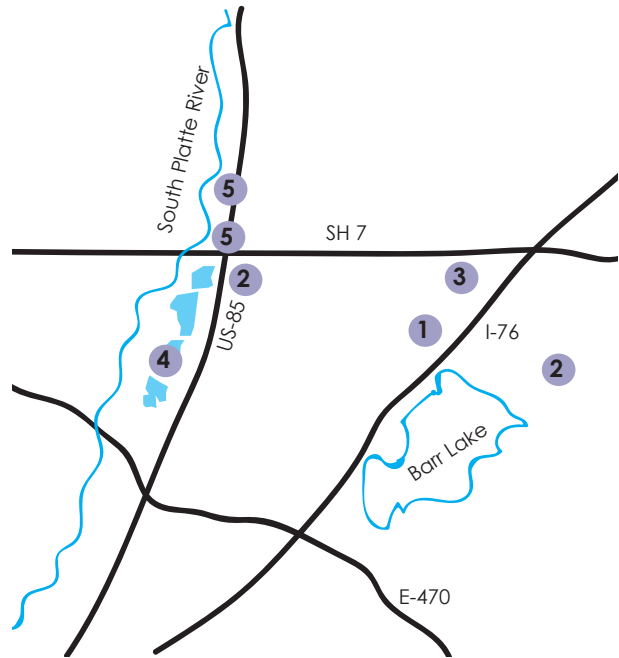
Our water supply comes from three sources - a shallow aquifer, called the Beebe Draw, wells adjacent to the South Platte River, and Thornton. Water is pumped into the City's treatment facilities - either the Greensand Filter Plant or the Reverse Osmosis Plant before it's sent into the City's water system. Additionally, Brighton buys some water from Thornton, which is pumped through their distribution system into our City.

3 New Elevated Water Tank

A new, elevated water tank will hold two million gallons of clean, drinking water for our community.

Reservoirs

Users of surface water, which includes water from the South Platte River, must put as much water back into a river as they take out which is called augmentation. When there is extra water in the South Platte River, Brighton pipes it into a series of reservoirs where it is stored until river flows drop. Water is then sent from the reservoirs back to the South Platte River.



*Brighton partners with the Urban Drainage and Flood Control District (UDFCD) to direct stormwater to the South Platte River or Beebe Draw. We will continue to build the bridges, pipes and canal infrastructure that facilitates the drainage and manages flooding in our community.

5 Brighton Wastewater

Our city's wastewater is delivered to the Brighton Wastewater Treatment Plant, Lochbuie Wastewater Treatment Plant and Metro Wastewater Reclamation District for treatment.

Greensand Water Treatment Plant Expansion



The Greensand Water Treatment Plant provides Brighton water customers with up to 10.5 million gallons of clean, renewable water each day. In the next five years, Brighton needs to invest approximately \$42 million in the design and construction of an expansion to the plant to ensure our community has quality water now and in the future.

Financial Overview

Infrastructure Costs

Brighton is slated for a series of upgrades to its utility infrastructure system. Projects include design, construction and completion of the upcoming projects listed below as well as maintenance and repairs to the existing system over the next five years.

Upcoming Projects

- A** Brighton Water Treatment Plant expansion, repairs and improvements
- B** Maintenance & improvements to pre-treatment collection system
- C** Improvements & repairs to distribution system (pipelines, potable water tank)
- D** Metro Wastewater system partnership & repairs/improvements to Brighton Wastewater (pipeline, manhole)
- E** Stormwater-related projects

Projected Financial Need: \$110 million

*based on planned project estimates for water, wastewater and stormwater for 2020-2024

Utilities Outlook & Planning

2019

- Design begins on Brighton Water Treatment Plant expansion (A)

2021

- New elevated water tank complete (C)

2023

- Complete Brighton Water Treatment Plant expansion (C)

2020

- Brighton Water Treatment Plant pilot testing (A)
- New elevated water tank goes under construction (C)
- Storm drainage infrastructure projects begin (E)

2022

- Initial phase of Brighton Water Treatment Plant expansion complete (A)
- Raw water line improvements (B)

2024

- Necessary water line replacement (D)