

NORTH SYSTEM RENEWAL



Fact Sheet

JULY 2017

Denver Water is celebrating serving the Denver metro area for 100 years in 2018. The water we provide to 1.4 million residents helps maintain a vibrant city and many of its surrounding suburbs. We are passionate and dedicated to the people we serve and those who live and work near our facilities.

Denver Water's North System brings snowmelt from the mountains through a series of reservoirs, pipelines and a treatment plant to produce clean, great-tasting water for our customers. Water is transported through the Moffat Tunnel and stored in Ralston Reservoir located in Jefferson County. Currently, untreated water is sent through two 8.5-mile pipelines from Ralston Reservoir to the Moffat Treatment Plant in Lakewood, where it is treated and distributed to homes and businesses across Denver Water's service area.





FOR MORE INFORMATION

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PROJECT COMPONENTS

-  Ralston Reservoir Connection
-  Northwater Treatment Plant
-  Northwater Pipeline
-  Moffat Distribution Site

CONSTRUCTION TIME FRAME

2017 - 2023


COST


The North System Renewal is expected to cost over \$500 million. This includes design, project management, mitigation and construction. Our customers' commitment to conservation yielded a \$155 million savings on the treatment plant, by allowing us to design and build a smaller plant.

CRITICAL UPDATES TO OUR AGING WATER SYSTEM

Denver Water's North System was constructed in the 1930s, when most of the surrounding area was rural farmland. Now, 80 years later, the North System is reaching the end of its lifespan. Because of age and wear and tear, the pipelines and valves in our North System need to be replaced and our water treatment technology updated. Upgrading and modernizing the system will give us the opportunity to "right size" the treatment plant for our water demands today and into the future. These improvements are necessary not only to maintain reliable water service for our customers, but also to avoid service failures that could adversely impact neighbors who live and work near our infrastructure. We take pride in our proactive approach to maintain a reliable water system. When finished, the North System will be resilient and adaptable to changing demands for water.

The North System Renewal includes four major components:

 **Ralston Reservoir Connection:** We are making the necessary upgrades and improvements to connect the reservoir to the Northwater Treatment Plant. This includes replacing and upgrading the 1930s-era pipelines and valves that allow water to be released from the reservoir.

 **Northwater Treatment Plant:** We are building a new, state-of-the-art water treatment plant next to the Ralston Reservoir, north of Golden, in Jefferson County. The Northwater Treatment Plant will be capable of treating up to 150 million gallons of water a day and will be equipped with disinfection technology that will provide more flexibility to react to changes in water quality.



Northwater Pipeline:

We are installing a 7-foot diameter pipeline along an 8.5-mile route from Ralston Reservoir to the Moffat site in Lakewood, replacing two smaller existing pipelines. The pipeline will transport treated water from the newly built Northwater Treatment Plant to the Moffat site for distribution to our customers.



Moffat Distribution Site:

We are repurposing the Moffat Treatment Plant, originally built in 1937, into a storage and distribution site for treated water coming from the Northwater Treatment Plant.

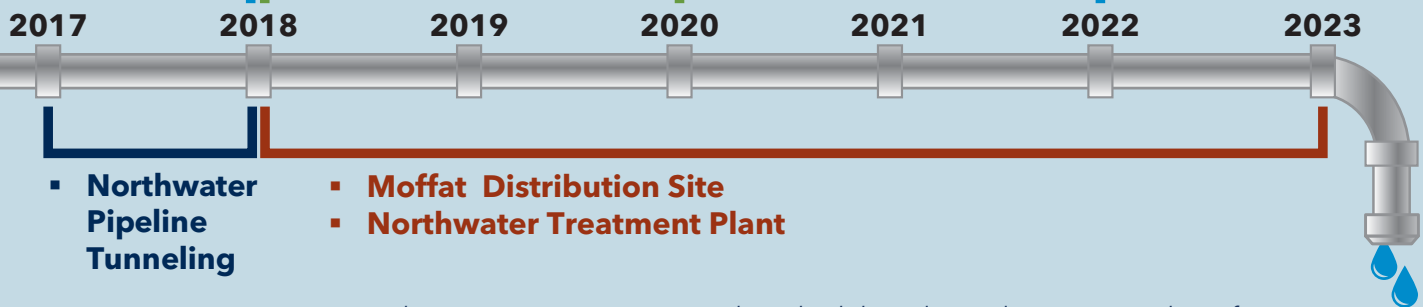


BEING A GOOD NEIGHBOR

Denver Water is committed to supporting our neighbors and the surrounding community as we move through these projects. We will mitigate construction impacts and inconveniences wherever possible and communicate early and often to ensure that residents can plan accordingly.

NORTH SYSTEM RENEWAL TIMELINE

- Northwater Pipeline Installation
- Ralston Reservoir Connection



** As with any construction project, the schedule is dependent on a number of factors. It will be updated as construction progresses.*