

# CITY CREEK **WATER TREATMENT PLANT**

## **UPGRADES**

April 6, 2022

**Greater Avenues Community Council**



# History of City Creek

City Creek and surrounding areas were used by Indigenous Peoples including the Shoshone Peoples and Ute American Indians for hunting, gathering, and migration.

City Creek was diverted into a municipally-owned, piped water distribution system to provide fire protection and culinary water supply to city residents.

Excessive and careless recreational use during the early 1900s resulted in noticeable pollution of the City Creek Canyon drinking water supply. This resulted in the canyon being closed to public use from 1952 to 1966.

First major upgrades to the treatment plant to improve processing and monitoring equipment and to reconstruct the on-site office and storage facilities.

Demolition of flocculation building based on structural assessment in 2016.



1200-1847



1847

1876



1917

1952



1953

2004



2016

2018



2020



City Creek becomes the first registered water right after the Mormon Pioneers settled in the Salt Lake Valley.



Chlorine was added to City Creek water to eliminate water-borne pathogens from the public drinking water supply.



Utah's first municipally owned water treatment plant was constructed.



Structural condition assessment of existing facilities showed evidence of deterioration and a need to plan for rebuild in coming years.



Decision is made to rebuild the treatment plant in phases based on condition assessment of all existing facilities.

# Treatment Plant

- Located approx. 3.5 miles from gate entrance.
- 2-16 MGD water treated.
- Who benefits?



# Treatment Plant



# Project Purpose

- Upgrade existing treatment plant to improve and replace aging infrastructure.
- Maintain reliable treatment of this key water source.



# Anticipated Project Schedule

## City Creek Water Treatment Plant Anticipated Project Schedule

		2021	2022	2023	2024	2025
<b>Step 1</b>	Keep the existing plant in operation	<b>Design</b>	<b>Construction</b>			
<b>Step 2</b>	Seismic upgrades	<b>Design</b>		<b>Construction</b>		
<b>Step 3</b>	Rebuild plant	<b>Design</b>		<b>Final Design and Construction</b> (TBD pending external funding)		
<b>Step 4</b>	Addition of a finish water reservoir		<b>Siting Study</b>	<b>Design</b>	<b>Construction</b>	
<b>Step 5</b>	Replacement of pipe infrastructure flowing from plant					<b>Future</b> (TBD)

# Construction 2022

- Retaining Wall\*
  - Work will begin this month (April) and will be completed before Memorial Day.
- Direct Filtration Pipeline\*
  - Fall 2022-Mid 2023
  - Contained within the existing fence boundary.
- Communication
  - Social media, project website, posted notifications (guard building, A-frame signs, H-stake signs, etc.), e-newsletters, etc.

\*We anticipate access to traffic and pedestrians will remain open during these projects.

# Initial Kickoff Survey Summary



- 324 Respondents
- 86% aware of the WTP
- 90% aware that City Creek Canyon is a protected watershed.
- 95% recreate in the canyon
  - Primarily walking, biking, and hiking.
- 221 respondents signed up for progress updates





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