

CITY CREEK **WATER TREATMENT PLANT** **UPGRADES**

May 23, 2024

Public Utilities Advisory Committee



Presenter



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*Senior Water Quality & Treatment Engineer
Water Treatment Plants Program Manger*

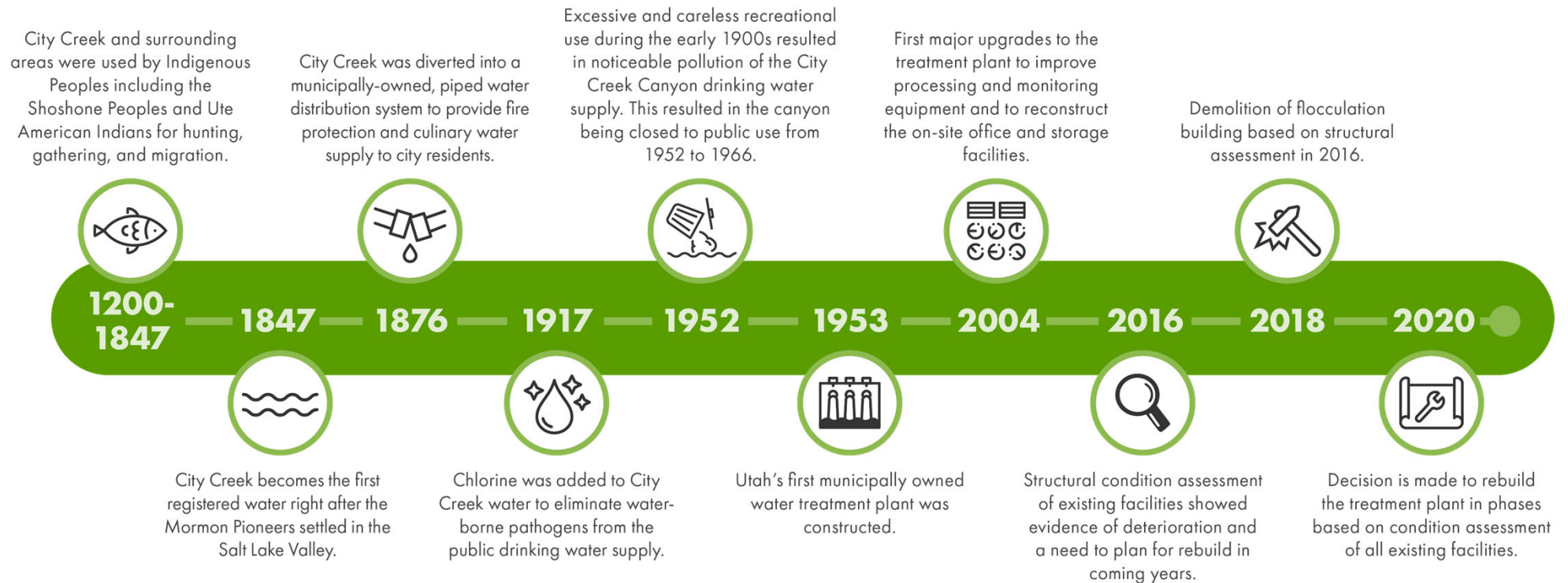


CITY CREEK

Treatment Plant Upgrades



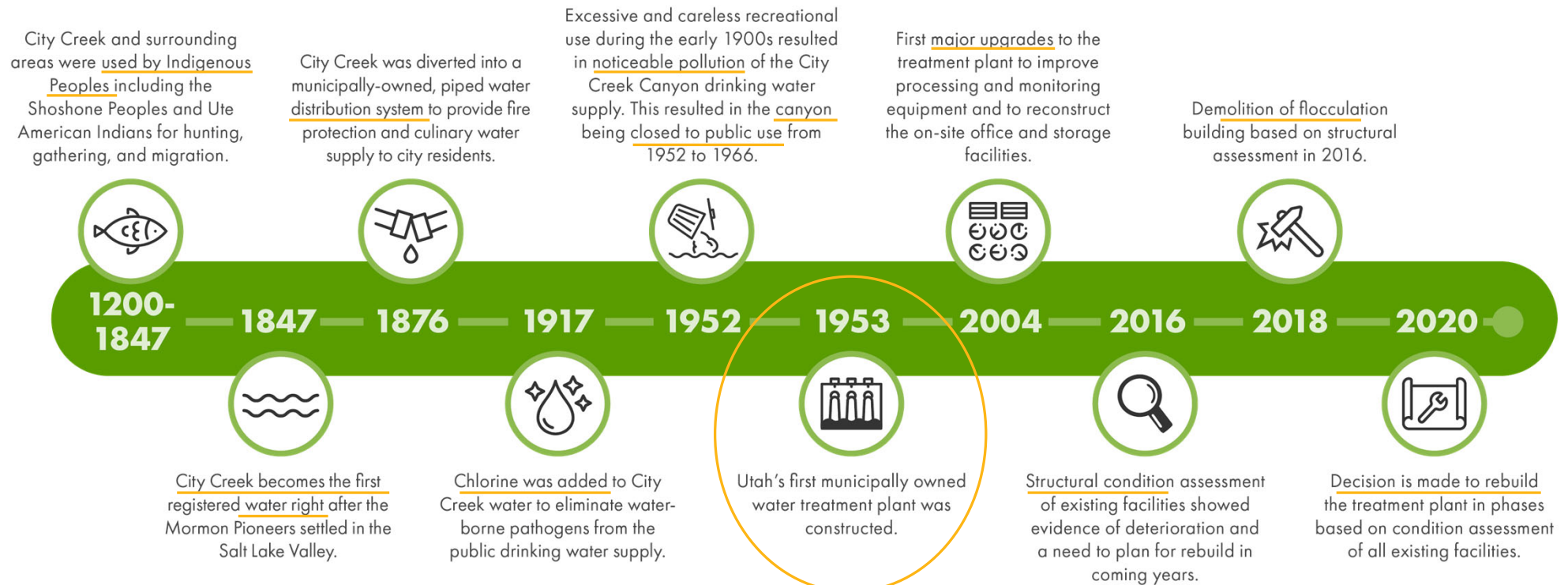
History of City Creek



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Treatment Plant Upgrades

History of City Creek



CITY CREEK Treatment Plant Upgrades

Treatment Plant

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



Existing Treatment Plant



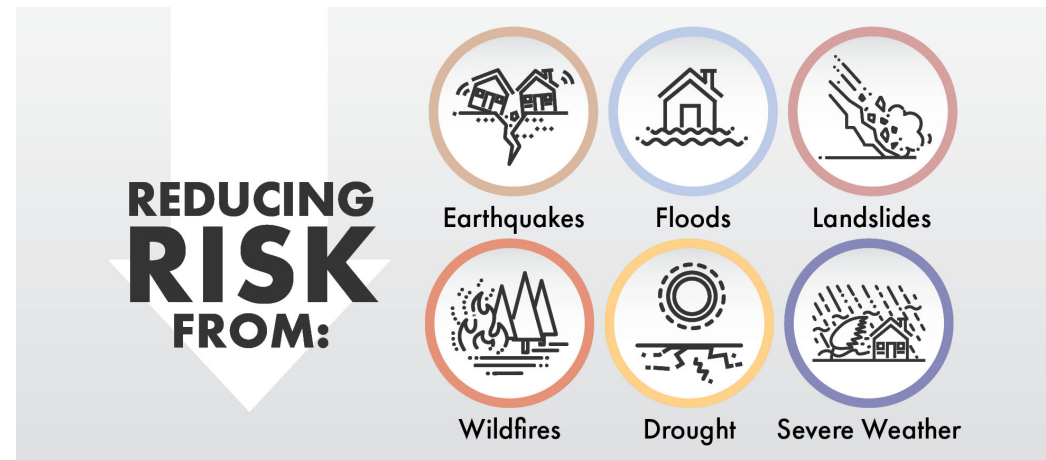
Project Overview

- Purpose

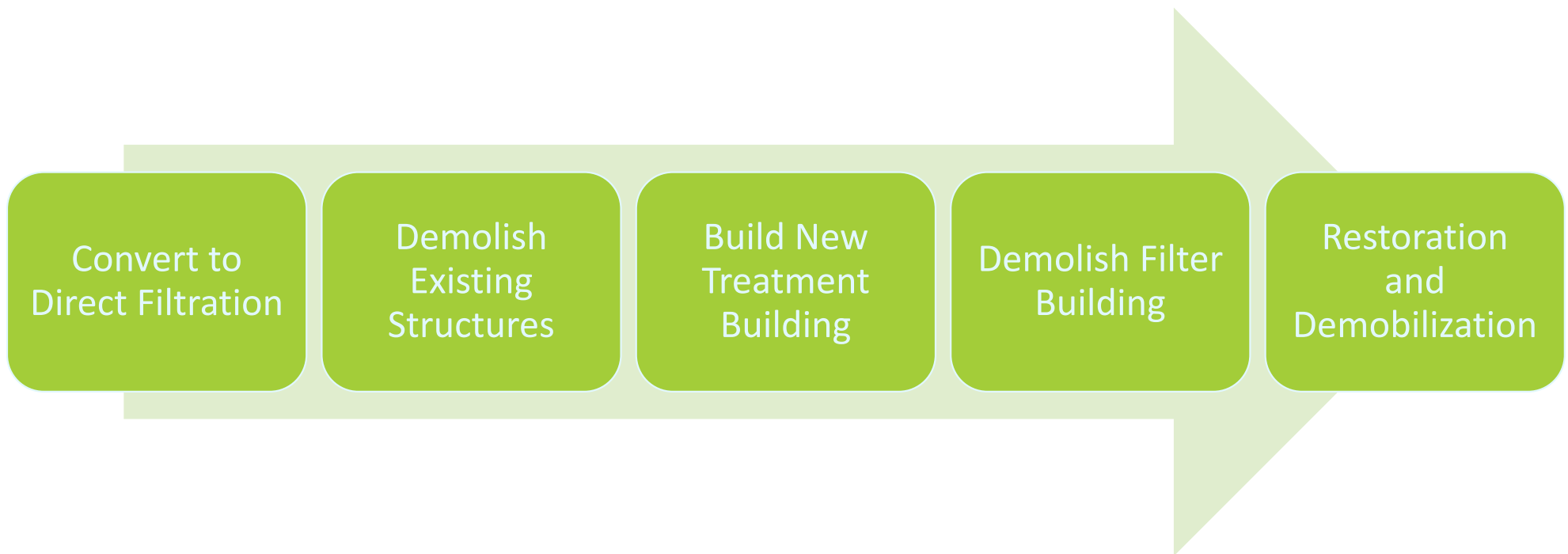
- Upgrade existing treatment plant and improve resiliency
- Continue providing high-quality, delicious drinking water to all SLCDPU customers

- Funding

- FEMA BRIC Grant
 - \$36.7 million
 - Reduce cost to rate-payers by approx. 30%



Project Approach

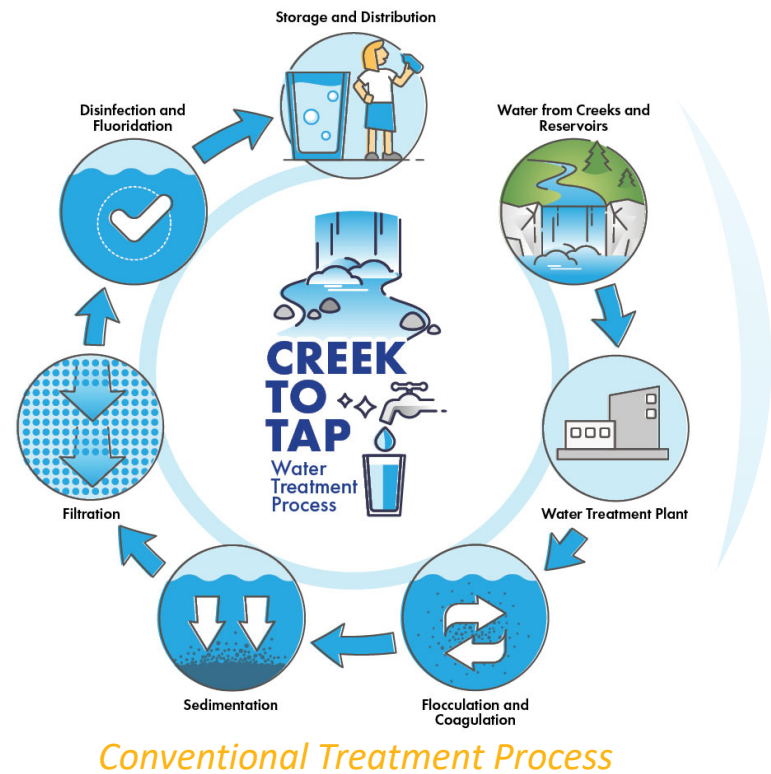


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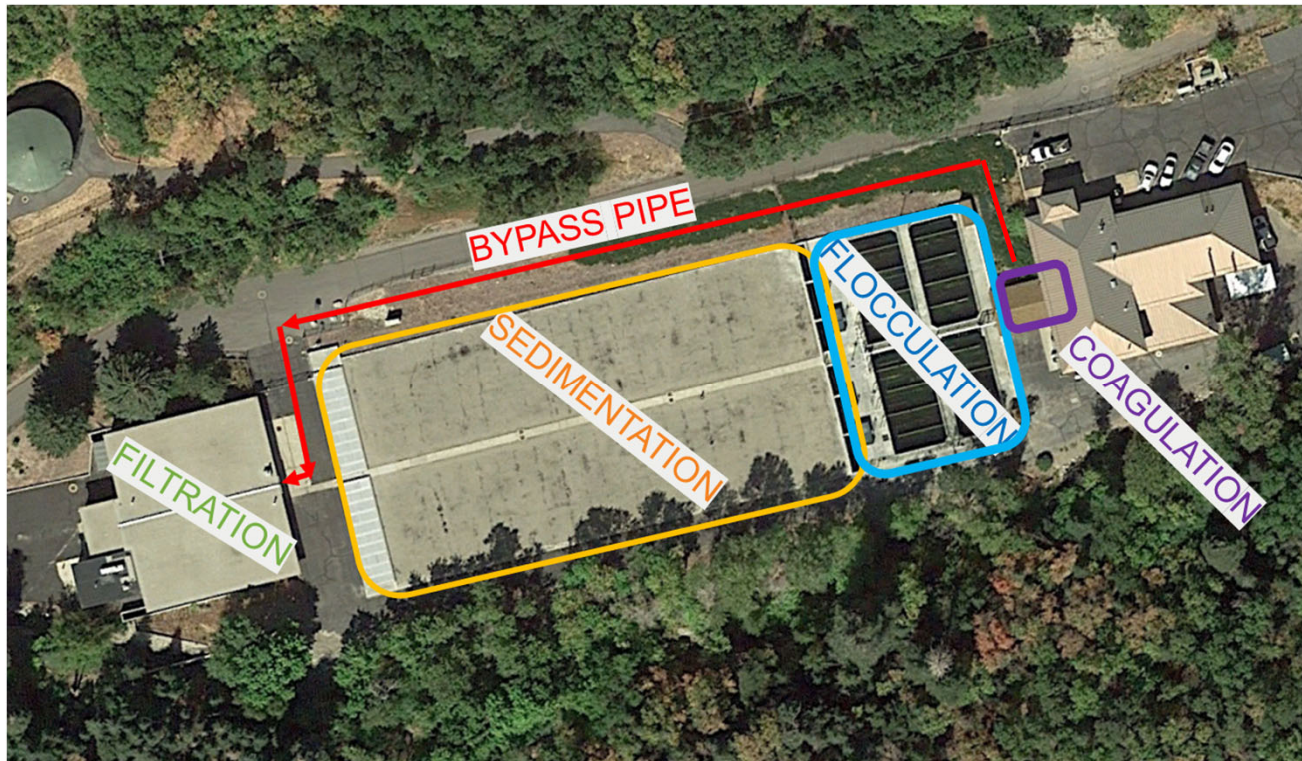
Treatment Plant Upgrades

Step 1: Convert to Direct Filtration

City Creek WTP provides water to a critical portion of our distribution system and must remain in operation during construction

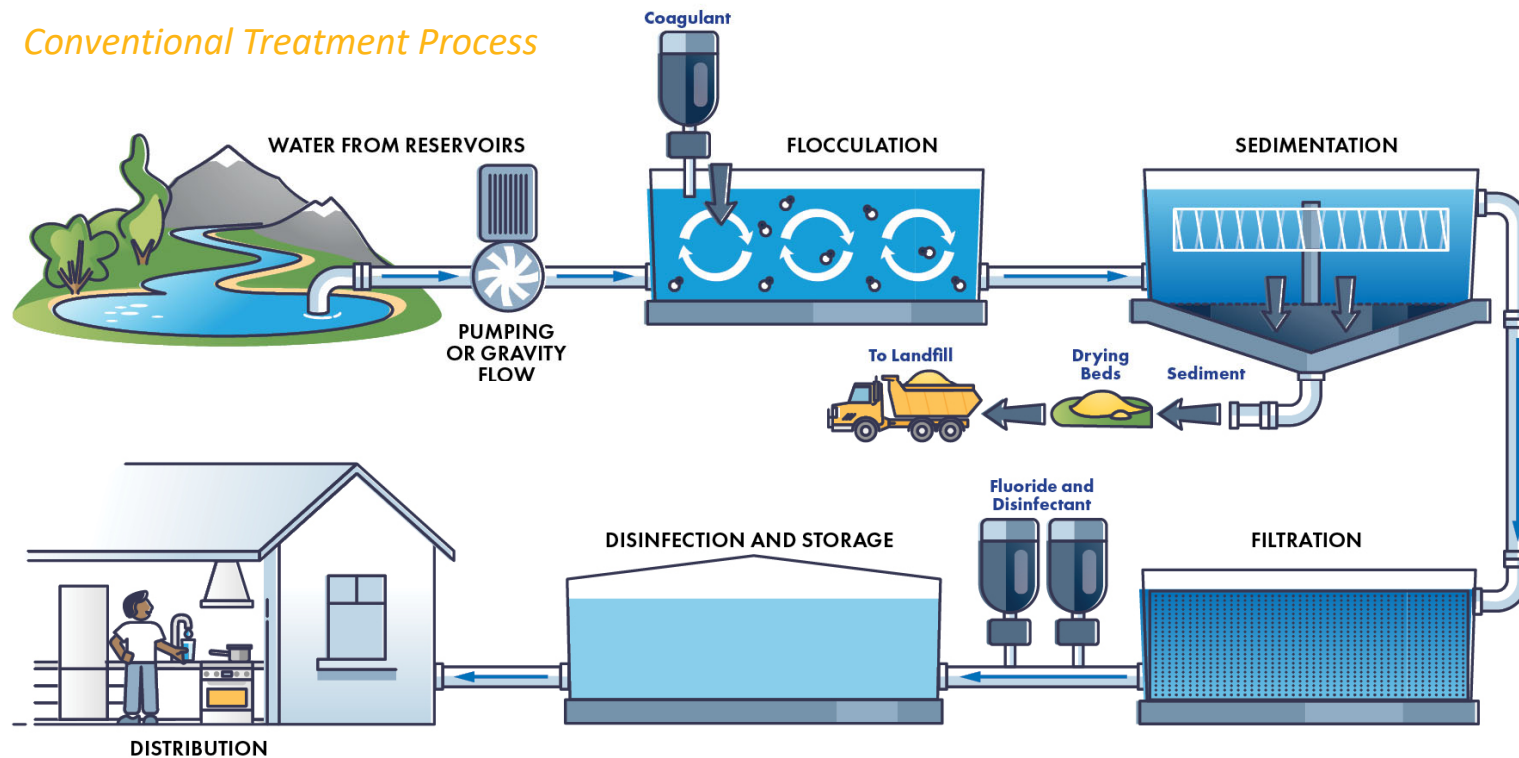


Step 1: Convert to Direct Filtration



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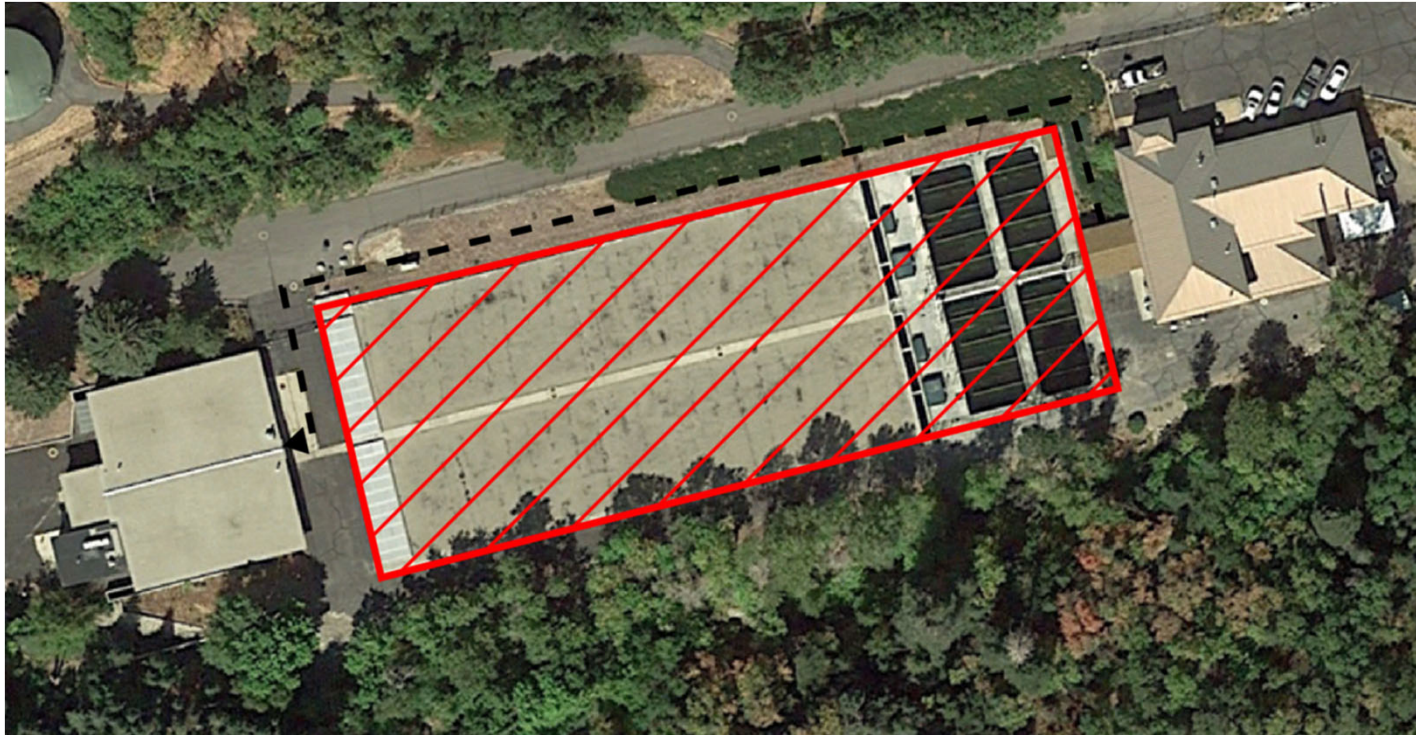
Conventional Treatment Process



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Treatment Plant Upgrades

Step 2: Demolish Existing Structures



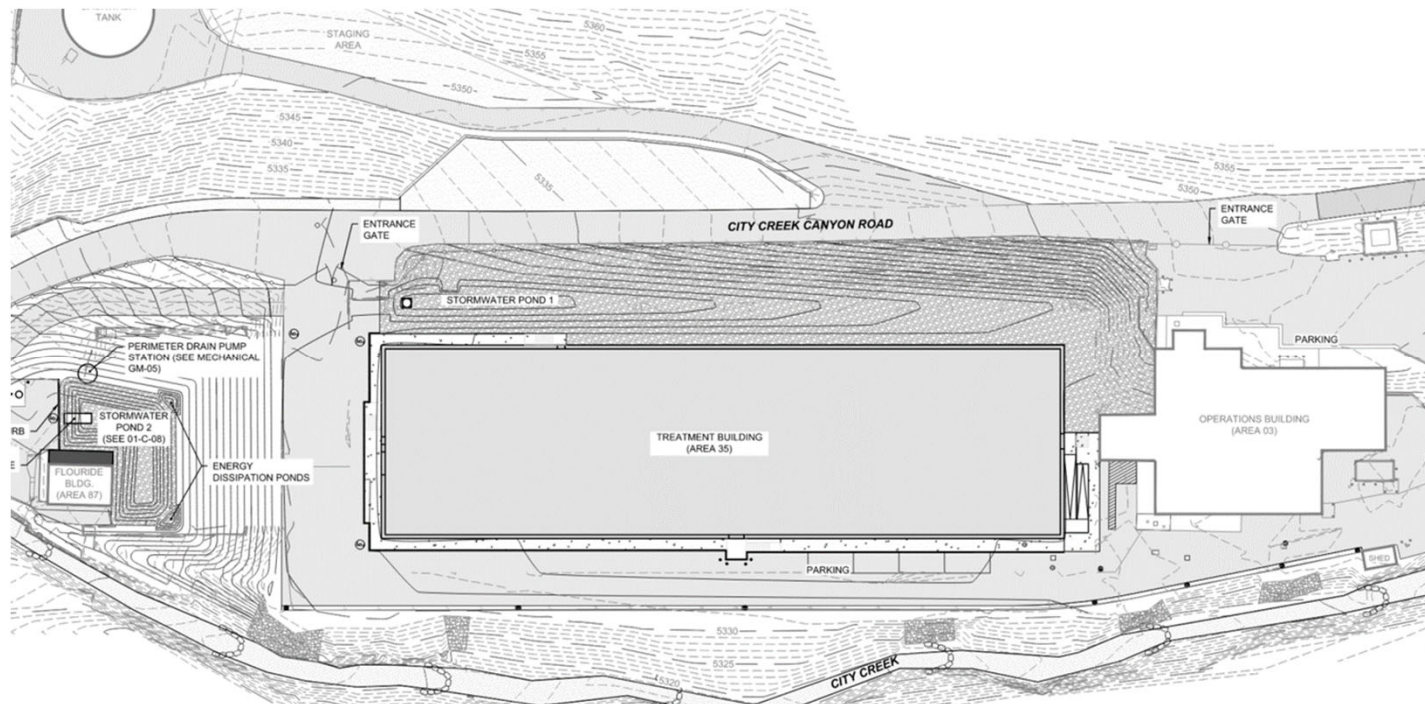
Step 3: Build New Treatment Building



Virtual Walk Through



Step 4 & 5: Demolish Filtration Building & Restoration



Architectural Rendering



Project Schedule

BRIC FUNDED

		2021				2022				2023				2024				2025					
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
}	Step 1	Keep the existing plant in operation				Design				Construction													
	Step 2	Plant modifications to maintain production throughout construction				Predesign				Design				Construction									
	Step 3	Replace water treatment processes				Predesign		Design										Construction (through July 2027)					
	Step 4	Addition of a finish water reservoir				Siting Study		Further Analysis, Studies, and Modeling (TBD)															
	Step 5	Inspection and repair or replacement of pipe infrastructure flowing from plant								Future (TBD — future phase not included with BRIC grant)													
		The award of BRIC funding shifted the project schedule to align with FEMA requirements. This schedule is accurate as of May 2024.																					



CITY CREEK Treatment Plant Upgrades



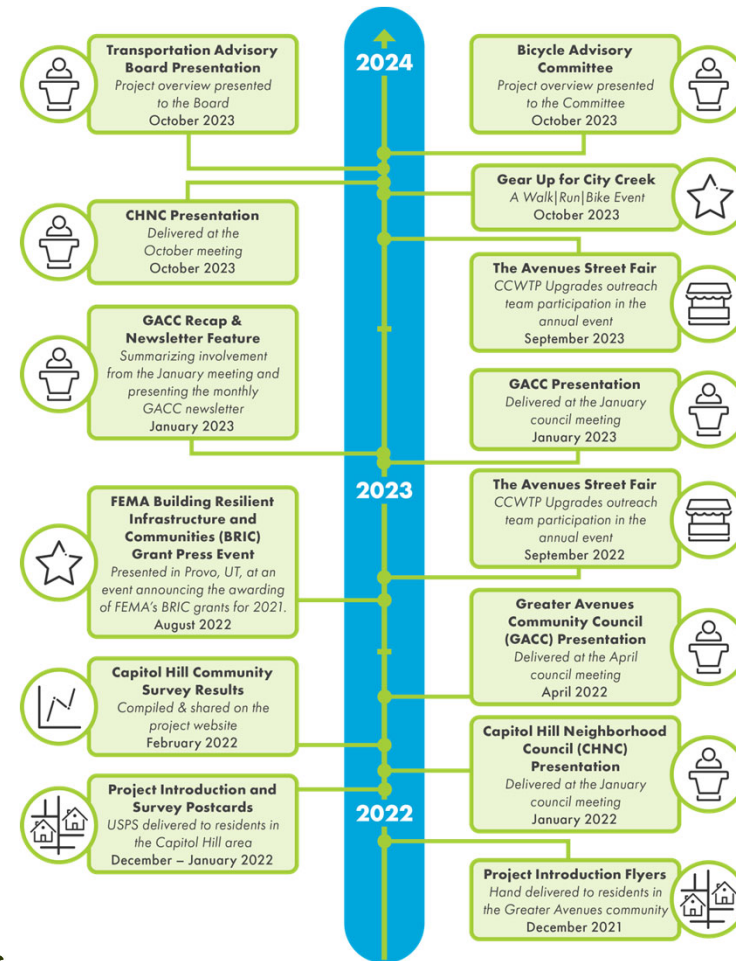
**Construction schedules subject to change due to utility, weather, and equipment delays.*

Project Budget to date

- Getting from Jared

Public Engagement

- 2024
 - Text Updates
 - Weekly Email Updates
 - Improved Website
 - WH Press Event
 - Community Council Presentation
- Still to come
 - Emphasis on Canyon Safety
 - Community Events



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Treatment Plant Upgrades

Project Team Contact Info

- Information Phone Line: 801-616-3336
- Email: info@keepitpurecitycreek.com
- Website: www.keepitpurecitycreek.com
- Social Media: @SLCPU
- Sign up for text updates
 - Text "CCWTP" to 833-271-7589



*Scan with your phone's
camera to visit our project
website*



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Treatment Plant Upgrades



Questions