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AGENDA

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- 1 Presentation Goals
- 2 Background on Aquifer Storage & Recovery (ASR) Project
- 3 Community Engagement and Coordination with GCDs
- 4 ASR Timeline and Next Steps
- 5 Q&A



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GOALS FOR TODAY'S PRESENTATION

- ◆ Share information about Austin's Aquifer Storage and Recovery (ASR) project
- ◆ Update on community engagement in the Lost Pines GCD area
- ◆ Answer questions about the ASR project



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ABOUT ASR: PROJECT BACKGROUND



Aquifer Storage and Recovery (ASR) is a water supply strategy to store available water for recovery and use when we need it most.

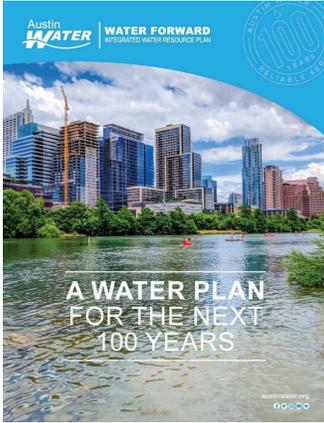


ASR is part of the Austin City Council-approved Water Forward plan, which provides a roadmap for Austin's water future for the next 100 years



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ABOUT ASR: PROJECT BACKGROUND



The Water Forward process evaluated many conservation, reuse, and supply strategies to determine an optimal portfolio of strategies to meet Austin's future water needs.



ASR was a key strategy included in Water Forward to increase drought resiliency and meet needs in times when supplies are scarce.



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ABOUT ASR: PROJECT BACKGROUND



Other cities around the US and here in Texas are already using ASR systems, including San Antonio, El Paso, and Kerrville.



In 2021, Austin Water (AW) began a study to determine aquifers in our region that would be suitable for AW's ASR project.

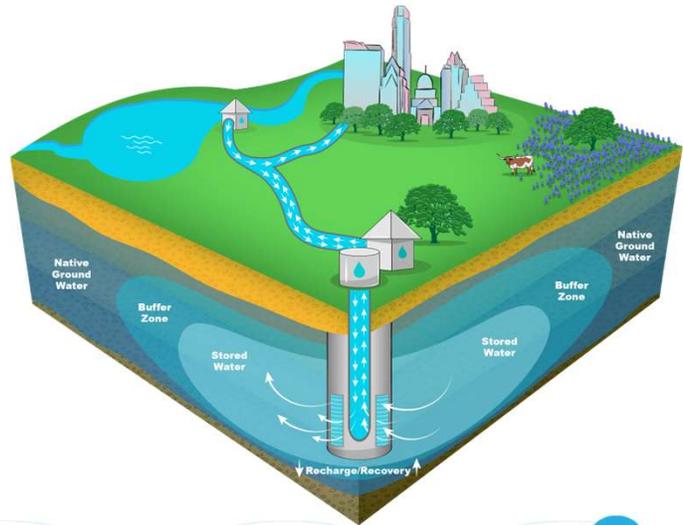


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ABOUT ASR: HOW IT WORKS

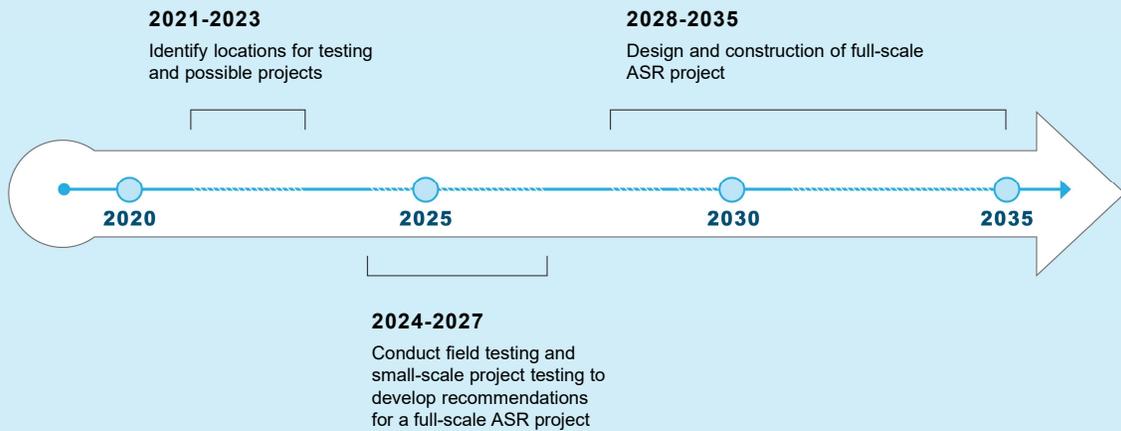


- Available water from Austin's drinking water system is pumped into an aquifer underground for storage when water supplies are plentiful.
- Water is stored until it is needed, such as during a severe drought.
- Austin's ASR project will not recover more water than Austin previously stored in the aquifer.

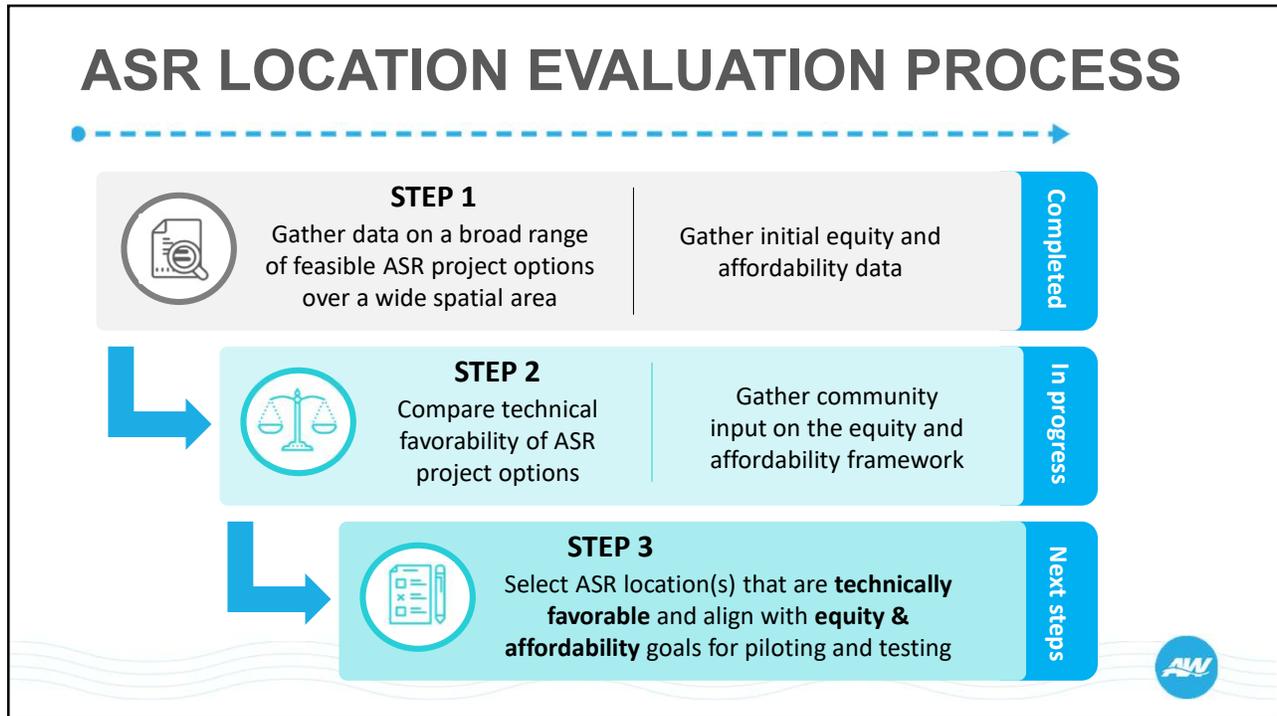


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ABOUT ASR: PROJECT TIMELINE



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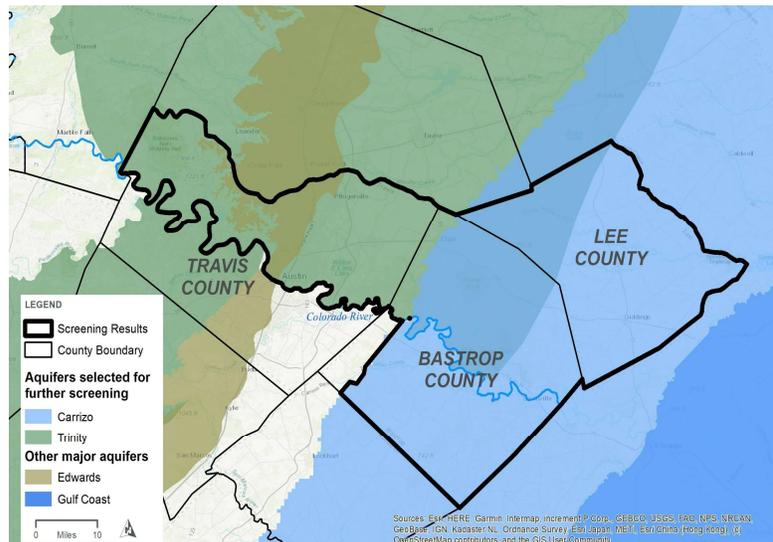
ABOUT ASR: FINDING FAVORABLE AQUIFERS

- Current phase of work is to identify potential locations for an ASR project
- Looked over a broad area to determine favorable aquifer areas for ASR

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RESULTS: FAVORABLE AQUIFER AREAS

- Carrizo-Wilcox and Trinity aquifers in Travis, Bastrop, and Lee Counties
- Perform focused desktop analyses in these areas to identify potential ASR sites



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COMMUNITY ENGAGEMENT: LOST PINES GCD AND OTHER AREAS

- A key goal of the ASR project is to be a good neighbor
- Working to engage with the community in Lost Pines GCD and other areas
- Community input will be a factor in evaluating ASR options

Equity and
affordability
workshops

Evaluation
criteria
workshops

Outreach to
local
community
organizations

Outreach to
local
government

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ASR: NEAR THE ASR WELLFIELD



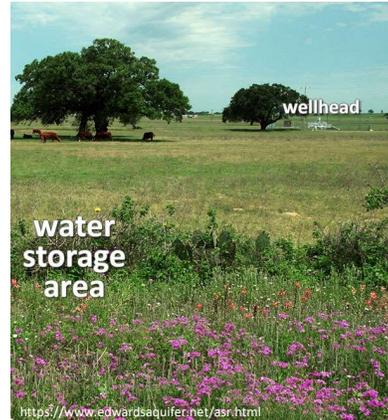
To protect stored water, the land over ASR would be protected and preserved.



Although well levels may fluctuate, ASR ultimately adds water to the aquifer since it would recover less water than was previously stored.



Project will consider mitigation strategies for local communities near ASR infrastructure.



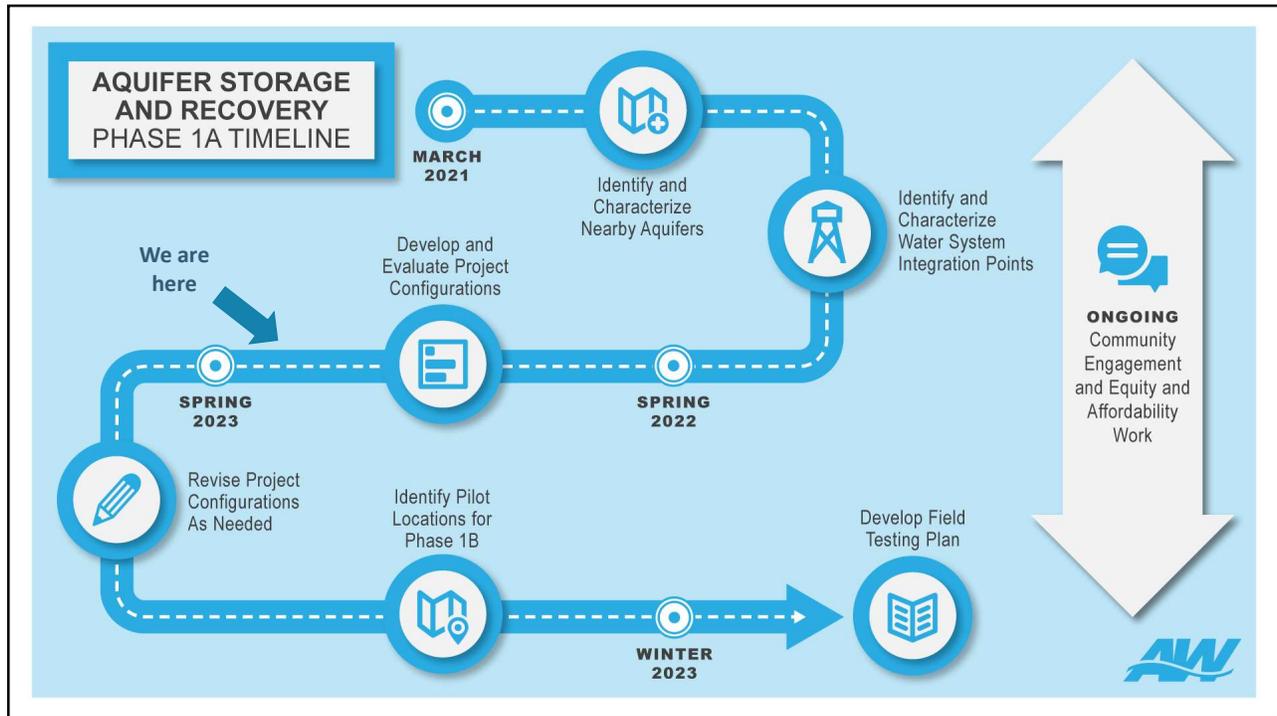
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ASR: COORDINATION WITH GCDS

- ◆ Information sharing with Lost Pines and Post Oak Savannah GCDs
- ◆ New ASR requirements in line with state requirements included in Lost Pines GCD rules
 - Reporting requirements
 - Pumping limited to what was previously stored and is recoverable from ASR
- ◆ Ongoing communication with GCDs as project continues



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QUESTIONS?

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More information available at:
AustinTexas.gov/ASR

Austin **WATER**

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