



WATER PURIFICATION PLANT EXPANSION

Community Update

September 13, 2022



Central Harris County
Regional Water Authority



Safety Moment

Work on the Northeast Water Purification Plant expansion is considered essential so our team has continued to operate since the pandemic began:

We are wearing masks, washing our hands and spacing out staff;

And, remarkably, our team has worked over **7.2 million construction manhours without any accident** that would cause someone to not be able to return back to work immediately.



Safety Moment

SOCIAL DISTANCING

Social distancing is the practice of reducing close contact between people to slow the spread of infections or diseases. Social distancing measures include limiting large groups of people coming together, closing buildings and canceling events.

AVOID

- Athletic Events
- Church Services
- Concerts
- Crowded Stores
- Group Gatherings
- Malls
- Non-essential Workers in Your House
- Playdates
- Theater Outings
- Traveling
- Sleepovers
- Workouts in Gyms
- Visitors in Your House

KEEP YOUR DISTANCE

Keep at least 6' - 8' between yourself and others

- Pick Up Medications
- Playing in a Park
- Visit a Grocery Store
- Visit a Local Restaurant to Get Take Out

SAFE TO DO

- Clean Out a Closet
- Cook a Meal
- Family Game Night
- Go for a Drive
- Go for a Hike
- Group Video Chats
- Listen to Music
- Stream a Favorite Show
- Take a Walk

We are committed to keeping our workers and our neighbors safe during the pandemic.

We have been holding our public meetings by webinar, rather than in person, since 2020.

PLEASE RESPOND TO THE SURVEY QUESTION TONIGHT ABOUT YOUR PREFERENCE OF FUTURE MEETINGS BEING IN PERSON OR HELD VIRTUALLY.



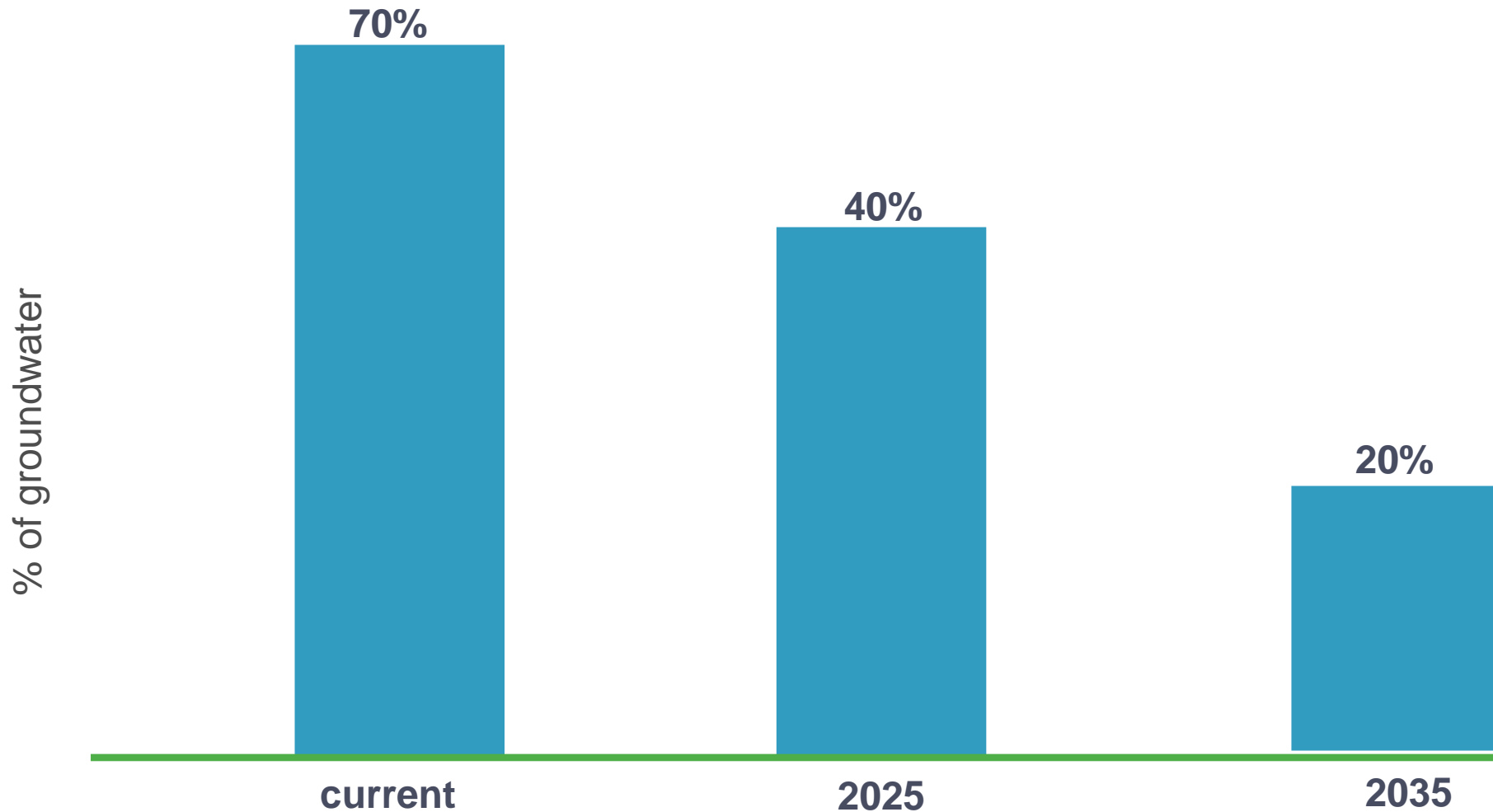
WE REMAIN IN COMPLIANCE WITH THE CENTER FOR DISEASE CONTROL (CDC) GUIDELINES

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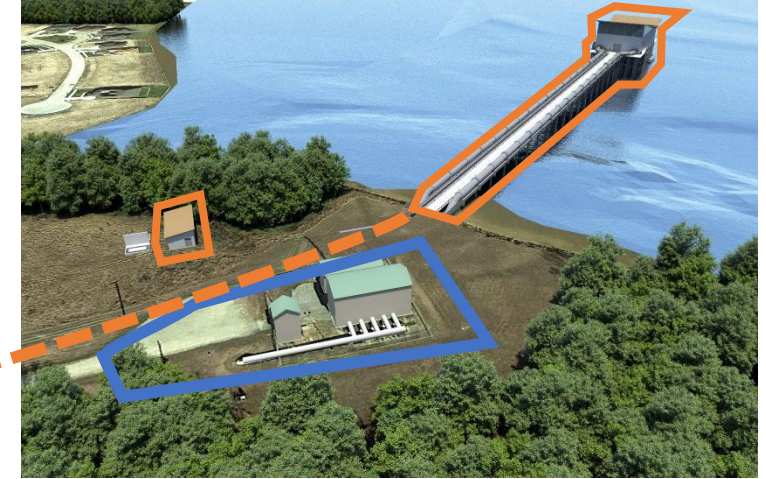
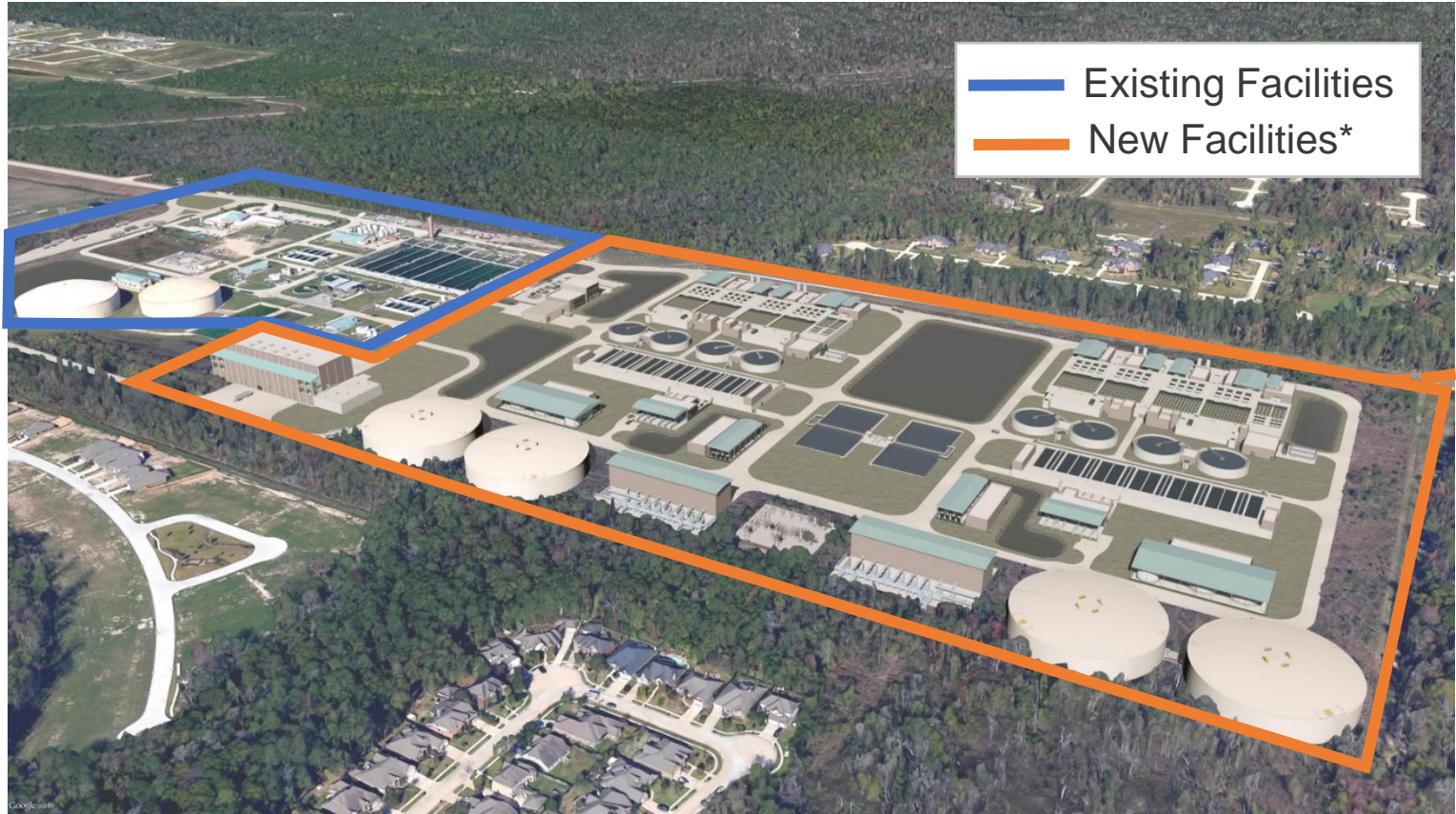
Project Background

MAXIMUM GROUNDWATER USE



this requirement pertains to the Area 3 of the Harris Galveston Subsidence District and Area A of the Fort Bend Subsidence District

Northeast Water Purification Plant



Intake Pump Station

Raw Water Pipelines

Treatment Facilities

* new facilities shown are renderings of the completed project

Progress to Date

Lake Houston Intake Pump Station



Construction of the storm detention pond is complete

Lake Houston Intake Pump Station



The final construction details at the Intake Pump Station are being completed

Raw Water Pipeline Corridor



Storm drains
have been
completed

Chemical pipe
testing has been
completed

Plant Site Construction



What's Next

Lake Houston Intake Pump Station

Testing of the Intake Pumps and ancillary systems will continue

Permanent power will be connected to the existing Raw Water Pump Station

Security fence will be installed at the Pump Station



Raw Water Pipeline Corridor

Construction will begin on the North tunnel under W. Lake Houston Parkway

Partial site restoration will begin



Existing NEWPP Site Improvements

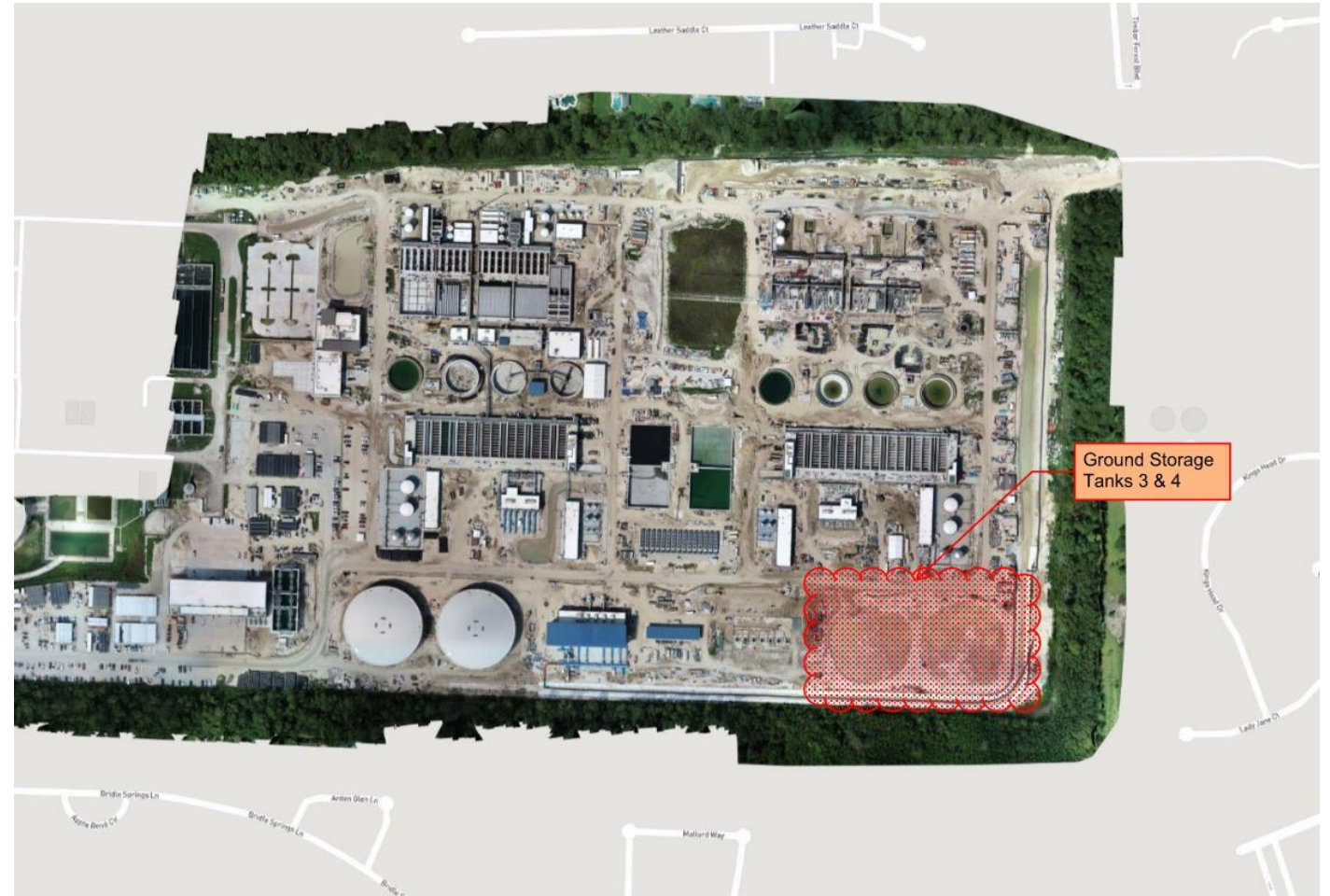


Roadway and drainage improvements will connect the existing plant site with the expansion

Plant Site Construction

East Ground Storage Tanks:

- **Construct Vibratory Stone Columns foundation**
- **Installation of underground large diameter piping**
- **Construction of tank slabs/walls next spring**



Plant Site Construction

Construction of roadways will be ongoing

Testing of major equipment such as the centrifuges and ozone generators seen here

Continue construction of additional facilities in the east half of the site

Construct the floor and begin structural steel frame of the East High Service Pump Station



Next Steps

WHAT?	WHEN? *
Intake Pump Station at Lake Houston	Complete
Beautification-Hydroseeding in Phase 1 area and intake pump station	2022 – 2023
Installation of 2 nd Tunnel under W. Lake Houston Parkway	Late 2022 – Early 2024
Corridor pipeline road restoration	2024 – 2025
Plant construction site	2025
Construction fence removal in the corridor	2025

* Dates are approximate based on current situation and subject to change.

What We've Heard & What We've Done

What We've Heard & What We've Done

How long will we be dealing with constant vibration and noise behind our homes on Arden Glen Drive:

Construction along the south portion of the site will continue through 2025 with nearest facilities north of Arden Glen Drive being operational in 2023. We continue to monitor and work to mitigate excessive vibration and noise.

What are you doing to address the dust and dirt blowing into the back yards of the homes on Leather Saddle Court:

The Contractor is continuing to monitor dust control throughout the site. A localized dust control measure (sprinkler system) has been added in this immediate area and activities are being monitored daily to mitigate dust migration.

What can be done to cut down on the Construction noise at the plant:

We are continuing to pay attention to minimizing the noise to the degree we can with sound barriers and reduced back-up alarms.

Is there an ongoing plan to keep the weeds cut around the corridor fence and the West Lake Houston Parkway intersection:

The Contractor routinely monitors site conditions and addresses issues as needed. This includes weed control, dust mitigation, site drainage, street sweeping (site and public roadways), etc.

What We've Heard & What We've Done

Question/Issue	Answer/Response
When will in-person tours resume?	We are planning on beginning in-person tours again in mid-October with COVID protocols in place, provided another surge does not happen.
What can we do if we feel our property is being damaged by the construction?	Please notify the project so we may take immediate action and, if warranted, submit a Property Damage Claim form for consideration.
When will the tall protective fence around the project be removed?	The fence is in place for safety reasons and will be removed in 2025 when the project expansion is complete and the construction is over.
There was noise coming from the Intake Pump Station at night.	Two exterior air conditioning units were running at lower than necessary temperatures to cool the inside of the building when it was first completed. One unit had a problem so we turned it off until a replacement part could be installed.
One of the buoys that protects the intake pump station has been moved closer to shore	Storms sometimes dislodge buoys so thanks to an alert neighbor we were able to put it back in it's rightful position protecting the public from entering secure space around the Intake Pump Station.

Our Good Neighbor Practice

In response to your calls, we have adopted a Good Neighbor Practice which gets reviewed at our weekly meetings. That policy includes addressing your concerns. Our goal is to be good neighbors.

Just in case.....

Damage Claims:

- If you believe you have damages greater than \$5,000 as a result of related construction activity, the City of Houston must refer your claim to the insurance carrier.
- The insurance carrier for the project will require proof that the damage was caused by the construction activity which could include requesting before and after photos.
- You may need to hire a Professional Engineer to supply a signed and sealed affidavit certifying the cause of your damage in order for your claim to be submitted for payment. It is likely the insurance carrier will involve their legal team for large claims.

What questions do you have?

Questions & Answers

You may now ask questions two ways:



- 1) Submit it in writing in the Q&A and we will read them in the order we receive them
- 2) You may select Raise Hand and we will call on you in order. You will have two minutes to ask your question, so please be succinct

The Chat function will not be utilized during this webinar. If we don't have time to get to your question, please submit it in Q&A and we will respond to you by email.

Contact us

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281-520-3777

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Please contact us at this email and phone number for faster response

Public meetings will be scheduled regularly.
Our next meeting will be held next spring.