



# 2023 JOINT REGULATORY PLAN REVIEW

## STAKEHOLDER MEETING EXECUTIVE SUMMARY

**NAME OF MEETING:** Stakeholder Meeting 4  
**DATE:** June 8, 2021  
**LOCATION:** Virtual

On Tuesday, June 8, 2021 at 10:00 am, the Harris-Galveston and Fort Bend Subsidence Districts (the Districts) held their fourth Joint Regulatory Plan Review Stakeholder Meeting. This meeting was held as a virtual meeting to comply with best practices and directions provided by the State of Texas for the ongoing COVID-19 pandemic. Numerous board members, elected officials, regional water authorities, and representatives from local, State and Federal agencies joined the meeting, with more than 40 panelists and attendees. A full list of meeting participants is included in **Attachment A**.

The purpose of this meeting was to provide project element updates from the Joint Regulatory Plan Review. Dr. Tina Petersen welcomed the stakeholders to the Districts' fourth virtual stakeholder meeting and introduced the Joint Regulatory Plan Review project team, including Jason Afinowicz of Freese and Nichols, Dr. Steven Craig of the University of Houston, Dr. Sunil Kommineni and Dr. Justin Bartlett of KIT Professionals as well as Wade Oliver of INTERA.

They provided a presentation of the following topics:

- Project status update
- Population projection methodology
- Projected water demand
- Alternative water supply availability short-listed options and preliminary findings
- Stakeholder process and opportunities for engagement

The formal presentation concluded with a review of the overall project schedule and upcoming milestones. A copy of the meeting presentation is provided in **Attachment B**.

A question and answer session was held after the presentations. A summary of the questions and responses is provided in **Attachment C**.

**ATTACHMENT A – MEETING ATTENDANCE**

<b>FIRST</b>	<b>LAST</b>	<b>AFFILIATION</b>
Jason	Afinowicz	Freese and Nichols
Mohamed	Bagha	Michael Baker International
Susan	Baird	HGSD Board Member
Justin	Bartlett	KIT Professionals, Inc.
John	Burke	John E Burke & Associates LLC
Brian	Butscher	City of Sugar Land
Chris	Canonico	HGSD Board Member
Ki	Cha	Texas Water Development Board
Jun	Chang	North Harris County Regional Water Authority
Randall	Chronister	City of ClearLake Shores (Mayor Pro Tem)
Katie	Clayton	City of Sugar Land
Steven	Craig	University of Houston
Chris	Dupree	City of Houston
John	Ellis	U.S. Geological Survey
Mark	Evans	North Harris County Regional Water Authority
William	Ferguson	City of Sugar Land
Julia	Frankovich	BGE, Inc.
Jessica	Fritsche	Brown and Caldwell
Yassin	Gallardo	Lower Neches Valley Authority
Neil	Gaynor	Montgomery County Municipal Utility District (MUD) 6
Lauren	Gonzalez	Black & Veatch
Ashley	Greuter	Harris-Galveston Subsidence District
Bob	Harden	Harden Hydrology & Engineering, PLLC
Linda	Harnist	FBSD Board Member
Kathy	Heard	
Kyle	Jones	BGE, Inc.
David	Jordan	INTERA
Ron	Kelling	San Jacinto River Authority
Sunil	Kommineni	KIT Professionals, Inc.
John	Martin	Southeast Texas Groundwater Conservation District (GCD)
Ramiro	Martinez	City of Katy
Joaquin	Martinez	
Carol	McCutcheon	City of Sugar Land City Council Member
Tom	Michel	San Jacinto River Authority
Heather	Morris	San Jacinto River Authority

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FIRST	LAST	AFFILIATION
Paul	Nelson	
Merritt	Nolte-Roth	City of Sugar Land
Laura	Norton	Montgomery County MUD Director
Greg	Olinger	Coastal Water Authority
Wade	Oliver	INTERA
Edward	Orozco	City of West University Place
Veronica	Osegueda	Houston Public Works
Paula	Paciorek	City of Houston
Tina	Petersen	Harris-Galveston Subsidence District
Alan	Petrov	HGSD Board Member
Heather	Ramsey-Cook	San Jacinto River Authority
Samantha	Reiter	Lone Star GCD
George	Rice	GRGWH
Kathy	Rogers	HGSD Board Member
Kelsey	Seeker	Harris-Galveston Subsidence District
John	Seifert	Ground Water Consultants, LLC
Shelley	Sekula-Gibbs	Director, The Woodlands Township Board
Melinda	Silva	Dannenbaum Engineering
Colleen	Spencer	City of Sugar Land
Shaun	Theriot-Smith	HGSD Board Member
Satish	Tripathi	City of Houston
Michael	Turco	Harris-Galveston Subsidence District
Robert	Valenzuela	City of Sugar Land
Alia	Vinson	Allen Boone Humphries Robinson LLP
Shirley	Wade	Texas Water Development Board
William	Wallace	FBSD Board Member
Tom	Wilshusen	Parsons
Wm	Wilson	Strata Geological Services
Susan	Young	Municipal District Services
Joe	Zimmerman	Mayor, City of Sugar Land

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***ATTACHMENT B – MEETING PRESENTATION***

## **ATTACHMENT C – Question and Answer Session**

The following summary documents questions that were received during the stakeholder meeting as well as formal responses provided for the record.

### QUESTIONS WITH RESPONSES

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**1. *Will Census tract/block level projections be made for areas outside of HGSD/FBSD, such as Montgomery County?***

Yes. Population projections will be made down to the census block level and will also consider public water system boundaries for the 10-county study area, which includes the following counties outside of Harris, Galveston, and Fort Bend Counties: Austin, Brazoria, Chambers, Liberty, Montgomery, Waller, Wharton.

**2. *Were the PRESS models recalibrated with more current data or are the older model versions just being used with new data?***

As presented in the September 30, 2020 stakeholder meeting, the PRESS models were verified to confirm the calibration of existing PRESS sites using recent GPS monitoring data from 2010 to 2020. Verification did include minor adjustments to the design hydrographs before 2010 at a few sites. No further calibration is scheduled and the intent is to move forward with the existing PRESS model.

**3. *Is the HAGM being recalibrated?***

The District is working cooperatively with the U. S. Geological Survey (USGS) and the Texas Water Development Board to develop the Gulf Coast Land Subsidence and Groundwater Flow (GULF)-2023 model which will replace the Houston Area Groundwater Model (HAGM). The GULF-2023 model offers significant advancements in groundwater flow and subsidence modeling technology.

**4. *Will the Jasper aquifer subsidence feature be modeled?***

Yes, the GULF-2023 model will be updated to better represent compaction in the Jasper aquifer.

**5. *How are you considering MUD/subdivision developments as these areas do not follow regular trends?***

The population projection methodology relies on two data sets: a near-term projection (through 2030) and long-term projections (through 2100). The near-term projections will be developed using detailed information on planned subdivisions and developments in Area provided by MetroStudy, which will provide detailed data on planned subdivision developments .

**6. *Are you going to reach out to individual municipalities to understand their actual/projected populations as well as their actual/projected usage?***

Two phases are intended for stakeholder outreach. The first phase is data gathering in which JRPR consultants will be contacting stakeholders to obtain existing water use data. This is ongoing and is anticipated to be completed by 2022. The next phase will occur in 2022 once population projections are completed in the web tool to allow for interactive feedback with stakeholders.

## QUESTIONS WITH RESPONSES

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**7. *Do cities need to develop additional surface water capacity by the 2025 mandated date?***

Please refer to the District's Regulatory plans for future conversion requirements and deadlines. For information about your specific permit please contact the District.