

The meeting will begin shortly



Please mute your microphone until called for questions.



Please disable your video unless you are speaking.



Please enter your name and title in the chat.



Please insert questions in chat or raise hand to speak.



This meeting is being recorded.



Houston-Galveston
Area Council

NATURAL RESOURCES ADVISORY COMMITTEE

AGENDA

Thursday, February 5, 2026, 1:30 PM

Hybrid In-Person/Zoom Meeting

NRAC Agenda

1. Call to Order/Welcome

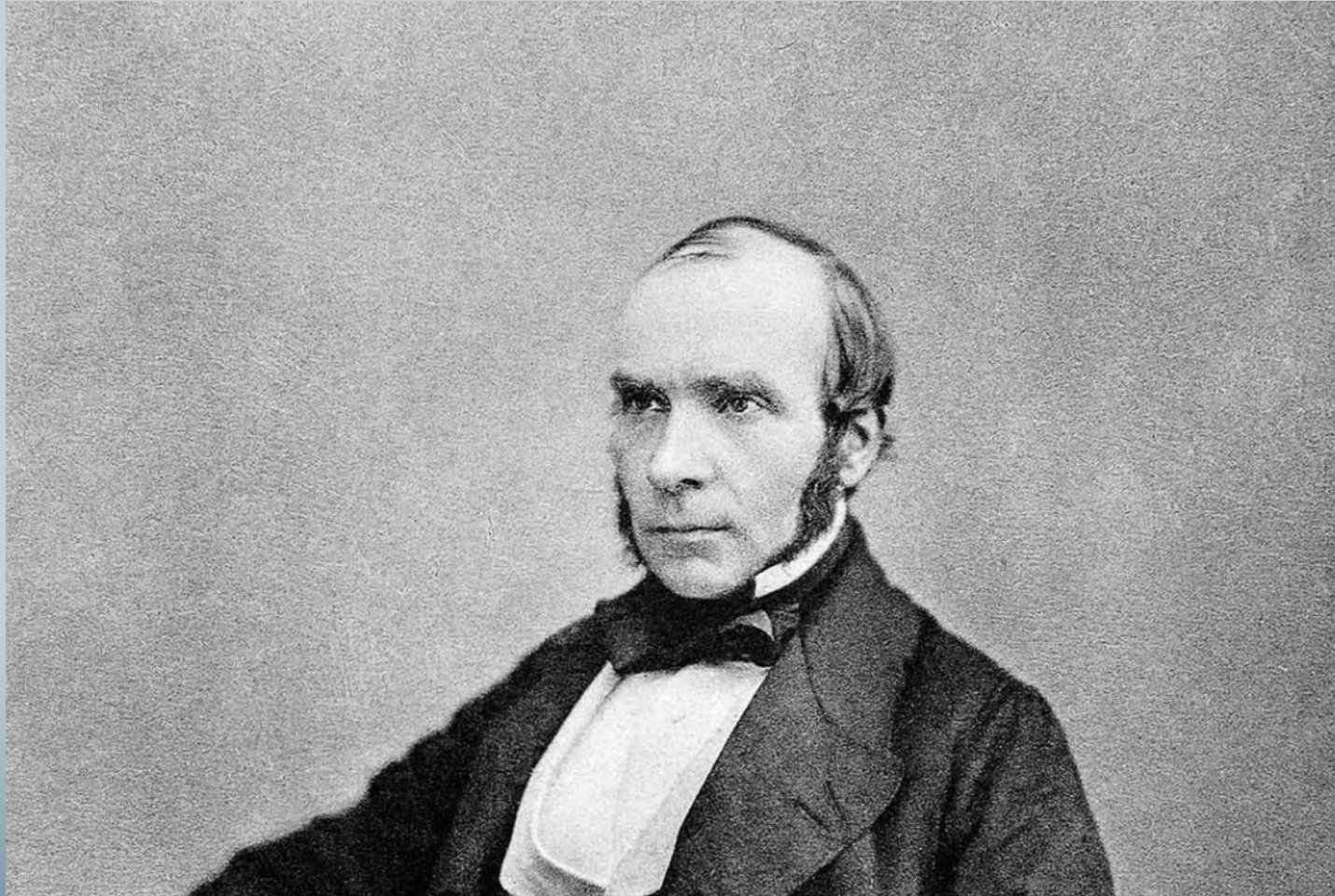
2. Warm-up

Warm- Up

The 1854 Cholera Outbreak in London

Warm- Up (continued)

John Snow in 1856



<https://www.sciencehistory.org/stories/magazine/john-snow-hunts-the-blue-death/>

Warm- Up (continued)

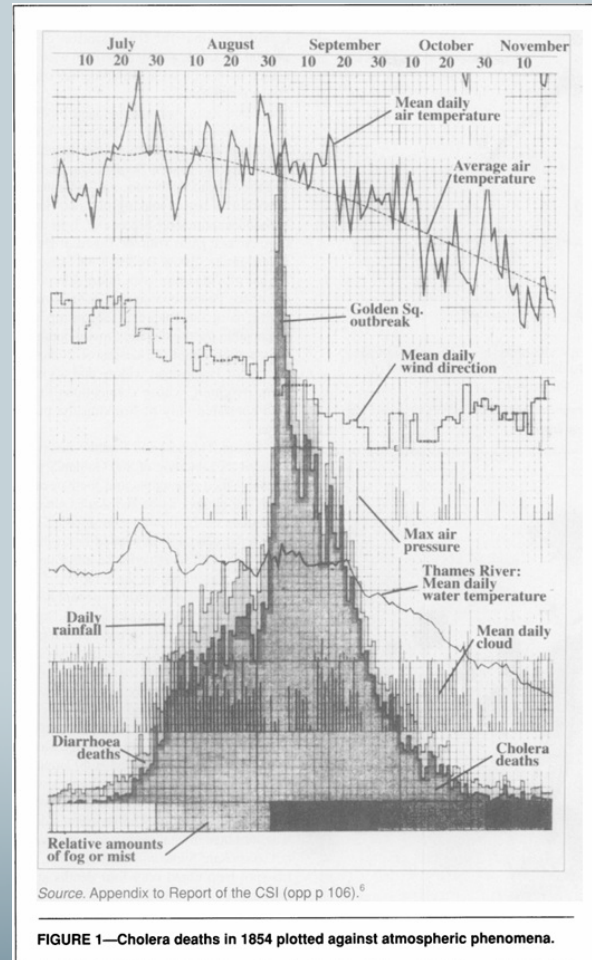
John Snow's Original Map



<https://www.londonmuseum.org.uk/collections/london-stories/john-snow-cholera-broad-street-pump/>

Warm- Up (continued)

London's Board of Health Favored the Miasma (Air-Borne) Theory



<https://pubmed.ncbi.nlm.nih.gov/9772861/>

Warm- Up (continued)

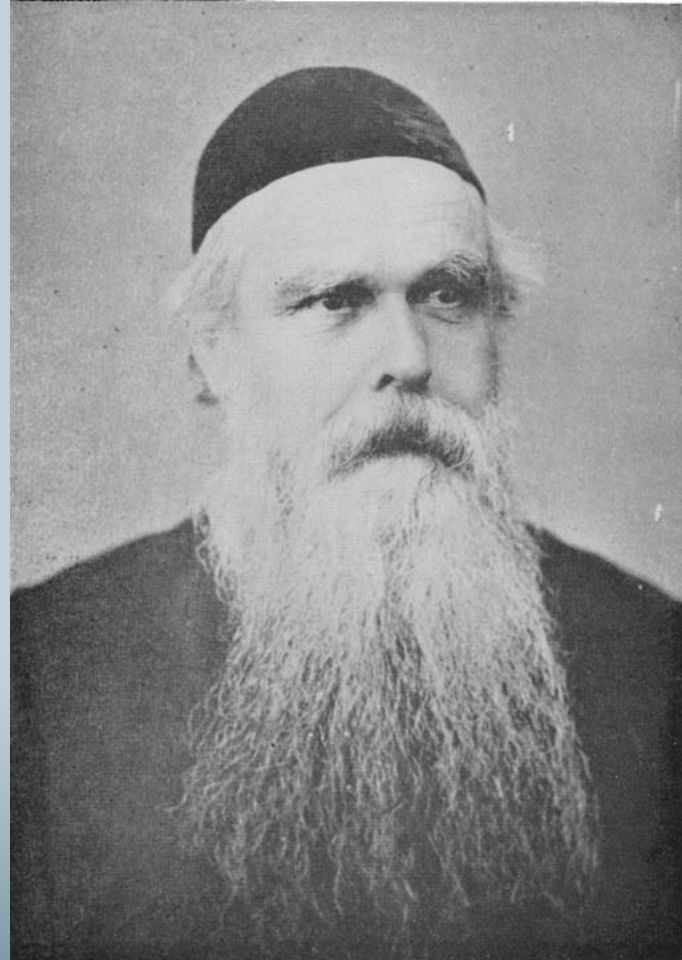
John Snow Pub and the Broad Street Pump (Replica)



<https://alondoninheritance.com/london-characters/john-snow-soho-cholera-outbreak-1864/>

Warm- Up (continued)

Henry Whitehead in 1884



[15-78-DB-22-1958Chave-HWandBrSt.pdf](#)

Warm- Up (continued)

How to Get Speedy Government Action: The Great Stink of 1858



<https://www.youtube.com/watch?v=SDhnPYaZQ-w>

Warm- Up (continued)

References for John Snow, Cholera, and the Broad Street Pump

Tulchinsky, Theodore H (2018), “John Snow, Cholera, the Broad Street Pump; Waterborne Diseases Then and Now”, in Case Studies in Public Health, pp 77–99, Academic Press. [10.1016/B978-0-12-804571-8.00017-2](https://doi.org/10.1016/B978-0-12-804571-8.00017-2)

Paneth N, Vinten-Johansen P, Brody H, and Rip M (1998) “A Rivalry of Foulness: Official and Unofficial Investigations of the London Cholera Epidemic of 1854”, American Journal of Public Health 88:1545-1553. <https://pubmed.ncbi.nlm.nih.gov/9772861/>

Chave, SPW (1958), “Henry Whitehead and Cholera in Broad Street”, Medical History 2:92-110. <https://johnsnow.matrix.msu.edu/documentUploads/15-78-DB/15-78-DB-22-1958Chave-HWandBrSt.pdf>

Chave, SPW (1958), “John Snow: The Broad Street Pump and After” The Medical Officer 99:347-349. https://johnsnow.matrix.msu.edu/documentUploads/15-78-DA/15-78-DA-22-Chave_JS-BroadStPump.pdf

The John Snow Pub and the Broad Street Pump
“John Snow and the Soho Cholera Outbreak of 1854”
<https://alondoninheritance.com/london-characters/john-snow-soho-cholera-outbreak-1864/>

Original John Snow Map (1854), London Museum
“John Snow: Cholera & the Broad Street Pump”
<https://www.londonmuseum.org.uk/collections/london-stories/john-snow-cholera-broad-street-pump/>

Lienhard, John H (1999), “Germs”, The Engines of our Ingenuity Episode 1490.
<https://engines.egr.uh.edu/episode/1490>

The London Museum, “The Great Stink of 1858” (undated)
<https://www.londonmuseum.org.uk/collections/london-stories/great-stink-of-1858/>

NRAC Agenda (continued)

3. Introductions

4. Certify Quorum

A quorum of 12 is required to conduct committee business.

5. Approve Meeting Report

Request approval of November 6, 2025 meeting report.

NRAC Agenda (continued)

6. Membership

H-GAC staff will provide a brief status update on membership.

NRAC Agenda (continued)

7. Environmental Committee Highlights

Coordinators for H-GAC environmental committees will provide information on activities and updates from the past quarter.

- Regional Flood Management Committee
- Solid Waste Management Committee

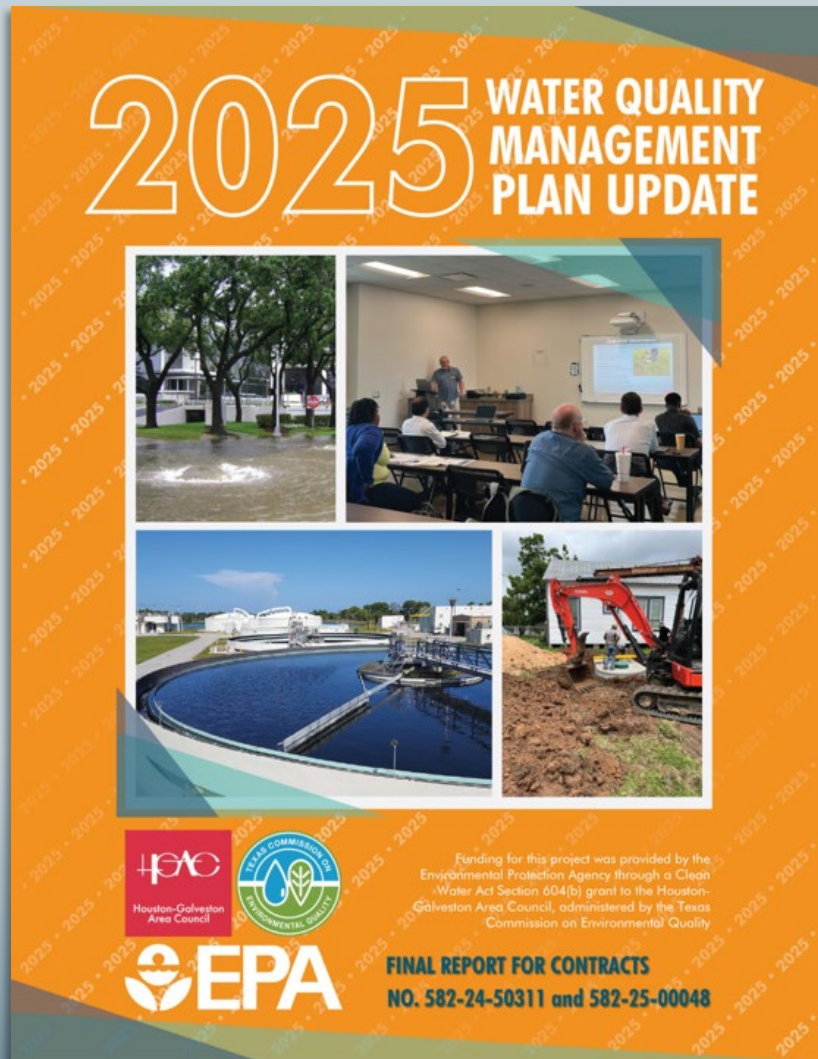
NRAC Agenda (continued)

8. Environmental Program Highlights

H-GAC Staff will highlight Community & Environmental Planning projects to seek comment and feedback from Committee members.

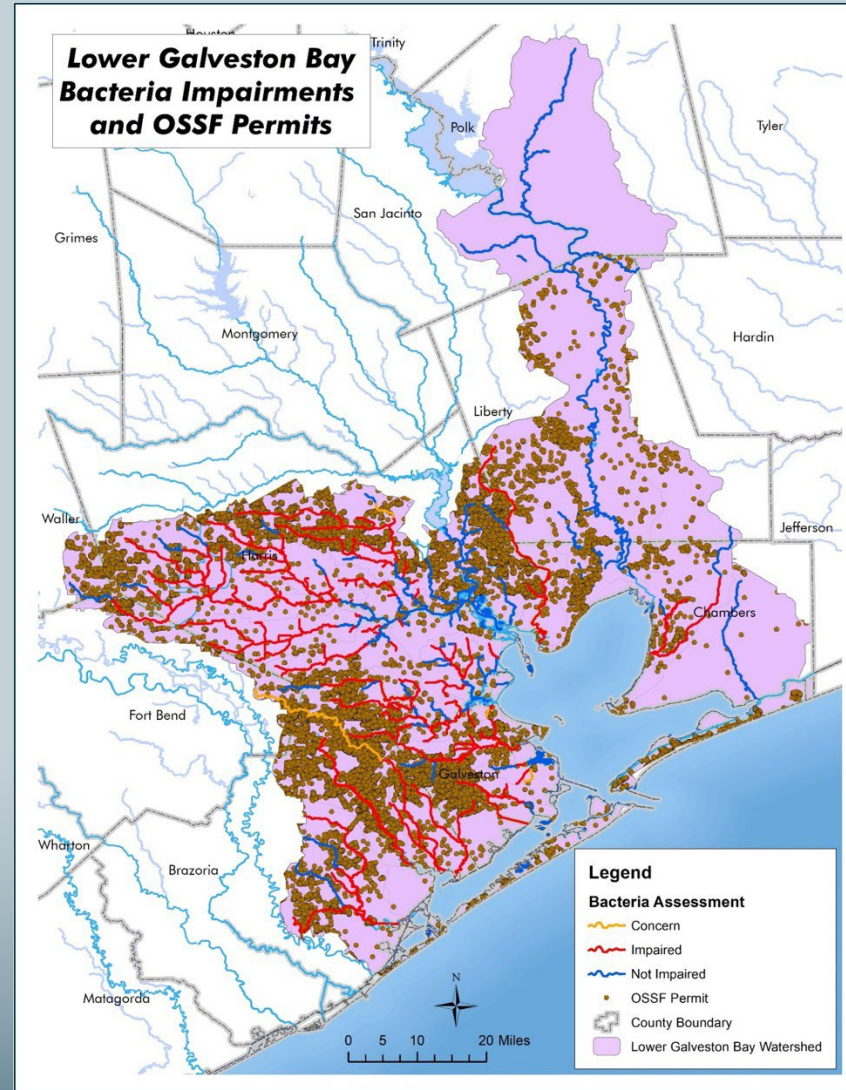
- WQMP Section Review (Rachel Windham)
- OSSF Repairs & Replacements in Vulnerable Communities (Bill Ervin)
- TMDL and EPA Project Updates (Steven Johnston)
- WPP Updates (Rachel Windham)
- Trash Bash 2026 Reminder (Rachel Windham for Kendall Guidroz)
- Parks and Natural Areas Update (Andrea Tantillo)

WQMP Section Review

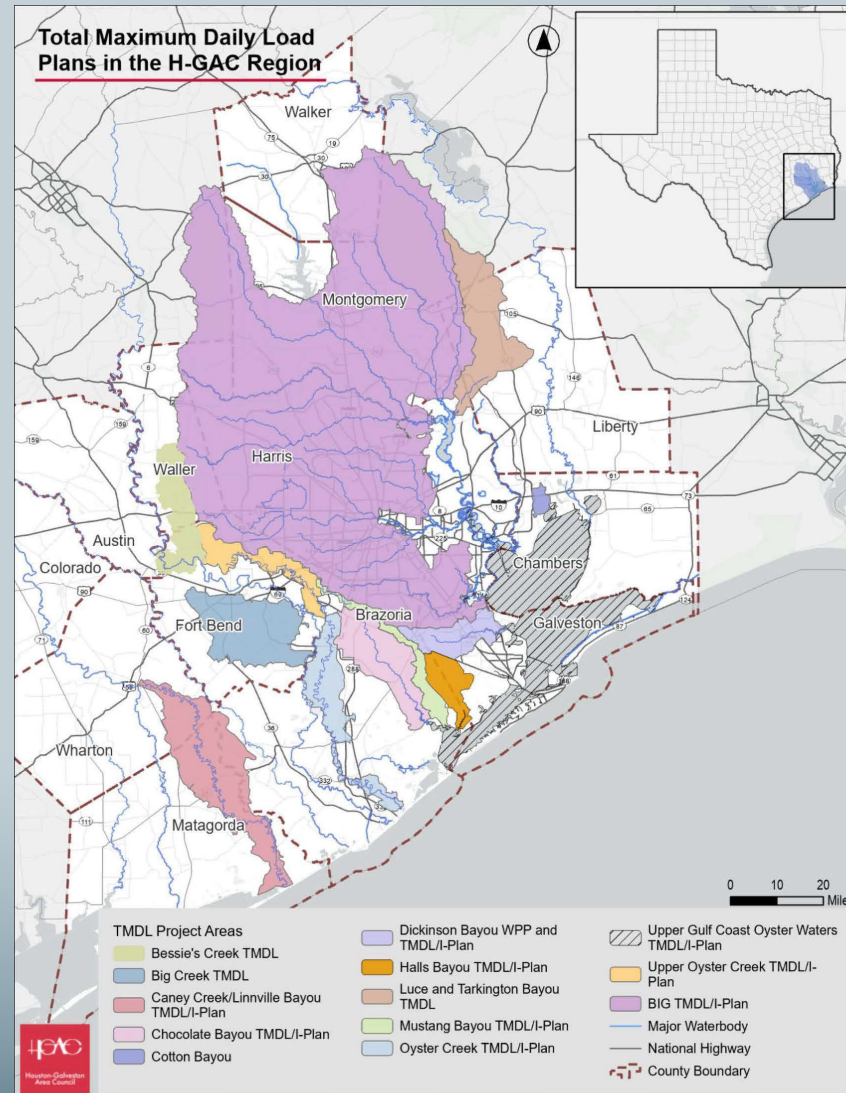


- H-GAC conducts annual updates to a water quality management plan (WQMP) for the 13-county Houston-Galveston Region as part of a Clean Water Act Section 604(b) grant program
- Each summer, the NRAC is tasked with reviewing this plan to decide whether to recommend it for H-GAC's Board of Directors to approve to submit to the Texas Commission on Environmental Quality (TCEQ)
- Once accepted by TCEQ, the update is incorporated into the State's Water Quality Management Plan
- Primary objectives:
 - Wastewater Infrastructure Data Update and Coordination
 - Conformance Review for Clean Water State Revolving Fund Projects
 - Support Watershed Planning
 - On-Site Sewage Facility (OSSF) Planning, Support, and Outreach Activities
 - OSSF Mapping Tool Expansion Feasibility

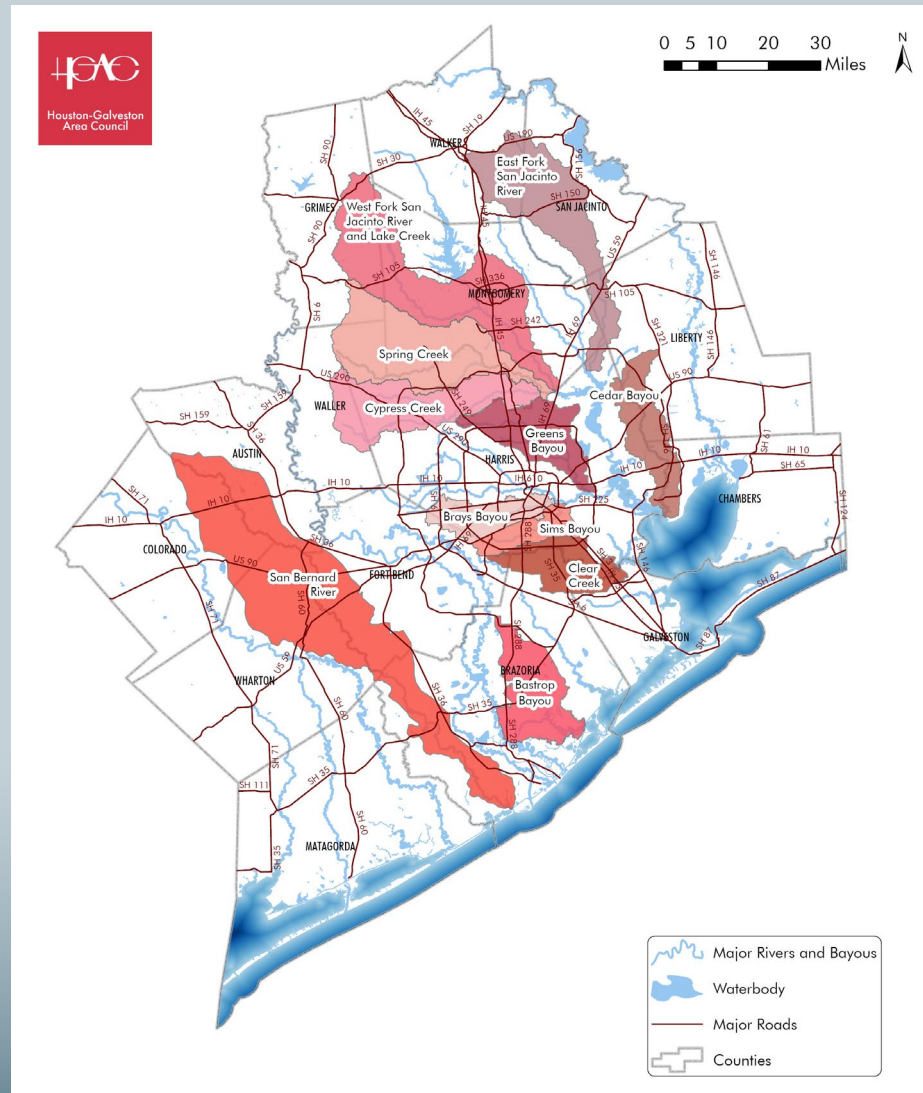
OSSFs in Vulnerable Communities



TMDL and EPA Projects



WPP Projects



Trash Bash 2026



RIVER, LAKES
BAYS 'N BAYOUS TRASH BASH®

LET'S

"Clean It Like
You Mean It!"®

SATURDAY, MARCH 28, 2026



Register Today!



* Find event information, cleanup locations, and registration links on the Trash Bash® website. All participants must complete a waiver form.



www.TrashBash.org

Parks and Natural Areas



PARKS & NATURAL AREAS

The Parks and Natural Areas Roundtable serves as a forum for discussion of parks and natural areas across the region.

For more information or to be added to the mailing list, contact Andrea Tantillo at andrea.tantillo@h-gac.com

www.h-gac.com/parks



SHARE IDEAS

We meet the second Monday of March, July, and September from 2 to 4 p.m. at HGAC.

LEARN SOMETHING NEW

We visit parks around the region for guided tours in the spring and fall.

CELEBRATE SUCCESS

We honor projects that serve as models on how parks and natural areas can improve water quality, habitat, and quality of life.



The Houston-Galveston Area Council is the regional organization through which local governments consider issues and cooperate in solving area-wide problems. The 13 counties in HGAC's service region are Austin, Brazoria, Chambers, Colorado, Fort Bend, Galveston, Harris, Liberty, Matagorda, Montgomery, Walker, Waller, and Wharton. The Parks and Natural Areas Roundtable meets at 3555 Timmons Lane, Houston.

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NRAC Agenda (continued)

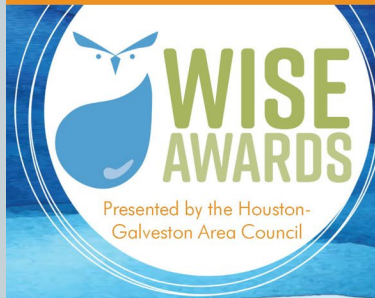
9. Subcommittees

Water Innovation Strategies of Excellence Subcommittee

Staff coordinator, Rachel Windham, will provide an update on the status of the Water Innovation Strategies of Excellence Awards and future action.

WISE Awards

APPLY FOR THE 2026 WISE AWARDS



Presented by the Houston-Galveston Area Council

Applications open on
Monday, March 2, 2026
and close on
Friday, April 3, 2026.



Visit h-gac.com/wise-awards to
nominate a project, program, or individual.

ABOUT

The Water Innovation Strategies of Excellence (WISE) Awards recognize innovative projects, programs, or individuals in the Houston-Galveston region that serve as models for improving and protecting water resources.

This program is overseen by the Natural Resources Advisory Committee, an advisory committee to the Houston-Galveston Area Council Board of Directors.

ELIGIBILITY

Eligible applicants include:

- Local governments
- Businesses
- Non-profit organizations
- Universities and educational institutions
- Utility districts
- Individuals

Projects, programs, or efforts in Austin, Brazoria, Chambers, Colorado, Fort Bend, Harris, Galveston, Liberty, Matagorda, Montgomery, Walker, Waller, and Wharton counties are eligible for recognition.

Joint applications for larger collaborative efforts are encouraged, but not required.

CATEGORIES

The 2026 WISE Awards honor projects, programs, or individuals demonstrating innovation and excellence for protecting and improving water resources through any of the following:

- Planning and policy
- Education and public awareness
- Completed effort (greater than \$200,000)
- Completed effort (less than \$200,000)
- Research and monitoring
- Program performance
- Individual excellence

AGREEMENT

There is no entry fee for the WISE Awards. By submitting a project, the applicant agrees all contest materials may be used in presentations and publications developed by the Houston-Galveston Area Council without further acknowledgement. Selected projects may be featured on the Houston-Galveston Area Council website and social media channels.

FIND OUT MORE

Additional details, including application requirements and scoring criteria, are available at h-gac.com/wise-awards. Contact Rachel Windham at rachel.windham@h-gac.com for more information.

h-gac.com/wise-awards



NRAC Agenda (continued)

10. Topic of the Day

Colleen Gilbert with the Greens Bayou Coalition will share some background about the organization and highlight recent projects working toward making the Greens Bayou corridor a wonderful, healthy place to live, work and play.



NRAC Agenda (continued)

11. Roundtable Discussion

NRAC members can bring up issues of import and/or interest for edification and/or discussion at this time. Please take advantage of this agenda item.

2026 State of the Bay Symposium – Feb. 24-25

What: 2026 State of the Bay Symposium

When: Tuesday-Wednesday February 24-25, 2026

Where: Moody Gardens Hotel and Convention Center, Galveston

Register at:

<https://gbep.texas.gov/>



Galveston Bay Estuary Program <https://gbep.texas.gov/>

The **Galveston Bay Estuary Program** coordinates the **State of the Bay Symposium** to provide an opportunity for stakeholders to interact and share environmental policy and management successes, report the latest monitoring and research findings, and illuminate the challenges facing Galveston Bay.

NRAC Agenda (continued)

12. Public Comment

Members of the public can sign up to public comment. Three minutes allotted for each public comment.

NRAC Agenda (continued)

13. Next Meeting Date

Unless otherwise notified, the next scheduled meeting is:

Thursday, May 7, 2026 from **1:30** to **3:30 p.m.**

If recommended, we will be testing
this meeting as an **in person only** event.

14. Adjourn