

CARBON MANAGEMENT DIALOGUE

GREATER HOUSTON REGION

A CONVERSATION ABOUT DIRECT AIR CAPTURE
AND CARBON CAPTURE, TRANSPORT, AND
STORAGE IN THE GREATER HOUSTON AREA

NOVEMBER 16 - 17, 2023

RICE UNIVERSITY
BIOSCIENCE RESEARCH COLLABORATIVE

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This is the first of two events: a community listening / shared learning session that will help us co-develop an agenda for a Spring 2024 carbon management community workshop.

The proposed goals of the first event are to:

- Give fence line community members and/or representatives a platform to voice their questions and concerns about proposed carbon management infrastructure to researchers, developers, regulators, local governments, and to the DOE.
- Objectively examine what we know and don't know about carbon management efficacy, safety, and other environmental impacts; discuss existing and proposed regulatory and oversight processes for carbon management.
- Give the DOE, Harris County, the City of Houston, and Rice University an opportunity to provide their perspectives on how carbon management can build on Houston's current climate initiatives while also ensuring that communities and other impacted stakeholders are at the center of those efforts.
- Create durable/enduring bridges between all stakeholders (community, industry, policymakers, government, academia, regulators) for reliable and sustained communication and support an informed and equitable energy transition in and around Houston.
- Create a space for objective two-way learning and a well-informed discussion of carbon management (with a focus on CCS & DAC) in the context of climate change.
- Facilitate a productive question-and-answer session between community organizations, project planners, and regulators.
- Document issues and perspectives brought forth by community members during the summit to inform an impactful agenda for the Spring 2024 workshop.

GOALS

AGENDA

NOVEMBER 16TH

6:00 - 8:30 pm

5:30 pm Doors Open and Refreshments Served

6 pm Climate Now Icebreaker

- James Lawler

6:10 pm Welcome Remarks

- President Reginald DesRoches, Rice University
- Mayor Sylvester Turner
- Assistant Secretary Brad Crabtree, U.S. Department of Energy
- Reverend James Caldwell, Coalition of Community Organizations

6:25 pm Table Setting

- Scott Anderson, Environmental Defense Fund
- Jennifer Hadayia, Air Alliance Houston

6:40 pm Questions

6:50-7:05 pm Proposed Projects in Houston

- William Aljoe, U.S. Department of Energy
- Gregory Dierkers, Office of Clean Energy Demonstrations
- Matt Tejada, U.S. Environmental Protection Agency

7:05-7:15 pm Questions

7:15-8:30 pm Listening Session

- Dr. Denaë King, Bullard Center for Environmental and Climate Justice

Air Quality

- Leticia Gutierrez, Air Alliance Houston
- Jane Stricker, Houston Energy Transition Initiative
- John Thompson, Clean Air Task Force

Pipeline Safety

- Bill Lowry, Pipeline and Hazardous Materials Safety Administration
- Keith Grimes, Texas Railroad Commission
- Andy Martinec, Texas Railroad Commission
- Paige Powell, Commission Shift

Groundwater and Seismic Impacts

- William Aljoe, U.S. Department of Energy
- Sharon Newman, Environmental Protection Agency, Office of Ground & Drinking Water
- Dr. Sue Hovorka, University of Texas, Austin
- Donna Thomas, Fort Bend County Environmental Organization
- Environmental Protection Agency Representative

AGENDA

NOVEMBER 17TH

8:00 am - 3:30 pm

8:30-8:35 am Climate Now Introductory Remarks

- James Lawler

8:35-8:40 am Public Awareness of Carbon Management: An Update from the November 16th Dialogue

- John Hall, Houston Advanced Research Center

8:40-8:50 am Welcome and Reflections

- Reverend James Caldwell, Coalition of Community Organizations
- Assistant Secretary Brad Crabtree, U.S. Department of Energy

8:50-9:15 am Local Engagement Study Discussion

- John Hall, Houston Advanced Research Center (Moderator)
- Celina Scott-Buechler, Data for Progress
- Alex Spike, Air Alliance Houston
- Donna Thomas, Fort Bend County Environmental Organizations

9:15-9:20 am Mayor Turner Address

- Mayor Sylvester Turner

9:20-9:35 am Carbon Management 101: What is Carbon Management, CCS, CDR, DAC, Transport, Storage?

- Dr. Sue Hovorka, University of Texas, Austin
- Dr. Ramanan Krishnamoorti, University of Houston

9:35-10:15 am Community Engagement Examples

- Lance Albin, United Association
- Tracy Evans, CapturePoint Solutions
- Lisa Lohman, Vernon Parish School Board
- Kelli Roemer, U.S. Department of Energy
- Vernon Travis, Vernon Parish School Board
- Sherry Tucker, CapturePoint Solutions

10:15-10:25 am Questions










10:25-10:35 am 15 CCUS Policy Principles for Responsible Carbon Management

- Paige Powell, Commission Shift

10:35-10:45 am Program Break

AGENDA

NOVEMBER 17TH
8:00 am - 3:30 pm

Topic	Location	Session	Session	Session
		1	2	3
Risks and Benefits	2nd Floor Lecture Hall			
Community Engagement	Exhibition Space			
Laws and Regulation	Auditorium			

10:45-11:45 Breakout Session 1

Breakout sessions will be conducted in the Auditorium, 2nd Floor Lecture Hall and the Event/Exhibition Space to allow for more interaction and conversation. Attendees will rotate through sessions based on the color on your badge. Please refer to the above table for the location of each breakout session.

Risks and Benefits

- Cecilia Behgam, Texas Climate Jobs Project
- Dan Cohan, Rice University
- Jen Hadayia, Air Alliance Houston
- Susan Hovorka, UT Austin
- Jane Stricker, Houston Energy Transition Initiative

Community Engagement

- Rev. James Caldwell, Coalition of Community Organizations
- Dr. Denae King, Bullard Center for Environmental and Climate Justice
- Ugbaad Kosar, Carbon180

Laws and Regulation

- Bill Lowry, Pipeline and Hazardous Materials Safety Administration
- Ken Medlock, Rice University
- Ken Mills, Texas General Land Office
- Paige Powell, Commission Shift
- Leslie Savage, Texas Railroad Commission
- Environmental Protection Agency Representative

11:45 - 1pm Lunch in Event/Exhibition Space

1-2:00 pm Breakout Session 2

2-2:15 pm Program Break

2:15-3:15 pm Breakout Session 3

3:15-3:30 pm Climate Now Closing Remarks

- James Lawler

PARTNERS

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Climate Now is a multimedia company whose mission is to provide policy makers, industry leaders, investors, advocacy groups and the public with the scientific, policy and economic information necessary to make good decisions about mitigating and adapting to climate change. We develop accessible, expert-driven content about climate change and the clean energy transition, and facilitate opportunities for education and community engagement on these topics. Our team has wide-ranging expertise in emerging clean energy technologies, climate change mitigation strategies, and the societal and environmental impacts of both. We produce podcasts, videos, articles, websites, public lectures and events.



The Mayor's Office of Resilience and Sustainability (MORS) is responsible for implementing the Resilient Houston Plan and the Houston Climate Action Plan (CAP). The plans provide a clear framework to foster the growth of a Houston that is both a healthy place to live, as well as an equitable, inclusive, and affordable city that leads in climate mitigation and adaptation and offers a transformative economy that builds forward.



Boasting a 300-acre tree-lined campus in Houston, Rice University is ranked among the nation's top 20 universities by U.S. News & World Report. Rice has a 6-to-1 undergraduate student-to-faculty ratio, and a residential college system, which supports students intellectually, emotionally and culturally through social events, intramural sports, student plays, lectures series, courses and student government. Developing close-knit, diverse college communities is a strong campus tradition, which is why Rice is highly ranked for best quality of life and best value among private universities.



U.S. DEPARTMENT OF **ENERGY** | Fossil Energy and Carbon Management

The mission of the Office of Fossil Energy and Carbon Management is to minimize the environmental and climate impacts of fossil fuels and industrial processes while working to achieve net-zero emissions across the U.S. economy. The Office's programs use research, development, demonstration, and deployment approaches to advance technologies to reduce carbon emissions and other environmental impacts of fossil fuel production and use, particularly the hardest-to-decarbonize applications in the electricity and industrial sectors. The Office recognizes that global decarbonization is essential to meeting climate goals and works to engage with international colleagues to leverage expertise in these areas. The Office is also committed to improving the conditions of communities impacted by the legacy of fossil fuel use and to supporting a healthy economic transition that accelerates the growth of good-paying jobs.

DOE is sponsoring the Summit under Award Number DE-FE0032356

- AIR ALLIANCE HOUSTON
- BULLARD CENTER FOR ENVIRONMENTAL AND CLIMATE JUSTICE
- COALITION OF COMMUNITY ORGANIZATIONS
- COMMISSION SHIFT
- CARBON180
- DATA FOR PROGRESS
- ENVIRONMENTAL DEFENSE FUND
- FORT BEND COUNTY ENVIRONMENTAL ORGANIZATION
- HOUSTON ADVANCED RESEARCH CENTER
- PUBLIC CITIZEN
- TEXAS GENERAL LAND OFFICE
- TEXAS RAILROAD COMMISSION
- UNIVERSITY OF HOUSTON
- UNIVERSITY OF TEXAS, AUSTIN

PARTICIPATING ORGANIZATIONS