



Private Market Symposium: Energy

Houston, TX | November 2022

Tuesday, November 15, 2022:

7:30 – 8:00 am: **Registration Opens, Buffet Breakfast & Networking**

8:00 – 9:00 am: **Introductions**
Warren A. “Art” Barrett II, ACEC Chair 2022-2023, Senior Vice President, Gannett Fleming

Long-term Economic Trends and the Energy Industry

Dr. Carey King, Assistant Director of the Energy Institute & Research Scientist at The University of Texas at Austin: Dr. Carey W King will set the stage by defining the industry and the state of the economy as it relates to the energy market. He performs interdisciplinary research related to how energy systems interact within the economy and environment as well as how our policy and social systems can make decisions and tradeoffs among these often-competing factors.

9:00 – 9:30 am: **Defining the Energy Transition**
Dr. Daniel Cohan, Associate Professor, Civil and Environmental Engineering, Rice University: Dr. Cohan will explore what is needed for a clean energy transition, including the pace of emissions reductions that is needed to mitigate climate change and the roles of energy efficiency, renewable electricity, electrification, clean hydrogen, and carbon capture in achieving those reductions.

9:30 – 9:45 am: **Networking Coffee Break**

9:45 – 10:45 am: **The Future of Hydrogen – Panel**
Brett Perlman, Chief Executive Officer, Center for Houston's Future, Inc.
Michael Cleveland, Director of Advanced Energy, Progress Rail, a Caterpillar Company
Phillip Colvin, Project Manager, Lane Power & Energy Solutions
Rafat Elahi, Regional General Manager – South Central US, Black & Veatch Corporation

- Center for Houston’s Future will discuss the U.S. Department of Energy’s plans for \$8 billion in funding for clean energy hubs across the U.S. directly from the IJJA and how Houston will respond to their RFP and what private opportunities this will create.



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- Progress Rail will share its hydrogen fuel cell project with Chevron and the locomotive and infrastructure associated.
- Lane Power will discuss the development and operations of hard rock and salt caverns for hydrocarbon storage; hydrogen storage; oil & gas cavern support facilities; and power projects with a cavern component.

10:45 – 11:15 am:

EVOLVE Houston – The Electric Revolution

Dr. Ramanan Krishnamoorti, Chief Energy Officer, University of Houston

Evolve Houston is a public-private coalition that convenes public entities, industry, and community residents to accelerate EV adoption and deliver real benefits to society through the shared values of environment, economy, and equity. Hear how the newly relaunched Evolve is working to accelerate EV adoption by bringing together public and private organizations, residents, and government. Founding members include NRG Energy, Shell, CenterPoint Energy, University of Houston and the City of Houston, TX.

11:15 am – 12:00 pm:

Decarbonizing Commercial Real Estate – Fireside Chat

Elijah. J. Williams, Executive Director, Energy Corridor District

Jesse Gary, Head of Energy Systems, BluePrint Power

Oil and gas firms are seen recently acquiring tech-based start-up firms, whose technology presents an opportunity to help decarbonize commercial real estate. The acquisitions aim to lower the cost of renewable energy and support the decarbonization of cities and carbon-intensive industries. Hear how this opportunity also helps real estate owners meet their environmental goals and give them access to new revenue streams.

12:00 – 1:30 pm:

Energy Infrastructure & Battery Storage – Fireside Chat & Luncheon

Caitlin Smith, Senior Director, Regulatory, External Affairs & ESG, Jupiter Power

Jose Beceiro, Senior Director, Global Energy 2.0 at Greater Houston Partnership

Hear from the largest battery energy storage developer in Texas on how battery storage is poised to be a game-changer in the provision of electricity. The energy-only market in Texas has seen tremendous change on both the supply and demand sides. An increasing amount of battery energy storage will enable the supply from new wind and solar resources to meet customers', from new residents to bitcoin mines, demand, even when the wind isn't blowing, and the sun isn't shining. This should fit perfectly into the "energy transition" and enable more renewable energy and a more resilient grid at the same time.

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