

Appalachian Basin's Abundant Water and Natural Gas Resources Position Region as Next AI Development Hub

PITTSBURGH, PA, UNITED STATES, May 8, 2025 /EINPresswire.com/ -- The [Appalachian Basin](#) is rapidly emerging as a prime location for artificial intelligence (AI) development centers, thanks to its exceptional water resources and vast natural gas reserves. Attendees at the upcoming [Appalachian AI Energy Conference](#) on May 21, 2025 at the Hilton Garden Inn at Southpointe/Pittsburgh will discover how these natural advantages are set to transform the region into a powerhouse for data center growth and innovation. The conference produced by H2-CCS Network and Shale Directories is the first of its type in the Appalachian Basin.



Tom Gellrich, CEO
& Founder, H2-
CCS Network

The Appalachian region is renowned for its abundant surface and groundwater resources, which are essential for cooling and sustaining the massive data centers that drive AI and cloud computing.

The area's water supply not only supports commercial and domestic needs but also provides the

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*Tom Gellrich, CEO and
Founder, H2-CCS Network*

scale required for energy-intensive technology infrastructure. With more than 20,000 wells monitored by the USGS and robust surface water systems, the region is well-equipped to meet the demands of modern data centers.

In addition to water, the Appalachian Basin stands as the largest natural gas-producing region in the United States, accounting for nearly one-third of the nation's total output.

The Marcellus and Utica shale formations provide a reliable, local supply of natural gas, making it possible for data centers to be built close to their energy sources-reducing transmission losses and ensuring stable power for AI operations.

Industry leaders and experts at the Appalachian AI Energy Conference will explore how these resources, combined with available brownfield sites and a skilled workforce, make the

Appalachian Basin an ideal destination for next-generation AI infrastructure.

"Our speakers will provide an in-depth opportunity analysis of the water and natural gas resources demonstrating the unique appeal of the Appalachian Basin to AI developers," stated Tom Gellrich, CEO & Founder, H2-CCS Network.

The conference will also highlight public-private partnerships and the region's readiness to support the energy and cooling needs of large-scale data centers.

For more information about the conference and the region's AI potential, attendees are encouraged to register and join the conversation on May 21.

Event Details

- Date: May 21, 2025
- Location: Hilton Garden Inn Pittsburgh Southpointe
- Registration: appaaienergy.com

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The Appalachian AI Energy Conference is organized by Shale Directories and the H2-CCS Network, bridging energy innovation and AI infrastructure demands.

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