



**STATE OF WEST VIRGINIA BRINGS TOGETHER MAJOR ENERGY COMPANIES AND LEADING ENERGY TECHNOLOGY FIRMS TO DEVELOP A CLEAN HYDROGEN HUB IN THE REGION**

*Hub Brings Together Producers, End-Users, World-Class Technology Experts, and Necessary Infrastructure to Advance the Production, Use, and Delivery of Hydrogen in Appalachia*

Charleston, West Virginia -- September 28, 2022 /Businesswire/ -- The State of West Virginia, EQT Corporation, the nation's largest natural gas producer, Battelle and GTI Energy, both with deep expertise executing clean energy programs for the federal government, and Allegheny Science & Technology (AST), a leading West Virginia energy technology consulting firm, have collaborated to establish a Regional Clean Hydrogen Hub in the Appalachian region, the Appalachian Regional Clean Hydrogen Hub (ARCH2).

The Appalachian Regional Clean Hydrogen Hub (ARCH2) is expected to be centered in West Virginia while expanding its impact, through cooperative efforts in Ohio, Pennsylvania and Kentucky. The region is the ideal location for a clean hydrogen hub, due to its unique access to ample low-cost natural gas feedstock, end-user demand, workforce and technology capability, and carbon sequestration potential.

ARCH2 will be a key foundational component of America's transition toward decarbonization. The ARCH2 team is composed of entities with operations across the Appalachian region spanning the hydrogen value chain as well as energy technology organizations, including the National Energy Technology Laboratory, consultants, academic institutions, community organizations, and NGOs that will provide commercial, technical, and programmatic leadership for the development and buildout of the hub.

Additional industrial partners and other stakeholders, including community organizations, are encouraged to participate and contribute to ARCH2's clean energy ecosystem.

The Appalachian region provides significant existing resources for ARCH2, including the critical infrastructure required for low-cost natural gas production and storage, existing pipelines and transportation networks, and proximity to major end-use markets in the Midwest and Northeast. The region also boasts a highly skilled energy workforce - as well as support from labor organizations, environmental non-profits, academic institutions, and community stakeholders - all of which will be integral to project development and associated job retention and creation, particularly in disadvantaged and underserved communities.

“Under the leadership of Governor Jim Justice, West Virginia is prepared to lead in this initiative — and others like it — that continue to diversify and grow the energy portfolio of our state and our region while spearheading the expansion of energy options for the nation,” said Secretary of Economic Development Mitch Carmichael. “This is another example of how West Virginia continues to lead, as we always have, in supplying the energy needs of the United States.”

“The world is demanding cheaper, more reliable, cleaner energy—and lots more of it. Yet, the energy industry has yet to deliver a truly sustainable energy solution that can meet this monumental moment in our efforts to address climate change, while eliminating energy poverty and providing energy security. But that is about to change,” said EQT President and CEO Toby Z. Rice. “America’s oil and gas industry has awakened to the opportunity in front of them. Abundant, low-emissions Appalachian natural gas can and will serve as the strategic foundation for all phases of our journey to decarbonize the world. Blue hydrogen is a reliable, zero-carbon solution that represents a significant next step in our journey.”

“Battelle’s core mission is to develop and deploy science and technology for societal benefits, which is completely consistent with the Clean Regional Hydrogen Hub objectives,” said Lou Von Thayer, Battelle President and CEO. “Battelle’s experience in managing and executing complex public-private partnerships will lead to a sustainable regional program that meets government and industry objectives, addressing technical, commercial, and social justice goals in a highly transparent manner. We are proud to be part of such an initiative.”

“GTI Energy is developing innovative solutions such as low-carbon hydrogen that enable clean energy access to our communities. Our deep roots in the energy industry and collaborative approach to advancing technologies enable us to deploy integrated hydrogen solutions at scale,” said Dr. Paula A. Gant, President and CEO of GTI Energy. “We have a long history of bringing together public and private partnerships, which will be critical for hydrogen hubs. We are excited to work with our industry and technology partners to support the decarbonization of the Appalachian region while stimulating economic growth through the development of a hydrogen market.”

“ARCH2 will play a vital role in the development and realization of DOE’s Regional Clean Hydrogen Hub vision,” stated Arria Hines, AST’s CEO. “ARCH2 represents the future of energy in our country and is the foundation upon which a robust regional hydrogen economy will be built.” “ARCH2 will combine a world-class team of industry experts with Appalachia’s vast untapped resources, existing energy infrastructure, and proximity to regional markets that will drive an ‘All of the Above’ energy future for our nation.”

#### Current Participating Entities:

Air Liquide	GTI Energy
Allegheny Science & Technology	Hope Gas
American Electric Power	IN-2-Market
The Babcock & Wilcox Company	Long Ridge Energy & Power, LLC
Battelle	Marathon Petroleum, including its Affiliate MPLX
BHE GT&S	Marshall University Research Corporation
Bloom Energy	Mountain Transit Authority
Chemours	National Energy Technology Laboratory
Climate Smart Business Solutions	National Fuel Gas Supply Corporation
CNX	New Fortress
Cornerstone Chemical Company	Nucor Steel West Virginia

Dominion Energy  
DT-Midstream  
ElementUS  
Emerging Fuels Technology  
Energy Innovation Center Institute, Inc.  
EPRI  
EQT  
Fairmont-Marion County Transit Authority  
Fidelis New Energy  
General Hydrogen Corp  
Greylock Midstream

OVRTA  
Peoples Natural Gas  
Plug Power  
Potomac Valley Transit Authority  
Stark Area Regional Transit Authority  
General Hydrogen Corp.  
TC Energy Corporation  
TRC Companies  
Watt Fuel Cell  
West Virginia University  
Williams

Entities interested in participating in ARCH2 are encouraged to contact: [info@arch2hub.com](mailto:info@arch2hub.com)

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### **About Battelle**

Every day, the people of Battelle apply science and technology to solving what matters most. At major technology centers and national laboratories around the world, Battelle conducts research and development, designs and manufactures products, and delivers critical services for government and commercial customers. Headquartered in Columbus, Ohio since its founding in 1929, Battelle serves the national security, health and life sciences, and energy and environmental industries. For more information, visit [www.battelle.org](http://www.battelle.org).

**About GTI Energy**

GTI Energy is a leading research and training organization. Our trusted team works to scale impactful solutions that shape energy transitions by leveraging gases, liquids, infrastructure, and efficiency. We embrace systems thinking, open learning, and collaboration to develop, scale, and deploy the technologies needed for low-carbon, low-cost energy systems. [www.gti.energy](http://www.gti.energy)

**About EQT**

EQT Corporation is a leading independent natural gas production company with operations focused in the cores of the Marcellus and Utica Shales in the Appalachian Basin. We are dedicated to responsibly developing our world-class asset base and being the operator of choice for our stakeholders. By leveraging a culture that prioritizes operational efficiency, technology and sustainability, we seek to continuously improve the way we produce environmentally responsible, reliable and low-cost energy. We have a longstanding commitment to the safety of our employees, contractors, and communities, and to the reduction of our overall environmental footprint. Our values are evident in the way we operate and in how we interact each day – trust, teamwork, heart, and evolution are at the center of all we do. To learn more, visit [eqt.com](http://eqt.com).

**About AST**

AST is an energy solutions firm harnessing world-class agile expertise in applied science, energy efficiency, data analytics, and decision support tools to help build a better world. Utilizing scientists, consultants, and subject matter experts, AST delivers innovative solutions that drive clean, affordable, and sustainable energy technologies for its clients.