

## **Charting Pennsylvania's Path for Industrial Sector Decarbonization: Deploying Carbon Capture, Utilization, and Storage (CCUS) & Clean Hydrogen Technologies**

Pennsylvania has always maintained an unrivaled position in energy production and industrial output which has allowed the commonwealth to contribute meaningfully to the nation's economic growth and play a leading role in every major energy transition since our inception. The commonwealth is now well positioned to lead again as we work collaboratively to expand and modernize our industrial and manufacturing base with less carbon intensive forms of energy.

Key to this transition will be the development of a range of innovative and flexible clean energy pathways, including CCUS, clean hydrogen production, and the creation of a diverse market for clean hydrogen end-use. The signatories to this letter commit their engagement to make these pathways a reality and signal their support to develop the necessary conditions for the commonwealth to be a leader in deploying these technologies.

Pennsylvania has all the building blocks it needs to be successful in this new energy ecosystem: a competitive advantage in energy production, promising geology for permanently storing carbon dioxide, a diverse economy with a strong industrial base and highly skilled workforce, and a commitment to reducing greenhouse gas emissions. In addition, as demonstrated by the diverse signatories to this letter, we have the broad base of cross-sector support that will be critical to successfully pursuing these opportunities and making them a reality.

Over the past year, the commonwealth has partnered with the Team Pennsylvania Foundation to convene energy and industrial stakeholders across a variety of sectors to build consensus and develop the public private partnerships needed to address the challenge of industrial sector decarbonization with a focus on the following:

- Identifying priority opportunities and requirements for deploying CCUS and hydrogen with an emphasis on preparing Pennsylvania to compete for energy-related funding in the Bipartisan Infrastructure Bill.
- Taking action to ensure that we capitalize on our potential to unleash innovative, technological, and market-driven solutions to reducing emissions while creating jobs in the industrial sector.
- Working collaboratively with business and industry to ensure that we deliver practical recommendations and solutions.
- Building this initiative with a broad set of stakeholders to ensure that the work is nonpartisan and sustainable.

There is a tremendous amount of work to be done which will require close collaboration among all sectors of Pennsylvania's economy. The undersigned are aligned in their commitment to take the steps necessary to create a regional ecosystem to achieve decarbonization, to transition to clean hydrogen, and to ensure the commonwealth is competitive in attracting investment and creating jobs in all parts of its economy.

In the coming months, this group will build on this remarkable momentum to deliver on the promise of jobs, the economy, and improving the environment. We recognize that a regional ecosystem for the deployment of these technologies may require new cooperative arrangements with stakeholders beyond the commonwealth's borders to maximize our goals around carbon management and decarbonization. We are committed to working together to determine the resources required for leveraging Pennsylvania's competitive position in energy production and industrial sector productivity to emerge as a national leader in navigating the energy transition.

Signed,

AirProducts and Chemicals, Inc.  
Allegheny Conference on Community Development  
Allegheny County Executive  
Allegheny-Fayette Central Labor Council  
Battelle  
Boilermakers Local  
Clean Air Task Force  
Commonwealth of Pennsylvania  
CS Energy  
Epcot Crenshaw Corporation  
EQT Corporation  
Great Plains Institute  
IBEW Local  
IN-2-Market, Inc.  
KeyState to Zero, KeyState Energy  
Mitsubishi Power Americas  
PA Chamber of Business and Industry  
PECO Energy Company  
Pennsylvania Environmental Council  
Piasecki Aircraft Corporation  
Pittsburgh Works Together  
Shell  
Team Pennsylvania Foundation  
The University of Pittsburgh  
TRC Companies, Inc.  
United States Steel Corporation