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**Biden Administration’s Plan for American Leadership in Clean Manufacturing  
Must Prevent Misuse of Hydrogen, Carbon Capture Technologies**

*Don’t Let Legitimate Uses for Hydrogen and Carbon Capture Technologies  
Become a Trojan Horse for Costly, Illegitimate Ones*

**JOHNSTOWN, Pennsylvania** — Today the Biden administration released [a “Fact Sheet”](#) announcing upcoming efforts to advance a cleaner industrial sector, reduce emissions, and reinvigorate American Manufacturing. At the center of these efforts are the development of what the fact sheet calls “clean hydrogen” hubs and the widespread deployment of carbon capture, utilization, and storage (CCUS) technologies.

While there are some hard-to-decarbonize sectors of the manufacturing economy, such as steel making and cement making, in which hydrogen and CCUS may represent the best available solutions for emission reduction, the Department of Energy (DOE) and the administration should prevent these legitimate applications from ushering in a potentially much larger body of illegitimate uses of hydrogen and CCUS technologies which don’t make sense economically or environmentally.

Those illegitimate uses include attempts to retrofit coal and gas-fired power plants with CCUS technology and develop reliance on [blue hydrogen](#)—hydrogen manufactured from natural gas using CCUS—rather than green hydrogen—hydrogen produced from water using renewable energy. As explained in [an Ohio River Valley Institute report](#), retrofitting existing coal and gas-fired power plants would more than double the cost of the electricity from those plants, making them uncompetitive with clean renewable resources such as wind and solar. Similarly, blue hydrogen that is made using CCUS will not be cost competitive with green hydrogen, which is made with renewable energy.

If we ignore these economic facts and use government resources and incentives to produce outcomes that markets won’t support, we will incur large, ongoing, and unnecessary costs for taxpayers and consumers. And in regions such as the greater Ohio River Valley and Appalachia we will perpetuate the economic, social, and environmental ills brought about by our region’s dependence on fossil fuel industries and fail to offset those ills with growth in jobs or prosperity.

In order to effectively fight climate change and promote real and sustainable growth in jobs and prosperity in the Ohio River Valley and Appalachia, it is imperative that we employ hydrogen

and CCUS technologies only where they're appropriate and not sacrifice money, resources, and peoples' health and wellbeing by trying to force them into functions where they are too costly and ineffective.

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