

NEWS RELEASE

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Contact: Joe Maceda
Tel: +1 917 932 7583
info@grimescarbontech.com

Grimes Carbon Tech to Preview Approach for Producing Zero Emission Energy and Enough Rare Earth Minerals in the US to Exceed Demand for the Next 1,000 Years

New York, NY—Green energy start-up, Grimes Carbon Tech (GCT) will preview its proprietary technology for turning existing and abandoned coal mines into major sources of green energy and rare earth minerals during a Zoom presentation on Wednesday, May 21, 2025, at 10:00 AM EDT (GMT-4).

During the call, GCT founder, Joseph Maceda and Haydn Palliser, founder of Pivotal180 will discuss GCT's ability to provide a plentiful, local supply of green energy and rare earth minerals from coal.

During this time of geopolitical instability, the U.S. faces two challenges that GCT can address: 1) energy demand far outpaces supply, with waits for grid connections as long as 7 years; and 2) 70% of our critical rare earth minerals come from China, even though we can meet more than 100% of our demand for those minerals using the waste from local coal mines.

Joe and Haydn will also discuss the current state of the company and investment options. To register for the Zoom call, please send your name, organization name and e-mail to info@grimescarbontech.com.

About Grimes Carbon Tech (GCT). GCT was founded in 2022 based on a long collaboration between Dr. Patrick Grimes and Joseph Maceda, who worked together to reverse engineer nature's processes to convert the carbon in coal and low-grade waste heat into valuable zero-carbon hydrogen energy. GCT began with a mission to make green energy readily available anywhere in the world without the need for a centralized grid connection.

In 1961, after building the first fuel cell vehicle, Dr Grimes was the principal investigator for the Army Energy Depot Project, which outlined his method for synthesizing fuels from atmospheric CO₂. Although his ideas were never commercialized during his lifetime, he and Joseph Maceda continued research to find a practical way to create a well-managed carbon energy economy. Before Dr. Grimes' death in 2007, he saw his work validated in the lab and secured the initial patents for GCT's proprietary approach.

Today GCT is prepared to commercialize and deploy Dr. Grimes' methodology to enable a rapid scale-up of green hydrogen to meet soaring demand for cheap, grid-independent, clean energy.

Learn more at <https://grimescarbontech.com>.

Zoom Link:

<https://us02web.zoom.us/j/82838927219?pwd=1iitbMpCVtnLPefCt1PiL6scFQ10BS.1>

Meeting ID: 828 3892 7219.

Passcode: 581600