Perpetua Resources

ANTIMONY

One of 50 critical minerals, antimony is essential for a more secure and sustainable future.

February 2024

THE FUTURE STARTS HERE.

Responsible production of critical resources begins right here at home.

Antimony from the Stibnite Gold Project can reestablish domestic antimony production and protect America's future.

The critical mineral antimony is key to achieving a more secure and sustainable future.

Antimony has many defense, technology and energy applications, including its use in munitions, semiconductors and clean energy storage batteries.

While essential to our national security and economic vitality, there are no domestically mined sources of antimony, and **China, Russia and Tajikistan control 90% of the world's supply.**

National Defense

Antimony keeps our nation safe. Antimony trisulfide is a primer in hundreds of munition types. With no secure supply, our military readiness is threatened.

Technology

Antimony powers our technology. From semiconductors and printed circuit boards to the glass in our cell phones, we use antimony every day.

Clean Energy Storage

Antimony can fuel our clean energy future. The Ambri grid-scale storage battery requires calcium and antimony and is expected to play a critical role in achieving a net-zero energy grid by 2035.

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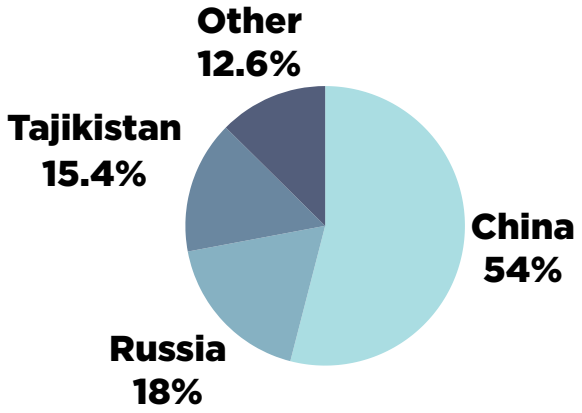
CRITICAL SUPPLY

GLOBAL PROBLEM

The global supply of antimony has been under the control of Chinese interests for over 100 years. More recently, the Chinese government has systematically taken even greater control over the antimony market by purchasing mineral resources and processing facilities around the globe.

The U.S. has no mined source of antimony in production today.

2022 World Antimony Production (USGS)



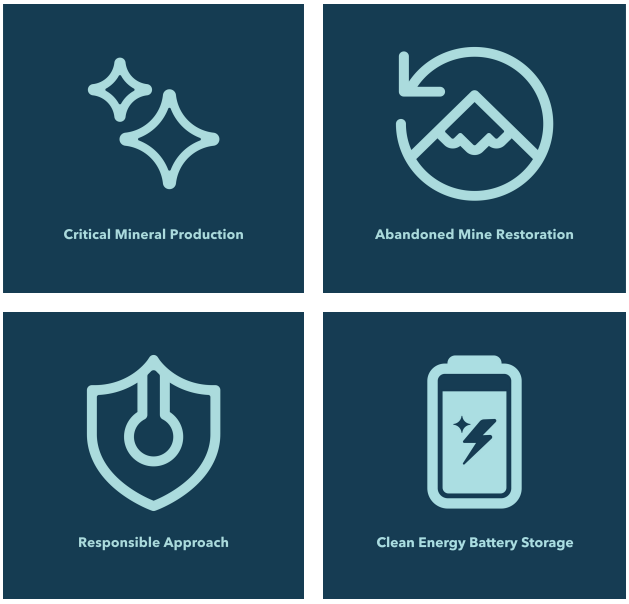
AMERICAN ANTIMONY CAN SECURE THE FUTURE

DOMESTIC SOLUTION

As one of the largest economic reserves of antimony not controlled by China, the Stibnite Gold Project in Idaho will provide the U.S. its only mined source of antimony and could satisfy about 35% of U.S. antimony demand in the first 6 years of production and fulfill long-term U.S. defense needs.

THE STIBNITE GOLD PROJECT

Located within the abandoned Stibnite Mining District, Perpetua Resources' Stibnite Gold Project is designed to use responsible mine redevelopment to restore the environment, invest in the rural economy and provide the critical minerals and metals our nation needs.



Antimony is so important to national defense that the Defense Department has awarded Perpetua Resources up to $40 million in research and Defense Production Act awards. These grants include funding to conduct mineral testing to demonstrate a fully domestic antimony trisulfide supply chain as well as advancing permitting and construction readiness.

Perpetua Resources and Ambri, an energy storage battery company, have entered into a long-term partnership agreement to provide a portion of the antimony from the Stibnite Gold Project to Ambri for the production of their liquid metal battery.

The Stibnite Gold Project has been in the NEPA process since 2016. Final approvals are anticipated in 2024.