

# ANTIMONY

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

January 2025

## 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.**

**In September and December 2024, China restricted global and US antimony exports.**



### 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.

## CRITICAL SUPPLY

### GLOBAL PROBLEM

The global supply of antimony has been under the control of Chinese interests for over 100 years. Including processing, China controls approximately 80% of the global supply.

In September 2024, the Chinese government restricted global antimony exports, cutting the world off from antimony access by 97%. In December 2024, China explicitly restricted antimony exports to the United States.

The US has no mined source of antimony in production today.

## AMERICAN ANTIMONY CAN SECURE THE FUTURE

### DOMESTIC SOLUTION

The Stibnite Gold Project in Idaho has a reserve of 148 million pounds of antimony, making it one of the largest economic reserves of antimony not controlled by China. The Stibnite Gold Project 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 \$74 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 received its Final Record of Decision from the US Forest Service in January 2025.**

### 2022 World Antimony Production (USGS)

