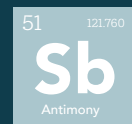


# The Critical Component

The goods we rely on in our every day lives, the technology that our military uses to safeguard our nation and even the innovations being developed to power our green future, all have one thing in common.



**They all depend on the critical mineral antimony.**

## Sourcing for Our Future

Antimony is one of 35 minerals that have been deemed "critical" by the Department of the Interior because of the important role it plays in technology, defense and energy production. China (53%), Russia (20%) and Tajikistan (19%) control the overwhelming majority of the world's supply and there are currently no mined sources in the United States\*. Our economic and national security, along with our goal to achieve a lower carbon future, depend on domestic production of this critical mineral.

The proposed Stibnite Gold Project can provide a solution to this supply chain challenge and can bring a positive benefit to our nation's future.

# Why Does Antimony Matter?

## RENEWABLE ENERGY APPLICATIONS:

With a secure and responsibly sourced supply of antimony, we can continue to make significant advancements in clean energy through technologies like solar panels, wind and hydro turbines, and semi-conductors. Antimony also has a variety of uses in battery technology—from the batteries in hybrid and electric cars, to cutting edge solid-state batteries that capture and convert waste heat into electricity, to liquid batteries that will store large-scale amounts of renewable energy.

## SAFETY AND SECURITY:

A domestic antimony source is vital to national security by contributing to effective infrared camouflaging, night vision goggles, and munitions supplies. Antimony is also used to produce effective fire retardants in plastics and fabrics helping contain forest fires that ravage the western half of the United States.

## EVERYDAY USES AND TECHNOLOGY:

The cell phones in our pockets, the cameras we take on vacation, the battery in the hybrid and electric cars we drive, and even the furniture in our homes all require antimony. Used for semiconductors and motherboards, antimony also plays a critical role in powering much of the technology we rely on.

### Everyday Use

PHONES, CAMERAS,  
CLOTHING,  
SEMICONDUCTORS



### Safety & Security

CAMOUFLAGE,  
EXPLOSIVES PRIMERS,  
NIGHT VISION GOGGLES



### Renewable Energy

SOLAR PANELS,  
STORAGE BATTERIES,  
WIND TURBINES



## Looking Ahead to The Future

Currently, Perpetua Resources is in the process of permitting America's only mined source of antimony. The Stibnite Gold Project could provide the solution to securing our national supply chain for antimony by supplying approximately 35% of the American demand for antimony in the first six years of production\*. Mining responsibly here at home can secure a safe and renewably-powered future.

\*SOURCE 2021 USGS COMMODITY SUMMARY [HTTPS://PUBS.ER.USGS.GOV/PUBLICATION/MCS2021](https://pubs.er.usgs.gov/publication/MCS2021)

**Responsible Mining. Critical Resources. Environmental Restoration.**

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