

MINERALS: THE BEDROCK OF SUPPLY CHAIN SECURITY

Every modern industry and product requires minerals and metals. Whether it's modernizing infrastructure, reshoring industry and critical supply chains, creating high-paying jobs, or pivoting to electric vehicles (EVs), U.S. mining is essential to each one. Despite their importance, the U.S. remains over reliant on imports for the very minerals we depend on. The U.S. only accounts for 11% of global spending on mineral exploration but has an estimated \$6.2 trillion worth of mineral resources.

We must encourage mining here at home to ensure reliable minerals supply chains. With more support from both the public and policymakers, America's domestic mining industry can greatly reduce our import overreliance.

A BURDENSOME PROCESS

5x It takes 5X longer to get a U.S. minerals mine approved than it does in countries with similar environmental standards.

7-10 years It takes 7-10 years to secure a mine permit in the U.S. vs. the 2-3 years it takes in Canada or Australia.

DEMAND IS GROWING



INFRASTRUCTURE



In 2021, the U.S. received a C- on the American Society of Civil Engineers' (ASCE) Infrastructure Report Card.⁶



Rebuilding our infrastructure will drive demand for a variety of minerals, such as copper, iron and molybdenum.



ADVANCED ENERGY



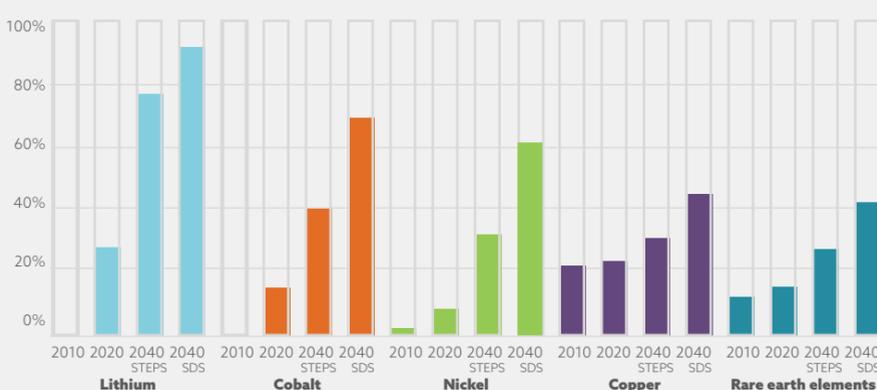
The International Energy Agency predicts the energy sector's demand for minerals could grow 6X by 2040.⁷



By 2040, EVs could account for over 60% of global car sales, causing demand for battery metals like lithium, cobalt, nickel and copper to skyrocket.^{7,8}

The energy sector has become a leading consumer of minerals as energy transitions accelerate.

Share of clean energy technologies in total demand for selected materials.



STEPS: Stated Policies Scenario | SDS: Sustainable Development Scenario

OUR NATIONAL SECURITY IS AT RISK



The Department of Defense uses 750K tons of minerals each year.



920 lbs. of rare earths are used to make a single F-35 Joint Strike fighter jet.



More than 66 different minerals are used for sensors and software in Blackhawk helicopters.¹



84% of voters believe policymakers should focus on supporting domestic mining to reduce our reliance on foreign countries for mineral imports.²

IMPORT RELIANCE IS ON THE RISE

In the past 25 years our import dependence has more than doubled.

1995

We were **100%** import reliant for **8 key minerals**



Today

We are **100%** reliant for **17 key minerals** and more than **50%** import reliant for another **29**.



OTHER NATIONS IN CONTROL



The U.S. relies on China for over 20 critical minerals.³



Only 9 of the world's 142 lithium-ion battery mega factories are planned for the U.S. while 107 are in China.⁵



China is the top producer or supplier of 66% of the minerals listed as essential to U.S. economic and national security.⁴



Equivalent to China building one factory a week while the U.S. builds one every four months.⁵

MINING FOR PROGRESS

We need to revitalize our infrastructure, bolster our national security and grow the economy. **This will not be possible if our nation remains beholden to other nations for critical mineral resources.**

The U.S. contains enough minerals to help drive our economic growth, innovation and development. We must reform the mine permitting system and access our domestic resources rather than deepening our overreliance on imports.

Find out how we can fix our broken mine permitting policies at MineralsMakeLife.org.

Sources

- <https://nma.org/2021/05/07/newmont-gold-in-defense/>
- <https://nma.org/2021/03/02/overwhelming-majority-of-voters-want-government-to-support-domestic-mining-to-secure-u-s-economy-jobs-and-supply-chains-2/>
- <https://pubs.usgs.gov/periodicals/mcs2021/mcs2021.pdf>
- https://nma.org/wp-content/uploads/2020/04/NMA_Mining_Facts_2021_final.pdf
- <https://www.energy.senate.gov/services/files/6A3B3A00-8A72-4DC3-8342-F6A7B9B33FEF>
- <https://infrastructurereportcard.org/>
- <https://iea.blob.core.windows.net/assets/24d5dfbb-a77a-4647-abcc-667867207f74/TheRoleofCriticalMineralsinCleanEnergyTransitions.pdf>
- <https://about.bnef.com/electric-vehicle-outlook/>