

MINERALS AND METALS

THE BUILDING BLOCKS OF A STRONG U.S. ECONOMY

The U.S. is a mineral-rich nation, with an estimated **\$6.2 trillion** worth of minerals yet to be developed. These minerals and metals generate wealth for our nation and drive our economy by providing the raw materials for downstream industries, creating jobs and spurring innovation.

PROVIDING WELL-PAYING, INNOVATIVE JOBS



\$89K

Average annual salary in metals mining

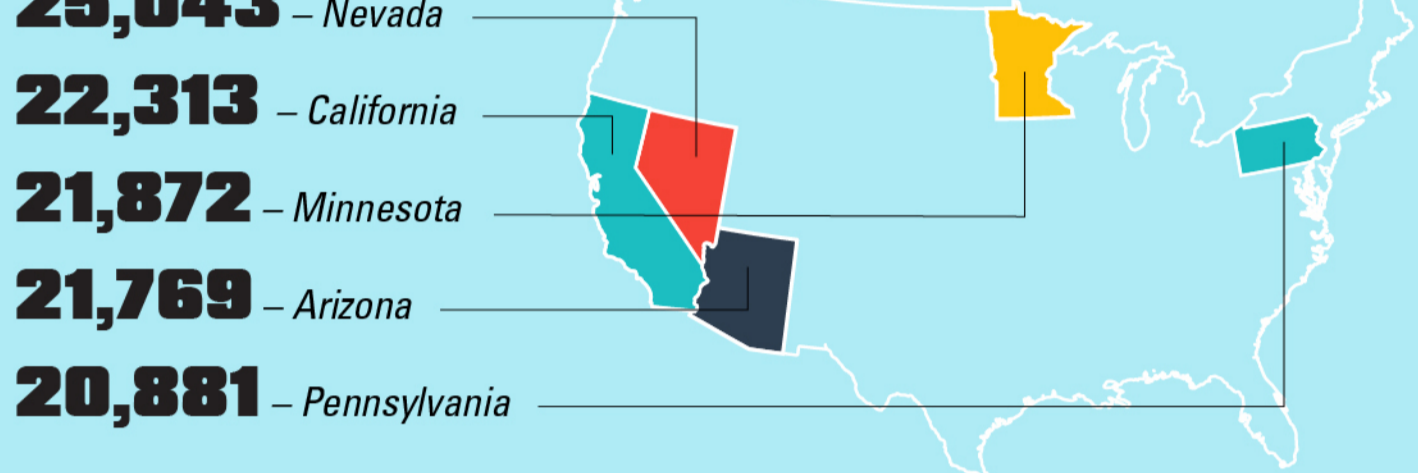
CREATING AMERICAN JOBS

U.S. minerals mining supports more than

1.2 MILLION JOBS



The number of metal/non-metal mining jobs in top states*



*Top five states based on number of metal and mineral jobs.

FUELING NATIONAL ECONOMIC GROWTH



MINERALS & METALS MINING

Minerals & metals mining contributes \$155 billion to the U.S. GDP

INDUSTRY

Industries that use minerals and metals as raw materials contribute \$2.8 trillion to the GDP



EXPORTS

In 2016, the U.S. exported \$7.5 billion worth of mineral & metal raw materials

CREATING TRADITIONAL & EMERGING CAREERS

Every metals mining job creates 3.5 additional jobs



SHAPING TOMORROW'S WORKFORCE AND WORKPLACE

Minerals mining companies donate to local schools, universities and continuing education programs to develop digital and technical skills for the next generation of mining.



Freeport-McMoRan invested \$2 million to support STEM education in 2015



Barrick Gold donated \$400,000 to Great Basin College to provide free education programs in Nevada



Mining companies like Rio Tinto are testing autonomous vehicles and drones to improve efficiency



Caterpillar engineers worked with manufacturing and health professionals to develop technologies like 3-D printed heart models and MRI and CT scan data that can be made into printable files

CRITICAL COMMODITIES

The U.S. is home to minerals that build our infrastructure, advance new technologies, improve our standard of living, develop advanced energy solutions & support our national defense. Some of these minerals include:



Unfortunately, protracted delays in the mine permitting process can last up to a decade. The U.S. is now **100% dependent on 20 minerals** and at least **50% reliant on an additional 30 minerals**—many of which can be found right here in the U.S.