



STRATEGIC MINERALS

IN THE RESOLUTION COPPER DEPOSIT

Resolution Copper is a critical project for increasing the United States' copper production and enabling the energy transition in the United States.

Copper is a gateway to other Strategic and Critical Minerals and Materials. When in full production, the Resolution Copper deposit can supply up to 25% of U.S. demand for copper, along with other recoverable metals such as Molybdenum and Silver; Strategic and Critical Materials such as Rhenium, and Critical Minerals including Tellurium, Indium, and Bismuth, per the U.S. Geological Survey (USGS) 2022 Critical Mineral Commodity Summary.

Each of these minerals has unique, integral roles to play in the development of modern, sustainable technologies like semiconductors, solar panels, electric vehicles, and more.

The U.S. currently imports a majority of these strategic and critical minerals and materials, relying on foreign countries to advance critical manufacturing operations for the solutions and technologies central to the U.S. climate goals and policies.

The **U.S. is already 46% net import reliant on copper** and currently does not produce any Bismuth or Indium and produces very little Silver or Tellurium; in fact, Rio Tinto's **Kennecott mine in Utah became one of only two U.S. producers of Tellurium in 2022.**

Increased investment in domestic operations can flip the script and help the United States regain a leading role in delivering a secure and sustainable supply of Copper and other strategic and critical minerals.

Rio Tinto is continuing to build America's strategic metals and mineral security at Resolution Copper, so the United States can continue to play an important role in shaping our future. To date, Rio Tinto has **invested over \$2.3 billion in rural Arizona** for the Resolution Copper mine.

US' SHARE OF GLOBAL STRATEGIC MINERAL PRODUCTION

Bi Bismuth: **0%**

In Indium: **0%**

Re Rhenium: **15.5%**

Ag Silver: **4.2%**

Mo Molybdenum: **16.8%**

Te Tellurium: **> 2%**

(Kennecott is one of only two US producers of tellurium)

CHINA LEADS ON STRATEGIC MINERAL PRODUCTION



Accounted for **70%** of world mine production of rare earth minerals in 2022



Holds at least **85%** of the world's capacity to process rare earth ores into materials that manufacturers can use

GLOBAL DEMAND FOR STRATEGIC AND CRITICAL MINERALS IS SET TO SKYROCKET BY 400-600% OVER THE NEXT SEVERAL DECADES.

