

MINERALS
MAKE
LIFE



May 3, 2018

Dear Joe,

A recent [report](#) from McKinsey Energy Insights predicted that electric vehicle production will grow at a faster rate than originally expected, with estimates of more than 340 million electric vehicles between now and 2030. The report discusses the importance of a steady supply of minerals like cobalt and nickel – both of which are vital components in electric vehicle batteries. Despite this fact, a 2017 [poll](#) shows that a significant number of Americans do not understand the role that mining plays in renewable energy solutions and sustainability. It's time that we help correct the record about these outdated misconceptions about mining.

Throughout the U.S., the mining industry provides the raw materials for the technologies that are advancing sustainable practices and renewable energies. For

DID YOU KNOW?

Poll: Majority of U.S. Voters Support Permitting Reform to Encourage Domestic Mining



A majority of Americans support reform of the duplicative mine permitting process, according to a recent survey from National Mining Association.

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example, silver is used in water filtration systems because it can sterilize up to 650 types of bacteria. Manganese helps the batteries in electric vehicles store energy, improving their efficiency. Meanwhile, minerals like copper and zinc are essential to making wind turbines. To learn more about the role of minerals in advancing these environmentally-friendly technologies, read our [blog](#).

In addition to providing materials for important energy technologies, the mining sector is constantly evolving its operations to extract minerals responsibly, safely and with an ever-shrinking environmental impact. Mining companies have established frameworks for sustainable practices and ecosystem assessments, have developed new technologies that reduce environmental impact, and actively invest in restoring the lands of dormant mines. Twenty-first century mining projects begin with extensive environmental and engineering studies to ensure that we are operating responsibly. Modern mines also make use of drones, autonomous vehicles and other digital devices to increase safety and improve productivity. Furthermore, U.S. mining is heavily regulated under a comprehensive set of standards and heavily regulated by stringent federal environmental laws, in addition to laws at the state and local level.

Op-ed: U.S. Mining Must Lead The Great Energy Transition



Innovation depends on minerals. Check out this Forbes piece by Jude Clemente to learn why access to minerals like lithium and rare earths is crucial to advancing cutting-edge technology.

[Read](#)

Did you know?

2.9 million acres of land have been restored by mining companies.

Unfortunately, only 10% of Americans polled in April 2017 knew this fact. Help us set the record straight!



In recent decades, U.S. mining companies have restored millions of acres of land that has been developed into wildlife areas and wetlands, recreation areas, economic development parks, farms and other uses beneficial to local communities. Click below to discover the steps involved in the mining reclamation process.

[Read More](#)

It is alarming that so many Americans are still unfamiliar with modern mining practices and the contributions our industry makes to not only our economy, but the preservation of our lands and communities. That's why we need your support in making decisionmakers aware of our role and commitment to responsible operations. [Take action](#) by writing to your policymakers today.

Thank you,

Hal Quinn
NMA President and CEO



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