# ELECTRIC VEHICLES DEPEND ON MINING

Mineral demands are expected to grow as much as 1,000% by 2050.<sup>1</sup> Much of this demand will come from automakers, which plan to spend \$300 billion globally to produce new electric vehicles (EVs) over the next decade.<sup>2</sup> Our made-in-America EV future can also be a mined-in-America future, with U.S. mining ready to meet much of this need while providing high-paying jobs and maintaining strong environmental protections.



### EV MARKET GROWTH DEPENDS ON SUPPLY CHAIN SECURITY

Despite its estimated \$6.2 trillion in mineral reserves, U.S. mineral import-reliance continues to grow. In 2020, the U.S. was 100% import-reliant for 17 key minerals and more than 50% import-reliant for 29 additional minerals.<sup>13</sup>



100% import-reliant for key metals used in EVs like graphite, manganese and rare earths.<sup>13</sup>

The U.S. must strengthen its mineral supply chains and encourage greater domestic production to lead the EV revolution.



- 80% Rare Earth Elements
- 70% Graphite/Graphene
- 59% Lithium
- 58% Vanadium
  - 36% Cobalt

Lithium

In 2020, 107 of the 142 lithiumion battery megafactories under construction worldwide were located in China. Just nine were planned for the United States.<sup>15</sup>

#### With commonsense reforms, U.S. mining can deliver EV minerals and create high-paying jobs. Here's how:

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Acknowledge made-in-America includes mined-in-America

Embrace efficient permitting processes

Recognize the role of federal lands in

reducing import reliance

Ensure fiscal policies encourage investment



Voters Support Building an American EV Supply Chain:

## 87%

of voters believe our material supply chains should use minerals sourced from U.S. mines.<sup>16</sup>

#### Sources

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