As the U.S. has sought to make supply chains that impact the middle class more resilient there are many concerns about how this will impact the planet's critical resources.

The Harvard Business Review suggests that though the US does not practice industrial policy or direct investment in industries or business in that we are a democracy that does not interfere with free markets, we should consider this for critical mineral mining. [1]

The amount of pure energy to mine Critical resources such as lithium, a key mineral for Electric Vehicles battery technologies, could release carbon and other gases that impact our precious ozone layer. Without understanding the impact of this on the front end of the supply chain many ESG calculations about EV having a positive impact on the planet would be erroneous.

Net neutrality for supply chains takes into account the interconnectivity of connected supply chains to show their true cost to the planet. Our team labels this Net Neutrality Sustainable Supply Chains (N2-SSC) and it tracks an ESG parameter which includes a profit vs sustainability curve for supply chains.

Figure 1. Diagram of Efficient Frontier Curve [3]
One research project reviews how a mining company has sought to optimize sustainability over costs to facilitate their connected mineral supply chain to an EV production supply chain to provide an investable an ESG financial assessment.

References

