



MININGMINNESOTA

RESPONSIBLE DEVELOPMENT *of* NATURAL RESOURCES

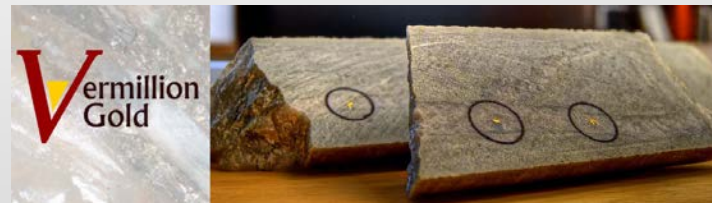
MVP Meeting
November 17, 2022

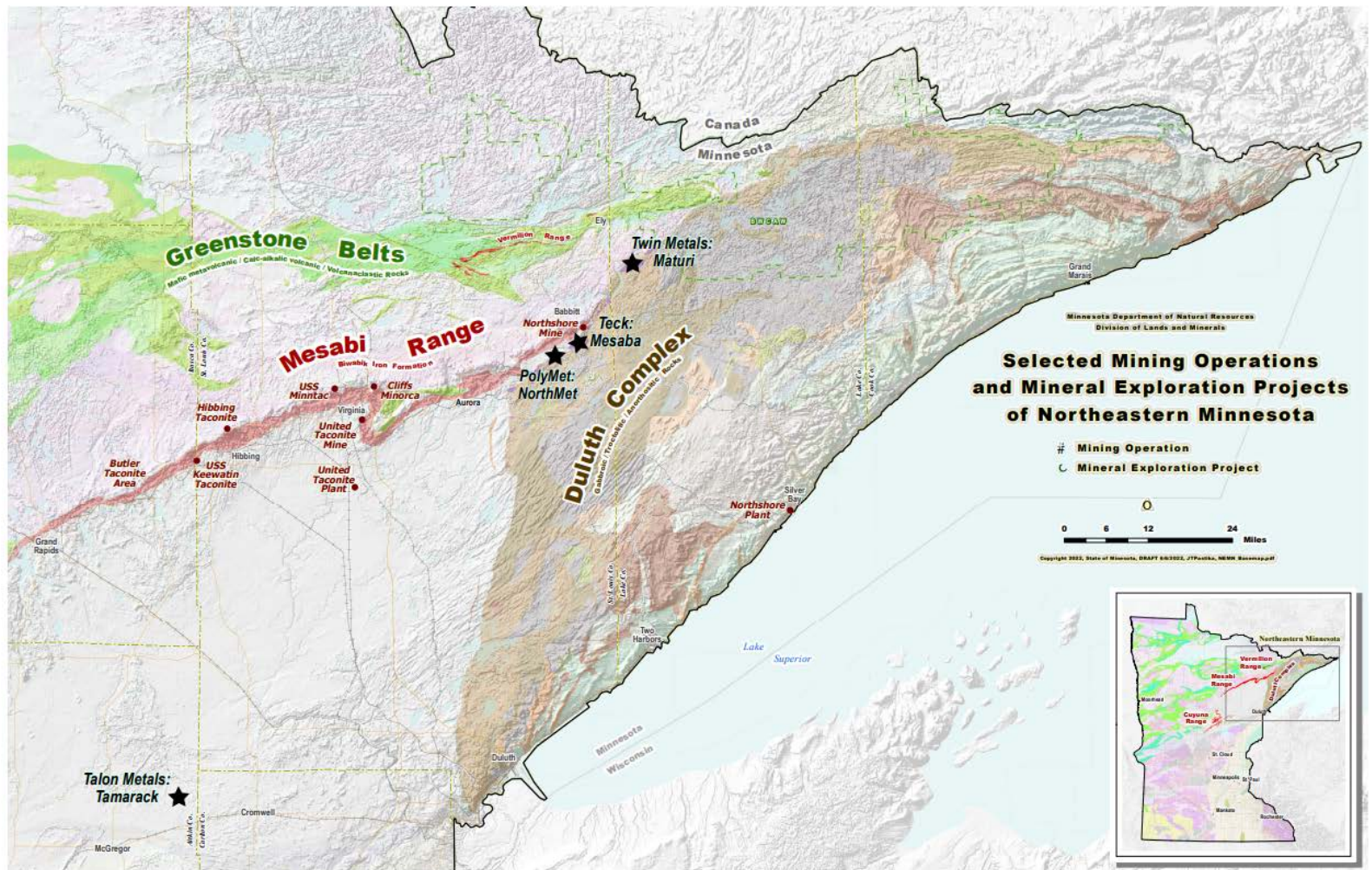
The energy transition is
sparking America's next
mining boom

- The Economist, Feb. 2022



Attracting Investment in MN





Minnesota Has the Metals

- Critical and Strategic metals in Northeastern Minnesota include:
 - Copper
 - Nickel
 - Platinum
 - Palladium
 - Gold
 - Cobalt
 - Titanium
 - Manganese





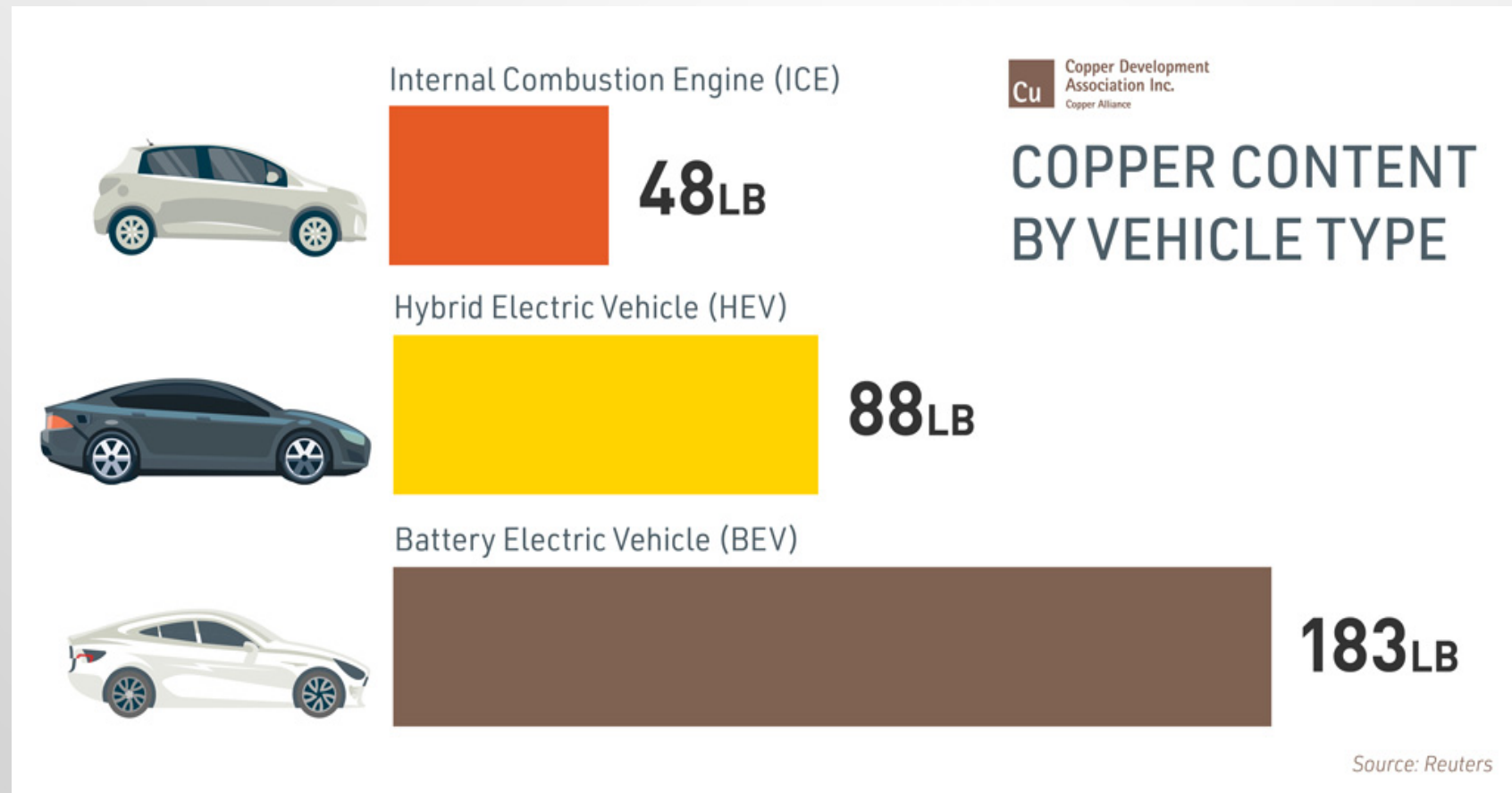
Globally Significant Resource

Northeastern Minnesota holds one of the largest undeveloped non-ferrous metal resources in the world.

Future Demand

- **Copper** - Need to mine as much copper in next 25 years as mined in past 5,000 (World Bank)
- **Nickel** - demand increase **ten-fold** by 2030 (for electric vehicles alone) (ID TechEx Report)
- **Cobalt** - consumption expected to double by 2025 (JRC Science Report)

Mineral-Dependent Energy





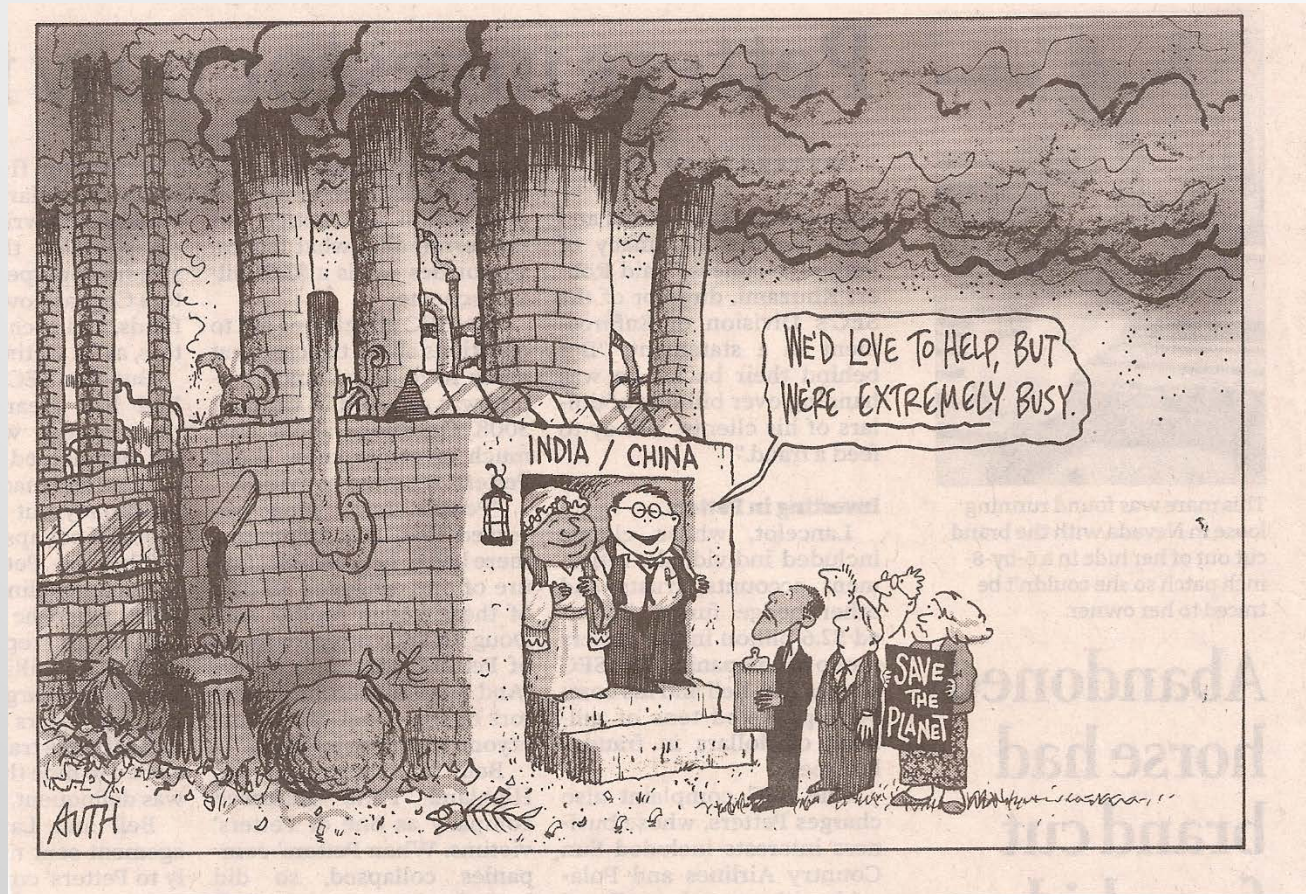
Responsible Mining



Social and Economic Justice

Where do we want our metals to come from?

Fair Trade Metals





Think Global, Act Local

We need to stop exporting our responsibilities and our conscience.



Minnesota Model

As engaged citizens and consumers, we should hold this development up as a model for all mining development in the U.S. and worldwide.

Thank You



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