Wind Power Needs American Metals & Minerals



A Single 3MW Wind Turbine Needs:

- ☑ 1,200 tons of concrete (cement and aggregates)
- ☑ 3 tons of aluminum
- ✓ Aluminum
- ☑ Zinc
- ☑ Molybdenum

However, we are increasingly dependent on foreign nations for many strategic minerals ...

| Metals / Minerals Used in Clean Power Systems | % Net Import Reliance |
|-----------------------------------------------|-----------------------|
| Steel | 8% |
| Concrete | 12% |
| Copper | 32% |
| Lithium | 50% |
| Titanium | 54% |
| Silver | 60% |
| Zinc | 73% |
| Cobalt | 81% |
| Platinum | 91% |
| Aluminum | 100% |
| Rare earth elements | 100% |
| Nickel (new sources) | 100% |



Questions For Policymakers:

- Should we get rare earths from California or rely on China?
- Should we get silicon from Washington or rely on China, Russia and Venezuela?
- Should we get cobalt from Idaho or rely on the Congo, Tibet and Siberia.
- Should we get copper from Arizona and Utah or rely on Peru, Chile, and Mexico?
- > Should we get zinc from Alaska and Washington or rely on Peru and Mexico?

Mining: Indispensable to our way of life - Indispensable to our future

