CIRCUITS DAY ONE

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Track 4: Strengthening American Supply Chains

# USA Sourced Critical Materials: From Byproducts to Coproducts

DEC 4 • 1-2PM • ROOM 202B

Track 4: Strengthening American Supply Chains

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# USA Sourced Critical Materials

**Kwasi Ampofo**
Head of Metals and Mining, BloombergNEF

**Ryan Peay**
Deputy Asst. Secretary, Office of Fossil Energy and Carbon Mgmt., U.S. DOE

**Dr. Barbara Arnold**
Chair and Professor of Practice in Mining Engineering, Penn State

**Remi Loiseau**
U.S. Lithium Manager, ExxonMobil Low Carbon Solutions

**Todd Beers**
COO, Winner Water Services Inc.

# USA Sourced Critical Materials: From Byproducts to Coproducts

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Dr. Kwasi Ampofo

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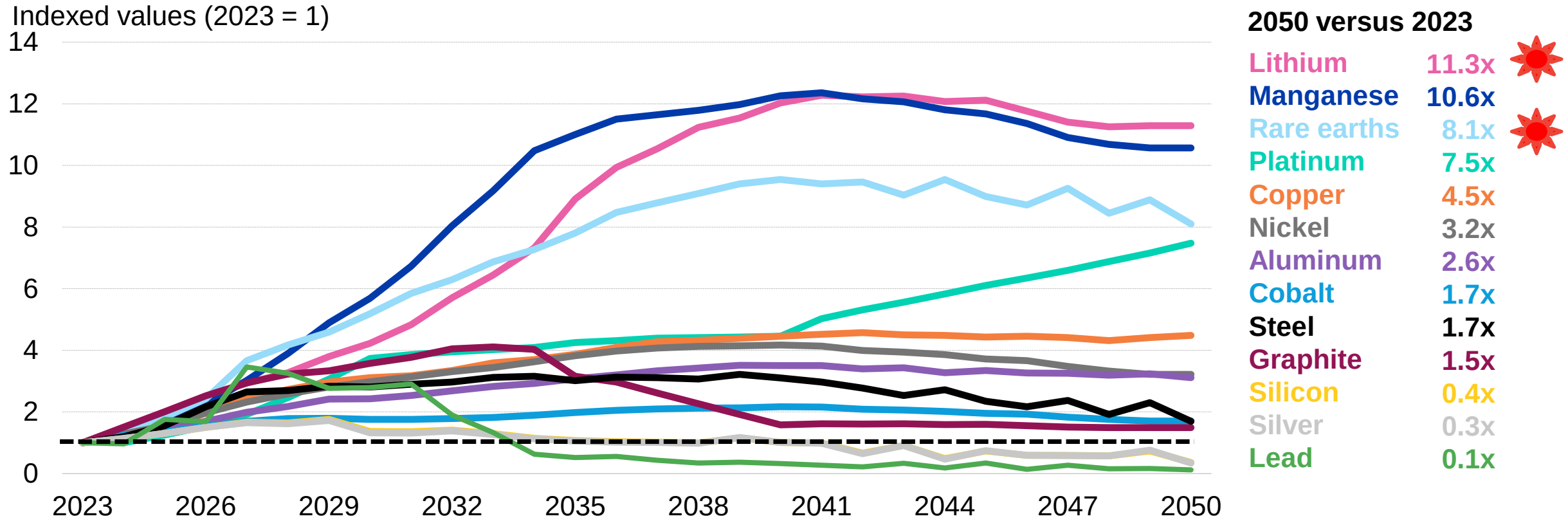
BloombergNEF

# Demand for metals grow the next two decades

## Global demand growth for metals used in the energy transition under BNEF's Net Zero Scenario




*Source: BloombergNEF. Note: Demand is indexed to 2023, except for platinum, which is indexed to 2024.*



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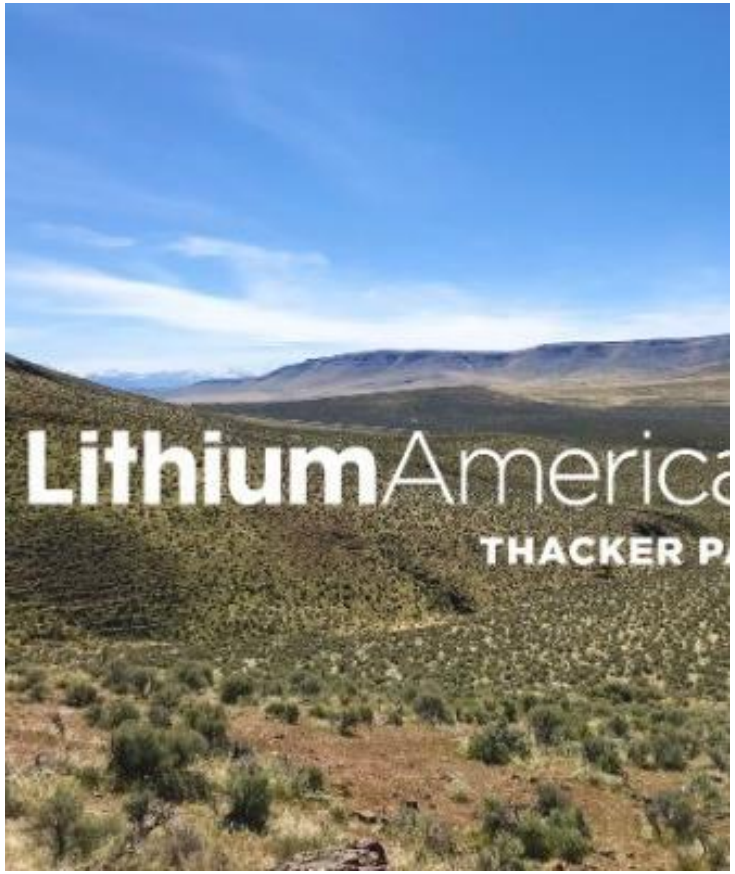
# Technology for new deposits could play a role in 2030's for the US

## Clay




*Source: Thacker Pass X page*

## Geothermal brine

*Source: Wikipedia*

## Oilfield brine

*Source: Oilfield Technology*



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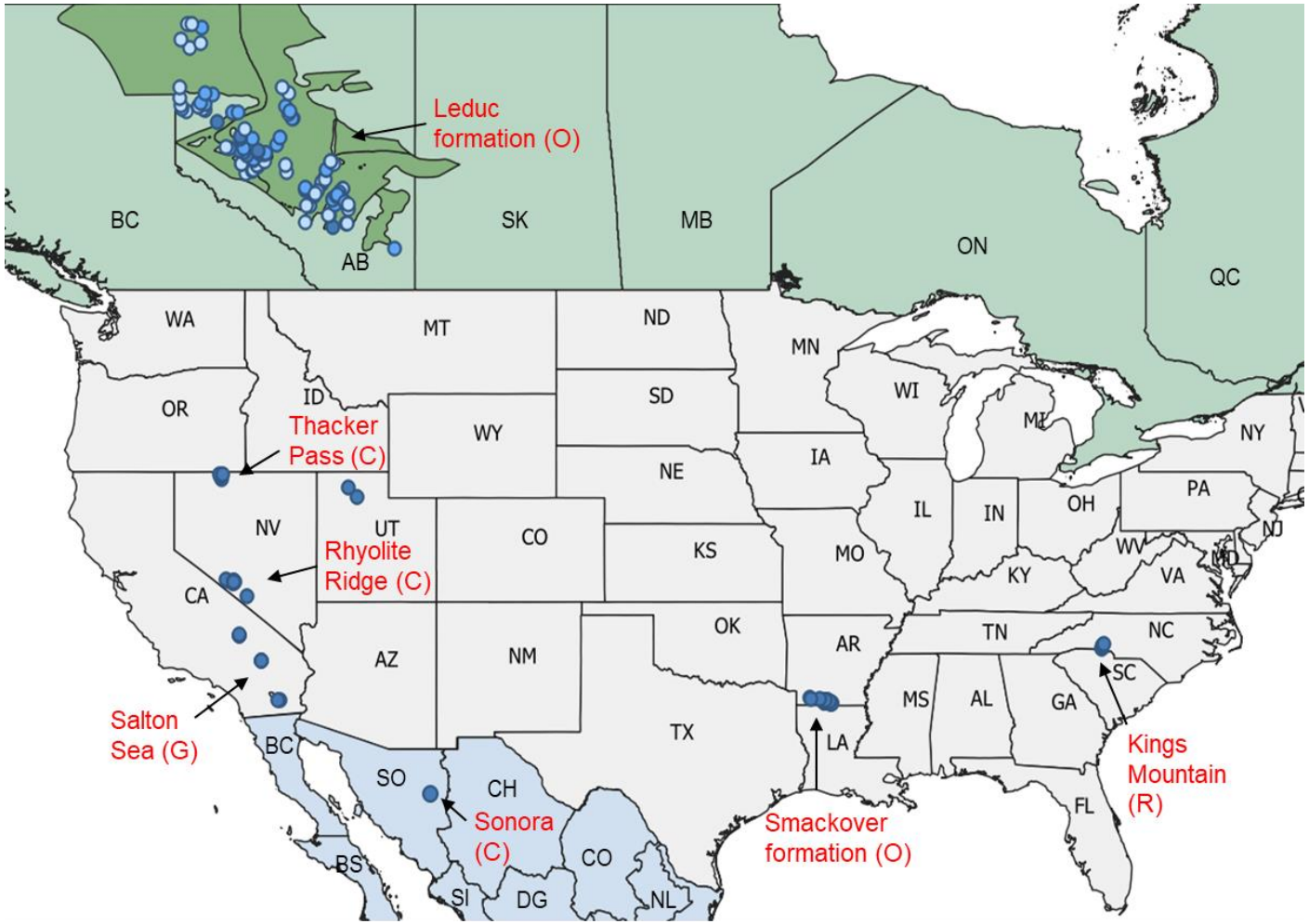
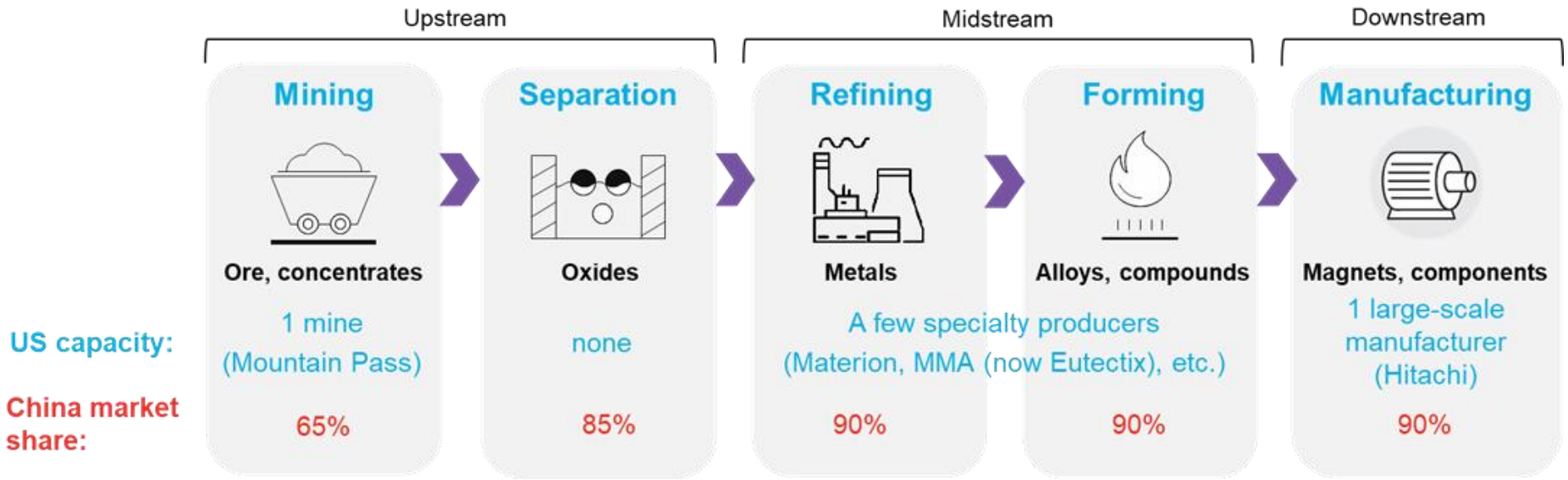
# Map of lithium resources in North America



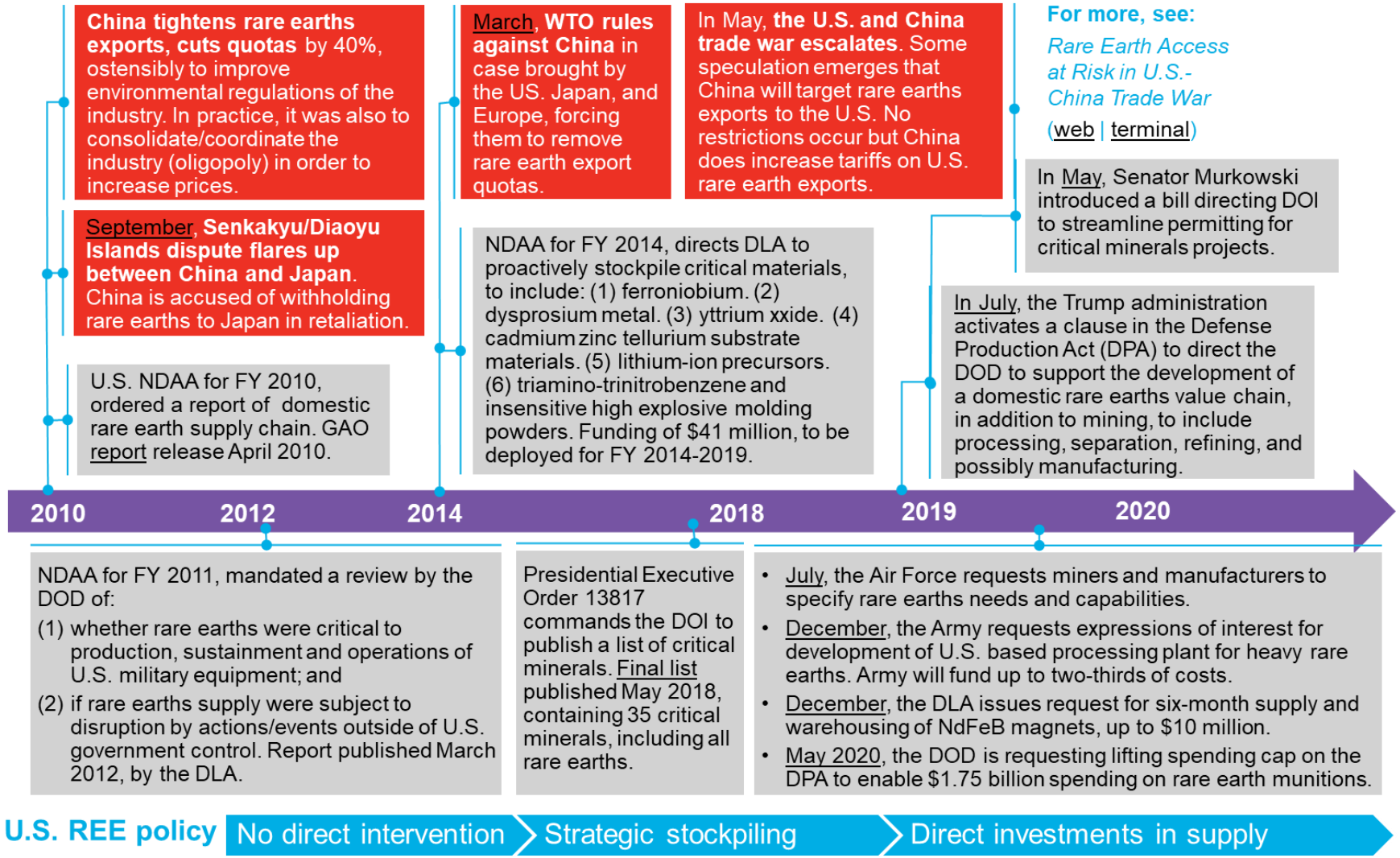

*Source: BloombergNEF, USGS, company reports. Note: (C) = clay, (G) = geothermal, (O) = oilfield, (R) = hard rock. In Canada, darker dots mean higher lithium concentration.*

# Rare earth supply is concentrated



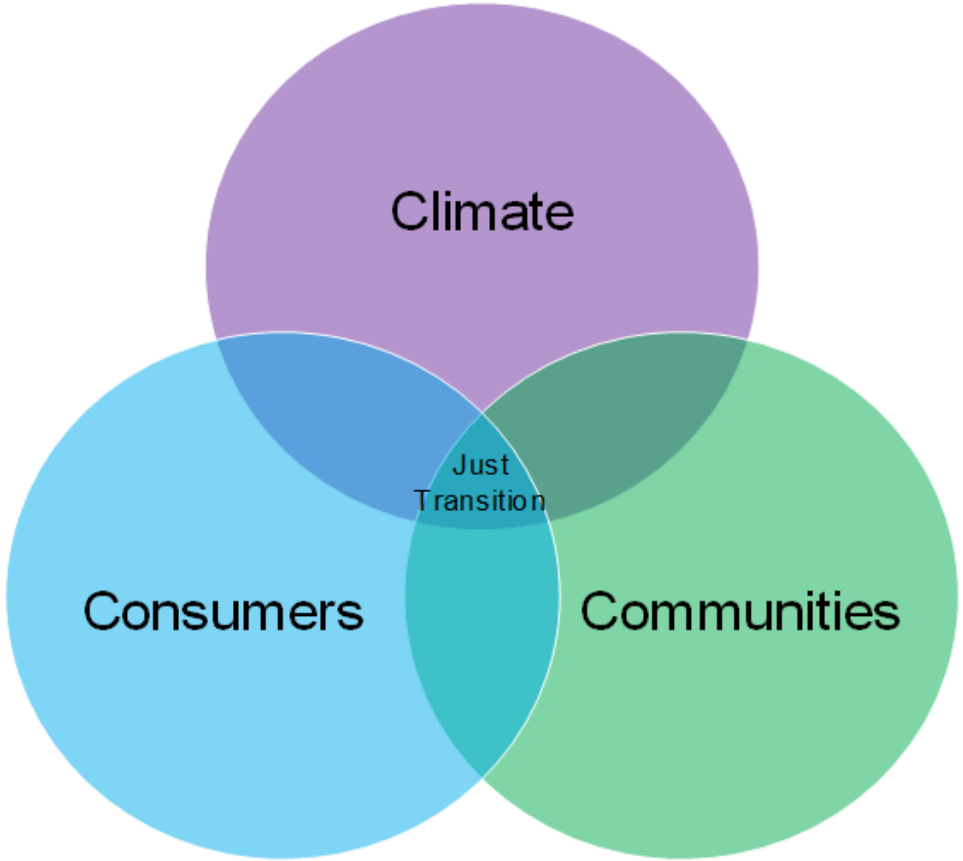

*Source: BloombergNEF. Note: U.S. capacity is defined as located in the U.S., not necessarily owned by U.S. companies.*

# Evolution of U.S. rare earth policy




*Source: BloombergNEF*

# What matters most?




*Source: BloombergNEF*

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We help commodity trading, corporate strategy, finance and policy professionals navigate change and generate opportunities.

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Kwasi Ampofo

kampofo1@bloomberg.net

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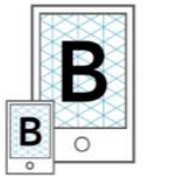


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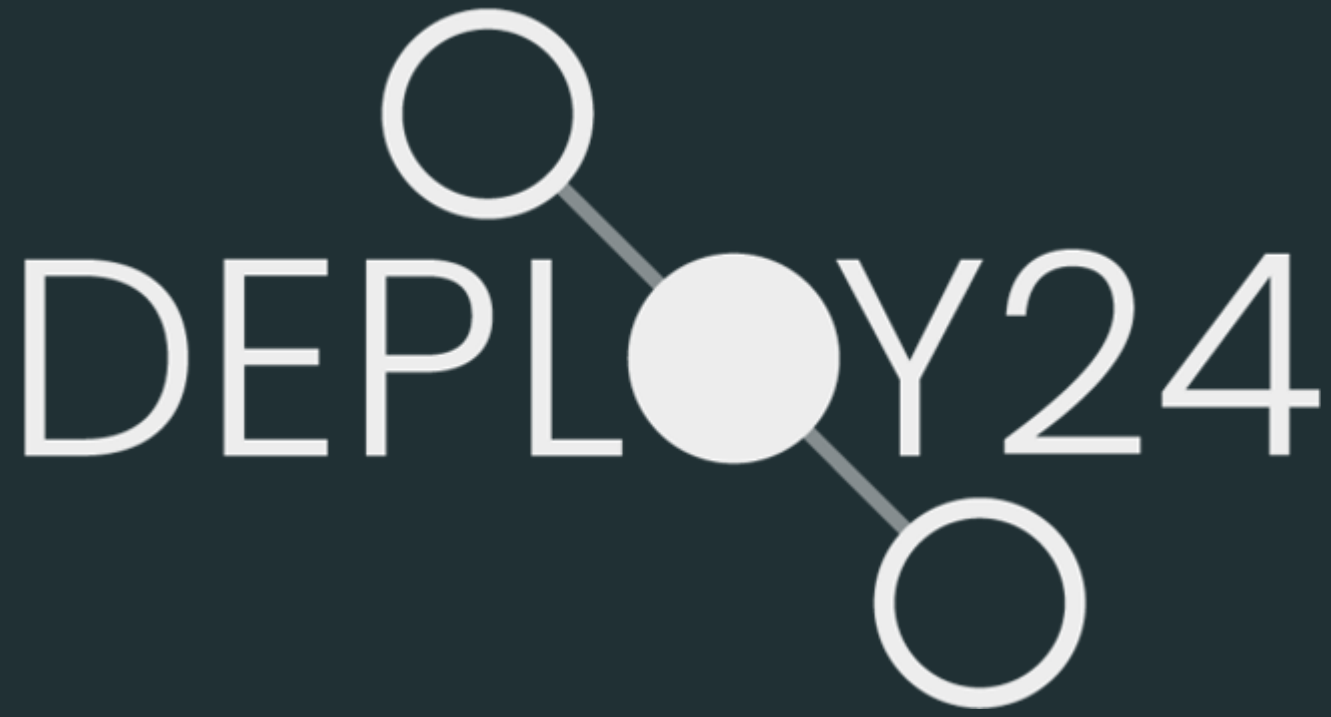
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