



6TH ANNUAL
MINING INVESTMENT
NORTH AMERICA

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Spotlight Presentation: *How Critical Minerals Influence the Energy Transition*

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Cautionary Note Regarding Forward-Looking Statements

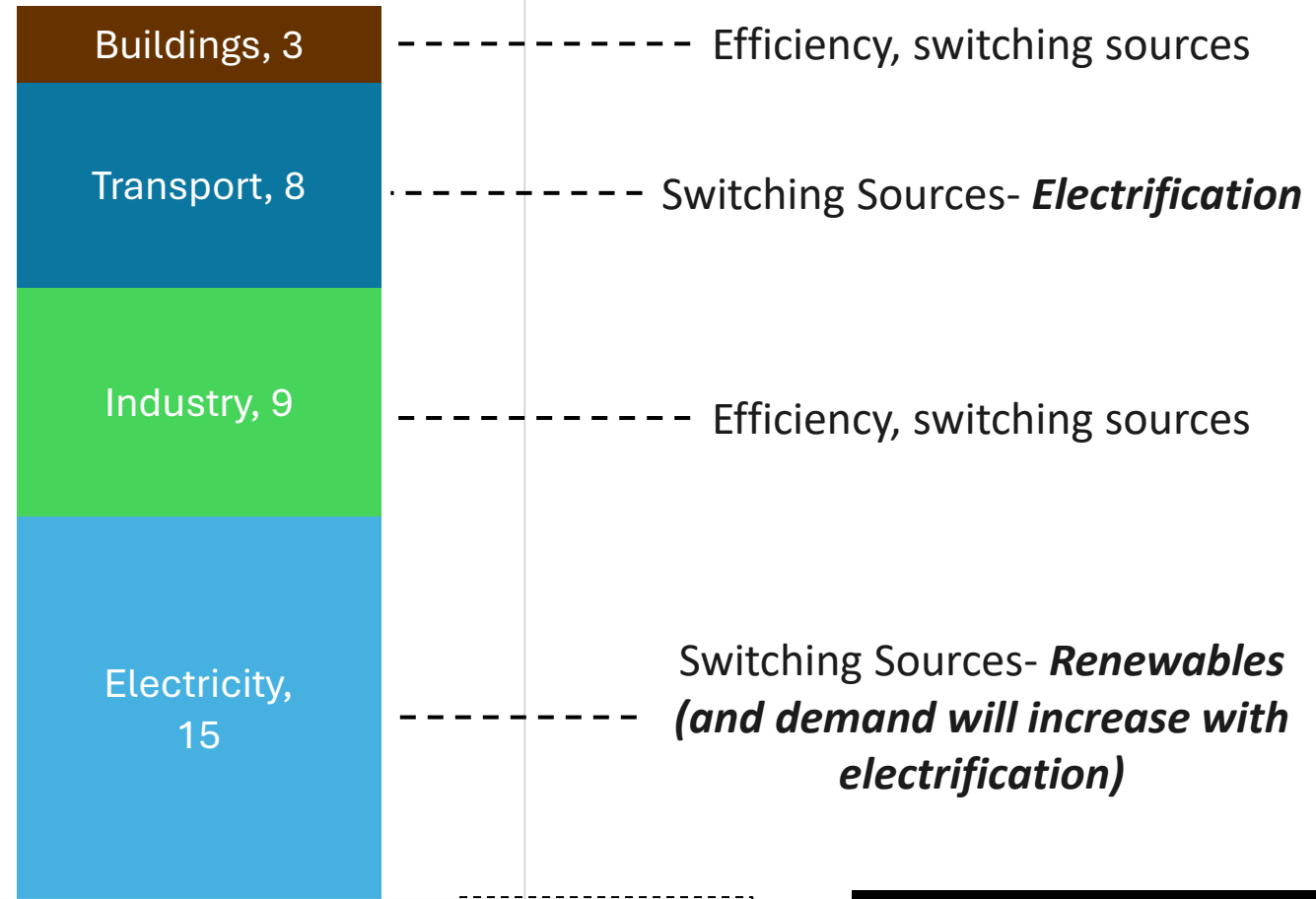
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IPCC critical scenario targets holding the temp increase to + 1.5°C (above *pre-industrial levels*)

Requires a transition to **net-zero Carbon Emissions by 2050**

GLOBAL CARBON EMISSIONS (2022)



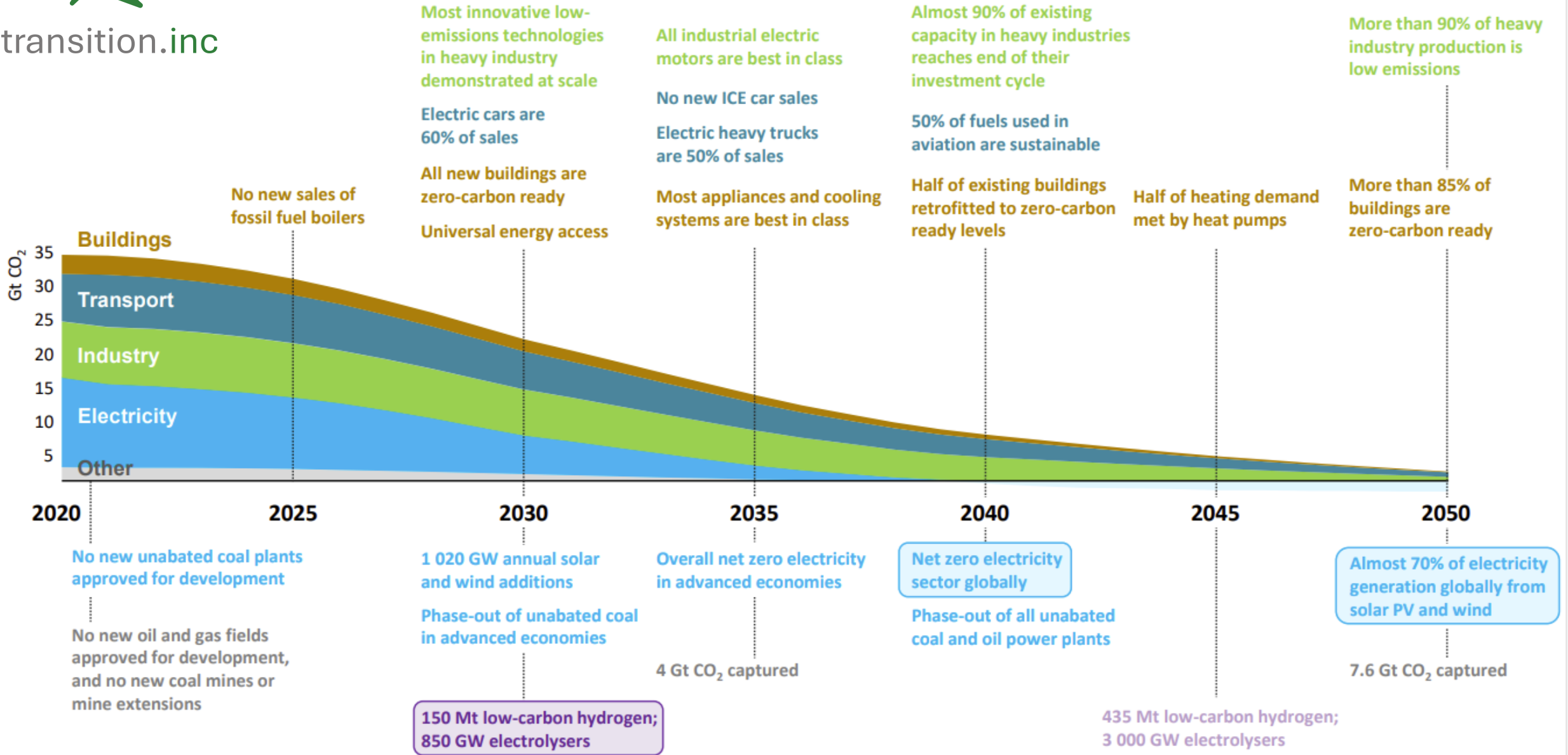
Gigatonnes CO₂
35 Gt

- Carbon Capture (nets out)

Opportunities come from Change. The Energy Transition will bring Immense Change.



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Minerals do not just *Influence* the Energy Transition, They are *Critical* to the future of the Energy Transition

- Copper**- the electrification of everything
- Nickel, Graphite, Lithium, Cobalt**- EV batteries and storage
- Rare Earth Elements**- renewables (wind & solar)
- [**Uranium**- low-carbon electricity (nuclear)]

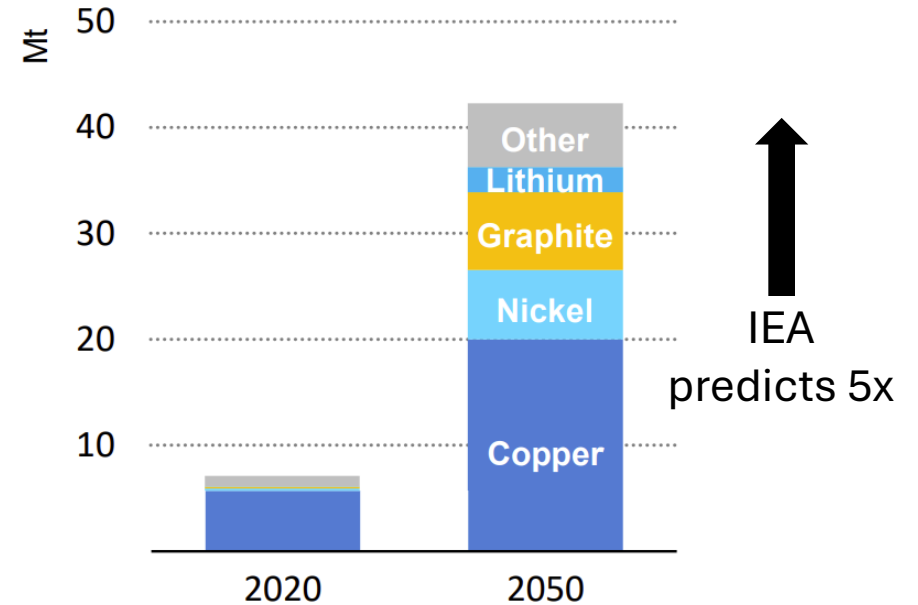


A non-fuel mineral or mineral material essential to the economic or national security of the U.S. and which has a supply chain vulnerable to disruption.

- Nickel, Graphite, Lithium, Cobalt, many REEs
- Not Copper, Uranium
- **50 in total.**

Source: International Energy Agency, USGS, NRCan

Critical minerals demand

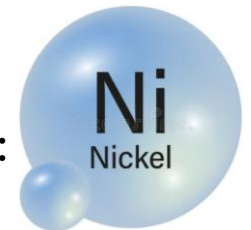


*Needs- threatened supply chain, chance of Canadian production + One of: essential to national or economic security, or Required for the transition to low-carbon and digital economy
Position Canada as a sustainable and strategic global partner*

- **Copper, Nickel, Graphite, Lithium, Cobalt, many REEs**
- Includes **Uranium** and **Silicon Metal**
- **34 in total.**



- Governments of mineral-rich nations see the Energy Transition as an incredible opportunity.
 - Commercial / Monetary fortunes and tax bases growth targeted, but also an opportunity to build soft power
- In future, a continued *Second Cold War* of US Block vs China/Russia Block created opportunities within the trend
 - US's Inflation Reduction Act created nationalist walls around US allies for critical minerals supply
 - TBD what would happen with future US Foreign Policy- even greater protectionism?
- Geology is the first rule of supply potential, leads to interesting arrangements. The Nickel example:
 - China identified the need for nickel supply very early, this explains its hold on Indonesia, before and after the 2019 Export Ban of raw nickel ore
 - Nickel mineralization is scarce in the US (only non-byproduct, Eagle Mine), leads to allies, including Canada.
 - Canadian developers are accessing pools of US government financing (as with other critical mineral supply





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- Earlier this year Rogue Resources pivoted to become **Clean Energy Transition Inc.**, or “**transition.inc**”
- Structurally, the Company (“TRAN” on TSXV) has:
 - **Cash Runway**- more than 2 years of G&A, plus additional marketable securities (see next FS)
 - **Tight Share Structure**- 36.4M shares
 - **Significant Tax Losses**- \$21M Non-Capital, \$8.5M Unclaimed Resource Deductions (as of last Annual FS)
- Strategically, we wanted to profit from opportunities across the Energy Transition

To profit from change, you should focus energy not on fighting for the old, *but on helping build the new.*

Silica/Quartz Business



POTENTIAL- Critical Minerals



POTENTIAL– Add'l Opportunities, in other, Related Fields





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- Today Clean Energy Transition Inc. **announced production and sales** from its Snow White Quartz Project in Ontario
- Samples have been sent to the US and Canada, to customers whose businesses include the production of silicon and ferrosilicon alloys. These customers require test samples to run through their smelters, for performance verification and hopefully then, for negotiation of longterm supply contracts.
- Snow White is 105km west of of Sudbury. It is just over 40km by road from the town of Massey- 25km on highway and 15km on a logging road. The Project is permitted for unlimited annual quartz production.
- Snow White was previously drilled by the Company and it used M.Plan International to complete a NI 43-101 Technical Report which classified a Mineral Resource with:
 - **486,000 Indicated tonnes and 271,000 Inferred tonnes of quartz in the Snow White Main Zone**
 - Subsequent to the Resource, the Company has identified continued quartz, along a 1km trend, and surface-sampled from the nearby **Mirror** and **Pure White Zones**.
- Snow White's quartz has very low impurities and the Company believes, it is an excellent feedstock for silicon metal smelters, specifically to create a product to be used for solar / photovoltaic modules- a growing business for the energy transition. The tonnes of the Snow White Main Zone alone could potentially produce more than 69 gigawatts of solar panels, that is ~10x the current installed solar generation on Canada's power grids**.



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- The tonnes of the Snow White Main Zone alone could potentially produce more than 69 gigawatts of solar panels



- ~10.94 tonnes of low-impurity quartz is required for 1 megawatt of solar panels

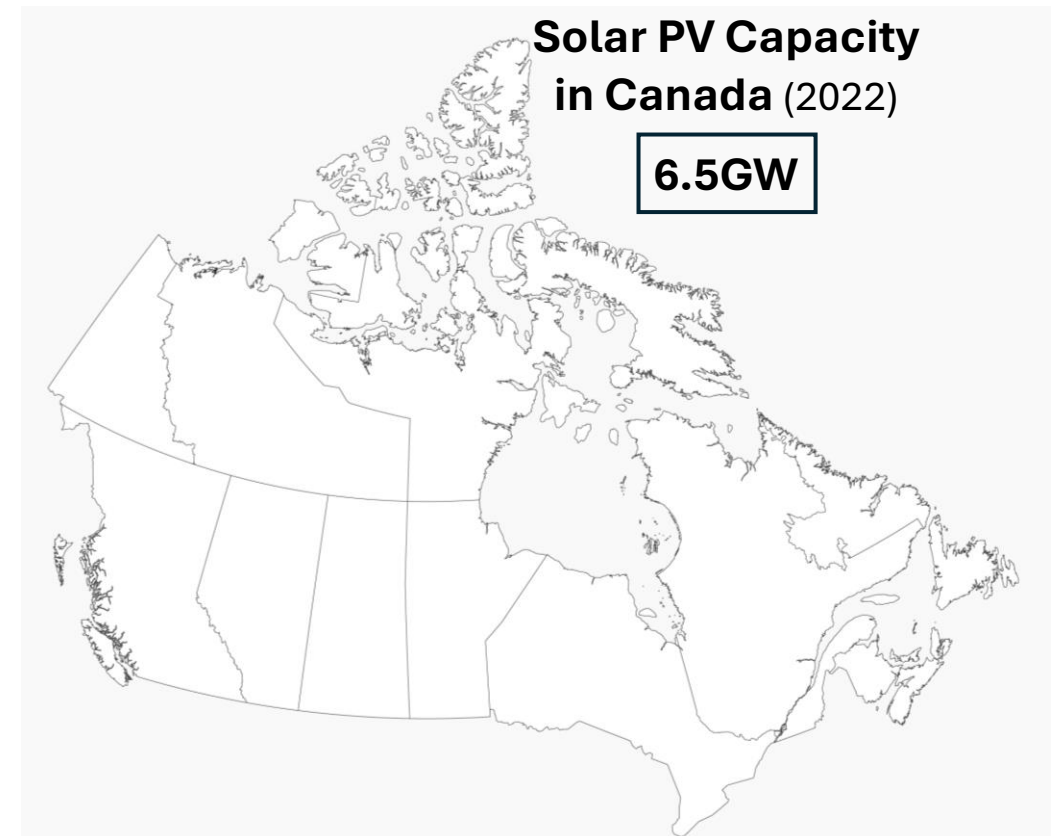
486,000 Indicated tonnes and 271,000 Inferred tonnes of quartz in the Snow White Main Zone
/10.94 = 69.196 megawatts or, 69.2 GW



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- If the Snow White Main Zone could potentially produce more than 69 gigawatts of solar panels that would mean....
- This is potentially ~10x the *current installed solar generation on Canada's power grids*

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In Summary:

- To get to Net Zero, an incredible volume of Critical Minerals will be required
 - IEA estimates 5x growth in Critical Minerals demand, from 2020 to 2050
 - Recycling will eventually play a key role but new supply, will be needed to get the scale rolling
- Within that overall trend, additional opportunities will develop, especially leveraging nationalism and proximity
 - Governments are involving themselves directly in the market, to help secure supply chains
- Clean Energy Transition Inc. is now completely focussed on opportunities related to the Energy Transition

Opportunities come from Change.
The Energy Transition will bring Immense Change.