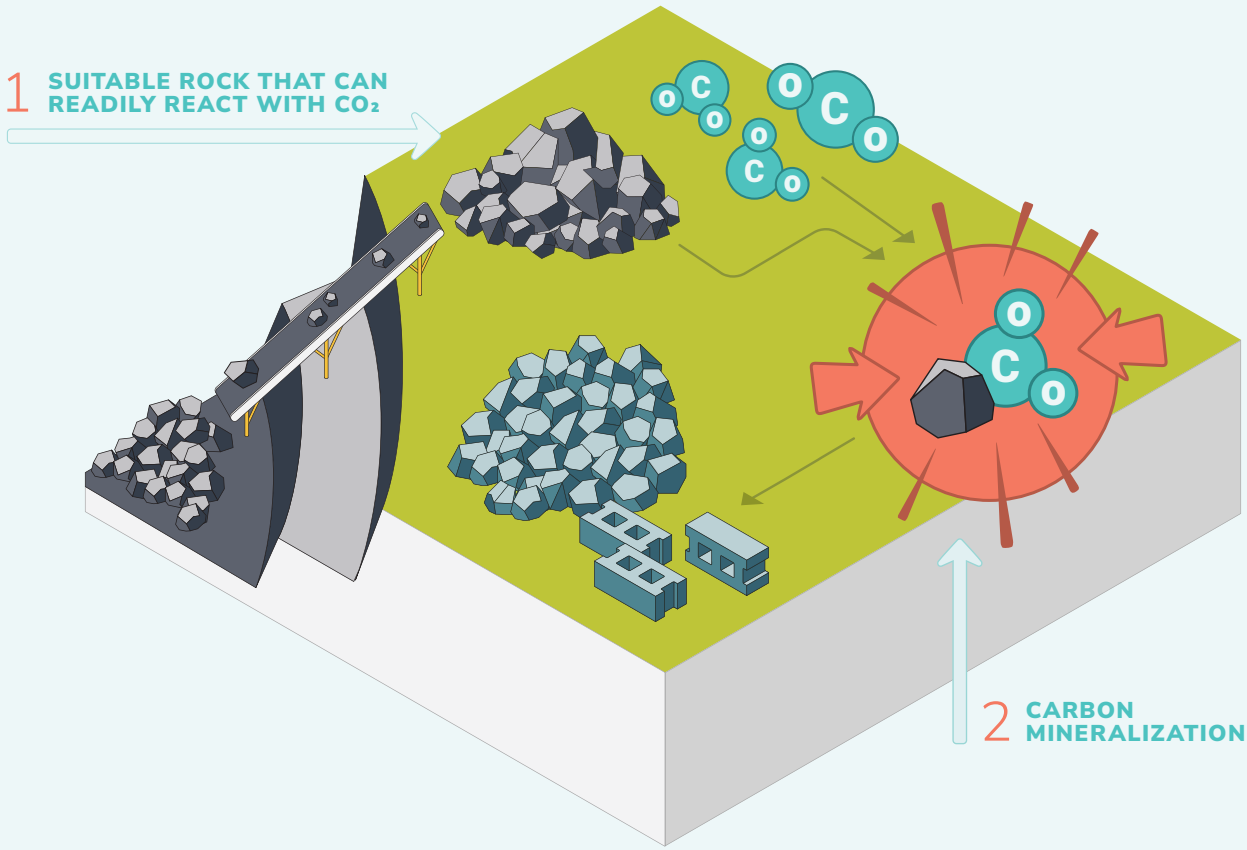
Carbon removal is mineral magic

carbon removal canada

We can't solve climate change without carbon removal

Carbon Mineralization



QUICK FACTS

Future Estimated Cost: $10 - >1,000 per tonne of CO_2
Potential 2050 Global Capacity: ~1 - 10 billion tonnes of CO_2 per year

What is carbon removal?

Carbon removal is the process of cleaning up carbon dioxide (CO_2) *already in the atmosphere* and storing it away for centuries or longer. Even if we cut emissions significantly, Canada cannot reach net-zero without also scaling carbon removal solutions to counterbalance any residual emissions. Beyond net-zero, carbon removal can help tackle historical emissions and turn back the clock on the worst impacts of climate change.

What is Carbon Mineralization?

When CO_2 reacts with certain rocks or materials, it can create minerals that absorb carbon and lock it away for thousands of years above or below the surface. Carbon mineralization is particularly useful in Canada, where we can clean up our atmosphere and environment by repurposing mine tailings for carbon storage or infusing CO_2 into concrete and making it stronger.