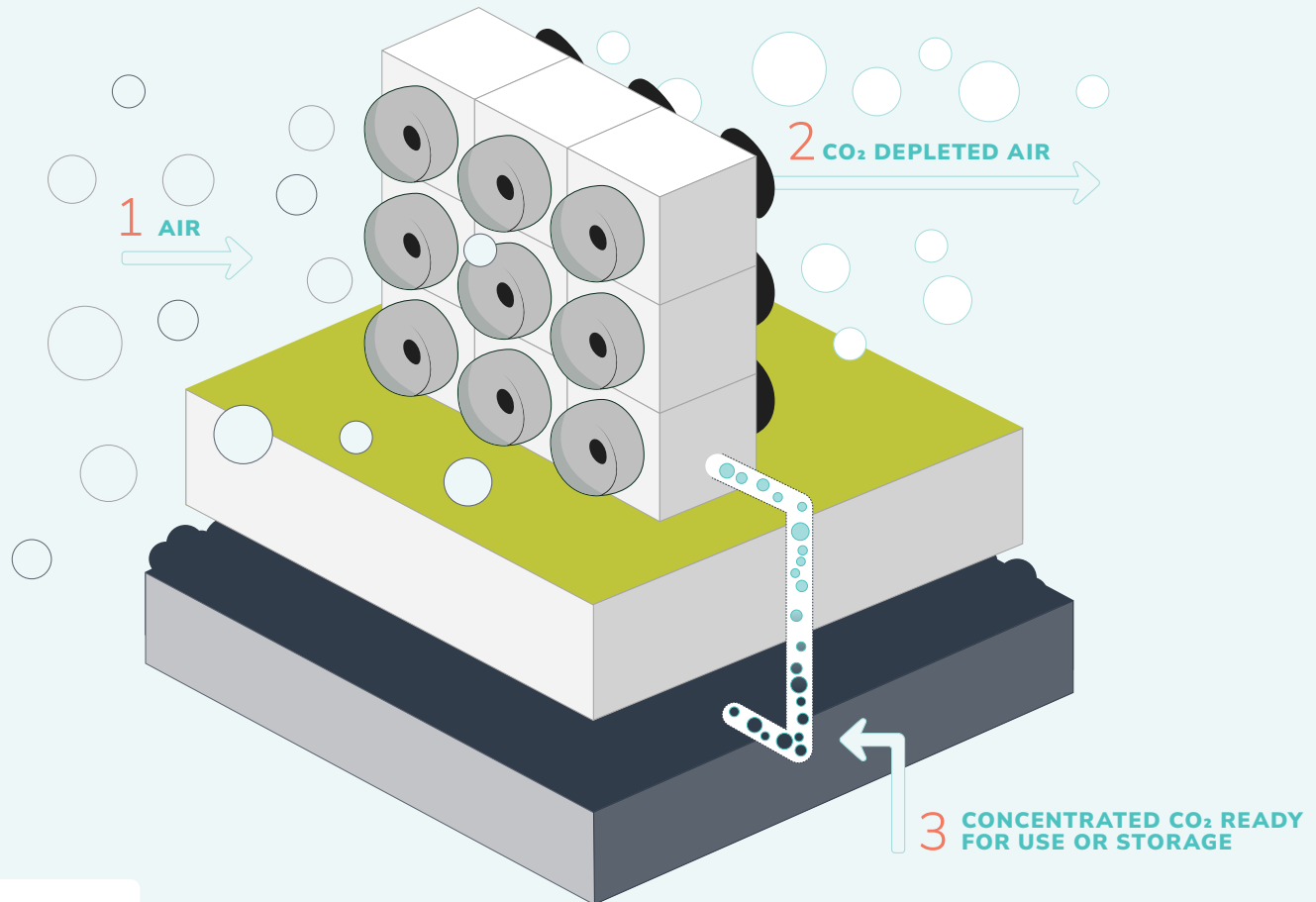


Carbon removal from air to action

We can't solve climate change without carbon removal

Direct Air Capture



QUICK FACTS

Future Estimated Cost: \$100 - \$300 per tonne of CO₂

Potential 2050 Global Capacity: ~5 - 40 billion tonnes of CO₂ per year

Jobs Associated with 20Mt CO₂ Removal Per Year: 11,000 - 14,500 temporary jobs and 5,000 - 7,500 permanent jobs

What is carbon removal?

Carbon removal is the process of cleaning up carbon dioxide (CO₂) 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 Direct Air Capture?

Imagine an air purifier, but on a global scale — that's direct air capture (DAC). A DAC facility, which can be built in many locations, acts like a giant air filter, pulling carbon out of the air and securely storing it away deep underground. Companies can use this carbon to make stronger concrete, produce renewable fuels, or even carbonate your drink.

