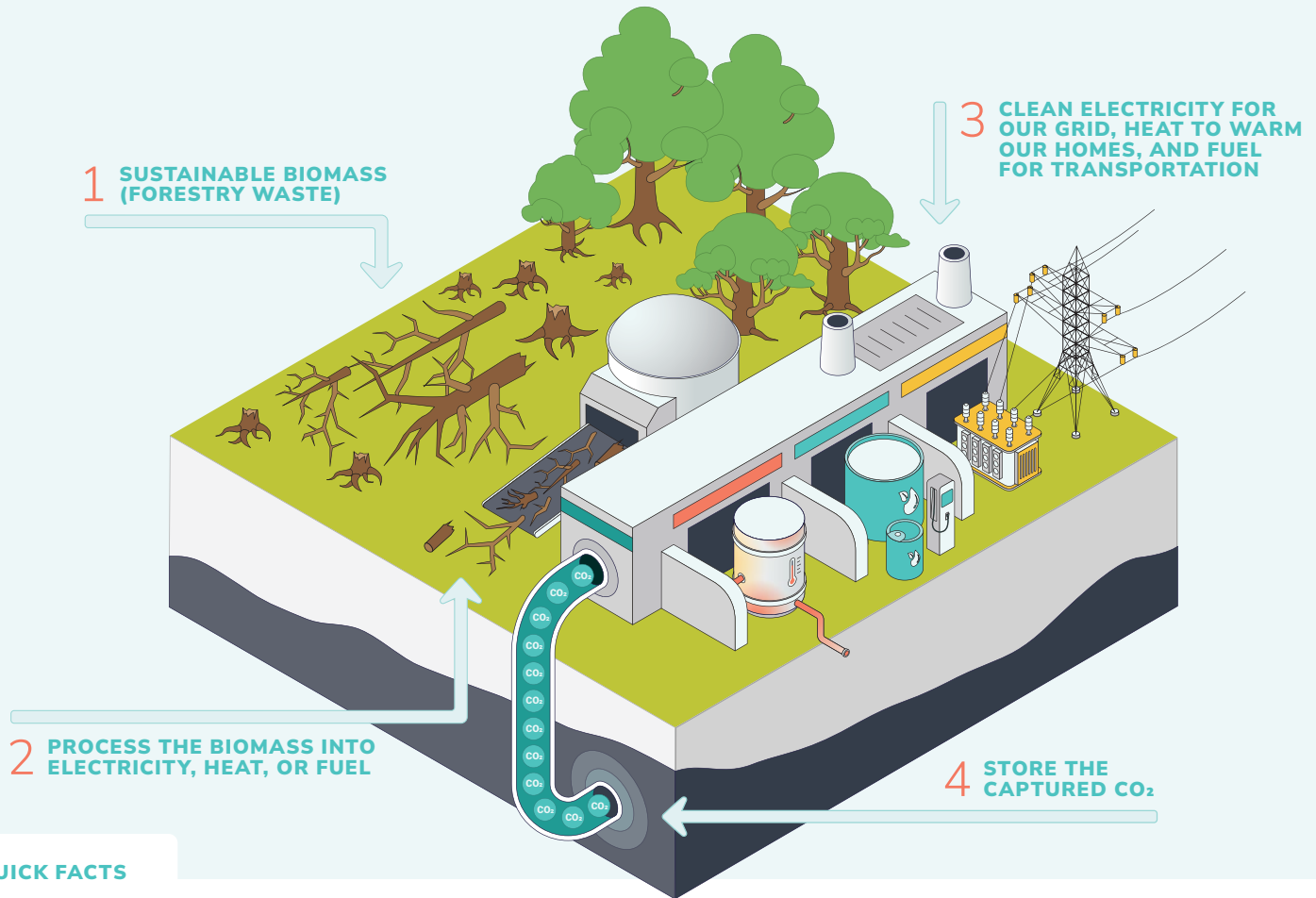


Carbon removal can power cities with plants

We can't solve climate change without carbon removal

Bioenergy with Carbon Capture and Storage



QUICK FACTS

Future Estimated Cost: \$15 - 400 per metric ton of CO₂

Potential 2050 Global Capacity: ~0.5 - 11 billion metric tons of CO₂ per year

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 Bioenergy with Carbon Capture and Storage (BECCS)?

Plant life, like dead trees or leftover crop waste after a harvest, absorbs CO₂ over its lifetime and can be collected and transformed into electricity, heat, or fuel. Normally, the carbon would be re-released when the biomass decomposes; however, carbon capture results in clean energy that can lead to net-negative emissions. We can use Canada's forestry and agricultural industries to keep the lights on, feed our families, and clean up the atmosphere.

