

# BACKGROUND

# CleanBC ROADMAP TO 2030



## About CleanBC

**The Province plans to release the CleanBC Roadmap to 2030 towards the end of this year. This summer we are asking for feedback and input on the Roadmap, starting with these introductory sessions. Engagement on climate action will continue as we move forward collectively to pursue a prosperous, clean and resilient British Columbia.**

CleanBC was launched in 2018 and laid out a pathway to reduce greenhouse gas (GHG) emissions and create a better future for B.C.

Since then, B.C. has been implementing significant new policies and programs, including setting sectoral targets, to get us on the path to meeting our GHG targets. While much has been accomplished, there is still more to do, with many challenges and opportunities ahead.

B.C. remains committed to reducing GHG emissions by 40% below 2007 levels by 2030 and building a low-carbon economy. The Province is developing a CleanBC Roadmap to 2030 to help us get there, on our way to net zero by 2050.

The roadmap will build on CleanBC policies and consider how to expand our toolkit across 9 specific pathways. This includes assessing not only policies, but the kinds of investments, technologies, and other market drivers needed to eliminate carbon across our economy so we use clean energy and waste less.

The innovations and technologies supported through the roadmap also create new opportunities across the province.

# There are 9 potential pathways

## 1 Low-carbon Energy

This pathway may include discussions about opportunities and development in energy efficiencies and clean fuels like; hydrogen, renewable natural gas, low carbon fuel standard, and electricity.

## 2 Industry Decarbonization

Discussions may cover the overall objectives and outcomes of the industry pathway and proposed decarbonization solutions such as electrification, carbon free fuels, carbon removal and sequestration technologies, net zero requirements, and how Indigenous traditional knowledge could be considered and incorporated.

## 3 Oil and gas

Discussion will include potential options and technologies that may be used to reduce carbon dioxide and methane emissions produced by oil and gas sector, in order to position it to meet the Province's oil and gas sectoral target (33-38 percent below 2007 levels) by 2030.

## 4 Transportation

Discussions may explore opportunities to decarbonize personal travel and commercial transportation. Subjects may include: Zero Emission Vehicles (ZEV) availability, sales, charging infrastructure, active transportation, and mode shift (how we get around and how products are delivered).

## 5 Communities

Discussions to explore how we can enhance the measurement and management of corporate and community energy and emissions, plan for complete compact and more energy efficient communities, communities that promote active transportation (walking and biking) and easy access to public transportations. Land use planning, infrastructure and transit component to low carbon mixed use communities.

## 6 Buildings

Discussions may include development on net-zero ready energy code for new construction, high efficiency space, water heating heat pumps and fenestration standards (standards for energy efficiency windows and doors), renovations, retrofits, fuel switching and financing tools to reduce emissions in the existing building stock.

## 7 Circular economy/waste

Discussion on how to rethink the concept of waste, explore innovative ways to reuse waste material so we create less material going to the landfill, close the loop by increasing circular material use, reduce embodied carbon, construction waste, wood waste, and design for disassembly of buildings.

## 8 Bioeconomy agriculture, and fisheries

Topics may include the use of residual materials from forestry and agriculture and their role in development of sustainable fuels, existing Indigenous forest bioeconomy program, the provincial bioproducts strategy (in development), and alignment with the federal 2 billion tree program.

## 9 Negative emissions technology

Discussions on this pathway may include how we can use and scale breakthrough technologies at the demonstration stage that may be required to be in widespread use by 2050, including tech-based approaches that can pull carbon out of the atmosphere while also deliver other environmental, economic, and social co-benefits.