



PARKLAND

SHAPING THE FUTURE OF LOW-CARBON ENERGY

Innovative low carbon fuels

Traditional petroleum infrastructure is converted to manufacture commercial scale low carbon liquid fuels that can supply existing car, trucking, aviation and marine fleets by leveraging existing large-scale refining infrastructure and technical expertise.



Carbon recycling on a commercial scale

Canada has significant amounts of available biomass that can be converted into low carbon feedstocks for liquid fuel. Parkland has successfully co-processed tallow (animal fats) and canola (seed oil) and is working with partners to develop more complicated feedstocks such as forest residuals, wastewater biomass and carbon capture liquids to create higher value products from waste streams.



ENERGY FOR THE FUTURE

The Parkland Refinery is an important component of B.C.'s infrastructure and helps fuel B.C.'s and Canada's economy.

We are committed to becoming a leader in producing greener fuels to help meet the needs of a lower carbon world. Through innovation and significant capital investment we can incorporate increasingly renewable feedstocks to produce low-carbon fuels that will support B.C.'s and Canada's carbon reductions targets.

Parkland Refinery currently has the capacity to manufacture 55,000 barrels per day of gasoline, diesel, jet fuel + other finished products which supply approximately 30% of Greater Vancouver's gasoline, 25% of BC's transportation fuel (gasoline and diesel) and 25% of Vancouver International Airport's jet fuel.

The tangible environmental benefits of co-processing renewable feedstock and traditional crude include:

- Reducing reliance on non-renewable fuels;
- Lowering carbon intensity and GHG emissions of liquid fuels (gasoline, diesel, jet fuel);
- Reducing impact and increasing value of waste residuals (tallow, forest residue, municipal wastes); and
- Leveraging existing refinery infrastructure and technical expertise to facilitate commercial-scale production of renewable fuels.

Parkland is working hard on modernizing its refining processes to produce low-carbon fuels. Transitioning its existing infrastructure means:

- Existing fuel distribution system and customer-facing infrastructure will remain in place;
- No need for new engine design or fleet requirements;
- An easy transition for consumers; and
- Ability to create multiple low-carbon liquid fuel products for marine, aviation, rail and ground transportation.

Refineries will be needed to fuel our economy, even in a low-carbon world. Reaching commercial-scale production of low-carbon fuels will require continued innovation and capital investment as well as a focus on safety and reliability of supply.

Parkland looks forward to producing the low-carbon fuels of the future while continuing to be an industry leader in personal and process safety and the reduction of carbon emissions both in our products and at our facility.