



IRVING

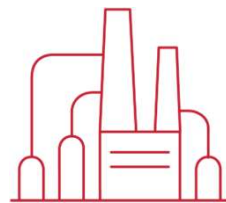
Welcome to the
Irving Oil
Whitegate Refinery



Who we are >



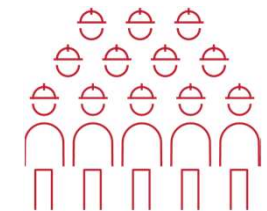
Founded by K.C. Irving in 1924 in his hometown of Bouctouche, New Brunswick, Canada.



Irving Oil Refinery in Saint John, New Brunswick, is the largest in Canada (320k bbls/d). Our Whitegate refinery in Ireland processes 75k bbls/d.



More than 1,100 fuelling locations serve customers throughout the Northeastern United States, Eastern Canada and Ireland.



More than 4,000 employees across all operations in Canada, the United States and Ireland.

Our Whitegate refinery

Crude capacity >

Up to 75,000 barrels per day

Gasoline capacity >

Up to 20,000 barrels per day

Distillate capacity >

Up to 30,000 barrels per day



Historic timeline

- 1959 Refinery construction
- 1982 Purchase by the Irish Government
- 2001 Purchase by TOSCO
- 2001 Tosco becomes Phillips
- 2002 Phillips becomes ConocoPhillips
- 2012 ConocoPhillips becomes Phillips 66
- 2016 Irving Oil acquires the Whitegate Refinery
- 2019 Irving Oil acquires Tedcastle Oil Products (TOP)



Moving toward net zero at Irving Oil

We are committed to being part of the solution, in providing the safe and reliable energy that people need, while taking concrete steps to evolve our business for the future – for our people, our customers and our communities, today and tomorrow.



Our climate commitments

Our climate goal is to reduce greenhouse gas emissions (Scope 1 and 2) across our business by 30% by the end of 2030 and to actively support the aspirations of all our markets to achieve net-zero emissions by 2050.



Energy efficiency/ process improvements

- Flaring reductions
- Electrification
- Cogeneration
- Increased reliability



Clean fuels

- Fuel switching to lower-carbon fuels (propane, hydrogen, natural gas)
- Biofuel blending, production/ co-processing
- Low-carbon intensity biofuels/ advanced biofuels



Renewable/ alternative energy

- Wind and solar power
- EV charging stations
- Hydrogen fuelling stations/ Hydrogen fuel cells



Technologies and partnerships

- Partnerships/ joint ventures
- Green hydrogen/ storage, battery storage
- Carbon capture, storage and use
- Carbon offsets

Taking action to reduce emissions



- At our Whitegate refinery, we blend more than 50% of Ireland's biofuels in diesel and petrol.
- Made with used cooking oil, the renewable diesel has a greenhouse gas emission reduction of over 90% when compared with fossil diesel.
- In 2021, through biofuel blending and renewable diesel production, we have reduced 100,000 tons of carbon emissions (50,000 cars).



Producing 400 barrels per day of renewable diesel



The supply of feedstock is locally sourced – largely from Ireland and others in the European Union



>90%

Renewable diesel production reduces GHG emissions by >90% vs. regular diesel



In 2021, our renewable diesel production equated to taking 50,000 cars off the road through emission reductions

Hydrogen: today and tomorrow >

- Hydrogen represents a compelling opportunity as we collectively look to decarbonize.
- Refineries are strategically positioned to accelerate the development of the hydrogen economy.
- Our Whitegate refinery is Ireland's largest producer and consumer of hydrogen – which is a key component of low-carbon liquid fuels.
- At our Saint John refinery, we have finalized an agreement to purchase a hydrogen electrolyzer, which will allow us to explore further hydrogen production to drive emission reductions at the refinery, as well as provide clean energy solutions for downstream customers.
- We have an immediate market for hydrogen within our refineries.



Cork Harbour: Westward view >



National Energy Park: Cork Harbour >



Whitegate Marine Terminal >



Process units and tankage >

