

ABFC releases annual 'Biofuels in Canada' 2021 report with expanded scope, 2020 data

VANCOUVER November 10, 2021 — Advanced Biofuels Canada (ABFC) announced the release of the *Biofuels in Canada 2021* (BIC) report, with full open-source access to Canadian market data for renewable, low-carbon, and conventional fuels.

This report is fifth in a series commissioned annually by Advanced Biofuels Canada and independently authored by Navius Research, a leading energy and environment quantitative market analysis firm. It provides an evaluation of Canadian renewable and low carbon fuel policies and their impact on fuel consumption, greenhouse gas (GHG) emissions reduction, and consumer costs.

“Canadians need a timely, accurate window into the demand and supply of transport fuels, especially for the growing share of advanced biofuels. The 2021 BIC report continues to evolve to keep pace with our dynamic fuels sector and it has become an indispensable resource for industry, policy makers, and researchers. The impact of emerging practical solutions, such as electric mobility and refinery co-processing, are new to this report, and we’ll continue to expand the scope of the research to track the market transformation away from fossil fuels,” said ABFC President Ian Thomson.

The annual report calculates the volumes of renewable and petroleum transportation fuels consumed in each Canadian province, and characterizes these calculations by fuel type, feedstock, and carbon intensity. Clean fuels profiled include ethanol, biodiesel, and hydrogenation-derived renewable diesel (HDRD); bio-based feedstocks co-processed with crude oil in a conventional refinery are also analyzed.

New analyses in the 2021 edition also include: estimated results for 2020; an update on the impact of light-duty electric vehicles on fuel consumption and GHG emissions; and the estimated contribution of co-processed fuels on fuel consumption and GHG emissions.

The report’s highlights for the past decade (2010-2019) include:

- Biofuel consumption increased as follows: ethanol (+75%; to 2,985 ML), biodiesel (+191% to 360 ML), and renewable diesel (+1,077% to 432 ML).
- Annual avoided greenhouse gas emissions from biofuel consumption increased from 2.1 Mt in 2010 to 6.4 Mt in 2019 (+205%). Total avoided emissions were 47 Mt CO₂e.
- Biofuel consumption in Canada has reduced consumer fuel costs by \$2 billion.
- Volumetric taxation of biofuels and the improper application of carbon taxes on biofuels have generated surplus tax revenues to governments of \$2.4 billion. Fair taxation of biofuels would have reduced consumer fuel costs by \$231 million in 2019.
- In 2019, the national blending rate for ethanol in gasoline was 6.5%, and biodiesel and HDRD blends totaled 2.9% in diesel fuels.

“The report makes a clear case for new action by federal and provincial governments to strengthen renewable and low carbon fuel regulations to increase renewable content in fuels. Canada can’t meet 2030 or 2050 transportation GHG goals without significantly increasing low-carbon biofuel content in gasoline and diesel; our fuel regulations have proven affordable and effective in reducing greenhouse gases. But, taxing these fuels on a volumetric basis is perverse; it makes low-carbon fuels more expensive than fossil fuels and slows our transition off of fossil fuels,” stated Thomson. “Investments in new and expanded production of advanced biofuels and non-fossil synthetic fuels are poised to boost Canada’s

cleantech sector and add new jobs across the country, but we need to align the fuel tax systems and strengthen the regulatory signals to hit our targets.”

The full report and data tables are available at: <https://www.naviusresearch.com/publications/2021-biofuels-in-canada/>

Advanced Biofuels Canada/ Biocarburants avancés Canada is the national voice for producers, distributors, and technology developers of advanced biofuels and renewable synthetic fuels. Our members are global leaders in commercial production of these functional, scalable fuels, with over 15 billion litres of installed annual capacity worldwide. Our members include Canada’s leading advanced biofuels producers and technology innovators which are actively developing new clean liquid fuels production and distribution assets and operations in Canada. For information on Advanced Biofuels Canada and our members, visit: www.advancedbiofuels.ca.

Ian Thomson, President, Advanced Biofuels Canada
+1 778 233 3889 ithomson@advancedbiofuels.ca www.advancedbiofuels.ca

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