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# BC BIOENERGY NETWORK



# 2025 YEAR IN REVIEW

# ABOUT BC BIOENERGY NETWORK

BC Bioenergy Network (BCBN) facilitates strategic partnerships to identify low carbon solutions in a dynamic regulatory environment.



## *Partnering for a Greener Future*

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# MORE ABOUT BCBN

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## WHO

BCBN guides the development of the bioenergy sector in British Columbia as a facilitator of strategic partnerships to attract investment from private and public sources, BCBN advances the production and use of low carbon fuels in the province to displace fossil fuels, spur innovation, and support economic development.

## WHAT

- Development of Life Cycle Assessment Education for Clean Fuels
- Project Management and Oversight
- Network Building and Event Hosting
- Investment Attraction and Funding Coordination

## WHY

- **Reduce GHG Emissions:** There is a global need to reduce GHG emissions and mitigate our effect on the environment.
- **Accelerate Innovation:** There is a need to accelerate the move to low carbon solutions in transportation and other sectors of the economy.
- **Reach Government Targets:** BCBN has a critical role in supporting the Province of B.C. toward its GHG emission reduction targets in the CleanBC Roadmap to 2030.
- **Move from Planning Phase to Commercial Scale Operations:** BCBN acts as a catalyst to move projects from the planning phase into commercial deployment at scale, including efforts to attract investment and remove barriers to deployment.

## HOW

- **Strategic Partnerships:** Form strategic partnerships with local, national and international entities to fund purpose-driven research and feasibility studies in the low carbon fuels sector.
- **Convene Key Stakeholders:** Convene key stakeholders in the low carbon fuels sector to enable a coalition approach to identify solutions for complex challenges.
- **Project Leadership:** BCBN leads projects from the development of a request for proposal to proponent selection, project management and completion.
- **Advisor to Government:** Use our knowledge and information from research and project activities to advise government on the strategic direction of the low carbon fuels sector in B.C., Canada and internationally to meet climate change targets.
- **Capacity Building and Training Programs:** Develop and facilitate training, education and capacity building programs through workshops, webinars, conference sponsorship, and the West Coast Bioenergy Guild to strengthen the low carbon fuels network in B.C. and Canada.
- **Event Management:** Plan and host virtual and in-person events to facilitate information exchange related to innovation and policy developments in the bioenergy sector.



# MICRO-CERTIFICATE PROGRAMS: LIFE CYCLE ASSESSMENT OF CLEAN FUELS



In 2025, BC Bioenergy Network (BCBN), in partnership with the **University of British Columbia's Faculty of Forestry and Environmental Stewardship**, continued to expand its **Life Cycle Assessment (LCA) micro-certificate programs** to support workforce readiness and regulatory capacity in the clean fuels sector.

The micro-certificates are designed for professionals working across fuels, energy, policy, and sustainability, with a strong emphasis on **applied LCA modelling, carbon intensity analysis, and clean fuel regulatory frameworks** in Canada and North America.



## LCA OF CLEAN FUELS FOUNDATIONAL MICRO-CERTIFICATE

The **Life Cycle Assessment of Clean Fuels** micro-certificate serves as the **foundation of the program pathway**. Participants develop core LCA competencies and gain hands-on experience using tools such as the **Canadian Fuel LCA Model** and **GHGenius**, with applications aligned to the **Clean Fuel Regulations** and the **B.C. Low Carbon Fuels Act**.

The program successfully delivered its **third cohort in Fall 2025** with **24 participants**, and was led by **Anna Ringsred (Beavers)**, Senior Manager, Energy Compliance Services at Weaver

"The program provided a comprehensive overview of life cycle assessment and its application to clean fuel policy, enabling participants to perform higher-level LCA assessments and determine carbon intensities using multiple tools."

**Lorelei Magdzik**

*Environmental Engineer, EIT  
Tidewater Midstream and Infrastructure*

"The Life Cycle Assessment of Clean Fuels program provided hands-on experience with the Fuel LCA model and enhanced my understanding of how clean fuel policies are used to calculate carbon intensity under Canada's Clean Fuel Regulations."

**Alex Lee**

*Principal, Chief Climate Change Officer  
Emerald Terra Climate Solutions*

# Life Cycle Assessment (LCA) of Clean Fuels Micro-Certificates

Build Practical, Career-Ready Skills in Clean Fuel Modelling



## ADVANCED LCA OF CLEAN LIQUID FUELS ADVANCING SPECIALIZATION IN CLEAN FUEL LCA

In 2025, BCBN launched the **Advanced Life Cycle Assessment of Clean Liquid Fuels** micro-certificate, marking a significant expansion of the micro-certificate portfolio.

The program focused on advanced modelling of **clean liquid fuel pathways**, including **biodiesel**, **renewable diesel**, and **sustainable aviation fuel**. Participants applied **GHGenius**, the **Canadian Fuel LCA Model**, and **CA-GREET** to real-world scenarios, with an emphasis on compliance with Canada's Clean Fuel Regulations, B.C.'s Low Carbon Fuel Standard (LCFS), and California's LCFS regulations.

The first cohort was delivered in Fall 2025, with **13 participants**. Instruction was led by **Anna Ringsred (Beavers)** and **Logan Leduc**, Senior Manager, Canadian Programs, Targay, combining regulatory expertise with applied LCA modelling experience across Canadian and North American clean fuel frameworks.



## ADVANCED LCA OF CLEAN GASEOUS FUELS EXPANDING TO GASEOUS FUELS

In 2025, BCBN advanced work on a third micro-certificate, **Advanced Life Cycle Assessment of Clean Gaseous Fuels**, expanding its LCA education pathway to include **renewable natural gas** and **hydrogen**. The program reflects growing policy and market interest in gaseous fuel pathways and the increasing importance of robust LCA methodologies in clean fuel regulation.

Together, the three micro-certificates form a **structured LCA education pathway**, supporting professionals at different stages of their careers and strengthening technical capacity across Canada's low-carbon fuels ecosystem.

### KEY INFORMATION

**Format:** online

**Duration:** 7-8 weeks of learning

**Commitment:** 7-8 hours a week

**Learn More about the Programs:**

[bcbioenergy.ca/portfolio/micro-certificate-life-cycle-assessment-of-clean-fuels/](https://bcbioenergy.ca/portfolio/micro-certificate-life-cycle-assessment-of-clean-fuels/)

# WEST COAST BIOENERGY GUILD 2025

West Coast Bioenergy Guild is a regular educational networking event hosted by BC Bioenergy Network since 2009. Special guests share their insights and highlights from the bioenergy sector followed by a group discussion.

## Special Guests

February



**AURORA MARSTOKK**  
Project Manager



**JOTHAM PETERS**  
Managing Partner

Navius Research Inc.

Presentation topic: "Exploring the Unknown Unknowns: BC's Low Carbon Fuels Market Under Uncertainty"

March



**KAVANAGH MANNAS**  
Vice-President of Corporate Development  
Canary Biofuels Inc.

Presentation topic: "Biofuels in 2025 - Why is this still so hard?"

May



**AMIT BHARGAVA**  
CEO  
EnviroApps Inc.

Presentation topic: "Low Carbon, High Efficiency: Shipping Compliance Made Easy for Bioenergy"

June



**JANE BRACKEN**  
Manager of Operational Excellence & Continuous Improvement  
Parkland Refining

Presentation topic: "The Continuing Journey to Produce Low Carbon Fuels at the Burnaby Refinery"

July



**TARIQ AL BARWANI**  
CEO  
STROM Futures

Presentation topic: "Understanding the BC OBPS and How to Monetize Your Credit"

September



**PETER ZONNEVELD**  
President  
Neste US

Presentation topic: "Change Runs on Renewables"

# BC SMART LOW CARBON FUELS CONSORTIUM

## Project Title:

**BC Sustainable Marine, Aviation, Rail and Truck Low Carbon Fuels Consortium**

## Consortium Members:



BCBN funded the establishment and growth of the BC Sustainable Marine, Aviation, Rail and Truck (BC SMART) Low Carbon Fuels Consortium. BC SMART leverages industry and government support to develop “software” recommendations such as policy and regulatory measures as well as “hardware” recommendations that identify supply chain and infrastructure to facilitate the production of low carbon transportation fuels in B.C.

Nearly 20 organizations including Air Canada, WestJet, Boeing, YVR Airport Authority, CP Rail, CN Rail, and Seaspan executed a memorandum of understanding to collaborate on the decarbonization of the transportation fuels they consume including gasoline, diesel, jet and marine fuels. BC SMART publishes a newsletter, hosts theme-driven workshops, and publishes reports that evaluate low carbon fuel options in B.C. for these sectors.

## Events:

### Workshop, February 2025

How do we decarbonise refineries and produce low-CI jet / biojet / SAF?

## Newsletters:

### Issue 15, March 2025

BC-SMART Workshop: “How do we decarbonise refineries and produce low-CI jet / biojet / SAF?”

## Related IEA Bioenergy Task 39 Newsletters:

### Issue 69, December 2025

Biofuels production and development in Norway

### Issue 68, October 2025

Biofuels production and development in Denmark

### Issue 67, June 2025

Biofuels Policies and Market in Brazil

## Read More about BC SMART:

[bc-smart.ca](http://bc-smart.ca)

# HIGHLIGHTED EVENTS 2025

## Clean Fuels Canada Summit



March 25–26, 2025, Calgary, AB

The two-day summit convened industry leaders, policymakers, and innovators for panel discussions and workshops focused on clean fuel infrastructure, policy, incentives, and emerging technologies supporting Canada's low-carbon energy transition.

## COFI 2025 Convention



April 2–4, 2025, Prince George, B.C.

The convention, themed "Where Do We Stand? Strategies for Competitiveness and Sustainability," brought together forest sector leaders to discuss innovation, competitiveness, and sustainability, and to engage with government, First Nations, and community representatives on the industry's future.

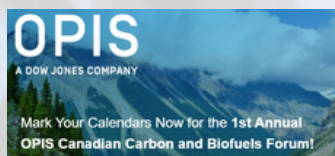
## Forest Innovation & Bioeconomy Conference



May 6–8, 2025, Vancouver, B.C.

The conference highlighted advances in bio-sourced products and bioproduct research, bringing together researchers, industry innovators, and policymakers to explore commercialization opportunities, cross-sector collaboration, and the delivery of socio-economic benefits.

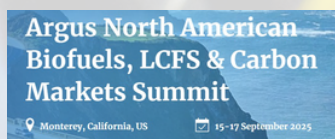
## 1st Annual OPIS Canadian Carbon and Biofuels Forum



May 20–21, 2025, Vancouver, B.C.

The forum convened industry leaders and policymakers to examine developments in clean fuel and carbon markets, with sessions on LCFS compliance, credit trading, regulatory updates, market trends, and the role of low-carbon fuels in Canada's energy transition.

## Argus North American Biofuels, LCFS & Carbon Markets Summit



September 15–17, 2025, Monterey, CA, U.S.

The three-day summit brought together more than 650 regulators, government officials, and industry leaders to discuss regulatory updates, market trends, and policy developments shaping biofuels and carbon markets across California, the West Coast, and Canada.

## WPAC Annual Conference 2025



September 23–24, 2025, Halifax, NS

The conference brought together hundreds of pellet, biomass, and bioenergy professionals from Canada, the United States, Europe, and Asia to discuss key industry issues and global and domestic market developments.

## Value of Biogas WEST 2025



October 6–8, 2025, Calgary, AB

The three-day conference brought together more than 400 biogas and renewable natural gas stakeholders for technical programming, a site tour, an expanded exhibitor area, and networking focused on advancing the sector.

## Canada Clean Fuels and Carbon Markets Summit 2025



November 5, 2025, Calgary, AB

The summit examined how environmental markets and policy are shaping Canada's energy transition, featuring data-driven sessions on clean fuels, carbon markets, and market design supporting economic resilience and climate objectives.

## Scaling Up Bio 2025



November 12–14, 2025, Ottawa, ON

The conference, themed “Accelerating Deep Decarbonization,” brought together industry leaders, policymakers, financiers, and innovators to examine bio-based feedstocks, clean fuels, circular solutions, sustainable aviation fuel, global policy, and Indigenous leadership supporting Canada's net-zero goals.

## CONVERGE 2025



November 19, 2025, Vancouver, B.C.

Hosted by NorthX Climate Tech, the event brought together founders, investors, industry leaders, and policymakers to strengthen collaboration and investment supporting climate solutions and economic development across Canada.

## GreenShip 2025



November 20–21, 2025, Vancouver, B.C.

The conference convened maritime stakeholders, including industry, regulators, and academia, for focused discussions and networking on practical approaches to decarbonizing shipping and port operations.

## BPI Connect 2025



December 11, 2025, Vancouver, B.C.

The event highlighted scientific and technical advances in sustainable bio-based materials, providing a platform for knowledge sharing, networking, and recognizing progress toward more sustainable bio-based solutions.

## Prairie Bioeconomy Guild: Innovate SynBioSpark



March 12, 2025, Edmonton, AB

Hosted by BioAlberta, the event explored advances in synthetic biology and the bioeconomy, featuring Alberta's iGEM participation, including the ReneWool project, and provided opportunities for expert insights and industry networking.

# ONLINE EVENTS:

## PEIA Energy Breakfast Meetings



PACIFIC ENERGY INNOVATION ASSOCIATION

Hosted by the Pacific Energy Innovation Association, these hybrid events brought together energy professionals for expert discussions on battery storage, grid intelligence, data centres, AI, emissions reduction technologies, and clean energy policy, with regular in-person and virtual participation. [Learn More.](#)

## EcoEngineers Webinars and LCA Academy



EcoEngineers delivered webinars and training on life cycle assessment, clean fuels, carbon markets, and climate accounting, alongside its LCA Academy, supporting practitioners with regulatory updates, best practices, and decision-making related to clean fuels and carbon management.

## ISCC Webinar: Certification of Co-Processing under ISCC EU



This webinar, hosted on June 4, 2025, focused on recent developments in the certification of co-processing units and their products under the ISCC EU scheme. It highlighted key additions to the updated ISCC guidance for co-processing. [View the Presentation](#)

## Driving Toward Net Zero: Carbon-14 Analysis in Biogenic Carbon Testing



SGS Beta hosted a webinar on carbon-14 analysis, examining regulatory trends, testing principles, and applications for verifying biogenic carbon content to support compliance, sustainability, and innovation across fuel and material standards. [Watch the Recording.](#)

## IEA Bioenergy Webinar: Synergies of Renewable Hydrogen and Biobased Value Chains



The webinar, hosted on May 6, 2025, examined integration of renewable hydrogen into biobased value chains, featuring case studies on biomass-based hydrogen and green hydrogen applications in biofuels and biorefining, as part of an intertask project led by Task 40. [Watch the Recording.](#)

## Argus Webinar: e-Fuels and Opportunities for e-SAF



Argus experts examined demand drivers, growth potential, capacity developments, and scaling challenges for e-SAF, sharing insights on the role of e-fuels in sustainable aviation fuel markets. [Watch the Recording.](#)



# B.C. BIOENERGY NEWS HIGHLIGHTS 2025



## NorthX Invests \$1M in Two B.C.-Based Industrial Decarbonization Technologies

(BCBN Newsletter Dec 2025)

NorthX Climate Tech invested \$1 million in Vertogen Technologies and Rockburst Technologies to support industrial decarbonization in British Columbia, advancing RNG production efficiency and CO<sub>2</sub>-based rock fracturing to reduce emissions and energy use. [See Details.](#)



## Investing in Increased Utilization to Maximize Regional Benefits

(BCBN Newsletter Dec 2025)

The Forest Enhancement Society of BC invested \$1.5 million in a northern B.C. project to recover low-value wood fibre, reducing wildfire risk, avoiding an estimated 18,750 tonnes of CO<sub>2</sub> emissions, and supporting local employment through biomass supply. [See Details.](#)



## “Show Me, Don’t Tell Me”: CleanBC Review Calls for More Made-in-B.C. Biofuels

(BCBN Newsletter Dec 2025)

Advanced Biofuels Canada Association welcomed the Rising to the Moment – Renewing CleanBC review, which emphasized aligning B.C.’s energy system with global standards while accelerating made-in-B.C. biofuel production to support affordability and economic resilience. [See Details.](#)



## Arbios Plans to Scale Up Bio-Oil Production

(BCBN Newsletter Sep 2025)

Arbios Biotech advanced plans to expand commercial bio-oil production at its Prince George facility, using hydrothermal liquefaction of forest residuals to supply marine and aviation markets, in partnership with the Lheidli T’enneh First Nation. [See Details.](#)



## New Director Appointed to Lead UBC’s Clean Energy Research Centre

(BCBN Newsletter Aug 2025)

Dr. Patrick Kirchen was appointed Director of UBC’s Clean Energy Research Centre in July 2025, bringing leadership experience from his roles as Associate Director of CERC and co-lead of the Urban Freight Emission Program. [See Details.](#)

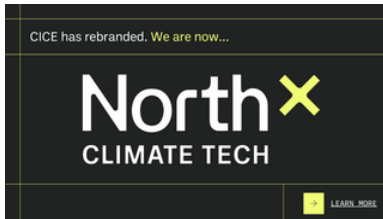


## Hartland Landfill Producing Renewable Natural Gas for FortisBC

(BCBN Newsletter June 2025)

The Capital Regional District, FortisBC, and Waga Energy Canada began RNG production at the Hartland Landfill, Vancouver Island’s first RNG facility, using WAGABOX® technology to inject up to 360,000 gigajoules annually into FortisBC’s system, reducing long-term emissions. [See Details.](#)

# B.C. BIOENERGY NEWS HIGHLIGHTS 2025



## **CICE Rebrands as NorthX Climate Tech to Accelerate Climate Hard Tech Innovation**

(BCBN Newsletter June 2025)

The BC Centre for Innovation and Clean Energy rebranded as NorthX Climate Tech, reflecting a strategic shift to scale climate hard tech. Since 2021, the organization supported 65 projects, created over 800 jobs, and expanded its investment tools. [See Details.](#)



## **Biodiesel Magazine: Fueling Canadian Decarbonisation**

(BCBN Newsletter June 2025)

The article highlighted Canada's first SAF production at Parkland's Burnaby Refinery, growing ethanol and biodiesel use, competitiveness pressures from U.S. incentives, and British Columbia's leadership with North America's first SAF mandate, underscoring the need for stable, technology-neutral policy support. [See Details.](#)



## **UBC Launched Bioenergy Training for Remote Indigenous Communities**

(BCBN Newsletter May 2025)

UBC's Faculty of Forestry and FPInnovations launched a bioenergy training program at the Alex Fraser Research Forest, providing hands-on experience with biomass power systems to support diesel displacement in remote and Indigenous communities. [See Details.](#)



## **Arbios Biotech Completed Biomass-to-Bio-Oil Facility in Prince George**

(BCBN Newsletter March 2025)

Arbios Biotech completed its biomass-to-bio-oil facility in Prince George, converting wood residues into renewable bio-oil for industrial decarbonisation and supporting British Columbia's climate objectives and circular bioeconomy development. [See Details.](#)

# CANADA BIOENERGY NEWS HIGHLIGHTS 2025

(BCBN Newsletter Dec 2025)

## ABFC Applauds Canada's Commitment to the Belém 4X Sustainable Fuels Pledge

Advanced Biofuels Canada welcomed Canada's participation in the Belém 4X Pledge to quadruple sustainable fuel use by 2035, highlighting its role in accelerating investment, aligning carbon accounting, expanding clean fuel trade, and strengthening the \$19 billion domestic clean fuels sector. [See Details.](#)



(BCBN Newsletter Oct 2025)

## New Federal Biofuels Program Levels the Playing Field for Canadian Producers and Farmers

Advanced Biofuels Canada welcomed a new federal per-litre production credit and proposed Clean Fuel Regulations updates, aimed at restoring competitiveness for Canadian biofuel producers, supporting feedstock markets, and enabling facilities to restart or scale up production. [See Details.](#)

(BCBN Newsletter Oct 2025)

## Canadian Biofuels Reach Major Milestones Despite Challenges

Canada's biofuels sector reached major milestones, with ethanol use rising to 4.2 billion litres and biomass-based diesel nearing 1.5 billion litres, reducing emissions by 13.3 million tonnes, lowering fuel costs, and underscoring the importance of stable policy support. [See Details.](#)

(BCBN Newsletter Oct 2025)

## Biomass Canada Newsletter

Biomass Canada highlighted innovation across Canada's bioeconomy, including photorefineries for hydrogen and biochemicals, advanced pyrolysis units producing biochar, a First Nations-led biorefinery targeting SAF and renewable diesel, and new online courses on biomass and advanced biofuels. [See Details.](#)



(BCBN Newsletter Sep 2025)

## WPAC Promotes Dr. Fahimeh Yazdan Panah to Associate Executive Director

The Wood Pellet Association of Canada promoted Dr. Fahimeh Yazdan Panah to Associate Executive Director, recognizing her leadership in research, technical development, and international collaboration since joining WPAC in 2019. [See Details.](#)

(BCBN Newsletter Sep 2025)

## EnviroApps Granted Equivalency Certificate by Transport Canada

EnviroApps Inc. received an Equivalency Certificate for electronic TDG shipping documents, reducing administrative burden for clients and supporting regulatory modernization, digital adoption, and efficiency in Canada's transportation system. [See Details.](#)

(BCBN Newsletter Aug 2025)

## Bioenergy Can Help Mitigate Wildfires in Canada's North

Research scientists at NRCAN are working toward a solution that combines clean energy development with wildfire mitigation to help solve growing wildfire risk and energy security challenges across northern Canada. [See Details.](#)

(BCBN Newsletter June 2025)

## Ontario Invests \$11.3 Million Under Forest Biomass Program

The Government of Ontario is protecting workers and jobs in the forest sector by investing \$11.3 million in five research, innovation, and modernization projects in northeastern Ontario. These investments, made through the Forest Biomass Program, will help accelerate the competitive advantage of Ontario's forest sector by creating new jobs, increasing productivity, and identifying new revenue streams. [See Details.](#)



# CANADA BIOENERGY NEWS HIGHLIGHTS 2025

(BCBN Newsletter June 2025)

## Inauguration of Carbonity, Canada's Largest Industrial-Scale Biochar Plant

Airex Energy, Groupe Rémabec, and SUEZ inaugurated Carbonity in Port-Cartier, Canada's first industrial-scale biochar plant, with initial capacity of 10,000 tonnes annually and plans to significantly expand production, positioning it among North America's largest facilities. [See Details.](#)



(BCBN Newsletter June 2025)

## Alder Renewables and Bioénergie AE Côte-Nord Partner to Produce SAF in Quebec

Alder Renewables and Bioénergie AE Côte-Nord announced Project Avance, a partnership to produce sustainable aviation fuel from forest waste in Port-Cartier, Quebec, using proprietary technology to convert bio-oil into low-carbon fuels supporting Canada's SAF production goals. [See Details.](#)



(BCBN Newsletter June 2025)

## Boeing Commits to Innovative Canadian Energy in Support of Canada's P-8 Acquisition

Boeing committed \$17.48 million to Canadian sustainable aviation fuel projects in Quebec and British Columbia, supporting biocrude and power-to-liquid technologies under its Industrial and Technological Benefits obligations and reinforcing Canada's role in aviation decarbonisation. [See Details.](#)



(BCBN Newsletter June 2025)

## Parkland Corporation to Be Acquired by Sunoco LP

Sunoco announced a \$9.1 billion USD acquisition of Parkland Corporation, creating the largest independent fuel distributor in the Americas, while committing to maintain Parkland's Calgary headquarters and continue investment in the Burnaby Refinery to support low-carbon fuel production. [See Details.](#)



(BCBN Newsletter May 2025)

## Pursuing a New CSA Standard to Heat Canada with Wood Pellets

The Canadian Standards Association initiated work to adopt a European standard for small solid biomass boilers, supporting efficient wood pellet heating, alignment with international practices, and expanded low-carbon heating options for rural and remote communities. [See Details.](#)



(BCBN Newsletter May 2025)

## Neptune BioInnovation Centre Opened in Nova Scotia

Nova Scotia opened the Neptune BioInnovation Centre in Dartmouth, a 51,000-square-foot biofermentation and spray-drying facility, supporting biotechnology, alternative proteins, and green chemicals, with projected economic impacts including job creation and GDP growth through public-private investment. [See Details.](#)



# CANADA BIOENERGY NEWS HIGHLIGHTS 2025

*(BCBN Newsletter April 2025)*

## **CBSA Investigated Alleged Dumping and Subsidizing of U.S. Renewable Diesel**

The Canada Border Services Agency launched investigations into alleged dumping and subsidizing of U.S. renewable diesel, following a complaint by Tidewater Renewables, with the Canadian International Trade Tribunal assessing potential impacts on the domestic industry. [See Details.](#)



*(BCBN Newsletter April 2025)*

## **Canada Set to Adopt European Standard for Wood Pellet Heating**

The Canadian Standards Association advanced work to adopt the European EN 303-5 standard, supporting the use of modern wood pellet boilers and expanding renewable heating options for rural, remote, and Indigenous communities. [See Details.](#)



*(BCBN Newsletter April 2025)*

## **BECCS: The Basics and Its Role in Canada**

The newsletter highlighted BECCS (bioenergy with carbon capture and storage) as a pathway to negative emissions, noting Canada's strong biomass resources and storage potential, and its role in supporting climate goals, carbon credit opportunities, and wildfire risk reduction. [See Details.](#)



*(BCBN Newsletter April 2025)*

## **Online Course: Biomass to Fuel the Bioeconomy**

BioFuelNet Canada offered a self-paced online certificate course covering Canada's bioeconomy, with expert-led lectures on renewable feedstocks, biomass quality, supply chains, and environmental impacts, providing participants with foundational knowledge and a completion certificate. [See Details.](#)



*(BCBN Newsletter Feb 2025)*

## **Canada Funded SAF, Renewable Diesel, and Bioenergy Projects**

The Government of Canada allocated over \$11 million through the Energy Innovation Program and Clean Fuels Fund to support seven projects advancing renewable diesel, sustainable aviation fuel, and other bioenergy initiatives. [See Details.](#)



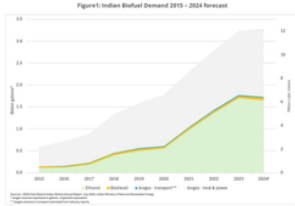
# INTERNATIONAL BIOENERGY NEWS HIGHLIGHTS 2025



## Airbus Explores Biomass-Based SAF in Indonesia

(BCBN Newsletter Sep 2025)

Airbus partnered with Bogor Agricultural University to assess sustainable aviation fuel production from Indonesia's biomass resources, examining agricultural residues such as palm waste and rice straw while identifying logistical, regulatory, and sustainability challenges. [See Details.](#)



## Spotlight on India's Biofuel Market: It's All About the Sugar

(BCBN Newsletter Sep 2025)

The article examined India's biofuels market, highlighting renewed political support driven by agricultural, social, and environmental priorities, and assessed policy frameworks, market dynamics, and implications for global and U.S. biofuel markets. [See Details.](#)



## John Deere Approves B30 Biodiesel for Tier 4 Engines

(BCBN Newsletter Sep 2025)

John Deere approved B30 biodiesel for all Tier 4 engines, expanded E10 use for spark-ignition equipment, and advanced development of an E98 ethanol engine concept, supporting higher renewable fuel adoption in agricultural and utility equipment. [See Details.](#)



## UK's First Commercial-Scale BECCS Project Approved

(BCBN Newsletter Sep 2025)

The UK approved Evero's Ince Biomass plant as its first commercial-scale BECCS facility, set to process waste wood, remove over 200,000 tonnes of CO<sub>2</sub> annually, and supply clean power to more than 100,000 homes. [See Details.](#)



## Neste Begins SAF Production at Rotterdam Refinery

(BCBN Newsletter May 2025)

Neste began producing sustainable aviation fuel at its Rotterdam refinery, increasing global SAF capacity to 1.5 million tonnes annually and supporting EU aviation decarbonisation, with further expansion underway to significantly grow renewable fuels production. [See Details.](#)



## Minneapolis to Open North America's First City-Operated Biochar Facility

(BCBN Newsletter May 2025)

Minneapolis advanced plans for North America's first city-operated biochar facility, designed to process wood waste, produce biochar, remove nearly 3,700 tonnes of CO<sub>2</sub> annually, and support the city's Climate Equity Plan. [See Details.](#)

# INTERNATIONAL BIOENERGY NEWS HIGHLIGHTS 2025



## China New Energy Group Commercialized Modular BioReactor in California

(BCBN Newsletter May 2025)

China New Energy Group partnered with BioEnergy Solutions to commercialize a containerized bioReactor in California, using pyrolysis to convert agricultural waste into thermal energy and biochar, supporting on-site energy generation and micro-grid applications for agricultural operations. [See Details.](#)



## IATA Established Civil Aviation Decarbonization Organization to Manage SAF Registry

(BCBN Newsletter April 2025)

IATA established the Civil Aviation Decarbonization Organization to manage a global SAF Registry, providing a standardized framework to track, verify, and report sustainable aviation fuel production, distribution, and emissions reductions across the aviation sector. [See Details.](#)



## North American Biofuels Sector Faced Uncertainty Amid Trade and Policy Challenges

(BCBN Newsletter April 2025)

Biofuel producers in Canada and the United States scaled back operations amid uncertain U.S. subsidy policies and rising trade tensions, affecting biofuel growth, crop demand, rural economies, and progress toward decarbonisation. [See Details.](#)

drax



## Drax Launched New Sustainability Framework

(BCBN Newsletter April 2025)

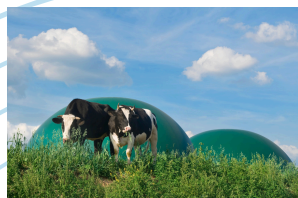
Drax introduced a sustainability framework with time-bound targets across climate, nature, and people, including net-zero emissions by 2040, enhanced biodiversity goals, and strengthened biomass sourcing policies aligned with evolving science and industry standards. [See Details.](#)



## Drax and Pathway Energy Announced Sustainable Biomass Agreement for U.S. SAF Plant

(BCBN Newsletter March 2025)

Drax and Pathway Energy signed an agreement to supply sustainably sourced wood pellets for a U.S. sustainable aviation fuel plant, supporting low-carbon fuel production and strengthening biomass supply chains for aviation decarbonisation. [See Details.](#)



## Another Year of Record Growth for American Biogas Industry

(BCBN Newsletter March 2025)

The U.S. biogas industry recorded another year of growth, driven by rising RNG demand and expanded anaerobic digestion projects across agricultural, municipal, and industrial sectors, supported by favourable policies, infrastructure investment, and technology improvements. [See Details.](#)

# PROVINCIAL BIOENERGY POLICY HIGHLIGHTS 2025



## B.C. Launched Credit Trading Market Page in LCFS Portal

(BCBN Newsletter Jan 2026)

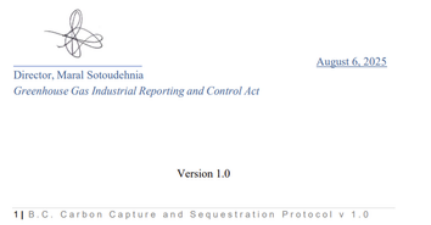
The B.C. Low Carbon Fuels Branch launched Phase 1 of a new Credit Trading Market page in the LCFS Portal, enabling organizations to list, manage, and receive notifications on LCFS credit trading activity through a self-serve interface.

British Columbia Greenhouse Gas Offset Protocol:  
Carbon Capture and Sequestration

(BCBN Newsletter Sep 2025)

## B.C. Finalized Carbon Capture and Sequestration Protocol

British Columbia finalized its Carbon Capture and Sequestration Protocol, establishing a framework to quantify emissions reductions and removals from carbon capture projects involving geological storage or permanent carbon conversion under provincial climate regulations.



(BCBN Newsletter April 2025)

## B.C. Strengthened Biofuels Sector with Canadian Content Requirements

British Columbia amended Low Carbon Fuels Act regulations to prioritize Canadian-produced biofuels, increasing renewable content requirements for gasoline and diesel and mandating domestic sourcing to support local producers, stabilize markets, and reduce reliance on imports. See Details.



(BCBN Newsletter April 2025)

## New Low Carbon Fuels Standard Portal

B.C. launched a new LCFS Portal following a temporary system freeze, streamlining reporting and transactions under the Low Carbon Fuels Act with enhanced reporting tools, improved data uploads, and updated compliance unit transfer functionality.

### Key updates included:

- Enhanced reporting sections
- Improved file upload capabilities
- Allocated fuel supply input
- Final supply equipment registration
- Export reporting input
- Updated design for compliance unit transfers



# FEDERAL BIOENERGY POLICY HIGHLIGHTS 2025

(BCBN Newsletter Oct 2025)

## Canada Supports Biofuels with \$370M Incentive Package

The federal government announced \$370 million in time-limited, per-litre incentives for Canadian producers of biodiesel and renewable diesel, beginning in January 2026. The measure is intended to boost domestic biofuel production and help counterbalance U.S. subsidies. [See Details.](#)

(BCBN Newsletter Sep 2025)

## New Federal Support for Softwood Lumber Industry

The federal government announced a C\$1.25 billion support package for Canada's softwood lumber sector, including loan guarantees, funding for product and market diversification, and worker retraining measures to strengthen domestic production and resilience amid global market shifts. [See Details.](#)

(BCBN Newsletter April 2025)

## ECCC Sought Feedback on Draft Manure Methane Offset Protocol

Environment and Climate Change Canada sought public input on a draft federal offset protocol to reduce methane emissions from liquid manure through anaerobic digestion and treatment technologies eligible for offset credits. [See Details.](#)



Environment and  
Climate Change Canada

### Clean Fuel Regulations



Canada



### Fuel Life Cycle Assessment (LCA) Model

(BCBN Newsletter Nov 2025)

## New CFR Factsheet for Section 21 Agreements Now Available

[Details Here.](#)

(BCBN Newsletter Nov 2025)

## New Fuel LCA Model Pre-Publication Now Open for Comments

[Details Here.](#)

(BCBN Newsletter Nov 2025)

## ECCC Approves Legislative Recognition for Forestry Feedstock in Quebec

(BCBN Newsletter Aug 2025)

## CFR Update: Key Deadlines for 2026 Credit Adjustments

(BCBN Newsletter Aug 2025)

## 2024 Quarterly Credit Market Report Published

[Details Here.](#)

(BCBN Newsletter June 2025)

## CFR Update: ECCC Released Credit-Adjustment Calculator

[Details Here.](#)

(BCBN Newsletter April 2025)

## CFR Update: New Guidance Material

(BCBN Newsletter April 2025)

## Last Call to Submit for CFR Material Balance Reports

(BCBN Newsletter April 2025)

## Fuel LCA Model – New Pre-publications and Pathways Available for Comment

[Details Here.](#)

(BCBN Newsletter Feb 2025)

## CFR Supporting Documents Version 4.0 Now Available

[Details Here.](#)

(BCBN Newsletter Feb 2025)

## Fuel LCA Model: Predefined Fuel Pathways for Hydrogen Available for Comments

[Details Here.](#)

# PODCASTS 2025

## TOPSOE: Fuel for Thought Podcast

The Fuel for Thought Podcast is the world's first podcast dedicated to renewable fuels. Hosted by Sylvain Verdier and Mikala Grubb from Topsoe, together with a range of industry experts, the podcast explores some of the most pressing topics shaping the renewable fuels sector. Episodes span the full value chain of renewable fuel production, including feedstock supply, conversion technologies, legislation, sustainable aviation fuel, and broader market developments. [Listen to the Podcast.](#)

## TOPSOE: SAF TALKS

Sustainable Aviation Fuel (SAF) is vital for reducing aviation emissions, yet it still accounts for less than 1% of global jet fuel use. To explore what it will take to scale SAF, Topsoe presents SAF Talks™, a short-form video and podcast series filmed at the SAF Summit in Copenhagen. The third season of the SAF Talks series featured insights from global experts across the sustainable aviation fuel (SAF) value chain. The series explores strategies for scaling SAF production and addresses key challenges such as feedstock availability, certification processes, and regulatory frameworks. [Listen to the Podcast.](#)

## ARC Energy Ideas Podcast

Peter Tertzakian and Jackie Forrest from the ARC Energy Research Institute explore trends that influence the energy business, including financial, political, environmental, technological, social, and economic forces. Through expert analysis and timely discussions, the podcast provides valuable insights into the evolving global energy landscape. [Listen to the Podcast.](#)

## Carbon Copy Podcast

Carbon Copy is a podcast from Emissions Reduction Alberta that explores the technologies, people, and ideas shaping a lower carbon future. The show takes a closer look at the engineering, economics, and innovation required to reduce emissions while strengthening Alberta's economy. Through in-depth conversations, Carbon Copy highlights the technologies and system-level solutions critical to delivering measurable environmental outcomes, attracting investment, and supporting the transition to a more diversified, low-carbon economy. [Listen to the Podcast.](#)

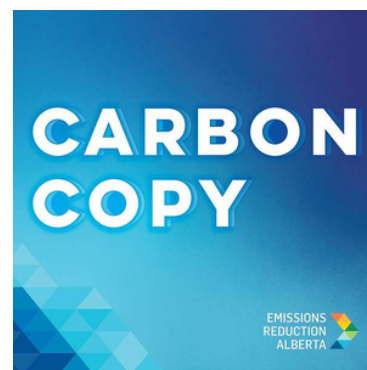
## Biomass Magazine Podcast

This podcast explores the hottest topics in the biomass industry, hosted by Anna Simet from Biomass Magazine. [Listen to the Podcast.](#)

## TOPSOE



## SAF TALKS™



# REPORTS & RESOURCES 2025

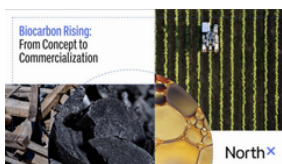
## CANADIAN BIOMASS



Advanced Biofuels Canada  
Biocarburants avancés Canada



North×  
CLIMATE TECH



Competitiveness & Sustainability  
in the B.C. Forest Sector  
A comparison across international forest jurisdictions  
O'Kelly Acumen CFI

### Canadian Biomass

Canadian Biomass is Canada's leading business media platform covering the biomass, bioenergy, and bio-based products sectors. The publication provides regular news, market analysis, features, and sector insights across forestry residues, pellets, bioenergy, and emerging bioproducts, serving industry, policymakers, and investors in Canada and internationally.

### B.C. Climate Change Accountability Report

The Province of British Columbia introduced its 2024 Climate Change Accountability Report, reaffirming its commitment to climate action and affordability. The report shows that B.C. is making progress in reducing greenhouse gas emissions, with emissions down 21 percent per person and 30 percent per unit of GDP since 2007. However, current efforts are still not enough to meet the 2030 targets. The Province plans to strengthen climate measures to support clean economic growth and provide more affordable options for residents. [See Details.](#)

### Advanced Biofuels Canada: Biofuels in Canada 2025

Advanced Biofuels Canada released the tenth annual Biofuels in Canada report, prepared with Navis Research, providing a comprehensive assessment of renewable and low-carbon fuel policies nationwide. The report quantified provincial fuel consumption, carbon intensity, GHG reductions, energy cost impacts, electric vehicle trends, and renewable fuel trade, offering a detailed picture of policy outcomes across Canada. [See Details.](#)

### North×: Biocarbon Rising: From Concept to Commercialization

A report from North×, in collaboration with ESMIA, explores how biocarbon can drive climate action, industrial transformation, and economic growth in British Columbia. Biocarbon Rising: From Concept to Commercialization outlines B.C.'s strengths, such as abundant feedstocks, technical expertise, and supportive policies, and shows how the province can lead in scaling biocarbon solutions. The report calls on policymakers, innovators, and climate leaders to engage in this emerging sector. [See Details.](#)

### COFI: Competitiveness and Sustainability in B.C.'s Forest Sector

The BC Council of Forest Industries released a benchmarking report comparing British Columbia's forest sector with global peers, identifying declines in harvest levels, GDP contribution, and investment competitiveness, alongside strong biodiversity performance. The report recommended stabilizing wood supply, strengthening partnerships with First Nations, streamlining regulations, and expanding support for bioenergy to improve long-term sector competitiveness and sustainability. [See Details.](#)

# REPORTS & RESOURCES 2025



## Navius Research: Canada Energy Dashboard – 2025 Update

Navius Research released the 2025 update of the Canada Energy Dashboard, offering expanded energy data and scenario analysis for Canada. Enhancements included hundreds of modeled energy pathways, regional insights across all provinces, new market data on refining and fuel pricing, and expanded modelling of emerging technologies such as small modular reactors, supporting informed decision-making on Canada's energy transition. [See Details.](#)

## Navius Research: Quarterly Low Carbon Fuels Market Outlook

Navius Research released its quarterly outlook analyzing credit market trends under Canada's Clean Fuel Regulations and B.C.'s Low Carbon Fuel Standard, supporting informed participation in low-carbon fuel markets. [See Details.](#)



## U.S. DOE BETO: Feedstock-Conversion Interface Consortium Capstone Report

The U.S. Department of Energy's Bioenergy Technologies Office released the FCIC Capstone Report, summarizing three years of research by nine national laboratories to reduce feedstock variability risks and improve reliability and efficiency in bioenergy production. [See Details.](#)



IEA Bioenergy  
Technology Collaboration Programme

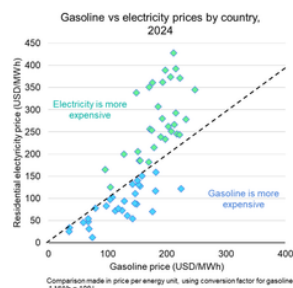


## IEA Bioenergy: 2024 Country Reports

IEA Bioenergy released its 2024 Country Reports covering 23 member countries, highlighting bioenergy's role in energy security, growing use of biogas and liquid biofuels, declining coal use, and increasing renewable energy deployment in transport and heating. [See Details.](#)

## IEA: Energy Prices Database

The International Energy Agency released its updated Energy Prices Database, covering 148 countries with 2024 data on fuel and electricity prices. The update highlighted stable global gasoline prices and explained variations driven by taxes, costs, and regulatory frameworks. [See Details.](#)



## FutureMetrics: 2024 Global Wood Pellet Trade Flow Map

FutureMetrics released an interactive Sankey map visualizing global wood pellet trade flows for 2024, allowing users to explore country-level export and import relationships and trade volumes. [See Details.](#)

## Clean Growth Hub Newsletters

In 2025, the Clean Growth Hub published newsletters highlighting federal clean technology initiatives, funding opportunities, and industry insights supporting innovation and growth across Canada's clean economy. [See Details.](#)



# MEET THE TEAM

ON BEHALF OF BCBN, WE THANK ALL OUR PARTNERS  
AND STAKEHOLDERS FOR A WONDERFUL 2025.  
WE LOOK FORWARD TO A PROSPEROUS 2026.

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**Scott Stanners**

Director

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Executive Director



**Tasha Booth**

Project Director



**Petra Holecek**

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[Learn more about BCBN at bcbioenergy.ca](https://bcbioenergy.ca)