


ABOUT

Dr. Michael J. Rensing, PhD

Architect of British Columbia's Low Carbon Fuel Standard · President, MJ Rensing Consulting Inc.

Dr. Michael J. Rensing is one of North America's foremost experts on low-carbon fuel policy and compliance markets. From 2008 to 2022 he served as Executive Director and Director of the Low Carbon Fuels Branch within the British Columbia Ministry of Energy, Mines and Low Carbon Innovation, where he was the primary architect and strategic lead of British Columbia's Low Carbon Fuel Standard (LCFS).

PhD, PHYSICS

University of Victoria

GOVT. OF BRITISH COLUMBIA

Executive Director / Director, Low Carbon Fuels Branch (2008–2022)

2021 SECTOR CHAMPION

BC Bioenergy Network

PRESIDENT

MJ Rensing Consulting Inc. (2022–present)

Biography

Under his leadership, the BC LCFS matured into one of the most successful performance-based clean fuel programs in North America — driving meaningful reductions in transportation-sector greenhouse gas emissions while supporting the growth of a competitive low-carbon fuels market.

His work has spanned regulatory design, policy implementation, lifecycle analysis, market mechanisms, credit creation and trading, and engagement with industry, Indigenous partners, and other jurisdictions. He holds a PhD in Physics from the University of Victoria and was awarded the 2021 BC Bioenergy Network Sector Champion Award.

In late 2022 he founded MJ Rensing Consulting Inc., advising clients across Canada and the United States on low-carbon fuel standards, emerging compliance markets, lifecycle analysis, and decarbonization strategy. He continues to support thought leadership through publications, conference participation, and senior advisory roles with leading clean-fuels organizations.

Experience Highlights

Period	Role	Detail
2022 – Present	President MJ Rensing Consulting Inc.	Senior advisory to producers, governments, investors, and industry associations across Canada and the U.S. on LCFS / CFR compliance, lifecycle analysis, and decarbonization strategy.
2008 – 2022	Executive Director / Director, Low Carbon Fuels Branch Government of British Columbia	Primary architect and strategic lead of British Columbia's Low Carbon Fuel Standard; oversaw regulatory design, credit market operation, and engagement with industry, Indigenous partners, and peer jurisdictions.

Services & Expertise

Senior advisory across the low-carbon fuels value chain — trusted by governments, fuel producers, technology developers, investors, and industry associations.

Strategic Advisory on LCFS Compliance Positioning under BC LCFS, federal CFR, California LCFS, Oregon CFP, Washington CFS, and emerging programs. Compliance pathway design, credit strategy, and regulator engagement.	New Compliance Markets & Credit Programs Market entry assessment, credit-pathway eligibility and quantification review, voluntary/compliance market interaction, and long-term price and supply/demand modelling support.
Regulatory Analysis & Policy Impact Plain-language briefings on draft and final regulations, quantitative impact analysis, comparative jurisdictional analysis, and consultation submission support.	Lifecycle Analysis (LCA) CI modelling with GHGenius, CA-GREET, and program-specific tools; pathway certification under BC LCFS, CFR, and CA LCFS; feedstock, land-use, and ILUC considerations.
Expert Testimony & Submissions Expert reports for regulatory and judicial proceedings, written submissions to rulemakings, investor and lender due-diligence, and panel testimony.	Program Evaluation Independent evaluation of program effectiveness, market design, and credit-price dynamics — benchmarking against peer jurisdictions.
Innovative Feedstock & Technology Review Technical and policy review of emerging conversion technologies and non-conventional feedstocks — bridging engineering, policy, and market eligibility.	Decarbonization Strategy Sector roadmaps, policy-mix design, corporate net-zero strategy aligned with compliance markets, and stakeholder and Indigenous engagement strategy.

Areas of Focus

Programs

BC LCFS · Federal CFR · California
LCFS · Oregon CFP · Washington CFS ·
Emerging state & provincial programs

Pathways

Renewable diesel · Sustainable aviation
fuel · Hydrothermal liquefaction · Wood
& municipal waste · Agricultural residues

Clients

Governments · Fuel producers ·
Technology developers · Investors &
lenders · Industry associations · Counsel

"We respectfully acknowledge that we live, work, and gather on the unceded traditional territories of the Hul'qumi'num-speaking Peoples — the Quw'utsun (Cowichan), Malahat, Halalt, Penelakut, Stz'uminus, Lyackson, and Ts'uubaa-asatx Nations — who have stewarded these lands and waters since time immemorial."

CONTACT

Let's discuss your low-carbon fuels strategy.

Advisory engagements · Expert testimony · Speaking · Media inquiries

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