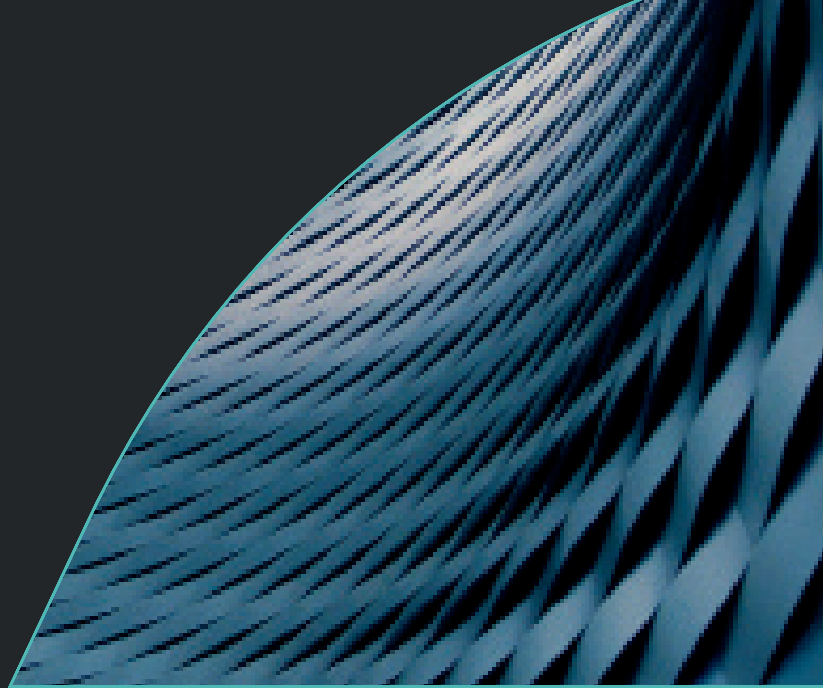
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Renewable Diesel and SAF: Pathway to Net-Zero Transportation Fuels



Transportation fuel producers are increasingly under pressure to reduce the carbon intensity (CI) of their products to comply with domestic and international low-carbon policies, as well as corporate and industry-driven sustainability goals. These include the United States (U.S.) Renewable Fuel Standard (RFS), California's Low Carbon Fuel Standard (LCFS), Oregon's Clean Fuels Program (CFP), Washington's Clean Fuels Standard (CFS), British Columbia's LCFS, Canada's Clean Fuel Regulations (CFR), as well as Europe's Renewable Energy Directive (RED), ReFuelEU Aviation, FuelEU Maritime, United Kingdom's (UK) Renewable Transport Fuel Obligation (RTFO), Brazil's RenovaBio, voluntary markets aligned with the GHG Protocol, as well as a wide array of registries and European certification schemes, such as the International Sustainability and Carbon Certification (ISCC). Emerging markets in Asia and Latin America are also developing national biofuel mandates, carbon markets, and sustainable fuel incentives, further increasing the need for globally harmonized strategies and navigating intergovernmental complexities.

Transportation fuel producers want to ensure credible carbon claims and monetize their carbon-reduction activities to capture the value of available credits and incentives. To do so, they need to engage experienced advisors who understand the carbon accounting frameworks and reporting structures unique to the compliance requirements of these low-carbon fuel programs – and that's where EcoEngineers can help.

Our Services:

- Regulatory Strategy and Compliance
- LCA and CI Analysis
- Credit Generation and Management
- Policy and Incentive Advisory
- Monitoring, Verification, and Forecasting
- Technical Engagement with Regulatory Bodies
- Technology Risk Assessment and Due Diligence
- Supply Chain and Sustainability Assessments

EcoEngineers, recently acquired by leading global assurance partner LRQA, has conducted more than 1,000 life-cycle analysis (LCA) projects across six continents in accordance with International Organization for Standardization (ISO) standards 14040 and 14044, supporting clients in aligning with regional regulations and international best practices. We have extensive experience producing consistent, accurate, and objective LCA methods with clear assumptions and calculations.

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Our LCAs provide clarity of a refinery facility's CI values – from upstream feedstock sourcing through to the production of renewable diesel (RD), sustainable aviation fuel (SAF), and other low-carbon products.

Our team of experts provides actionable plans to support your carbon-reduction activities and help you monitor and optimize the CI of your fuels throughout your compliance journey. We routinely assist transportation fuel producers with the registration of biobased feedstock eligibility and new technology pathways with the U.S. Environmental Protection Agency (USEPA), as well as global regulatory bodies such as the European Commission, Environment and Climate Change Canada (ECCC), and others developing new carbon market mechanisms. We also work closely with the California Air Resources Board (CARB), prepare product applications and certifications, interface with local regulatory agencies, and deliver documentation, auditing, and validation.

In addition, EcoEngineers is your trusted guide in optimizing your response to emerging energy policies and training your compliance team on carbon market reporting. Our process starts with education led by EcoUniversity, which provides training workshops, market outlooks, an intensive Carbon Literacy training program, and condensed board and management training modules.

About EcoEngineers

EcoEngineers, an LRQA company, is a consulting, auditing, and advisory firm exclusively focused on the energy transition and decarbonization. From innovation to impact, we help you navigate the disruption caused by carbon emissions and climate change. Our team of engineers, scientists, auditors, consultants, and researchers live and work at the intersection of low-carbon fuel policy, innovative technologies, and the carbon marketplace. For more information, visit www.ecoengineers.us.

Navigating the Energy Transition



For more information about our Low-Carbon Petroleum services, please contact:

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