



EcoUniversity

Answering Your Most Complex
Carbon Questions



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EcoUniversity Overview

Your Comprehensive Educational Resource for Understanding Global Policies, Technologies, and Carbon Markets

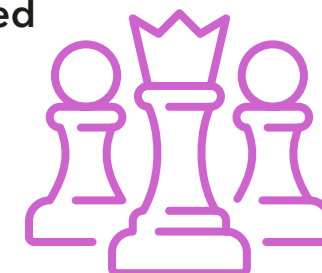
No matter where you are on the journey to clean energy, understanding global policies, technologies, and carbon markets is critical to success. EcoUniversity provides comprehensive training workshops, market outlooks, and educational webinars that can be taken individually or bundled together to create a training program that best suits your needs. Our portfolio of training and education modules empowers you to make informed decisions and maintain control over your environmental, social, and governance (ESG) goals.

We have provided more than 1,000 hours of education to leaders across many industries. Topics range from introductions or deep dives into specific industries, fuel types, and regulated markets, to fundamentals on carbon literacy and carbon accounting. EcoUniversity also offers subscriptions to curated information, analysis of regulations, guidance on generating revenue from low-carbon projects and solutions, and market demand trend analyses and projections for regulated and voluntary markets.

Condensed board and management training is also available to effectively evaluate the material impacts of climate-related risks on the businesses they govern.

1,000+

Hours of executive training
performed



Training Workshops

Equip Yourself and Your
Organization with Insights
To Fuel a Clean Energy Future

EcoUniversity's training is led by our industry experts, scientists, engineers, auditors, consultants, and researchers. Our training is immersive and interactive, with a focused discussion of your specific goals and challenges. Our training modules can be tailored to meet the needs of your team, spanning low-carbon and zero-emission fuels, emerging carbon mitigation and removal technologies, policies and best practices for robust carbon markets, and carbon literacy.

 **25+**
Modular workshops
in our library

Workshop Library

Unleash Your Knowledge

We offer workshops covering various topics related to clean energy, both in person and virtually. Each module is 1 to 1.5 hours long and can vary in complexity and pricing. Bundle several modules together to create the training experience that's right for your team. Explore our library on the next few pages.

Low-Carbon Fuel Regulations

These workshops provide a solid foundation to understanding various clean fuel regulations. Each module covers the regulation's background, goals, and key drivers for its implementation – including any recent policy proposals and developments. Our trainers will discuss the credit markets created by the regulation and factors impacting its pricing schemes. We will also provide a brief understanding of the compliance requirements for the regulations. Other specific training points are noted below with each module.

U.S. Renewable Fuel Standard (RFS)

- D-Code Determination

California Low-Carbon Fuel Standard (LCFS)

- Life-Cycle Analysis (LCA), California Greenhouse gases, Regulated Emissions, and Energy use in Technologies (CA-GREET), and Carbon Intensity (CI)

Canadian Clean Fuel Regulations (CFR)

- OpenLCA, the Fuel LCA Model, and LCA by Fuel Type

Voluntary Carbon Markets (VCM)

- Scope Emissions and Greenhouse Gas (GHG) Accounting
- Project Development Process for VCM

European Union (EU) and the Renewable Energy Directive (RED)

- Introduction to the EU's Legislative System
- Recent History of EU Climate and Energy Initiatives
- Sustainability Criteria and Methodology for GHG Emissions Calculations

Emerging Markets

This course will cover the basic parameters of the following regulations, which are smaller markets or in the process of being established:

- Oregon Clean Fuels Program (CFP)
- Washington Clean Fuels Program (WA-CFP)
- Canadian Clean Fuel Regulations (CFR)
- British Columbia Low Carbon Fuel Standard (BC-LCFS)
- Other emerging energy programs such as the U.S. Inflation Reduction Act, newer individual U.S. state programs, voluntary programs, renewable energy certificates (RECs), and more

Low-Carbon Fuel Markets

These workshops provide a discussion on how fuel production pertains to low-carbon fuel regulations and the market conditions that affect the valuation of the fuel. Each module will cover the evolution and uses of the fuel, key roles along the value chain, market value under some of the larger low-carbon fuel regulations, how to achieve pathways for your fuel in these markets, and project examples.

We currently have modules in the following fuels:

- Biogas/Renewable Natural Gas (RNG)
- Ethanol
- Renewable Diesel (RD)/Biodiesel (Methyl Ester)
- Renewable Electricity and Electric Vehicles (EV)
- Hydrogen
- Sustainable Aviation Fuel (SAF)

Advanced Low-Carbon Fuel Markets

These modules provide a more detailed discussion of how projects in given fuel spaces are developed and the key roles and organization to bring the fuel to market. These concepts are reinforced through project examples and case studies.

Our advanced modules include:

- Biogas/Renewable Natural Gas (RNG)
- Ethanol
- Renewable Diesel (RD)/Biodiesel (Methyl Ester)

Life-Cycle Analysis

This introductory workshop helps to define Life-Cycle Analysis (LCA) as a process, what drives the need for an LCA, and what boundaries the different models use. Once the baseline is set, trainers introduce a specific model and walk through the steps used to calculate a carbon intensity (CI) score of a product or pathway as this is needed for participation in a low-carbon fuel regulation or overall carbon reduction goal.

We have expertise in the following LCA models:

- Argonne GREET
- CA-GREET
- GHGenius
- SimaPro
- OpenLCA
- Sphera/GaBi

Compliance Training

These workshops dive into the details of the registration, reporting, and verification requirements that are needed to comply with the various low-carbon fuel regulations. They include information on schedules, organizational roles and responsibilities, and when a third party is needed.

We have advanced level of expertise in the following regulations:

- California Low-Carbon Fuel Standard (LCFS)
- U.S. Renewable Fuel Standard (RFS)
- Canadian Clean Fuel Regulations (CFR)

Custom Program Development

EcoEngineers has in-depth knowledge of and has presented on any topics beyond our current library. If you do not see a desired topic, our experts can put together custom content for your organization.

Market Outlooks

Get Actionable Insights for Strategic Decision-Making in Low-Carbon Fuel Programs

We're passionate about educating our clients on their journey to clean energy. The experts on our EcoUniversity team have worked in the regulatory landscape for decades, and they have analyzed data from two of the most influential low-carbon fuel programs in the United States in our two annual outlooks.

We have compiled a decade's worth of California Low-Carbon Fuel Standard (CA-LCFS) data to identify trends in low-carbon fuel supply. Our experts routinely evaluate the projected availability of low-carbon fuels in California, analyze the potential floor pricing of credits, and provide an outlook of the macro trends. As the credit bank continues to rise, EcoUniversity analyzes at what point the market may shift from a credit-dominant to a deficit-dominant market.

For the U.S. Renewable Fuel Standard (RFS), our experts provide an analysis of Renewable Identification Number (RIN) credit pricing. We interpret typical pricing factors for RINs, discuss how the RFS Set Rule released by the U.S. Environmental Protection Agency (USEPA) influences previous pricing paradigms, and outline the risks to pricing as we move into a new multiple-year renewable volume obligation (RVO) era.

These two outlooks – and their periodic updates throughout the year – will give your business a competitive advantage regarding regulatory changes occurring in your markets.

Outlook reports include:

- Deficit generation discussions
- Credit generation discussions
- Appendices with background information, policy updates, emerging state programs, historical credit demand, and more



Trainers with expert knowledge in carbon markets, regulations, and compliance

EcoInsights for RNG

Stay Ahead of Industry Dynamics with Our Curated RNG Market Report

Carbon markets for the renewable natural gas (RNG) sector have been driven by regulations, and more recently, they're being guided by the desire to create new business opportunities through voluntary markets. As RNG leaders search for offtake partners beyond the regulated fuel markets, it's critical to understand the constantly changing industry and federal and state regulations. We bring our extensive experience from regulated carbon markets and biofuels to facilitate projects across the entire energy transition, helping you make the most of your investment portfolio.

Through EcoInsights for RNG, we carefully collect the information that's of strategic importance for your business, synthesize it, and make it relevant to you, your organization, and your customers. Every month, you'll get roughly 15 pages of meaningful insights you need to navigate this changing market with zero time spent scanning for updates.

EcoInsights for RNG includes:

- Curated information on the ever-changing, multi-layered regulations that affect your business – federal, state, international, regulated, voluntary markets, and Renewable Portfolio Standards (RPS)
- Analysis of the evolution of these regulations, industry trends, and the cost of compliance
- Guidance on generating revenue from low-carbon projects and solutions, including insights on opportunities and risks
- Critical education as your team evolves, saving time for your team to focus on driving your business
- Market demand trend analysis and projections for RNG markets
- Future trend research within electrification and applicable impacts on the RNG industry

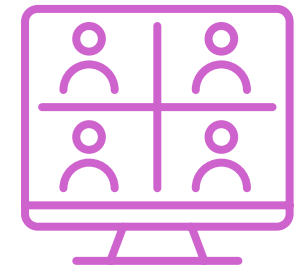
Educational Webinars

Connecting Minds to Bridge Gaps, Foster Collaboration, and Continually Learn

EcoUniversity's webinars are led by our team of consulting, auditing, and advisory leaders and are attended by hundreds of industry experts and clean energy workers each month. We cover a wide range of topics, including carbon literacy, the next frontiers for renewable fuel, deep dives into new regulations, and more.

Below are just a few examples of the webinars we have produced in the past:

- H2 + LCA: Demystifying Life-Cycle Analysis for Hydrogen Projects
- Achieving the Biorefinery of the Future
- The European Union's Carbon Neutrality Goals
- Decoding Carbon Removal Methodologies
- An Introduction to Carbon Literacy
- Optionality: Project Diversification and Credit Stacking



30+

On-demand
webinars available

Carbon Literacy

Master the Language and Understanding of Carbon Markets

A guiding principle for our advisory work is our belief that businesses that want to do the right thing and take control of their environmental, social, and governance (ESG) journey have healthier operations and are more competitive over the long term. The key to success for those who embark on this journey is understanding the language of carbon accounting and carbon markets.

Our comprehensive Carbon Literacy training program helps you understand and adapt to evolving climate change issues and develop strategies to navigate and even benefit from this disruption. Our modular, customizable program will help prepare you and your team to set communicable and measurable goals for your company and optimize the value of emissions reductions.

Our training is designed to bring together internal stakeholders, from the CEO, CFO, and Chief Sustainability Officer to operations managers and frontline staff, to develop a shared vocabulary and speak the same language related to the energy transition.

Our modular and customizable Carbon Literacy program will help prepare you and your team to:

- Develop a strong understanding of the science of climate change and emerging climate policies
- Measure the physical, transitional, and regulatory risks to your business
- Develop adaptation and mitigation strategies that optimize the value of emissions reductions
- Participate in carbon markets through offsetting and insetting
- Set communicable and measurable goals for your company

Carbon Literacy Modules

Carbon Cycle and Climate Change

- Carbon and the Carbon Cycle
- Greenhouse Gases (GHGs)
- Ocean and the Biosphere

Climate Risk

- What is Climate Risk?
- Physical vs. Transitional Risk
- Climate Risk Interaction

Climate Adaptation, De-Risking, and Mitigation

- Physical Risk Adaptation De-Risking
- Transitional Risk Adaptation De-Risking
- Net-Zero Goals vs. Climate Adaptation Plan
- Identifying Mitigation Options

GHG Accounting

- Life-Cycle Analysis (LCA), LCA Tools, and Scope 1, 2, and 3
- How to Measure: Carbon Accounting Framework
- Additionality, Boundaries, Baselines, and Permanence
- Case Studies

Carbon Reporting

- Compliance vs. Voluntary Markets
- How to Report: Product Carbon Intensity (CI) vs. Scope 1, 2, or 3
- Carbon Reporting Agencies and Entities
- Corrections and Adjustments to Reports
- Verification and Validation
- EcoEngineers Compliance and Verification Team Overview

Carbon Markets

- Carbon Removal, Offsets, and Insets
- Reducing Emissions Through Carbon Removal, Offsets, and Insets
- Applying Carbon Accounting to Measure Carbon Removal, Offsets, and Insets
- Measurement, Reporting, and Verification (MRV), Additionality, Permanence, and Risk Ratings
- EcoEngineers as an Incubator

About EcoEngineers

EcoEngineers is a consulting, auditing, and advisory firm with an exclusive focus on the energy transition. From innovation to impact, Eco helps its clients navigate the disruption caused by carbon emissions and climate change.

We help organizations stay informed, measure emissions, make investment decisions, maintain compliance, and manage data through the lens of carbon accounting. Its 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.

Eco was established in 2009 to steer low-carbon fuel producers through the complexities of emerging energy regulations in the United States. Today, Eco's global team is shaping the response to climate change by advising businesses across the energy transition.

Together, we can create a world where clean energy fuels a healthy planet.

Navigating the Energy Transition



- Asset Development
- Life-Cycle Analysis
- Compliance
- Regulatory Engagement



- Validation & Verification
- Quality Assurance Programs
- Third-Party Engineering Reviews



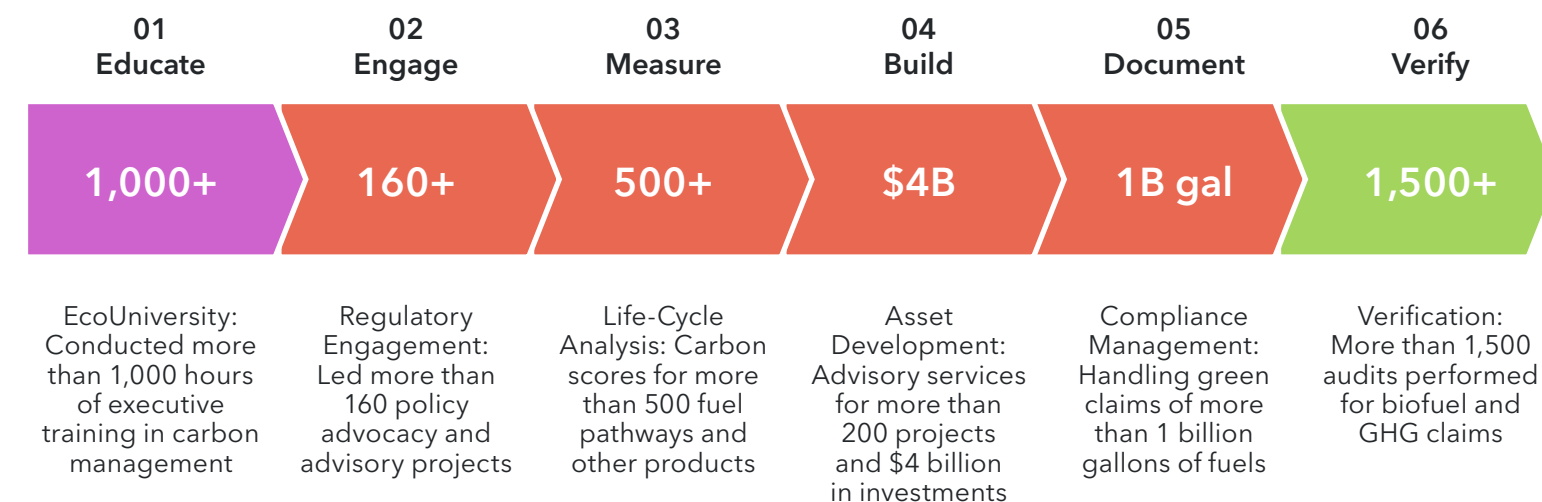
- Interactive Workshops
- Market Outlooks
- Carbon Literacy

Our Services

We offer comprehensive services across the clean energy continuum.

Our core services are the building blocks of a clean energy economy – with a full suite of consulting, auditing, and education services.

Eco is accredited by the American National Standards Institute (ANSI) National Accreditation Board (ANAB) as a greenhouse gas (GHG) verification body in accordance with ISO standards ISO/IEC 17029:2019, ISO 14065:2020, and ISO 14064-3:2019. The specific scope accreditation granted is verification of assertions related to GHG emission reductions and removals at the project level activities under ANAB scope 01 – GHG emission reductions from fuel combustion.





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To learn how your organization can benefit from EcoUniversity, contact clientservices@ecoengineers.us.