Renewable Energy Regulation and Compliance Training Course

Professional Development Training Course Outline

Category	Renewable Energy	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Renewable Energy Regulation and Compliance Training Course is designed to equip energy professionals with practical knowledge of the rapidly evolving clean energy regulatory landscape. As renewable deployment accelerates, regulatory frameworks are increasingly shaped by energy transition, grid modernization, climate policy, ESG governance, environmental permitting, power-market reform, energy security, and regulatory risk management. The IEA reports that more than 2,500 GW of renewable, storage, and large-load projects are currently stalled in grid connection queues worldwide, highlighting the growing importance of grid access, interconnection compliance, permitting reform, and system flexibility. The course therefore focuses on translating complex legislation, standards, licensing requirements, grid codes, environmental obligations, and contractual requirements into effective organizational compliance practices.

Participants will examine the regulatory lifecycle of renewable energy projects—from policy development and site permitting to licensing, grid connection, power purchase agreements, environmental and social safeguards, operational compliance, reporting, audits, and enforcement. Practical case studies will connect regulatory theory to real-world situations involving solar PV, wind power, battery energy storage, distributed generation, and grid integration. The program reflects current industry priorities including renewable energy integration, smart grids, battery storage, digital compliance, climate-risk disclosure, carbon management, sustainable finance, supply-chain resilience, and energy-sector decarbonization. With renewable capacity expected to expand substantially through 2030, organizations need professionals who can anticipate regulatory changes, manage compliance obligations, and support bankable and sustainable clean-energy projects.

Programme Curriculum

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Course Duration

5 days

Course Objectives

By the end of the course, participants will be able to:

1. Analyze renewable energy legislation, energy-transition policies, and regulatory frameworks.
2. Interpret licensing, permitting, authorization, and regulatory approval requirements.
3. Develop effective renewable energy compliance management systems.
4. Evaluate grid-code, interconnection, system reliability, and power-quality compliance.
5. Assess regulatory requirements for solar PV, wind, storage, and distributed energy resources.
6. Apply environmental, social, sustainability, and ESG compliance principles to renewable projects.
7. Evaluate Power Purchase Agreements (PPAs) and regulatory provisions affecting project bankability.
8. Identify and mitigate regulatory, legal, operational, and investment risks.
9. Understand tariff regulation, auctions, incentives, net metering, and renewable-energy market mechanisms.
10. Establish effective compliance monitoring, documentation, reporting, and audit processes.
11. Assess emerging requirements relating to battery energy storage, smart grids, flexibility, and digital energy systems.
12. Strengthen organizational readiness for regulatory change, enforcement, inspections, and compliance audits.
13. Apply international best practices to support resilient, sustainable, investment-ready, and legally compliant renewable-energy projects.

Target Audience

1. Renewable Energy Project Developers

2. Energy Regulators and Government Officials
3. Utility and Grid-System Professionals
4. Environmental and Sustainability Managers
5. Legal, Compliance, and Risk Professionals
6. Energy Investors, Financiers, and Asset Managers
7. Engineering, Operations, and Technical Managers
8. Policy Analysts, Consultants, and Energy Advisors

Course Modules

Module 1: Renewable Energy Policy, Law and Regulatory Frameworks

- **Energy transition governance** and renewable-energy legislation.
- National and international **energy-policy frameworks**.
- Roles of regulators, utilities, ministries, and market institutions.
- **Regulatory impact assessment** and policy-change monitoring.
- **Case Study:** Comparing regulatory approaches to accelerating solar and wind deployment while maintaining energy-system reliability.

Module 2: Licensing, Permitting and Project Development Compliance

- Renewable-energy **licensing and authorization** processes.
- Environmental and social **permitting requirements**.
- Land-use, planning, construction, and operational approvals.
- Regulatory documentation and **compliance due diligence**.
- **Case Study:** Resolving permitting and regulatory bottlenecks for a utility-scale solar PV project.

Module 3: Grid Codes, Interconnection and Renewable Integration

- **Grid-code compliance** and technical interconnection requirements.
- Voltage, frequency, protection, power quality, and system stability.
- Renewable forecasting, curtailment, dispatch, and **grid flexibility**.
- Battery storage and inverter-based resource integration.
- **Case Study:** Managing grid-connection compliance for a high-capacity solar-and-storage project amid network congestion.

Module 4: Environmental, Social and ESG Compliance

- **Environmental Impact Assessment (EIA)** and environmental licensing.
- Biodiversity, land, water, waste, and resource-management obligations.
- **Social safeguards**, stakeholder engagement, and community relations.
- ESG governance, sustainability reporting, and climate-risk considerations.
- **Case Study:** Designing an environmental and stakeholder compliance framework for a wind farm located near sensitive ecosystems and communities.

Module 5: Electricity Markets, Tariffs, PPAs and Renewable-Energy Incentives

- Renewable-energy **tariffs, auctions, incentives, and market mechanisms**.
- Net metering, distributed generation, and prosumer regulation.
- **Power Purchase Agreements (PPAs)** and regulatory obligations.
- Offtake risk, pricing structures, and project bankability.
- **Case Study:** Evaluating regulatory and contractual risks in a long-term solar PPA.

Module 6: Compliance Risk Management, Auditing and Enforcement

- Building a **renewable-energy compliance management system**.
- Regulatory registers, obligations tracking, and compliance calendars.
- Internal audits, inspections, corrective actions, and evidence management.
- Regulatory investigations, enforcement, penalties, and remediation.
- **Case Study:** Conducting a simulated compliance audit following an alleged breach of operating and reporting requirements.

Module 7: Emerging Technologies and Future Energy Regulation

- **Battery Energy Storage Systems (BESS)** and regulatory frameworks.
- Smart grids, digitalization, AI-enabled energy management, and cybersecurity governance.
- Electric vehicles, demand response, distributed energy resources, and flexibility markets.
- Renewable hydrogen, green fuels, and emerging clean-energy regulation.
- **Case Study:** Developing a regulatory compliance roadmap for a hybrid solar, battery storage, and EV-charging facility.

Module 8: International Renewable Energy Regulation and Strategic Compliance

- Comparative **international renewable-energy regulatory frameworks**.
- Cross-border electricity trade and regional energy markets.
- Climate commitments, carbon-management policies, and sustainable finance.
- Regulatory harmonization and **clean-energy supply-chain resilience**.
- **Case Study:** Creating a multi-jurisdiction compliance strategy for a renewable-energy developer operating across African and international markets.

Training Methodology

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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