Wind Energy Policy and Regulation 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

Wind energy has moved from a niche renewable technology to a strategic pillar of the global energy transition, decarbonisation, energy security, and net-zero agenda. As wind deployment accelerates, policymakers, regulators, utilities, developers, investors, and communities must understand how policy frameworks translate into bankable projects and reliable electricity systems. Current regulatory priorities increasingly include renewable energy targets, competitive auctions, power purchase agreements (PPAs), contracts for difference (CfDs), permitting reform, environmental assessment, grid connection, transmission planning, open access, market design, energy storage, ancillary services, forecasting, and community participation. The EU, for example, is actively working to accelerate renewable permitting and remove barriers to PPAs, while Kenya is strengthening frameworks for integrating variable renewable energy into its electricity system.

Wind Energy Policy and Regulation Training Course provides a practical, policy-oriented understanding of the regulatory lifecycle of onshore and offshore wind projects from national energy strategy and site development through licensing, procurement, grid integration, operations, repowering, and decommissioning. Participants examine international regulatory approaches and practical case studies, including Kenya's electricity-market reforms, EU permitting and PPA frameworks, India's renewable-grid compliance challenges, and Norway's efforts to accelerate onshore wind and transmission development. Kenya's regulatory framework is particularly relevant because variable renewable energy plants must address grid stability, forecasting, and ancillary-service requirements, while broader electricity-market reforms seek to improve competition, transparency, open access, and investment.

Programme Curriculum

Wind Energy Policy and Regulation Training Course

Introduction

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Course Duration

5 days

Course Objectives

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

1. Understand wind energy policy frameworks, renewable-energy targets, and national energy-transition strategies.
2. Analyse wind energy legislation, regulations, licensing requirements, and institutional governance.
3. Evaluate permitting reform, environmental approvals, land-use requirements, and regulatory timelines.
4. Understand competitive auctions, PPAs, CfDs, feed-in mechanisms, and market-based procurement.
5. Assess grid connection, transmission planning, system integration, and network-access regulation.
6. Apply principles of variable renewable energy (VRE) integration, forecasting, flexibility, and ancillary services.
7. Evaluate electricity-market reform, open access, wheeling, wholesale markets, and power-market design.
8. Analyse offshore wind regulation, marine spatial planning, seabed leasing, and cross-border coordination.
9. Understand environmental, social, biodiversity, and community-consultation requirements.
10. Identify investment, regulatory, contractual, and policy risks affecting wind projects.
11. Examine domestic manufacturing, supply-chain resilience, local-content rules, and industrial policy.
12. Develop approaches to regulatory compliance, stakeholder engagement, monitoring, and enforcement.
13. Apply international best practices and regulatory case studies to develop practical wind-energy policy recommendations.

Target Audience

1. Energy policymakers and government officials.
2. Energy regulators and electricity-market authorities.
3. Wind project developers and renewable-energy companies.
4. Utilities, grid operators, and transmission/distribution professionals.
5. Legal, regulatory, and compliance professionals.
6. Renewable-energy investors, financiers, and project advisors.
7. Environmental, planning, and community-engagement specialists.
8. Researchers, consultants, academics, and energy-sector professionals.

Course Modules

Module 1: Global Wind Energy Policy and Regulatory Landscape

- Energy-transition policy.
- Policy architecture.
- Regulatory institutions.
- Policy certainty
- **Case Study – Kenya:** Examine Kenya's transition toward greater electricity-market competition and the implications for renewable-energy development.

Module 2: Wind Project Licensing, Permitting and Environmental Regulation

- Project approvals.
- Permitting reform
- Environmental compliance.
- Land and marine regulation
- **Case Study – European Union:** Review EU efforts to shorten renewable-energy permitting timelines and remove administrative barriers.

Module 3: Wind Energy Procurement, Auctions, PPAs and Revenue Regulation

- Competitive auctions.
- Power Purchase Agreements.
- Contracts for Difference.
- Market-based procurement
- **Case Study – EU:** Examine current policy efforts to remove barriers to PPAs and the use of CfDs to accelerate clean-energy investment.

Module 4: Grid Connection, Transmission and Variable Renewable Energy Integration

- Grid-code compliance
- System flexibility
- Forecasting
- Transmission planning
- **Case Study – Kenya and India:** Compare Kenya's focus on flexibility and ancillary services with India's stricter renewable-generation forecasting and deviation requirements.

Module 5: Electricity Markets, Open Access and Regulatory Reform

- Market design
- Open access
- Competitive electricity markets

- Regulatory oversight
- **Case Study – Kenya:** Examine the development of open-access electricity-market arrangements and their potential implications for renewable generators and large consumers.

Module 6: Offshore Wind, Marine Regulation and Cross-Border Development

- Offshore leasing
- Marine spatial planning
- Environmental regulation
- Cross-border coordination
- **Case Study – European offshore wind:** Analyse how grid planning, permitting, and regional coordination influence offshore wind deployment and investment.

Module 7: Investment, Supply Chains, Local Content and Social Licence

- Investment frameworks
- Supply-chain policy
- Local-content requirements
- Community benefits
- **Case Study – Norway:** Review efforts to accelerate onshore wind while addressing local and Indigenous community concerns and transmission constraints.

Module 8: Regulatory Compliance, Risk Management and Future Wind-Energy Policy

- Compliance management
- Policy and regulatory risk
- Repowering and decommissioning
- Emerging regulation
- **Case Study – Global regulatory trends:** Compare emerging approaches to grid integration, permitting, repowering, supply chains, and system-value-based wind procurement.

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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