Renewable Energy Policy Analysis 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 Policy Analysis Training Course provides a practical and strategic framework for understanding, evaluating, and designing policies that accelerate the clean energy transition, strengthen energy security, and support net-zero pathways. The course examines the rapidly evolving policy landscape surrounding solar power, wind energy, energy storage, grid modernization, electrification, energy efficiency, carbon reduction, climate resilience, and sustainable energy investment. Current policy priorities increasingly extend beyond renewable-capacity deployment toward grid flexibility, storage, transmission, market design, energy access, critical-mineral supply chains, and policy certainty.

Participants will develop the analytical skills needed to assess renewable energy legislation, regulations, incentives, tariffs, auctions, power-purchase agreements, carbon-pricing mechanisms, climate targets, and energy-transition strategies. The course uses applied case studies to connect policy theory with real-world decision-making, including Kenya's variable-renewable-energy integration, where flexibility, storage, ancillary services, and regulatory reform are becoming increasingly important. Through interactive exercises, policy reviews, stakeholder analysis, scenario planning, and evidence-based assessments, participants learn how to translate energy data and policy evidence into actionable recommendations for governments, utilities, investors, development organizations, and communities.

Programme Curriculum

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Course Objectives

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

1. Analyze renewable energy policies using evidence-based policy-analysis frameworks.
2. Evaluate net-zero strategies and their implications for energy-sector transformation.
3. Assess solar, wind, geothermal, hydro, biomass, and emerging clean-energy policies.
4. Examine energy transition pathways and national climate commitments.
5. Evaluate renewable energy incentives, auctions, tariffs, and market-based mechanisms.
6. Analyze grid modernization, transmission, flexibility, and energy-storage policies.
7. Assess energy-access, affordability, and just-transition considerations.
8. Evaluate carbon pricing, emissions reduction, and climate-policy instruments.
9. Conduct stakeholder mapping, regulatory analysis, and policy-impact assessment.
10. Apply scenario planning, techno-economic evidence, and policy modelling to energy decisions.
11. Identify investment, financing, supply-chain, and critical-mineral policy risks.
12. Develop policy recommendations supporting resilient, inclusive, and sustainable energy systems.
13. Produce professional renewable energy policy briefs, strategic assessments, and implementation roadmaps.

Target Audience

1. Government policymakers and energy-sector officials.
2. Energy regulators and public-sector decision-makers.
3. Renewable energy developers and project managers.
4. Utility executives, grid planners, and system operators.
5. Energy consultants, analysts, and researchers.
6. Climate finance and sustainable-investment professionals.
7. Development agencies, NGOs, and international organizations.
8. Academics, educators, and postgraduate professionals

Course Modules

Module 1: Renewable Energy Policy & Energy-Transition Fundamentals

- Global renewable-energy policy landscape and emerging **energy-transition trends**.

- Policy drivers-energy security, affordability, sustainability, competitiveness, and resilience.
- National climate targets, NDCs, net-zero commitments, and energy strategies.
- Policy instruments supporting renewable-energy deployment.
- **Case Study:** Kenya's transition toward a predominantly renewable electricity system and the policy challenges associated with rising variable renewable energy.

Module 2: Renewable Energy Policy Instruments & Regulatory Frameworks

- Feed-in tariffs, renewable portfolio standards, auctions, tax incentives, and contracts.
- Competitive procurement and **market-based renewable-energy support mechanisms**.
- Licensing, permitting, environmental regulation, and compliance.
- Regulatory governance and institutional coordination.
- **Case Study:** The global shift toward auctions and market-based mechanisms for solar and wind deployment.

Module 3: Renewable Energy Economics, Finance & Investment Policy

- **Levelized cost of energy (LCOE)** and policy-driven investment analysis.
- Public-private partnerships, blended finance, guarantees, and concessional finance.
- Investment-risk assessment and policy certainty.
- Renewable-energy project bankability and financial incentives.
- **Case Study:** How weakening policy certainty and financing conditions can constrain energy-transition investment despite record global energy investment.

Module 4: Grid Modernization, Storage & System Flexibility

- **Grid flexibility** and integration of variable renewable energy.
- Battery energy storage, pumped hydro, and **long-duration energy storage**.
- Transmission planning, interconnection, and grid-access policies.
- Demand response, smart grids, ancillary services, and flexible markets.
- **Case Study:** Kenya's VRE integration priorities, including open access, flexibility, storage, and ancillary services.

Module 5: Energy Access, Affordability & Just Energy Transition

- Universal electricity access and **clean-cooking policy**.
- Energy affordability, consumer protection, and inclusive policy design.
- Rural electrification, distributed generation, and mini-grid frameworks.
- **Just transition**, employment, local value creation, and social equity.
- **Case Study:** Sub-Saharan Africa's renewed policy activity around electricity access and clean cooking.

Module 6: Climate Policy, Carbon Markets & Decarbonization

- **Carbon pricing**, emissions trading, and climate-policy instruments.
- Renewable energy as a component of national decarbonization strategies.
- Sector coupling, electrification, energy efficiency, and fuel switching.
- Climate-risk assessment and policy alignment with net-zero objectives.
- **Case Study:** Recent changes to energy-efficiency regulation and carbon-pricing frameworks demonstrate the importance of balancing emissions goals, affordability, and industrial competitiveness.

Module 7: Energy Security, Supply Chains & Critical Minerals

- Renewable-energy supply-chain resilience and geopolitical risk.
- **Critical minerals** and clean-technology manufacturing policies.
- Domestic manufacturing, localization, recycling, and circular-economy strategies.
- Energy-security implications of solar, batteries, grids, and power electronics.
- **Case Study:** Government responses to concentrated critical-mineral and clean-energy technology supply chains.

Module 8: Policy Analysis, Scenario Planning & Strategic Recommendations

- Policy-cycle analysis: problem definition, formulation, implementation, and evaluation.
- **Scenario planning**, policy modelling, and evidence-based decision-making.
- Stakeholder analysis, political-economy assessment, and implementation risks.
- Developing **policy briefs, dashboards, recommendations, and transition roadmaps**.
- **Case Study:** Designing a renewable-energy policy package that combines deployment targets with grid modernization, storage, financing, and regulatory reforms

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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