



RENEWABLES FIRST

Associate - Flexibility and Consumer Energy Resources

Location: G-8 Markaz, Islamabad

Department: Power Markets

Type: Full time

About Renewables First

Renewables First (RF) is a think and do tank for energy and the environment. RF's work addresses critical energy and natural resource issues with the aim of making energy and climate transitions fair and inclusive through impactful research, advocacy, and strategic partnerships.

Job Description

Pakistan's energy future will be shaped by flexibility, the ability of consumers, devices, and distributed assets to respond to change in real time. From rooftop solar and battery storage to electric vehicles and demand response, the grid edge is becoming the new marketplace.

Renewables First is seeking an Associate – Flexibility and Consumer Energy Resources, to explore how emerging technologies and consumer participation can unlock flexibility in Pakistan's power sector.

The role combines data analysis, modelling, and policy research to understand how flexibility can reduce costs, improve reliability, and accelerate renewable integration. You'll help uncover how households, MSMEs, and industries can become active energy participants, and what policies, tariffs, and digital tools can empower them to do so.

Key Responsibilities

Flexibility and Distributed Energy Analysis

- Support modelling and data analysis on distributed generation, storage, and demand-side flexibility.
- Use tools like PSSE, PyPSA, LEAP, or TIMES to assess flexibility needs under various renewable integration scenarios.
- Analyse tariff structures, net metering, and demand response potential to inform consumer-centric market design.

Policy, Regulation, and Market Innovation

- Review frameworks such as CTBCM, IGCEP, and NEPRA determinations to identify enablers and barriers for DER participation.
- Contribute to research papers and policy briefs on flexibility markets, energy storage, and prosumer participation.
- Support pilot studies on local energy markets, peer-to-peer trading, and virtual power plants (VPPs).

Stakeholder and Program Engagement

- Liaise with regulators, utilities, and innovators to gather insights on flexibility initiatives.



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- Support RF's advocacy on consumer-centric policy reforms and market modernization.

Qualifications and Experience

- Bachelor's or master's degree in electrical engineering, energy systems, or a related field.
- 1-3 years of experience in energy modelling, distributed energy, or regulatory/policy analysis.
- Understanding of Pakistan's power sector frameworks (CTBCM, IGCEP, TSEP).
- Familiarity with modelling tools such as PSSE, PyPSA, LEAP, TIMES, or similar.
- Interest in demand-side management, storage technologies, and consumer-driven energy models.

Application

If you would like to join our dynamic team, please apply at your earliest convenience. We process applications on a rolling basis. Female candidates are strongly encouraged to apply.

Email your CV and letter of motivation in one PDF file titled "First name_Last name_Associate - Flexibility and Consumer Energy Resources" to hr@renewablesfirst.org