



ECOMETRICS

**Introduction to
International Renewable Energy
Certificates (IREC)**



What is I-REC Certification?

The International Renewable Energy Certificate (I-REC) is a global certification mechanism that tracks and certifies the production of electricity from renewable sources like solar, wind, hydro, and biomass. For every 1 megawatt-hour (MWh) of renewable electricity produced, one I-REC certificate is issued.

I-RECs are a verified, tradable proof that 1 MWh of electricity was generated from a renewable source. They are bought by companies or institutions looking to claim renewable energy usage, either for compliance, corporate responsibility, or market differentiation

Why I-RECS ?

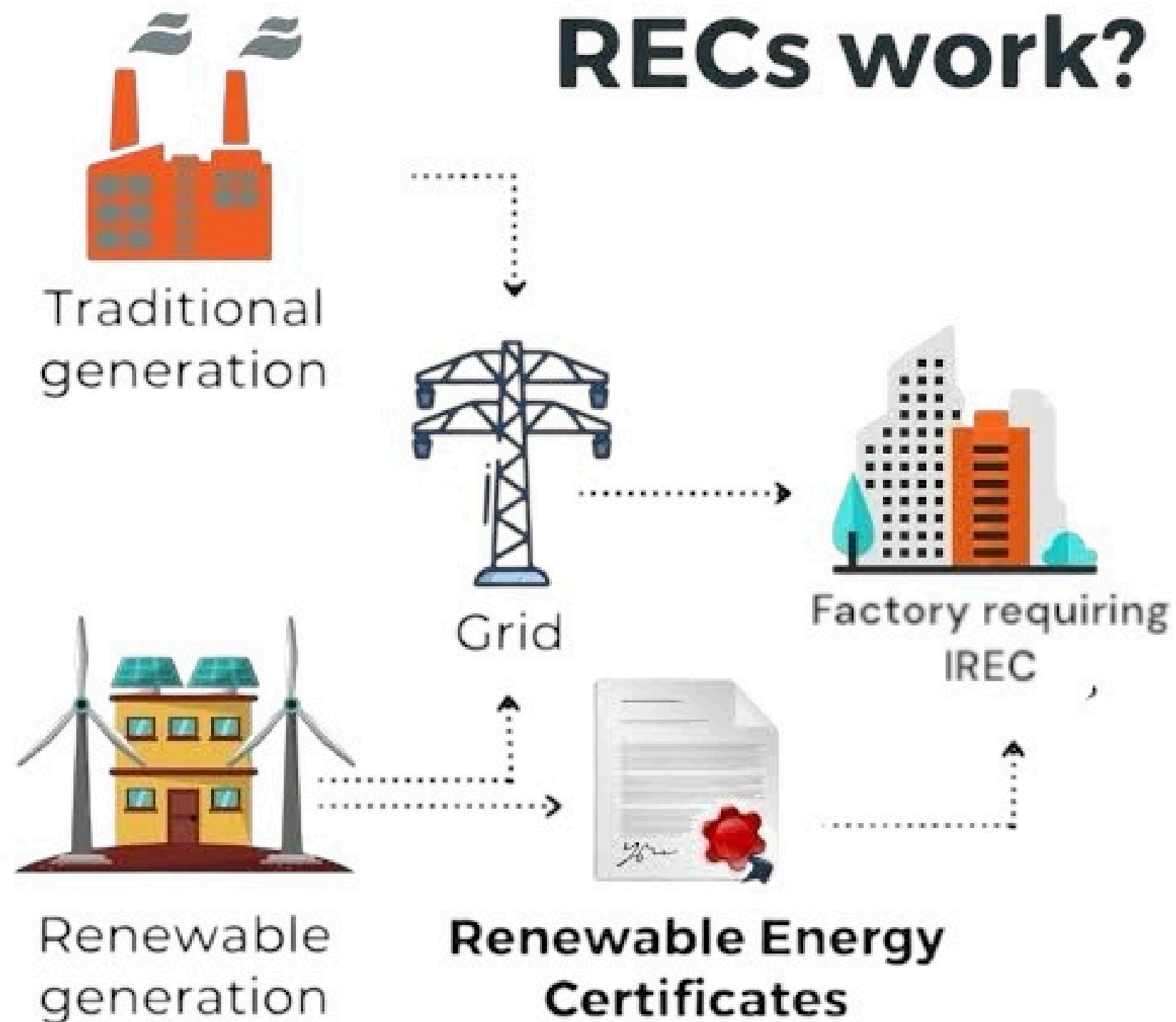
- **Source Documentation:** I-REC allows for the verification of the source of electricity generated from renewable energy facilities, enabling those who use this electricity to document their consumption of renewable energy. This assists consumer companies in supporting their sustainability goals.



Why I-RECS ?

- **Trade and Monitoring:** I-REC certificates facilitate the trading of electricity generated from renewable energy facilities. This provides an opportunity for energy producers to generate additional income and allows consumer companies to increase their consumption of clean energy.
- **Carbon Monitoring and Sustainability Reporting:** I-REC certificates can be used to balance and reduce companies' carbon footprints.

How do RECs work?



- Renewable energy producers generate electricity and feed it into the power grid, alongside traditional fossil-fuel generation.
- For every 1Mwh of renewable energy produced, a certificate is issued as proof of its green origin.
- Factories or companies then purchase these certificates to match their electricity consumption with renewable energy, enabling them to claim sustainability benefits even though the grid electricity they consume comes from a mix of sources.

Who Buys I-RECs?

I-REC buyers are typically organizations or companies that want to offset their electricity usage (**Scope 2 in carbon footprint**) by proving it came from renewable sources without having to produce it themselves. These include:

- Local Suppliers for Multinational Companies
- Export-Oriented Manufacturers
- Multinational Corporations

Ecometrics Role

Ecometrics acts as a trusted partner and expert advisor for renewable energy project owners, guiding them through the full lifecycle of obtaining, managing, and monetizing International Renewable Energy Certificates (IRECs). Our comprehensive service ensures both technical compliance and maximum commercial benefit.

Specifically, Ecometrics:

- Evaluates project eligibility by assessing technical standards, grid connection, and metering systems to ensure the renewable energy facility meets IREC criteria.
- Registers the project on the IREC platform, preparing and submitting all required documentation such as technical specifications, operational data, and proof of grid connection.
- Manages issuance and verification, coordinating the annual issuance of certificates and handling all verification processes .
- Operates the IREC registry account on behalf of the plant owner, ensuring compliance and ongoing tracking of certificates.
- Supports monetization by identifying potential buyers, advising on market pricing and trends, and facilitating sales agreements to maximize revenue from the certificates.

In short, Ecometrics delivers a turnkey solution, allowing clients to focus on their core business while unlocking the environmental and financial value of their renewables energy production.

Start your IREC journey now



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