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Türkiye I-REC Market

Türkiye has evolved from an industrial-led renewable procurement market into one of the world's largest supply-chain-driven I-REC markets, supported by export-oriented industries and increasing sustainability requirements from multinational corporations.

Market Scale

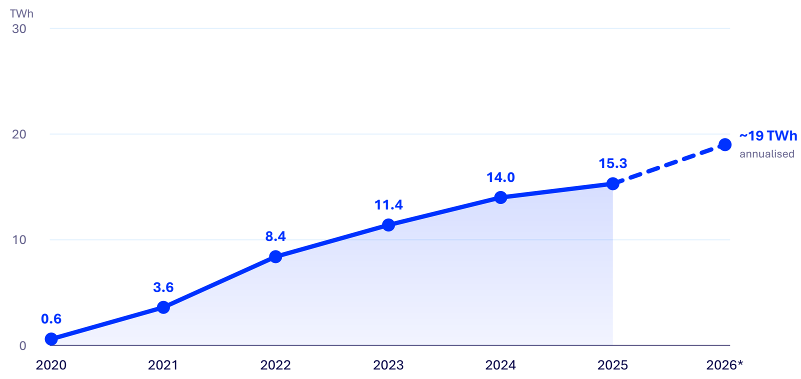
Türkiye is emerging as a strategic renewable energy market at the intersection of growing clean power generation and accelerating corporate demand. Over the past five years, I-REC demand has grown at a CAGR of 91.2%, underpinnedby a diversified renewable energy base, growing corporate participation, and rising demand for credible renewable energy claims.

114 TWh
I-RECs Issued (All time)

67.9 TWh
I-RECs Redeemed (All time)

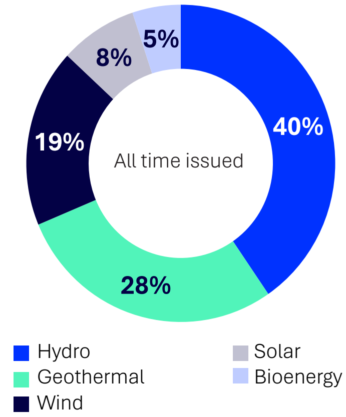
10.6 GW
Registered Capacity

Demand Growth



Türkiye's I-REC demand has grown significantly, increasing from 0.6 TWh in 2020 to 15.3 TWh in 2025, with demand projected to reach approximately 19 TWh in 2026.

Technology Mix



Türkiye's renewable supply is significantly diversified, reducing concentration risk and enabling buyers to source from multiple technologies.

Why This Matters

Türkiye combines large-scale renewable supply with rapidly growing corporate demand, making it one of the most strategically important I-REC markets for both corporate buyers and market participants.

I-REC Global Track Record

1.4 Billion +
I-RECs Issued

1 Billion +
I-RECs Redeemed

65+
Issuing Countries

225 GW+
Registered Capacity

What's Driving I-REC Demand in Türkiye?

Export-oriented industries and global sustainability requirements are shaping demand.

Demand Segments

Top Industries Driving Demand (2023-2026)

Textiles, apparel and luxury goods	12%
Automobiles & components	11%
Containers and packaging	8%
Telecommunication services	8%
Metals and mining	7%
Household durables	5%
Food products	5%
Construction materials	4%
Banks	4%
Chemicals	4%

Demand remains concentrated in industrial and export-oriented sectors, reflecting the growing importance of sustainability requirements across global supply chains.

Demand Drivers

Demand Driver	Relevance
Export requirements	High
Scope 2 reporting	High
Supply chain pressure	High
RE100 commitments	Medium
Investor expectations	Medium
Local regulation	Emerging

Demand is primarily driven by export markets, Scope 2 reporting, and corporate sustainability commitments, with growing influence from supply-chain decarbonization and emerging regulatory drivers.

Demand Use-Case Insight

I-REC procurement trends (2023-2026) in Türkiye indicate that demand continues to be anchored in corporate sustainability commitments, Scope 2 voluntary reporting, and alignment with global reporting frameworks such as the GHG Protocol, SBTi, and RE100.

Purpose of Redemption

Scope 2, 89%

Other, 11%

Türkiye's Position in the Global I-REC Market

- 4th largest I-REC market globally by demand volume (All time)
- One of the fastest-growing established I-REC markets
- Demand is driven by export-oriented manufacturing
- One of the most diversified buyer bases globally

Market Evolution

- 2020 — Industrial Demand
- 2022 — Export Supply Chain Scale
- 2024 — Scope 2 Reporting Accelerates
- 2026+ — Mainstream Corporate Adoption

I-RECs

I-RECs are internationally recognized certificates for tracking renewable energy attributes, enabling organizations to support renewable electricity claims under frameworks such as the GHG Protocol, RE100, CDP, and SBTi.

Xpansiv operates the world's largest integrated platform for the energy transition, trusted by financial institutions, corporations, governments, and power producers worldwide.
www.xpansiv.com

Unlock reliable renewable energy procurement through I-RECs.

Contact Xpansiv for more information.
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