Wind Energy (Onshore & Offshore)

Source Metadata

Field	Value
source	cbi
source_version	CBI Taxonomy (current)
source_id	CBI-ENE-002
cbi_sector	Energy
bond_eligible	Y
mitigation	Y
adaptation	N
last_checked	2026-05-26

CBI Sector Criteria

Wind energy was among the first sectors to receive CBI certification criteria. Both onshore and offshore wind generation facilities are fully eligible for Climate Bonds certification. The criteria recognize wind as a zero-emission generation technology with no fossil fuel backup threshold requirement, making certification relatively straightforward compared to hybrid or thermal technologies.

Eligible Activities & Assets

Eligible assets include: onshore wind farms and individual turbine installations; offshore fixed-bottom wind farms; floating offshore wind platforms; dedicated transmission infrastructure connecting wind farms to the grid (including subsea cables for offshore projects); wind farm repowering and life extension investments; and ancillary infrastructure such as substations and meteorological monitoring equipment directly supporting wind generation.

Certification Process

Issuers submit project documentation to an approved verifier demonstrating that bond proceeds fund eligible wind assets. Pre-issuance verification confirms technical specifications, permits, and power purchase agreements. Post-issuance reporting requires evidence of actual capital expenditure on nominated wind projects and generation performance data. Annual reporting continues through the bond term.

LATAM Market Context

Wind energy is the single largest funded category in LATAM green bond markets. Brazil dominates regional wind investment, with over 30 GW of installed onshore capacity and an emerging offshore wind pipeline in the northeast. Chile and Mexico have also issued significant wind-backed green bonds. Colombia's Caribbean coast has strong wind resources, with the La Guajira region hosting several large-scale projects in development.

Colombia Green Finance Taxonomy Alignment

The TVC classifies wind energy generation as a fully eligible mitigation activity. CBI certification aligns closely with TVC requirements for wind projects. Colombia's offshore wind regulatory framework, established in 2022, enables future bond issuance for marine wind projects that would meet both CBI and TVC criteria simultaneously.

Cleantech Taxonomy Crosswalk

Maps to Cleantech Taxonomy sector ES (Energy) — specifically ES-RE-WND (Renewable Energy: Wind). Offshore wind also cross-references AF-MC (AFOLU: Marine Conservation) for environmental impact considerations and XS (Cross-Sectoral) for grid integration components.

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