CT-EN-006 — Distributed Generation & Prosumers

origo_id	CT-EN-006
origo_label	Distributed Generation & Prosumers
sector	EN
source	origo
cpi_aligned	Renewable energy generation — distributed
eu_taxonomy_aligned	Y — NACE D35.11 distributed electricity generation from renewables
cbi_eligible	Y — Distributed renewable generation under CBI Energy criteria
iea_aligned	Y — IEA ETCS distributed energy resources
col_gf_sector	Energía
col_gf_activity	Autogeneración y generación distribuida a partir de fuentes renovables
col_gf_aligned	Y
col_ndc2030_aligned	Y — distributed generation supports both mitigation and energy access targets in NDC
col_sisclima_relevant	Y
col_ley2169	Y — Art. 7 renewable energy; Art. 3 mitigation
latam_colombia	Y
cth_clp_coverage	Y — 3 CLP companies offer distributed solar installation and prosumer services
cth_data_coverage	Y
schema_version	1.1
last_updated	2026-05-27

Description

Self-generation (autogeneración) and distributed generation from renewable sources, including prosumer models where consumers both produce and consume electricity. Covers net metering, net billing, and power purchase agreements for distributed resources. Colombia's regulatory framework for distributed generation has evolved significantly since Ley 1715 de 2014, creating growing opportunities for SMEs and communities.

Colombia Context

Ley 1715 de 2014 established the foundational framework for distributed generation and self-generation in Colombia, subsequently strengthened by Ley 2099 de 2021. CREG Resolución 174 de 2021 defines net metering (medición bidireccional) for installations up to 1 MW, allowing prosumers to sell surplus to the grid. CREG Resolución 075 de 2021 regulates distributed generation up to 5 MW. As of 2025, over 3,500 distributed generation installations are registered with the SUI (Sistema Único de Información), predominantly rooftop solar. EPM, Celsia, and Enel-Codensa offer prosumer programs in Medellín, Cali, and Bogotá respectively. Tax benefits under Ley 2099 include 50% income tax deduction, VAT exemption, and customs duty exemption for equipment. Community energy models (comunidades energéticas) are emerging in Santander and Boyacá, supported by Ley 2099 Art. 13.

EUDR Relevance

This node has no direct EUDR commodity relevance.

CTH Data Coverage

Three CLP cohort companies are active in distributed generation: two in rooftop solar EPC and one in prosumer energy management software. Sustenttia diagnostics capture enterprise energy sourcing and distributed generation adoption indicators. REIN Hub data from Santander documents community solar installations in rural municipalities.

Green Finance Alignment

Fully TVC-aligned for distributed renewable generation. CBI-eligible under distributed energy criteria. EU Taxonomy aligned under D35.11. Bancoldex offers green credit lines for distributed generation projects through financial intermediaries. Microfinance institutions (Bancamía, Contactar) have piloted solar prosumer loans for low-income households with IDB support.


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Creado 2026-05-27 05:10:07 UTC por Gideon Blaauw
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