

CEMIG GENERATION

Current conditions and ambitions

Ref. 2024/2025



In the energy generation business, the Company stands out for its use of 100% renewable sources, whether through centralized or distributed generation.

In the distributed generation business, Cemig has Cemig Sim, which aims, among other activities, to format businesses and develop solutions associated with micro and mini distributed generation of electric energy, including the provision of management services through remote self-consumption and shared distributed generation modalities, with the formation and management of Consortia established for this purpose.

In 2024, it invested approximately R\$342 million in acquisitions and development of photovoltaic solar energy generation plants, with a current installed capacity of 207MW.

Cemig SIM reached the milestone of 33 thousand solar energy subscription consumer units in 2024. The company is seeking to expand its installed capacity aligned with Cemig's Strategic Planning, prospecting the development of new projects and plans to invest, between 2025 and 2026, approximately R\$442 million in the distributed generation segment.

In centralized generation, the hydroelectric source represents the largest share, corresponding to 95.09% of the installed capacity, with 36 hydroelectric plants and a total capacity of 4,449.06 MW. The second largest source is solar, which accounts for 3.40% of the installed capacity, with 10 photovoltaic solar plants totaling 158.92 MW. Complementing the portfolio, Cemig operates two wind farms, with a capacity of 70.80 MW, equivalent to 1.51% of the total installed capacity. As part of its Strategic Planning 2024-2029, Cemig aims to add 870 average MW of physical guarantee to the portfolio through projects from hydroelectric, wind, and solar sources with adequate financial returns, maintaining the 100% renewable matrix.

At the end of 2024, considering centralized and distributed generation, the Company had an installed capacity of 4,885.78 MW, as shown in the table below.

	2022		2023		2024	
	MW	%	MW	%	MW	%
Hydraulic	5,368.40	95.86	5,010.34	94.68	4,449.06	91.06%
Wind	147.30	2.63	175.70	3.32	70.80	1.45%
Solar (Centralized)	3.92	0.07	3.92	0.07	158.92	3.25%
Distributed generation (solar)	88.00	1.44	102.00	1.93	207	4.24%
Total	5,607.62	100	5,291.96	100	4,885.78	100

The table below presents the net generation by energy generating source (GWh):

Primary source	2024	%
Hydraulic	14,331.47	94.30
Wind	366.96	2.41
Solar	107.94	0.71
Solar distributed generation	390.92	2.57
Total Generation	15,197,29	100

To serve its energy market (free and captive), Cemig purchases energy from third parties.

From third-party purchases, 13,336 GWh were considered non-renewable (considering the participation of thermal power stations in the grid) and 72,181 GWh were classified as renewable (hydro, wind and solar).

Based on the electricity generation mix (own/controlled assets and purchased/sold electricity from third parties), the total electricity sold during the last reporting year was 100,714.29 GWh.

As presented in the financial statement of 2024 ([Demonstracoes-Financeiras-Anuais-Completas-cemig-2024-12-31-zL6pTLFp.pdf](#), page 148), the net revenue of generation was BRL 2,919,344,000.00 and BRL 130,567,000 in Solar distributed generation.

As part of the Strategic Planning, the ambition of the Company is 870 MWm focusing on renewable sources centralized and increasing the efficiency of the portfolio [Apresentação do PowerPoint](#) (pag27), hydro and solar.

In distributed generation, through Cemig Sim, the ambition is to achieve market leadership in distributed generation in the State of Minas Gerais, focusing on excellence in customer service. Investing BRL 2.6 billion in 2026 in own vertical solar farm projects (totaling 600 MWp) [Apresentação do PowerPoint](#) (pag 32).