

# **CEMIG GENERATION**

## **Current conditions and ambitions**

**Ref. 2023/2024**



On December 31, 2023, the installed capacity of group Cemig was 5,278. In addition to distributed generation, there are 68 electrical power plants, all using renewable energy sources (hydro, wind and solar).

The water source corresponded to the largest portion of the installed capacity, in the value of 5,010.34 MW, distributed among 57 hydroelectric power plants. Ranking second was the wind source, with 175.70 MW of installed capacity in 9 wind farms. Finally, there were two photovoltaic solar power plants, with a combined installed capacity of 3.92 MW.

With regard to distributed generation, the company has an installed capacity of 88 MWp, through 23 solar farms, located in different regions of Minas Gerais.

The table below presents the installed capacity by energy source:

Primary source	2021	2022	2023
Hydraulic	5,638.10	5,368.40	5,010.34
Wind	115.20	147.30	175.70
Solar	1.40	3.92	3.92
Distributed generation	0.0	11	88

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

Primary source	2023	%
Hydraulic	5,565.10	93.33%
Wind	221.30	3.71%
Solar	7.29	0.12%
Solar distributed generation	169	2.83%
Total Generation	5,962.69	100%

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

From third-party purchases, 13,013 GWh were considered non-renewable (considering the participation of thermal power stations in the grid) and 73,388 GWh renewable.

As presented in the financial statement of 2023 (<https://ri.cemig.com.br/docs/Demonstracoes-Financeiras-Anuais-Completas-cemig-2023-12-31-HRTHMj7t.pdf>, page 112), the net revenue of generation was BRL 2,874,757,000.00.

As part of the Strategic Planning, the ambition of the Company is 870 MWm focusing on renewable sources and increasing the efficiency of the portfolio.

We are currently building two photovoltaic power stations:

- Boa Esperança
- Jusante (Downstream)

In September 2022, work began on the implementation of the Photovoltaic Power Stations ("UFVs") Boa Esperança and Jusante. Both projects have completed around 85% of the works and are expected to come into operation at the end of the first quarter of 2024.

UFV Boa Esperança will have 85 MW of installed power (approximately 100.4 MWp), located on land owned by the Company, in the city of Montes Claros, state of Minas Gerais (MG).

UFV Jusante will be made up of 7 plants of 10 MW each, totaling 70 MW of installed power (approximately 87 MWp), also located on land owned by the Company, in the city of São Gonçalo do Abaeté, state of Minas Gerais.

With investments estimated at BRL 850 million, the implementation of these power stations is aligned with the strategic planning of Cemig Group, highlighting its operations in the renewable energy segment, with profitability compatible with the capital cost of the Company for this type of project.

Floating solar plants are also being development.

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 3.3 billion in 2026 in own vertical solar farm projects (reaching 600 MWp).