



OUR ENERGY
TRANSFORMS

The company that **invests most** in Minas Gerais

⚡ 100% renewable

⚡ Benchmark for ESG

⚡ Leadership in the energy transition

⚡ Brazil's largest integrated power company

⚡ Powering development in Minas Gerais State

⚡ Biggest incentivator of culture in Minas



Distribution

Largest electricity distribution company*

558,000 km (346,700 miles)
of distribution network

9.2 million clients

** by total length of network*



Transmission

4th largest
transmission company*

5,017 km (3,117 miles)
52 substations

** By regulatory transmission revenue (RAP)*



Generation

6th largest
generation company*

5.3 GW – 100% renewable
69 generating plants

**By installed capacity*



Trading

Brazil's largest
electricity trader*

15 % market share

**by market share*



Natural gas

2.8 million m³ daily

82,000 clients



Distributed generation

Investing **R\$ 3.2** billion by 2027

Adding **540** MWp

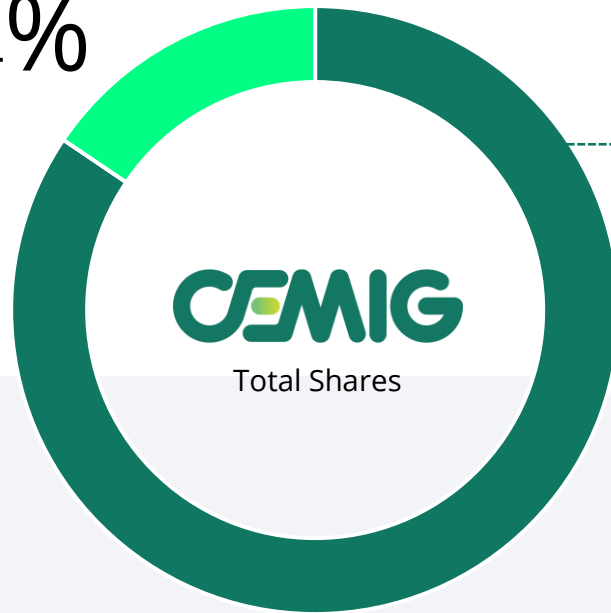
STOCKHOLDING STRUCTURE

17.04%

State of
Minas Gerais



Minas Gerais State government
has stockholding control, with
50.97% of the common shares.



82.96%

Private sector

Brazilian private sector	32.02%
FIA Dinâmica	15.97%
Other	16.05%
Non-Brazilian private sector	45.50%
ADRs	9.05%
Other	36,45%
Other stockholders	5.44%

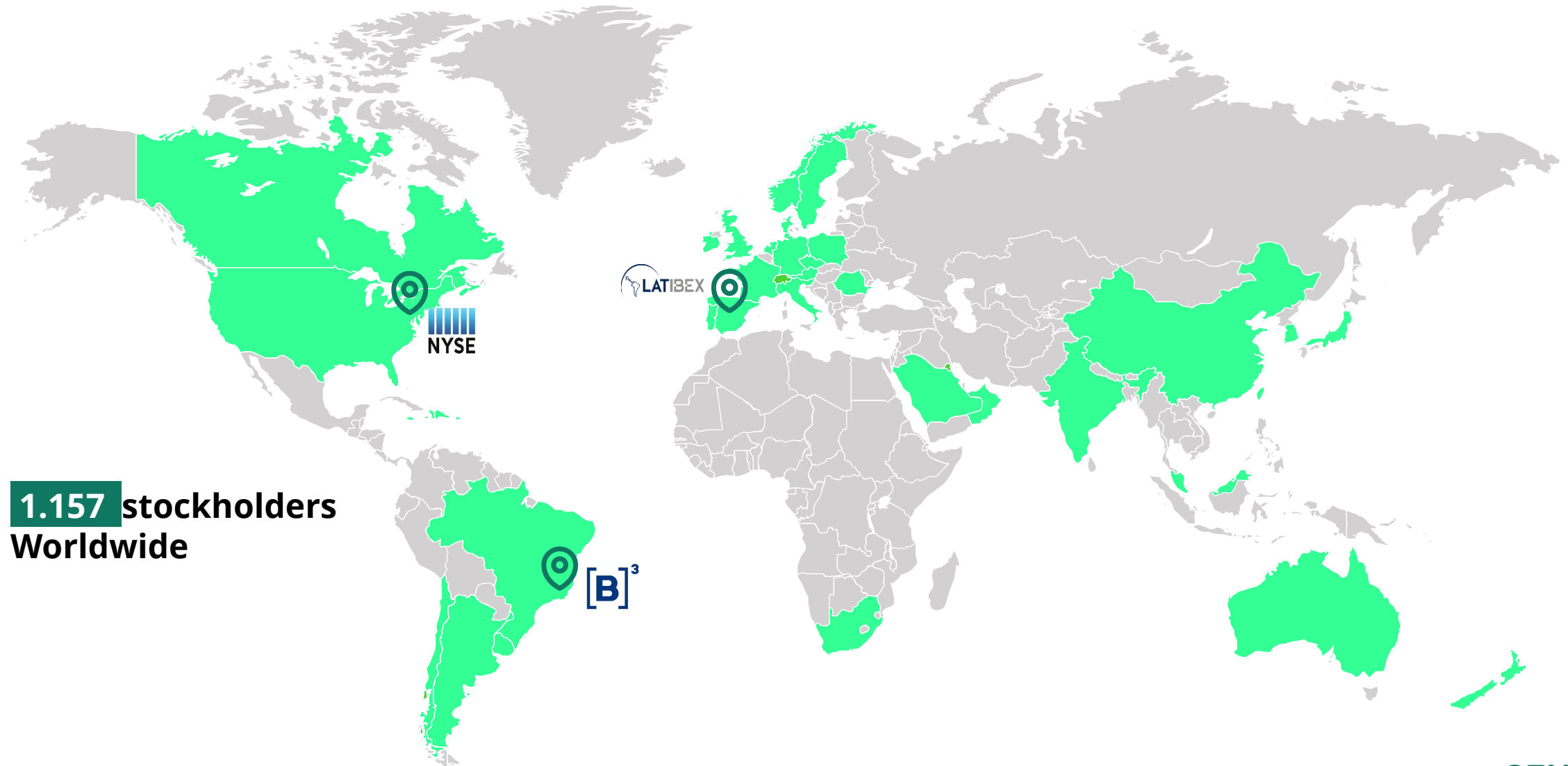


Solid dividends policy

Payout – 50%

Guaranteed minimum dividend of
R\$ 0.50 per preferred share

INVESTORS ON ALL CONTINENTS



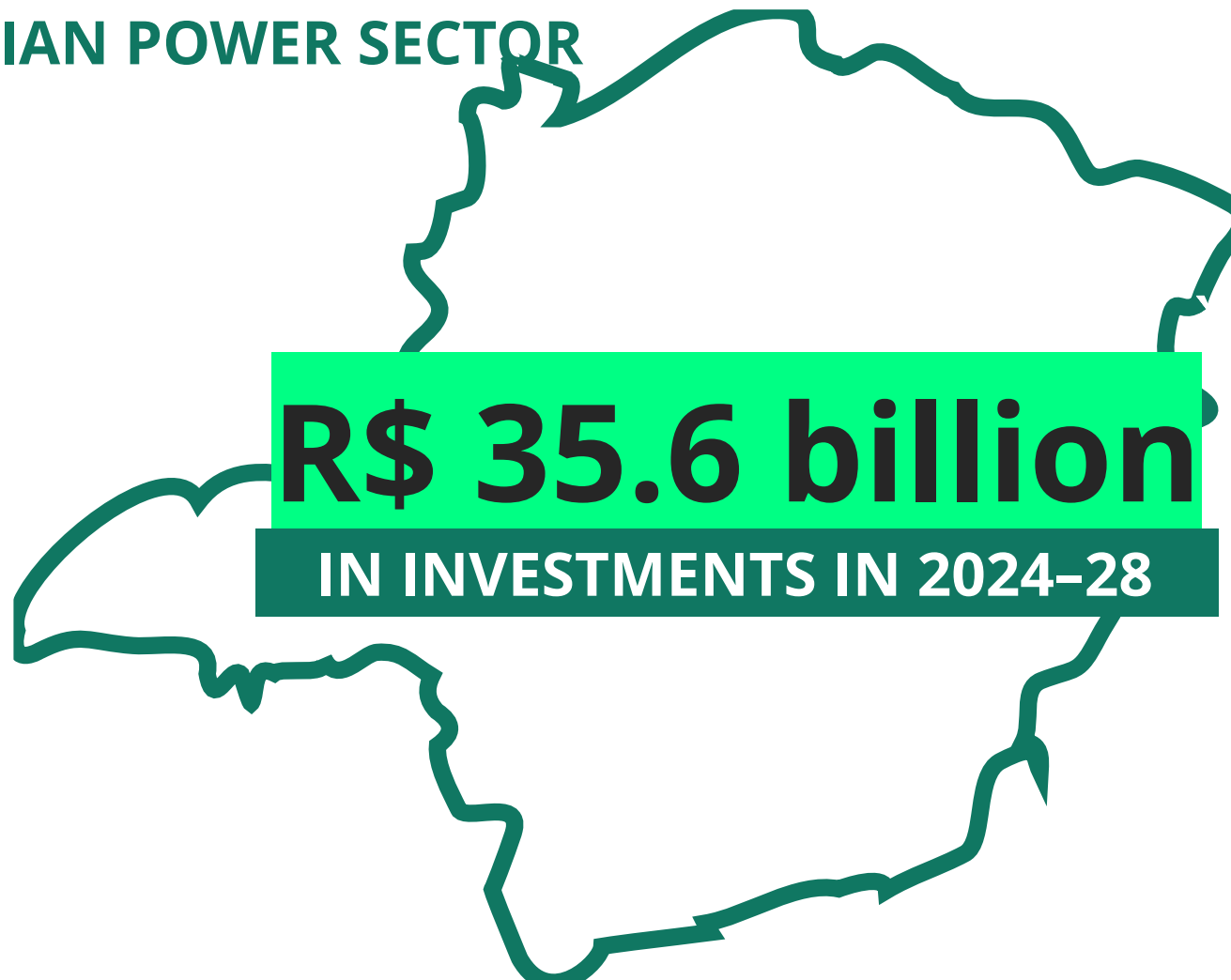
BUSINESS AND RESULTS

STRATEGY

- “ Focus on **Minas Gerais**, in
- **electricity** distribution, transmission and trading,
 - and distribution of **gas**
- in all of these, leading in **customer satisfaction** and **safety**
- with regulatory levels of efficiency, through modern, sustainable **management** with **private-sector** logic
- making the largest **investments** in Minas Gerais in Cemig's history. ”



LARGEST INVESTMENT PLAN IN THE BRAZILIAN POWER SECTOR



R\$ 23.0 bn
DISTRIBUTION



R\$ 2.1 bn
GENERATION



R\$ 3.8 bn
TRANSMISSION



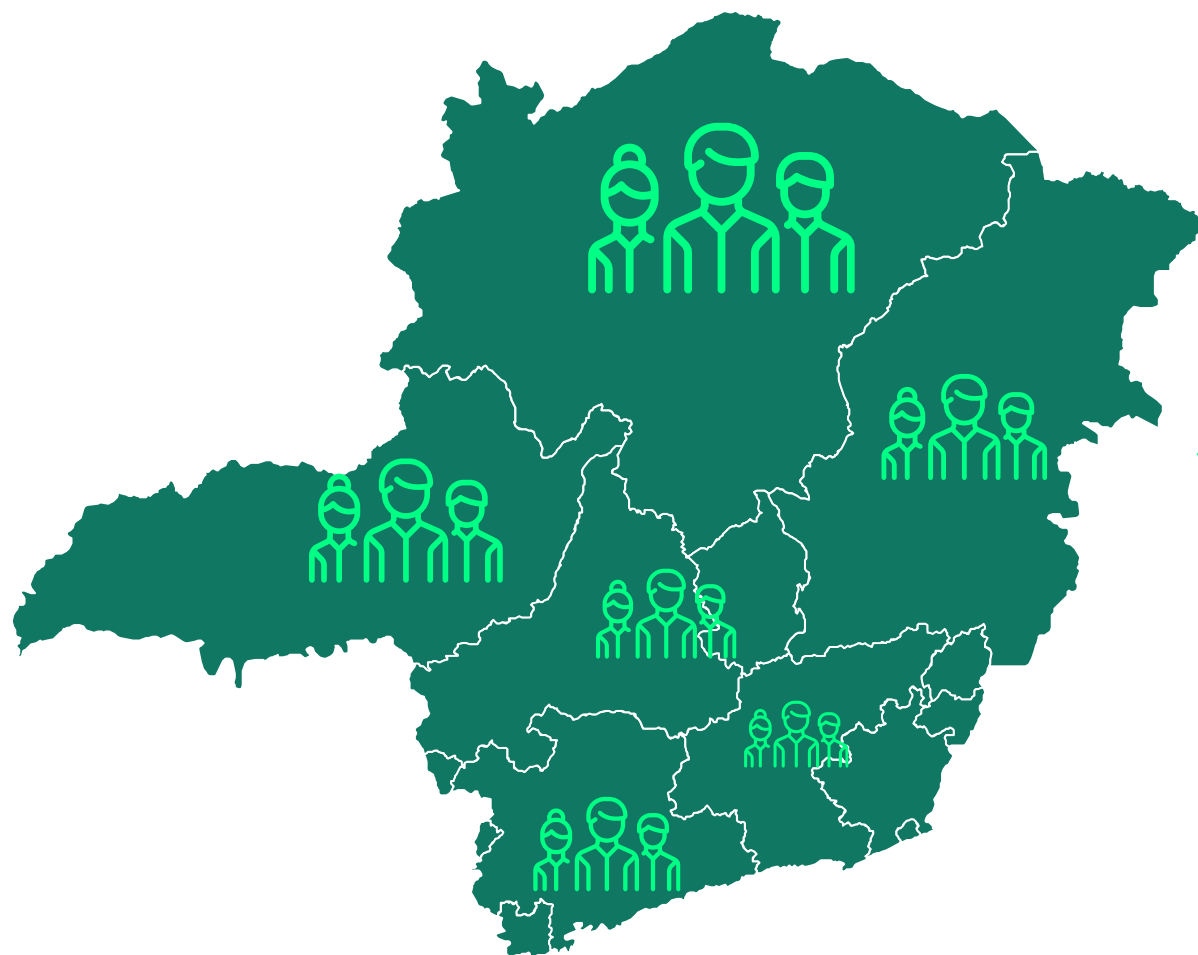
R\$ 3.3 bn
SOLAR DISTRIBUTED
GENERATION



R\$ 1.8 bn
NATURAL GAS



R\$ 1.6 bn
INNOVATION



JOB CREATION

165,000*

NEW JOBS

* Source: João Pinheiro Foundation.

HOW THE STRATEGY HAS CHANGED

2009 – 2018

Investments in minority stakes and outside the core businesses reduced competitiveness

R\$ 34 billion invested – but net R\$ 12 billion **value destroyed**

Low investment in the regulated businesses – average R\$ 1.0 billion / year

Loss of more than **50%** in **installed generation capacity**

Unmet demand reached almost **50%** of Cemig D's load

After 2019

Disinvestment of minority holdings, **recovering cash** of more than **R\$ 7.1 billion**

Largest **investment** program in Cemig's history: **R\$ 35,6 bn** in **2024–28**; focus on the concession

Investments in **generation and transmission** resumed

Unmet demand expected to be less than **10%** of total load at the end of this cycle of investment

SHARE APPRECIATION

Present
market cap:

R\$ **28** billion

Market cap in Oct. 2018:

R\$ 10.1 billion

Dividends of over
R\$ 7.2 billion
paid since 2019

MAIS ENERGIA (**'MORE ENERGY'**) program



200 new substations by 2027

(addition **of 50%**)

– also generating jobs and income

New substations built by 2018:



10 substations

In 2027,
Cemig will have

615 substations

New substations: present average

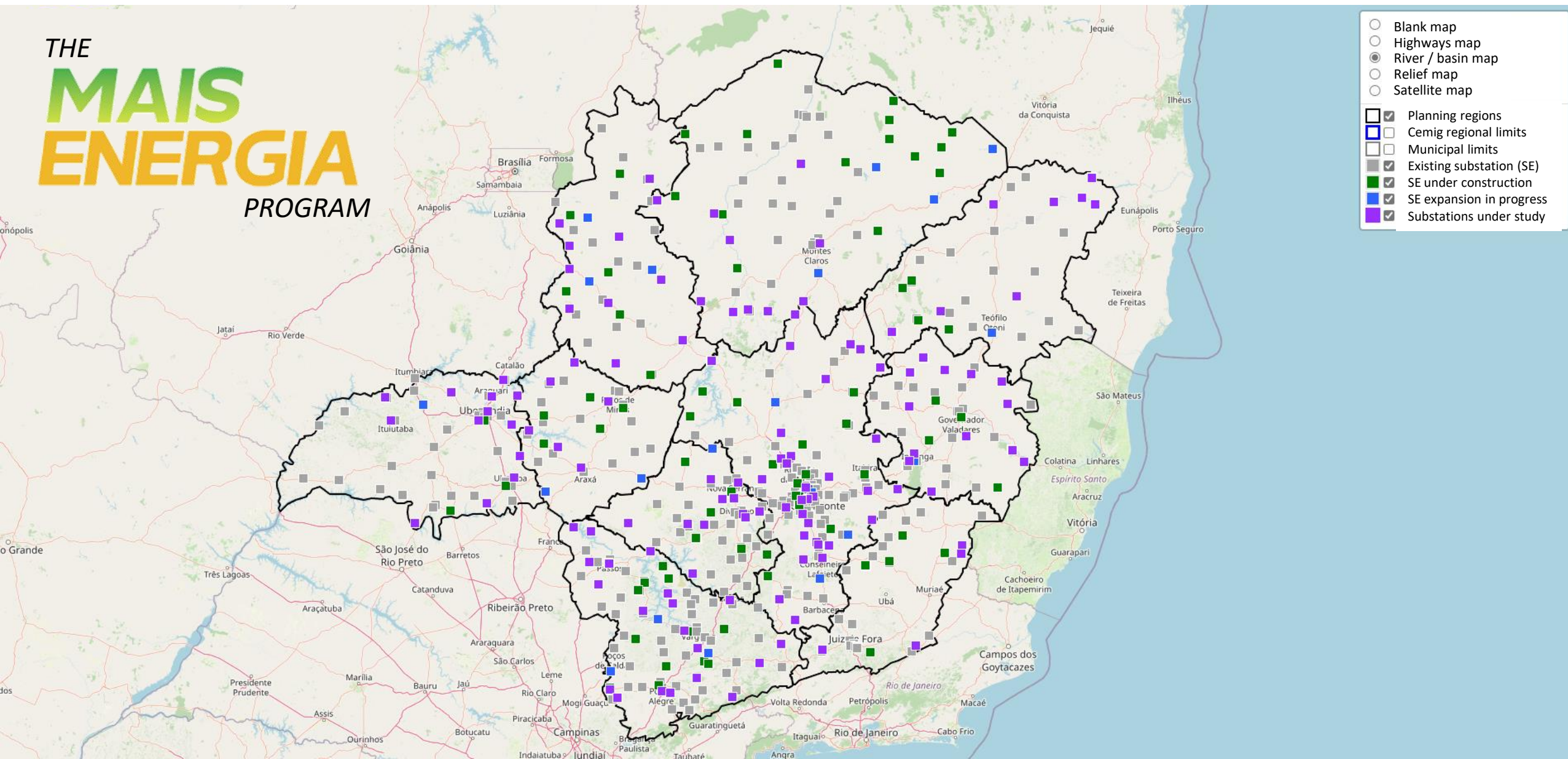


72 substations

For more info:



THE MAIS ENERGIA PROGRAM



MAIS ENERGIA ('MORE ENERGY') program

2021
DIESEL GENERATORS



Buritizeiro before *Mais Energia*

2022
NEW SUBSTATION



Buritizeiro after *Mais Energia*



MINAS 3-PHASE PROGRAM

Brings opportunities to the deep countryside, transforming subsistence farming into **agribusiness**



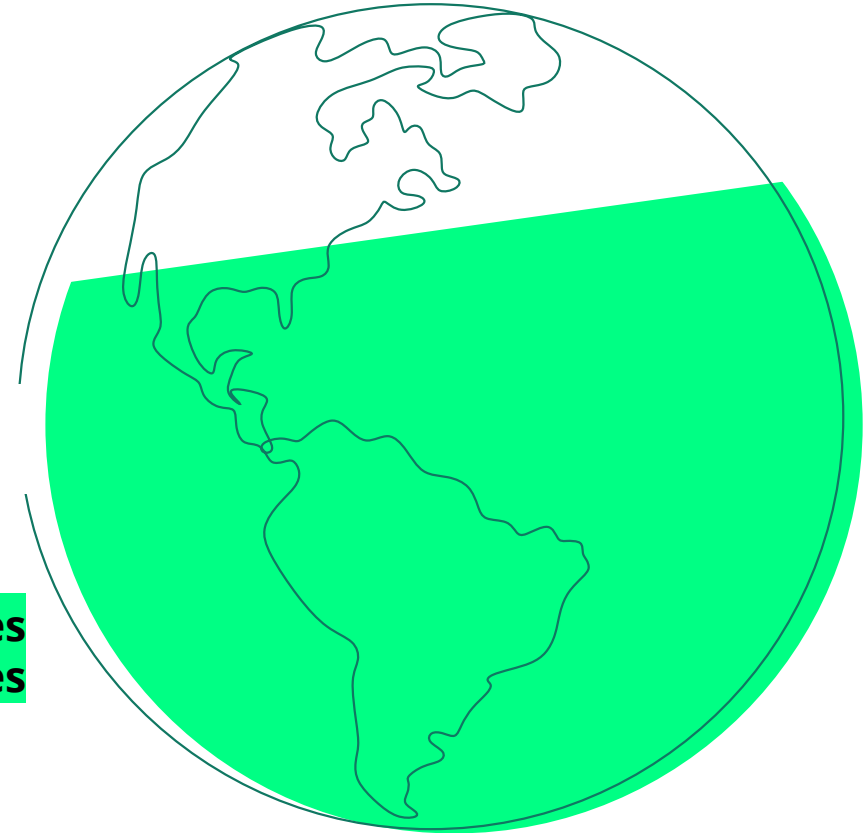
For more info

3-Phase
program:

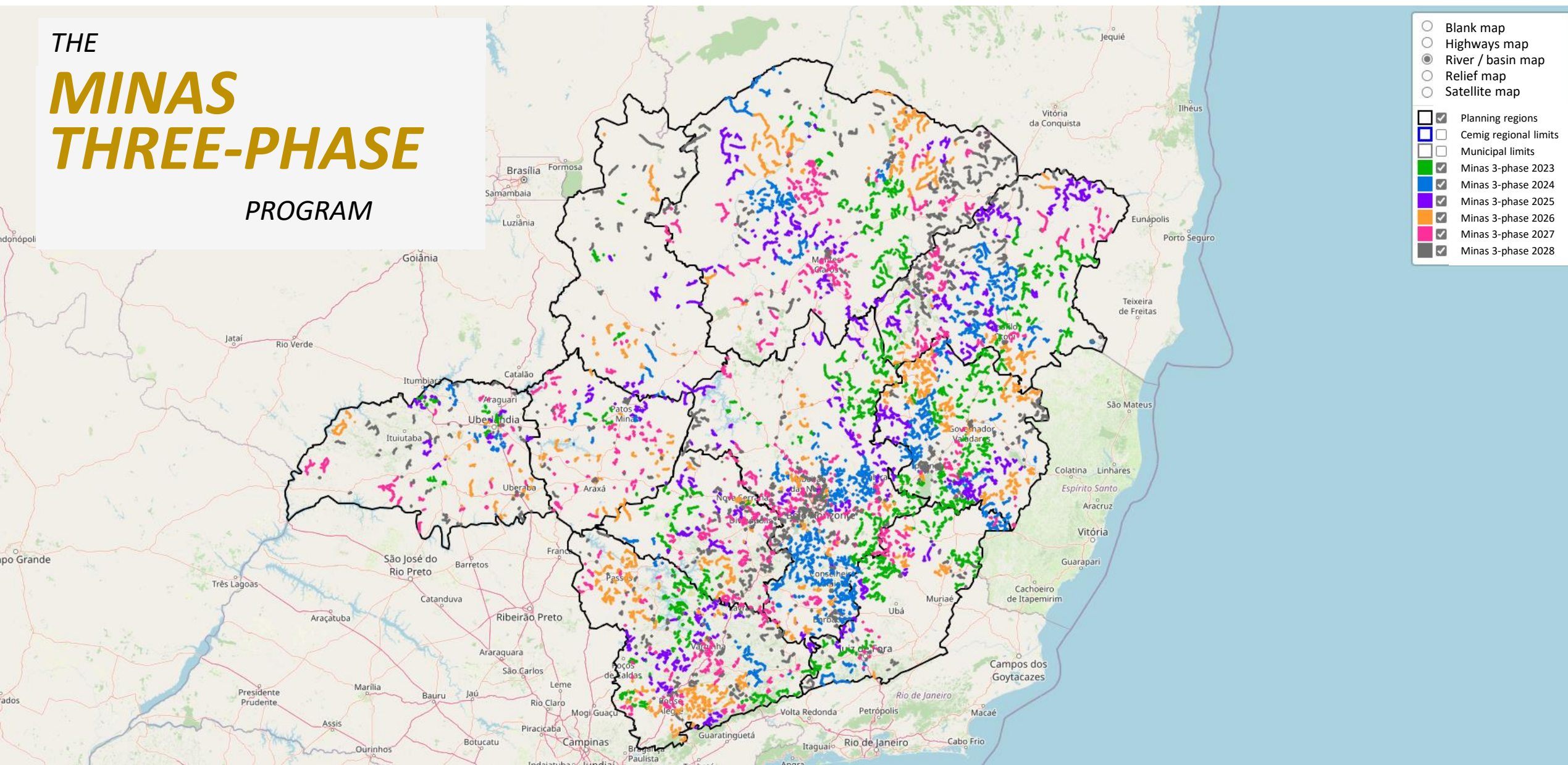
18,640
miles

by 2027

Minas Gerais highway network: **19,260 miles**
Circumference of the Earth : **25,000 miles**



THE MINAS THREE-PHASE PROGRAM



100% RENEWABLE GENERATION



Expansion of the portfolio by **1.9 GW** by 2032,
after **two decades** without investments in
expansion of generation



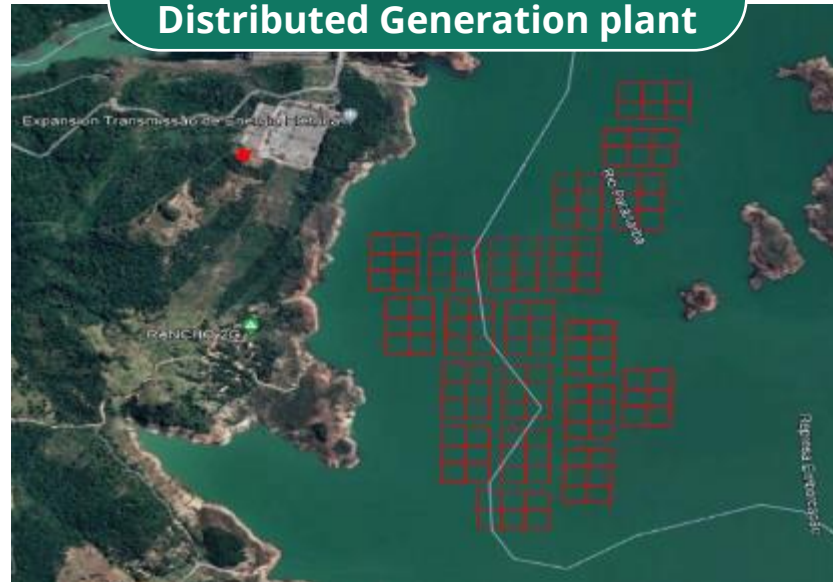
100% RENEWABLE GENERATION

Três Marias: Solar Distributed Generation plant: 78MWp



- Três Marias, Minas Gerais.
- Expected start of operation: 2026

Emborcação: 157MWp Solar Distributed Generation plant



- Araguari, Minas Gerais
- Expected start of operation: 2026

Cajuru: Solar Distributed Generation plant: 39MWp



- Carmo do Cajuru, Minas Gerais
- Expected start of operation: 2025

100% RENEWABLE GENERATION

Boa Esperança
(Eduardo Soares)



- Municipality: Montes Claros, Minas Gerais
- Planned operation date: Dec. 2023

Jusante



- Municipality: Três Marias, Minas Gerais.
- Planned operation date: Dec. 2023

TRANSMISSION: EXPANSION RESUMED

- **Transmission auction win**

- **- after 22 years**

165 km (102-mile) transmission line between
- Governador Valadares (East of Minas) and
- Verona (Espírito Santo)



ACTION FOR 2023 – 2027



POWERING GASMIG'S PRESENCE IN MINAS



- Serve **2 new meso-regions** of Minas Gerais
- Expand use of the existing **pipeline network**
- Add **86,000 new clients**
- **Build 1,331km** (815 miles) of network
- Study use of **Biomethane in distribution**

CENTER-WEST PROJECT

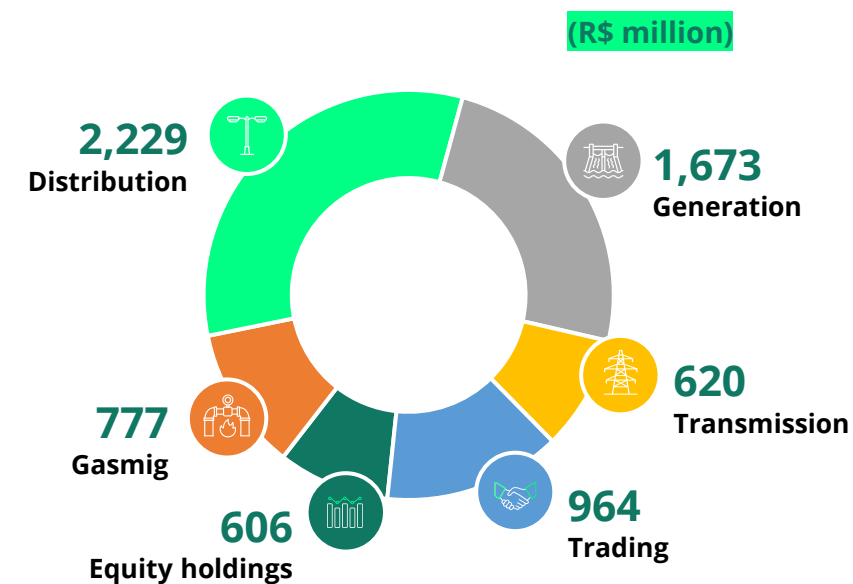
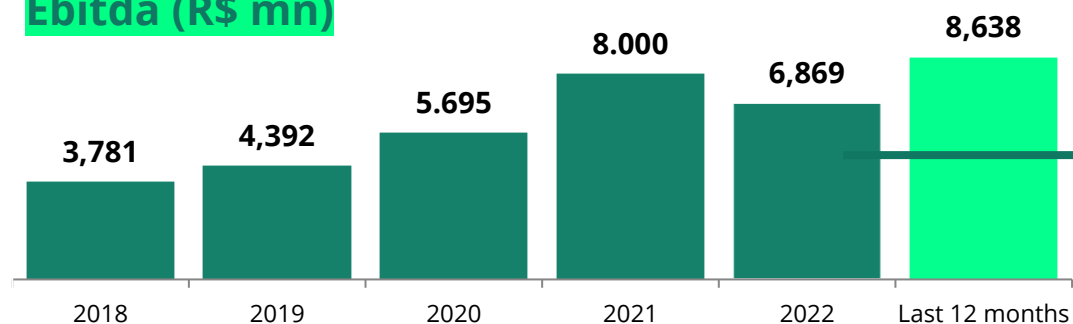
- **300km (186 miles)** of network to be built
- 24 months of works **from 2023**

EXTREMA PROJECT – POUSO ALEGRE

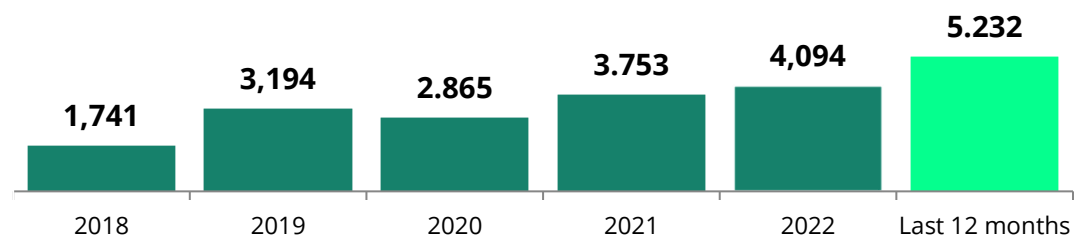
- Connection to **trunk pipelines**
- **81 miles** of network to be built
- **Works** as from 2025

EXCELLENCE IN FINANCIAL MANAGEMENT

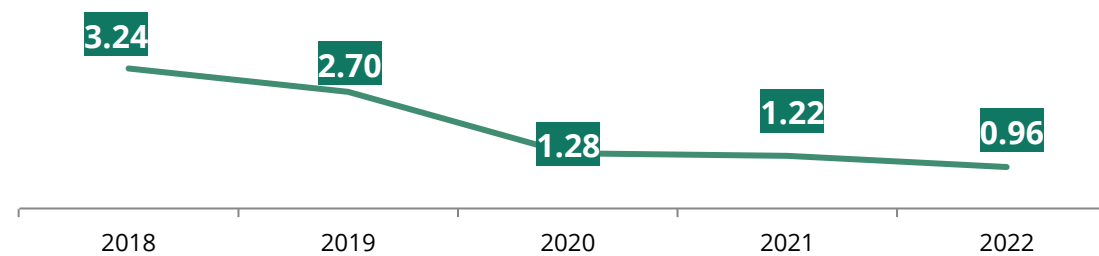
Ebitda (R\$ mn)



Net profit (R\$ mn)



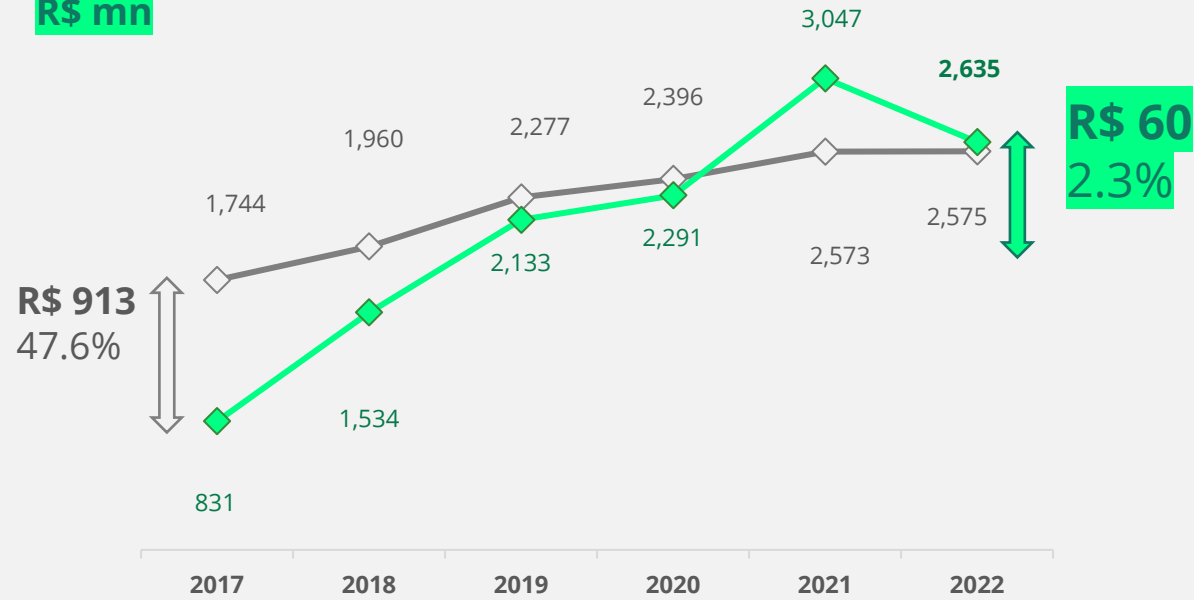
Net debt / Ebitda



MEETING REGULATORY TARGETS

OPEX

R\$ mn

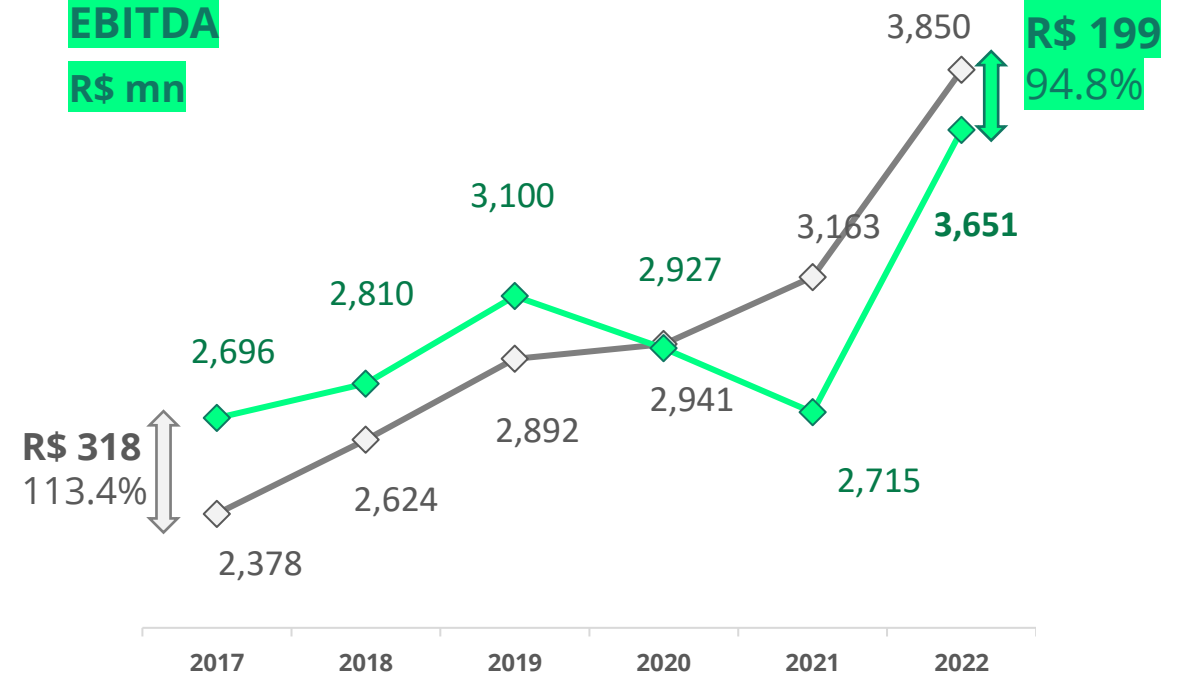


—◇— Regulatory —◆— Realized

Annual **Opex and Ebitda**
within regulatory
parameters

EBITDA

R\$ mn

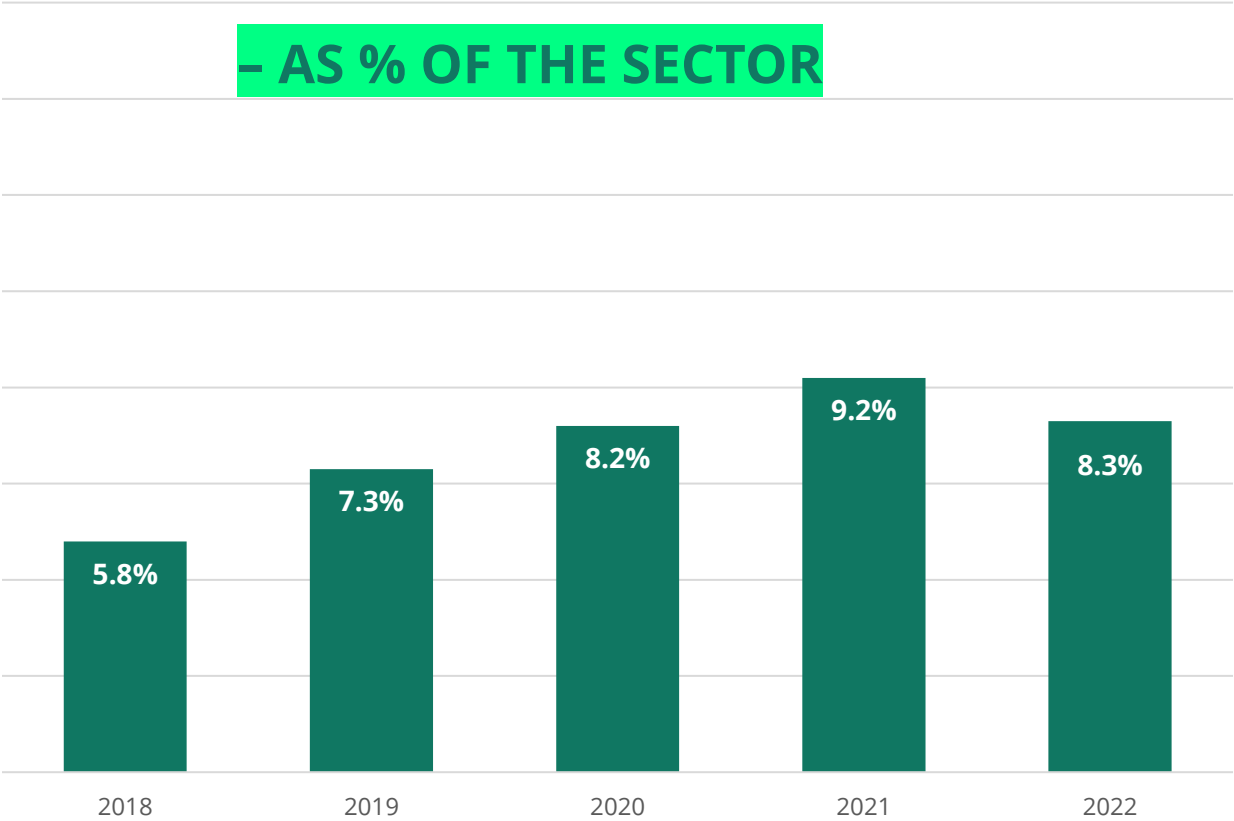


—◇— Regulatory —◆— Realized

CEMIG'S SHARE IN BRAZIL'S POWER SECTOR

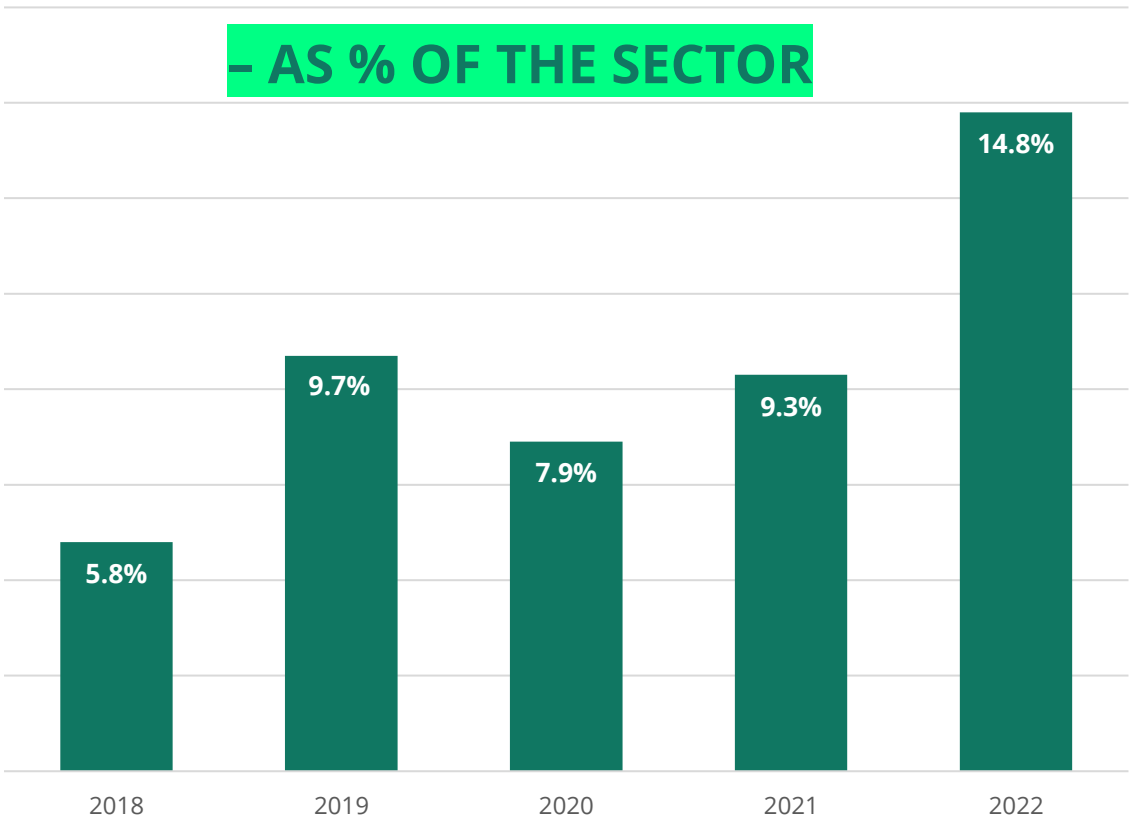
CEMIG'S EBITDA

– AS % OF THE SECTOR



CEMIG'S NET PROFIT

– AS % OF THE SECTOR

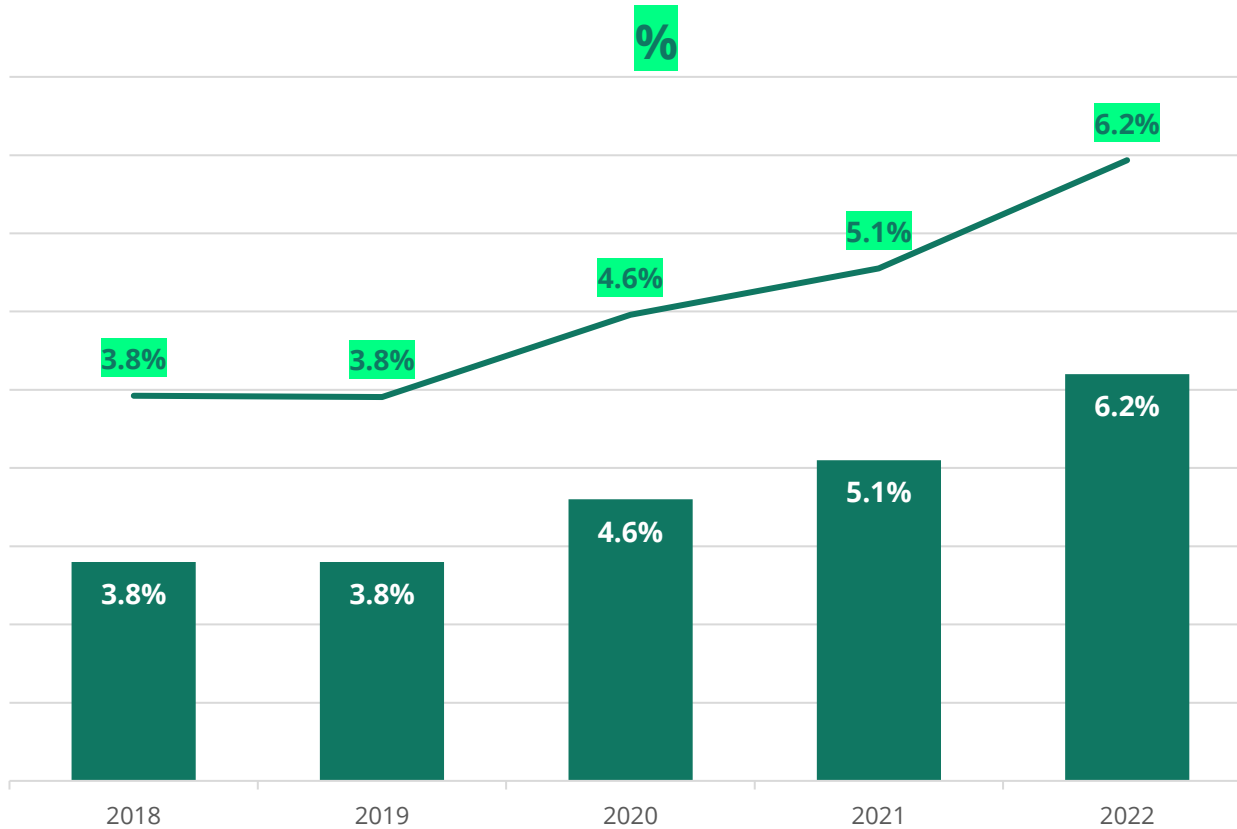


* 2021 Ebitda had positive effect of GSF renegotiation.

Source: *Econômica* data for 17 main companies in the sector.

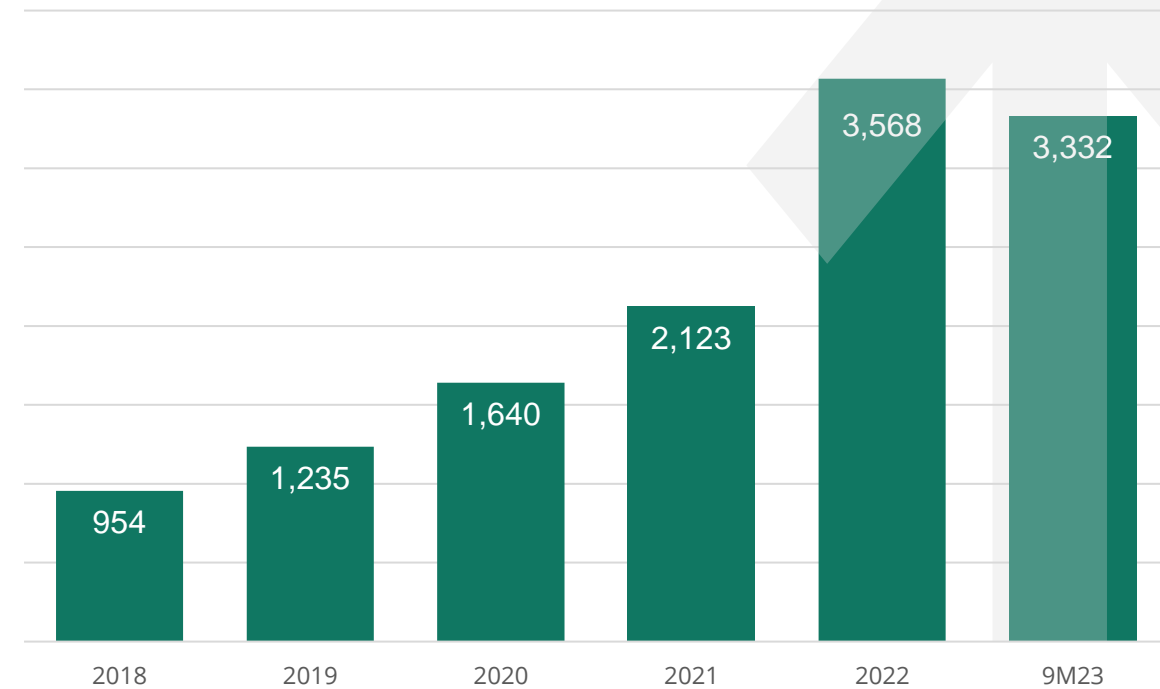
CEMIG'S SHARE IN BRAZIL'S POWER SECTOR

CEMIG'S INVESTMENT vs. THE SECTOR

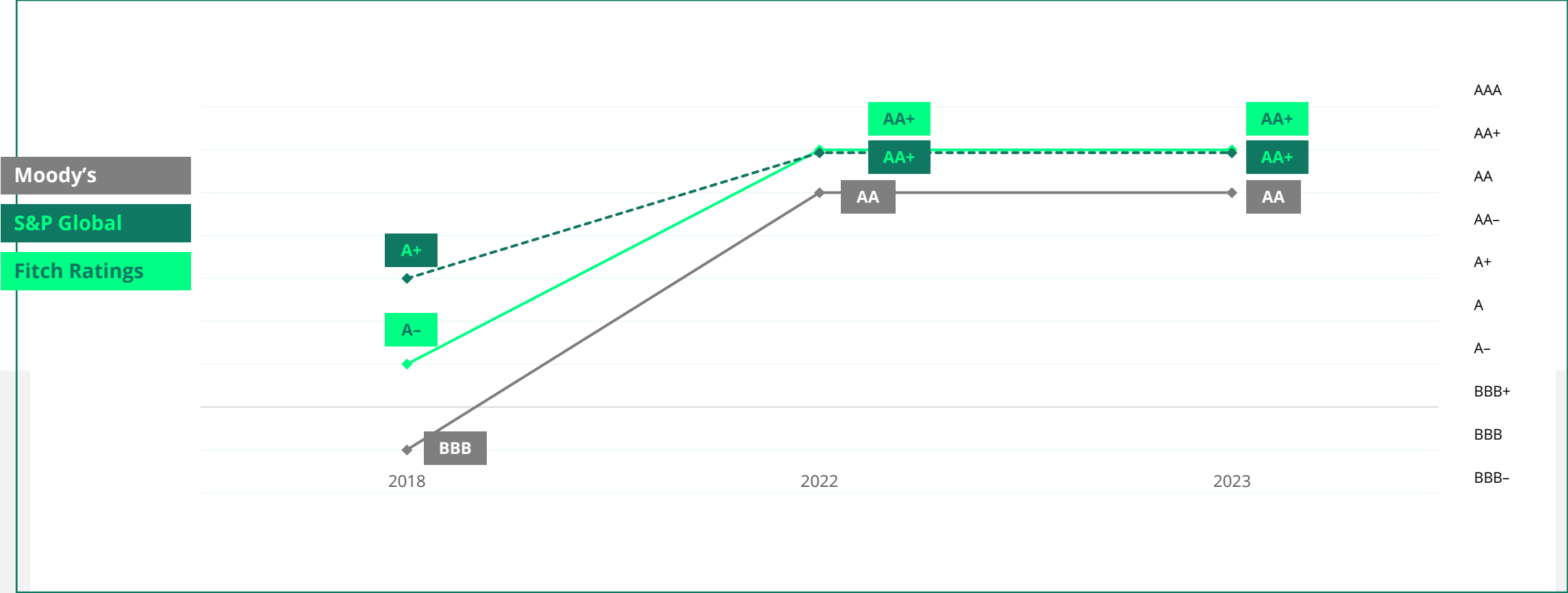


CEMIG'S INVESTMENT

R\$ MN



CEMIG'S INVESTMENT RATINGS





SUSTAINABILITY AND SOCIAL RESPONSIBILITY

BENCHMARK IN ESG

- Company's strategy and actions aligned with **best practices**
- Committed to achieving **NET ZERO** by 2040
- **Independent Board of Directors** (DJSI)

ENERGY **100%**
CLEAN AND RENEWABLE



24 years in the index – **the only power company in the Americas included**

ISEB3

Included in this index since it was created

Sustainability Yearbook
Member 2022

S&P Global

Ranked 15th of the 220 companies in the sector evaluated



Best Brazilian company



Rating A
Highest rated in the Brazilian electricity sector



FTSE4Good

Score 30% above power sector average

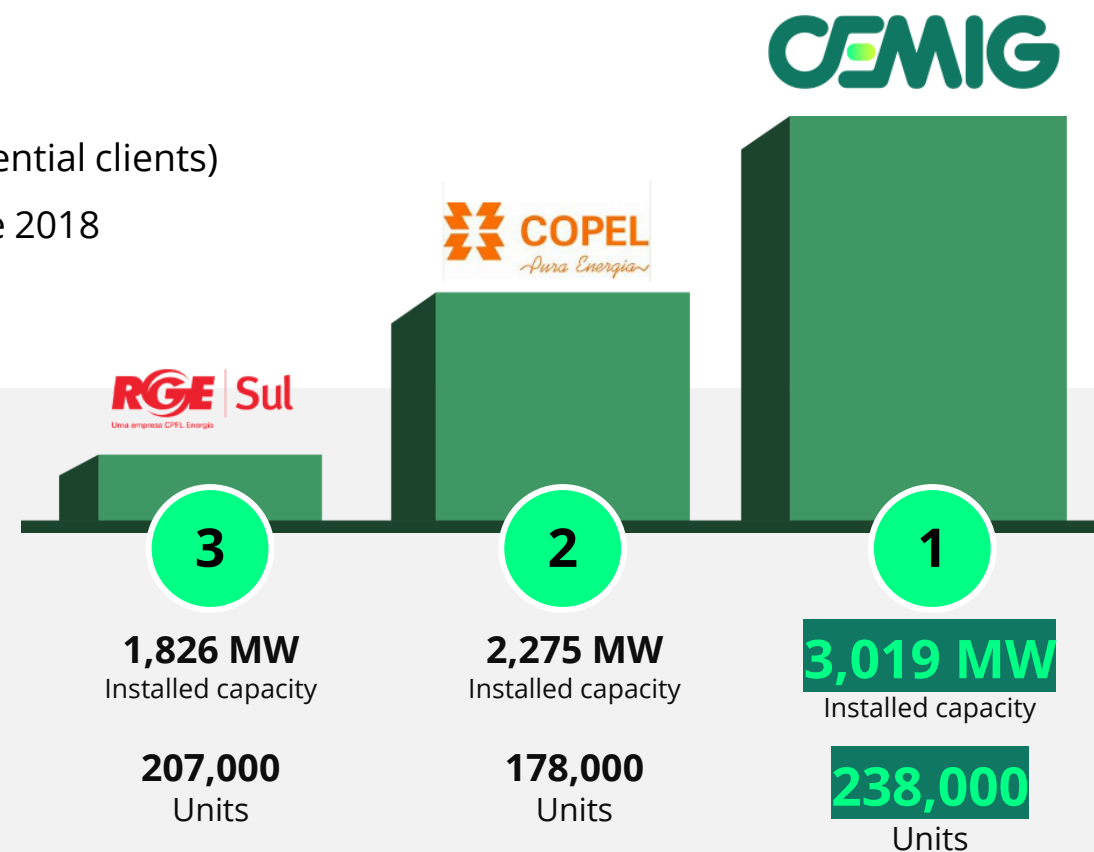


Top score in eco-efficiency

SOLAR DISTRIBUTED GENERATION:

- Cemig has connected **around 238,000 distributed generation units**
- Record **7 GW connected and approved** (1.5x demand of Cemig residential clients)
- Cemig has invested more than **R\$ 2.4 billion in DG connections** since 2018
- **Connections/year grew 190%** from 2009 to 2022

ACCELERATING GROWTH



THE MINAS LED PROJECT

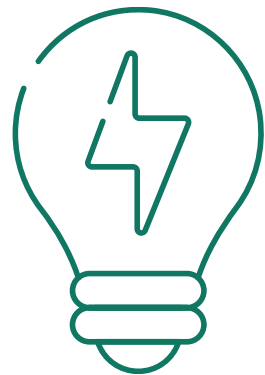


From 2009 to 2019, no
municipality received support for
LED street lighting

2009

2018

2023



491

**municipalities
benefiting
today**

ENERGY EFFICIENCY

INFRASTRUCTURE IMPROVEMENT PROGRAM THAT ALLOWS LOWER ENERGY CONSUMPTION

BENEFICIARIES:

355
hospitals

165,000
families in low-
income communities

3,400
schools run by MG State

18,000
rural families

SOCIAL RESPONSIBILITY

1.3 million families benefited by the Social Tariff, with discounts of up to 65%

240,000 families to benefit from program to regularize power supply in low-income communities – focus on safety, citizenship, sustainability

100,000 beneficiaries of programs supporting sport, infancy, adolescents and protecting the elderly



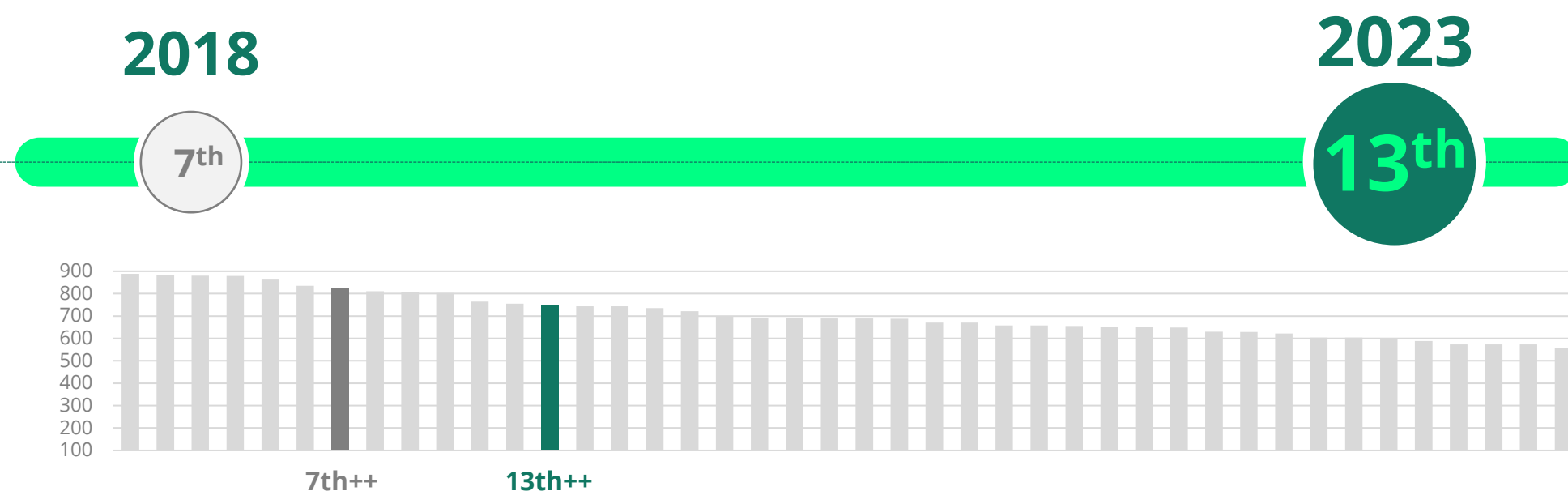
Largest incentivator of culture in Minas Gerais

- Liberty Square in Belo Horizonte: Cemig Pinacotheca and Cemig Cultural Heritage Center
- Cemig Grand Theatre – Palace of the Arts
- Humberto Mauro Cinema
- Minas Gerais Philharmonic Orchestra
- Minas Gerais Symphony Orchestra
- *Grupo Corpo*
- *Galpão*
- *A Última Sessão de Música*



ENERGY TARIFF vs. MAIN DISTRIBUTORS

RANKING OF CAPTIVE CUSTOMER'S TARIFF (R\$/MWH)



CEMIG'S TARIFF DROPPED 6 PLACES SINCE 2018
(LOWER POSITION IN THE RANKING = LOWER TARIFF CHARGED)



DECARBONIZATION AND OTHER JOURNEYS

MAJOR TRENDS

DIGITALIZATION

- Large-scale data
- Artificial intelligence
- Cybersecurity, with highly connected system
- Robotization

ELECTRIFICATION

- Decarbonization
- Most-demanded infrastructure
- New transport model
- New generation technologies

IMPORTANCE OF THE GRID

- Integration of renewables
- Decentralization
- Stabilization of supply and demand
- Smart Grid

BUSINESS MODEL

- Opening of the market
- Customized energy contracts
- Constant improvement of the legal framework
- Price must give appropriate signals

THE TRANSITION TO THE LOW CARBON ECONOMY

- Investments in infrastructure for decarbonization and electrification
- Focus on availability, reliability and efficiency in the power grid
- Development of renewable energy projects (e.g. wind, solar)
- Smart grid technology to improve efficiency and reliability of the grid.
- Partnerships with universities and startups for new energy solutions
- Investment in R&D for progress in renewable energy / energy efficiency
- Investments in rural regions, clean energy, reforestation, and decarbonization – strengthening Brazil's potential in **food, climate and energy security**



TECHNOLOGY FOR CLEAN ENERGY

ARTIFICIAL INTELLIGENCE

- 'Copilots' for operation and dispatch
- Trading with use of algorithms
- Personal security monitoring
- Language model for interaction with clients
- Training with virtual reality glasses

AGRIVOLTAIC GENERATION

- Solar panel energy integrated with land use
- Agricultural production
- Less water consumption

SMART GRID

- 1.5 million smart meters
- More than 200 new 100%-digitalized substations

FLOATING GENERATION

- Floating solar plants at commercial scale – 3 large sustainable projects

BATTERIES AND STORAGE

- Small-scale batteries
- Flow batteries



GREEN INNOVATION

- Green hydrogen: Partnership with Itajubá University; production of hydrolyzers
- Green transformers – using vegetable oil
- Brazil's first distributor using Green Cable
- **Every 10km of cable cuts CO₂ emission by 1.8 ton**

TO TRANSFORM LIVES WITH OUR ENERGY

- Minas Gerais is Brazil's fastest-growing state Brazil.
 - Its % of Brazilian GDP rose from **8.7%** in 2013 to **9.3%** in 2022.
- Institutional stability for a favorable business environment
- Minas has abundant renewable natural resources, including water, sun and wind.
- It has the country's largest volume of hydroelectric power and solar generation.
- Cemig prepares for leadership in the energy transition, with 100% renewable energy to support new uses of electricity, such as green hydrogen, energy storage and green minerals.
- Cemig works to improve Brazil's energy, climate and food security
- **Count on Cemig: Energy that transforms lives!**



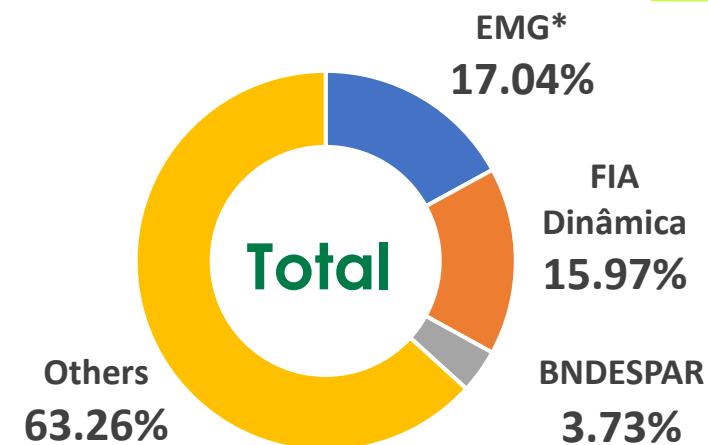
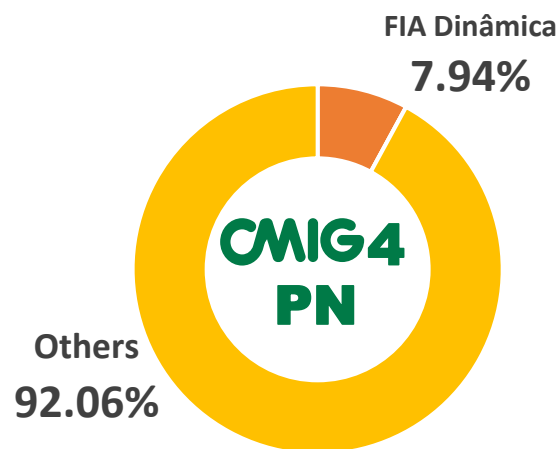
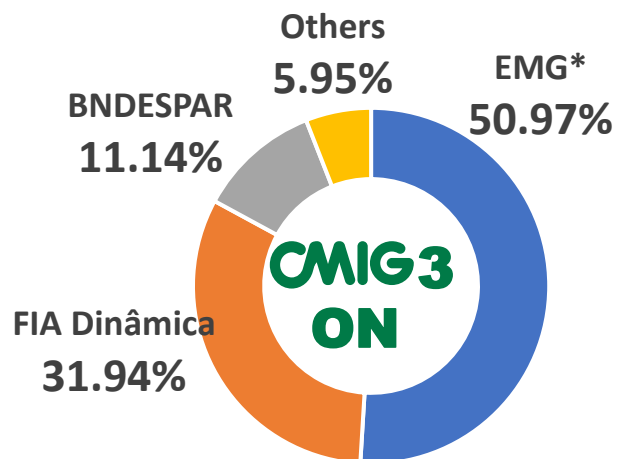
THANK YOU!

CEMIG

CEMIG AT A GLANCE

Shareholder structure - Based in State of Minas Gerais

January
2023



* Minas Gerais State



Among the most liquid stocks in Brazil's electricity sector

- Listed on New York, São Paulo and Madrid
- More than **330,000 shareholders** in 36 countries
- Average daily trading volume in 2023
R\$139.0 mn in B3 and **US\$9.0mn** (R\$44.5 mn) in NYSE



Solid dividend policy

- Payout - 50%**
- The minimum annual dividend guaranteed to the preferred shares – R\$0,50/share



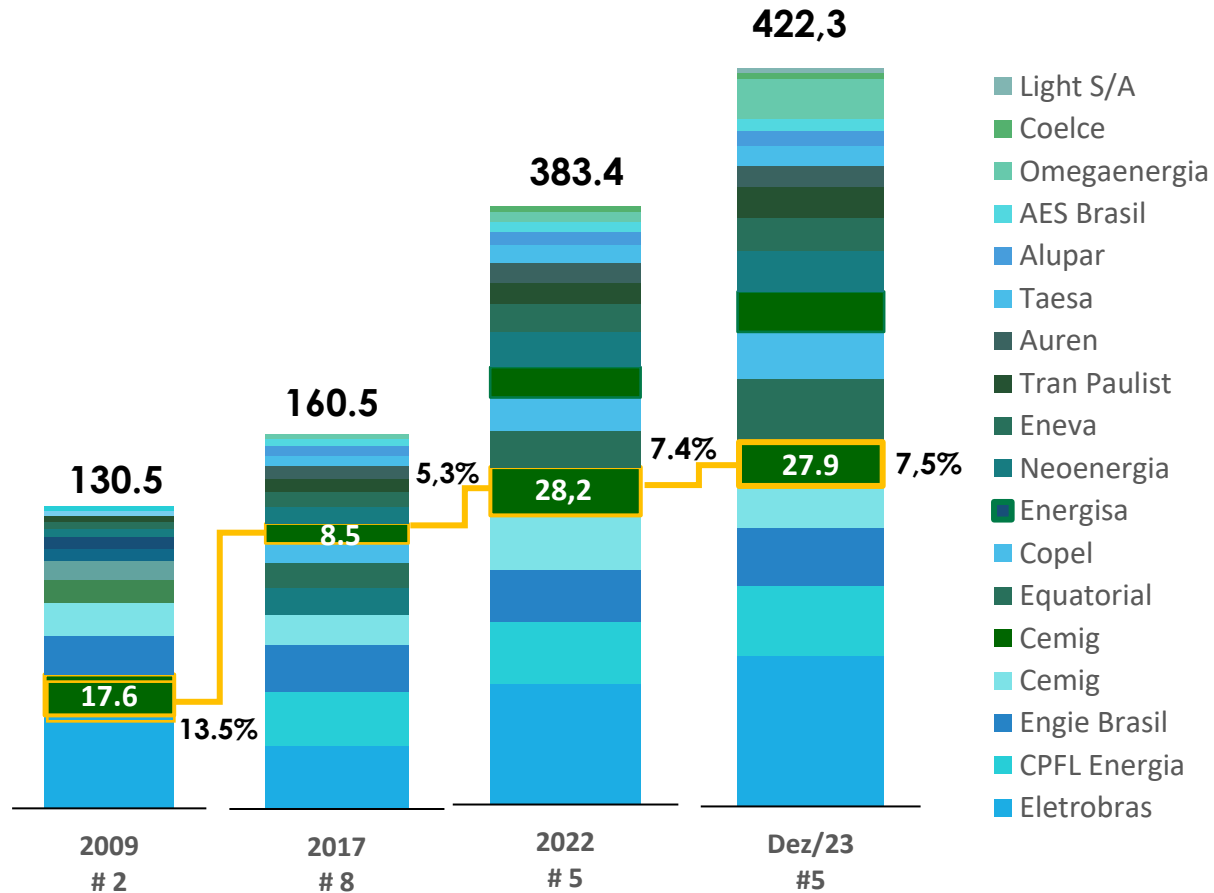
Best-in-Class Corporate Governance

- Board of Directors - eleven members
 - ✓ Ten members have the characteristics of an Independent Board Member, by the criteria adopted by the Dow Jones Sustainability Indexes (DJSI) / nine by IBGC
- Present for 24 years in the Dow Jones Sustainability Index (the only company in the sector in Latin America) and main indexes (ISEE, ICO2, IGCX, among others)

CEMIG - RECOVERY OF REPRESENTATIVENESS IN THE SECTOR

Market Cap

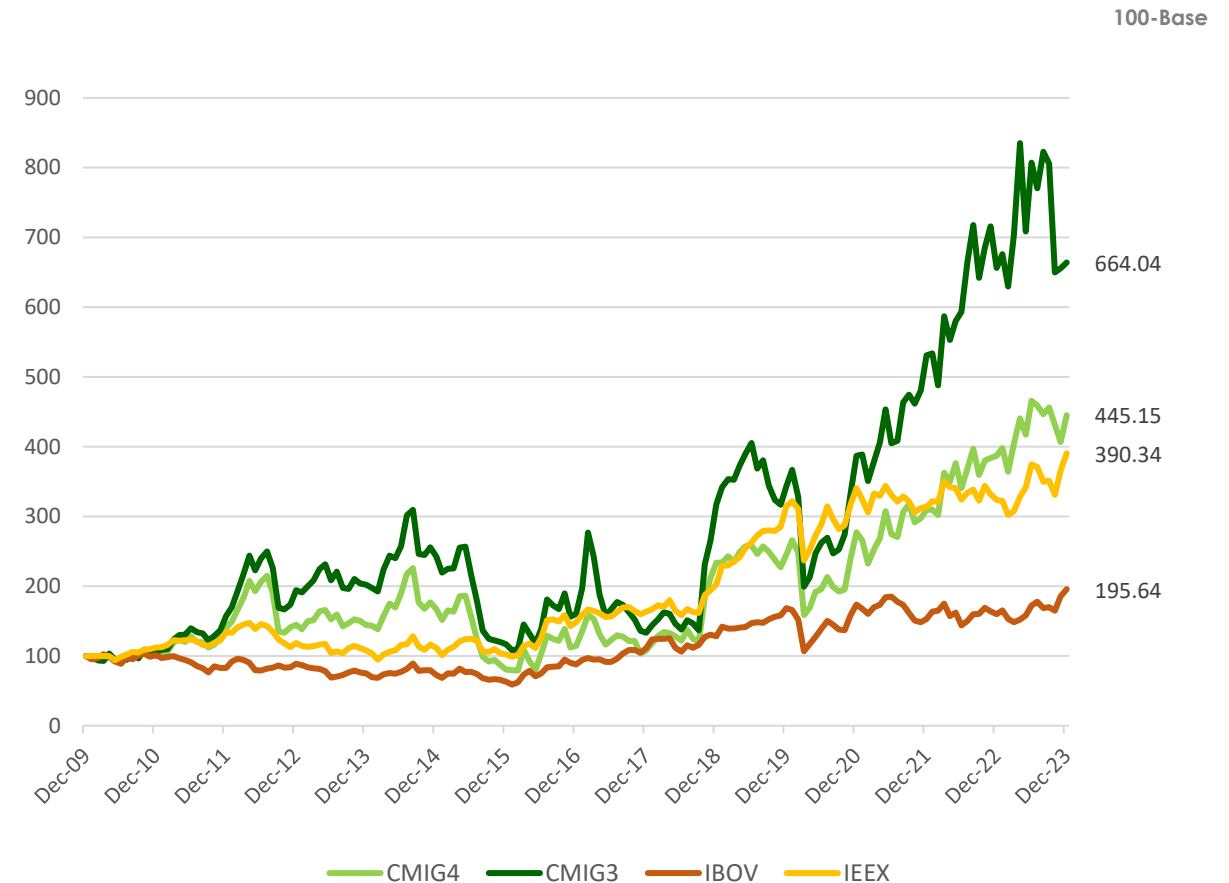
Electric sector (R\$ bn)



Cemig position in the ranking

42

Stock Evolution



Source : Economática 11/13/2023



SOLID DIVIDEND POLICY

Shareholder remuneration is **among the highest** in the industry.

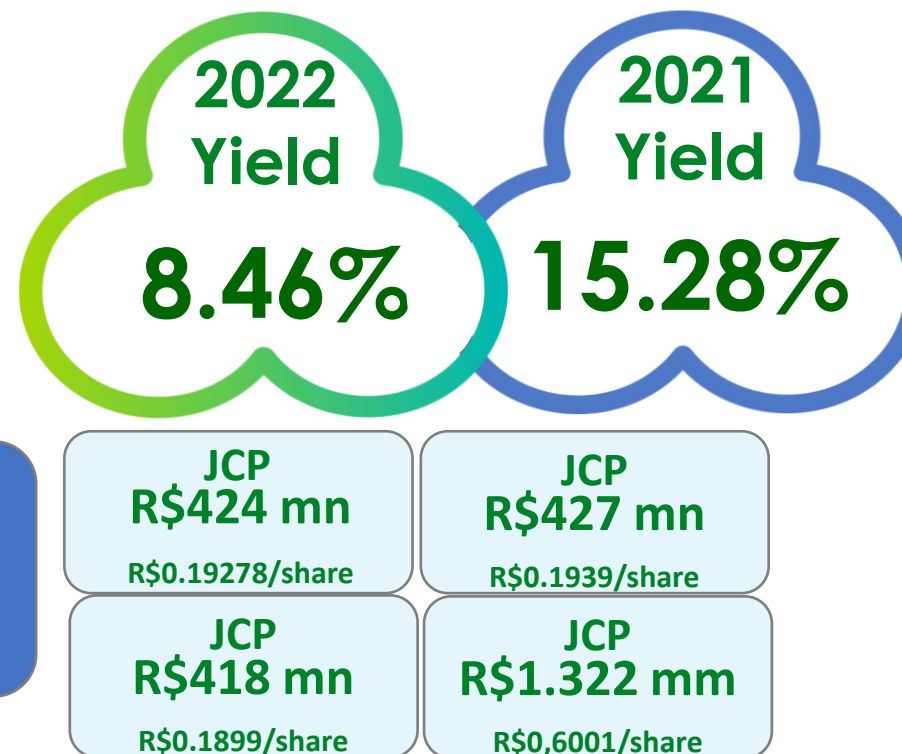
Our dividend policy, **payout de 50%**, provides adequate remuneration to our shareholders and allows us to execute our **Investment Plan**

Shareholder remuneration **in 2022**

Total Earnings
R\$2,233 million

Shareholder remuneration
To be paid with the mandatory minimum
dividend for 2023

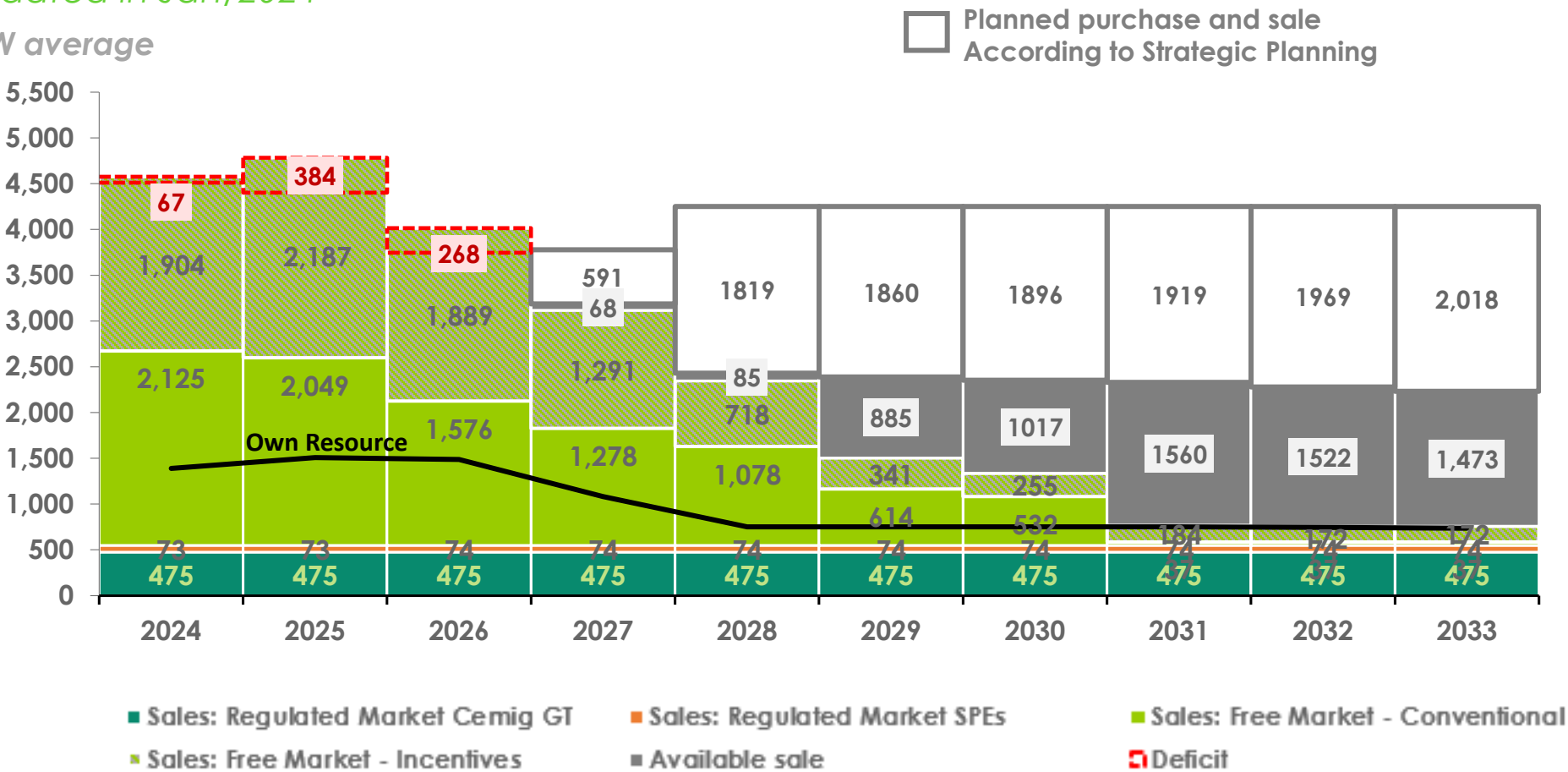
Total JCP
R\$2.6 billion



CEMIG GROUP: SUPPLY AND DEMAND

Updated in Jan/2024

MW average



Regulated market Sales price

Power plant	End Concession	R\$/MWh
Queimado	Jul/34	323.08
Irapé	Sep/37	323.08
Poço Fundo	May/52	250.03

Prices - jul/23

RAG* Lote D - R\$580 mm

Value for cycle 2023/2024.
The main plants are entitled to RAG until January 2046

*Annual generation revenue

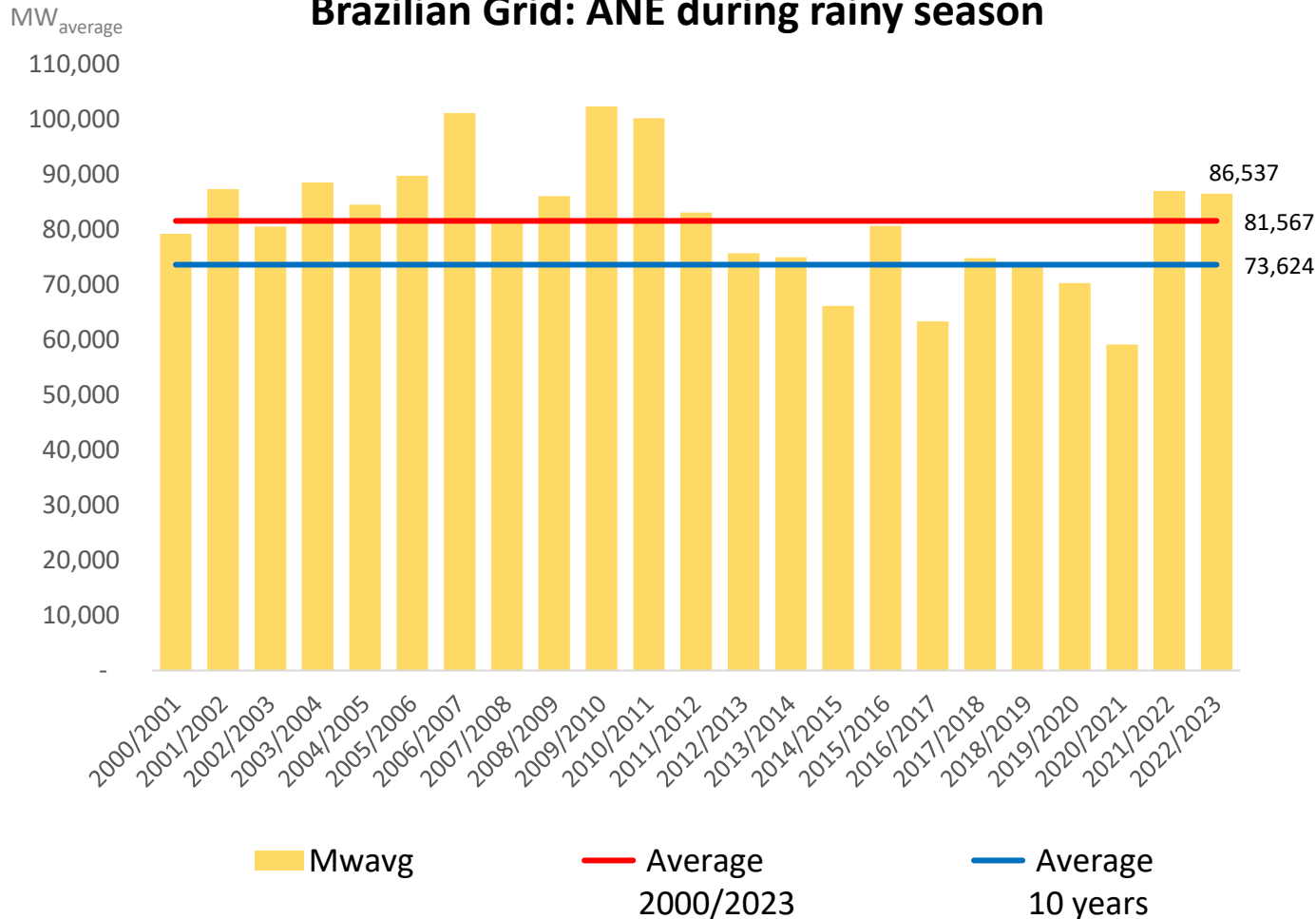
Cemig group - Considers the total availability of the Cemig group's generation companies (Cemig GT, Sá Carvalho, Horizontes, Cemig PCH, Rosal, Cemig Geração Três Marias, Cemig Geração Salto Grande, Cemig Geração Itutinga, Cemig Geração Camargos, Cemig Geração Leste, Cemig Geração Oeste, Cemig Geração Sul), plus purchases from outside sources.

Note: 2024: balance with the effect of the GSF forecast for the year of 0.88. From 2025: structural energy balance

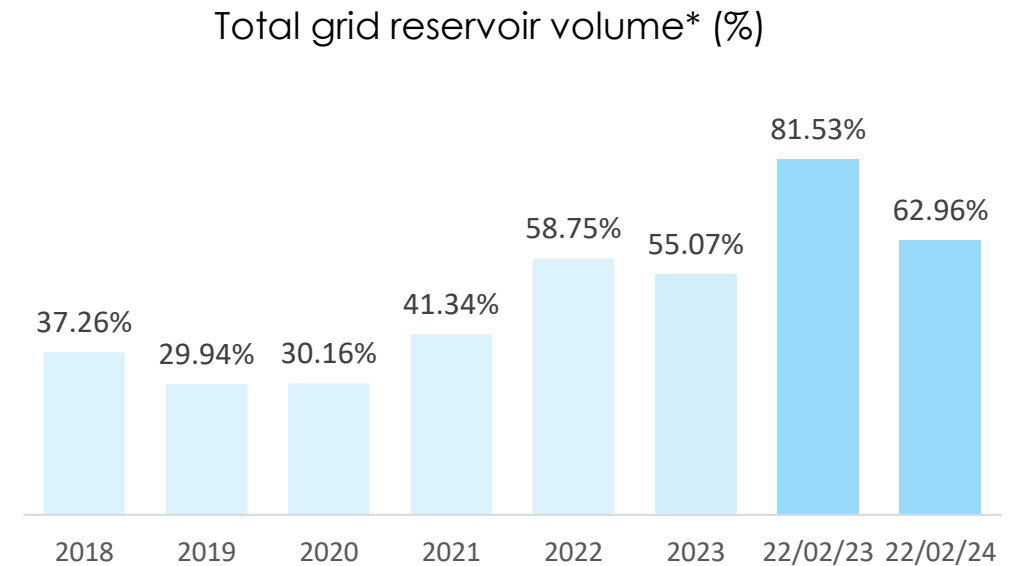
AFFLUENT NATURAL ENERGY (ANE)

Scale of the total Affluent Natural Energy in reservoirs of Brazil's National Grid

Brazilian Grid: ANE during rainy season



Useful volume stored in reservoirs



Source: [Brazilian National Grid](#)

* Sum of usable volumes of all reservoirs, and all generation plants with reservoirs, in the National Grid.

TARIFF REVIEW AND READJUSTMENT

Aneel approved tariff review in the Technical Note 12/2023 STR/ANEEL

Regulatory asset base (RAB)	2013	2018	2023
Remuneration Base – gross R\$	15,724	20,490	25,587
Remuneration Base – net R\$	5,849	8,906	15,200
Average depreciation rate	3.84 %	3.84%	3.95%
WACC	7.51%	8.09%	7.43%
Remuneration of the special obligations	-	149	272
CAIMI R\$	147	333	484
QRR R\$ - Depreciation (Gross RAB x Dep rate)	590	787	1,007
Remuneration of capital R\$ (Net RAB x WACC)	587	1,236	1,976

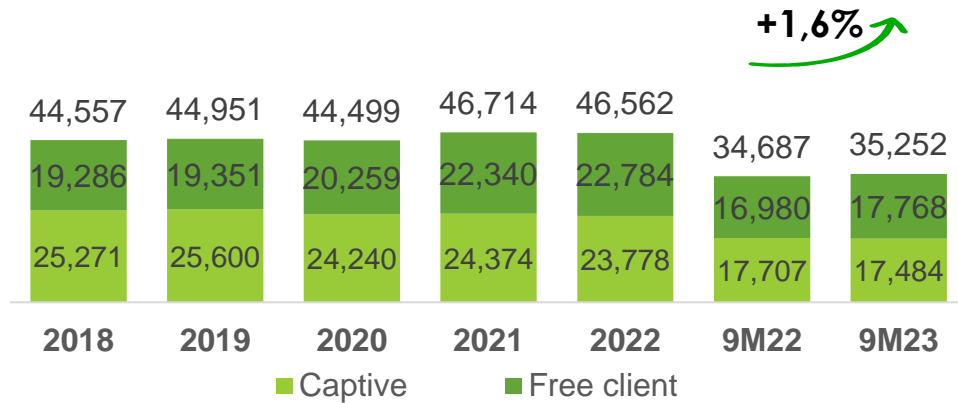
“

*The **tariff reviews occur every 5 years**, and the next one will take place in **May 2028***

”

CEMIG D'S MARKET AND DISTRIBUTED GENERATION

Cemig D - market



Connection of future loads of **2,681 MW** in progress

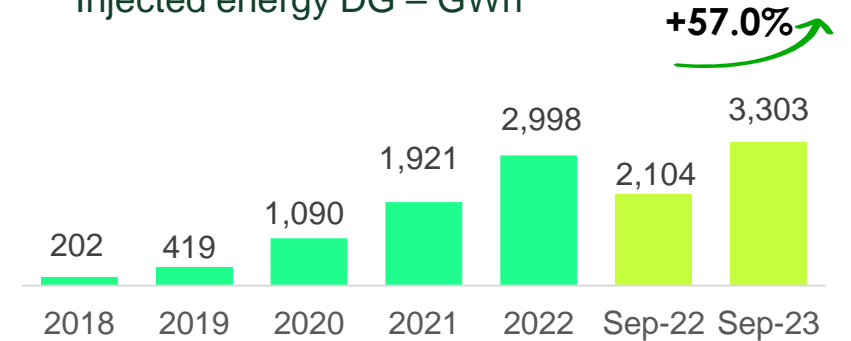
Cemig inaugurated **12 substations**; 15 more to be finalized in 2023

Carmo do Rio Claro 2 substation started operation - **R\$53** million investment, providing energy availability and quality to 61,000 people in Southeastern Minas Gerais

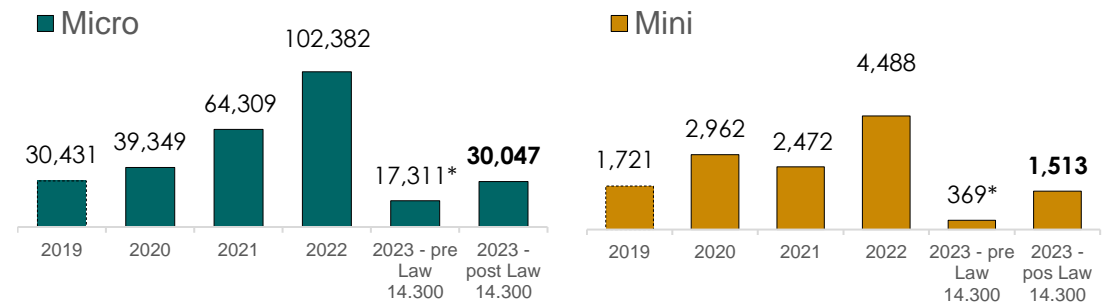
Distributed Generation market



Injected energy DG – GWh



Distributed Generation market



*Pre-negotiated contracts until January 7, 2023

DEBT PROFILE – CONSOLIDATED

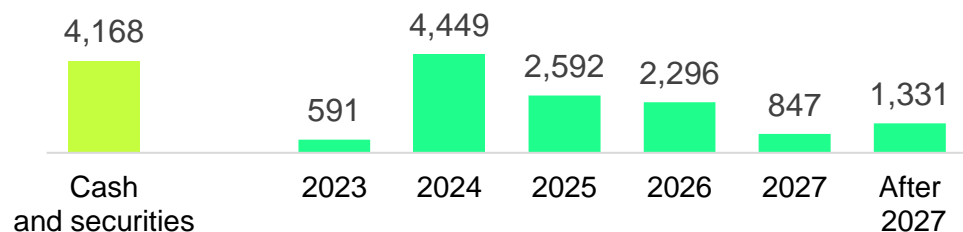
Debt and leverage remain low – ensuring financial sustainability to execute our investment program

Maturities timetable

Average tenor: **2.6 years**

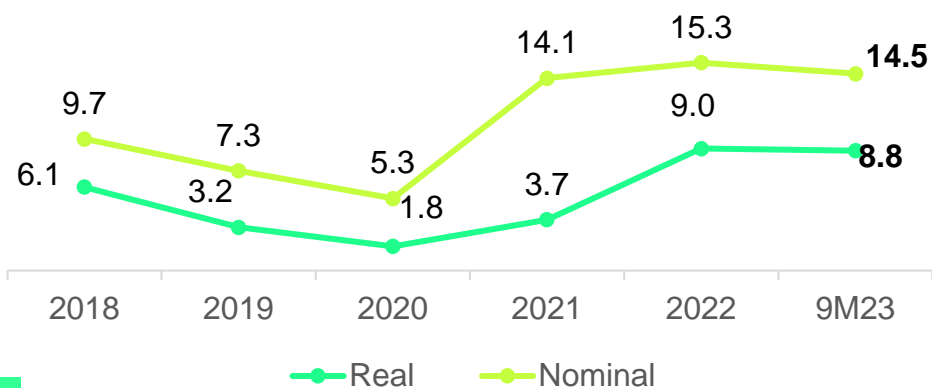
Net debt (Debt – Cash and securities): **R\$7.9 billion**

Total net debt (Net debt – Hedge): **R\$7.6 billion**



Debt in USD protected by hedge instrument, within an FX variation range – converted to % of Brazilian CDI rate.

Cost of debt %



Ratings

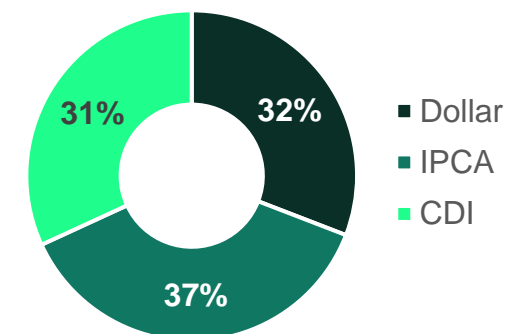
2023

FitchRatings > **AA+**

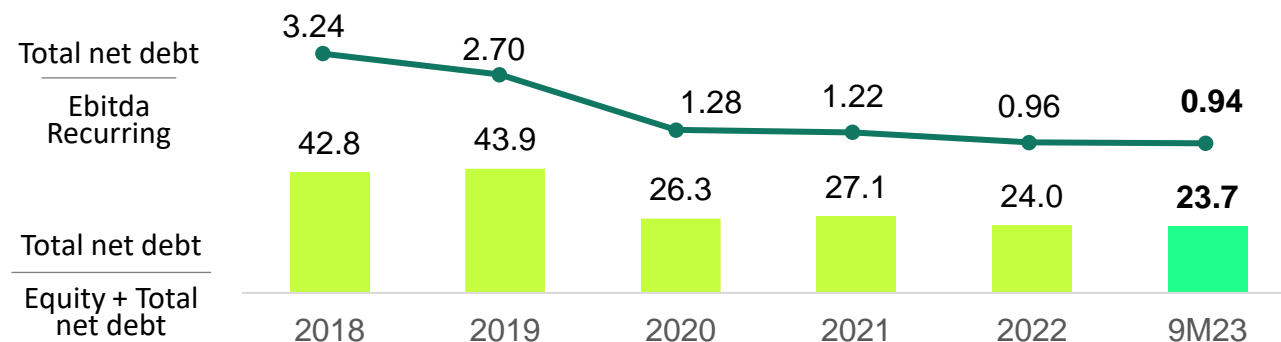
S&P Global Ratings > **AA+**

Moody's > **AA**

Breakdown by type

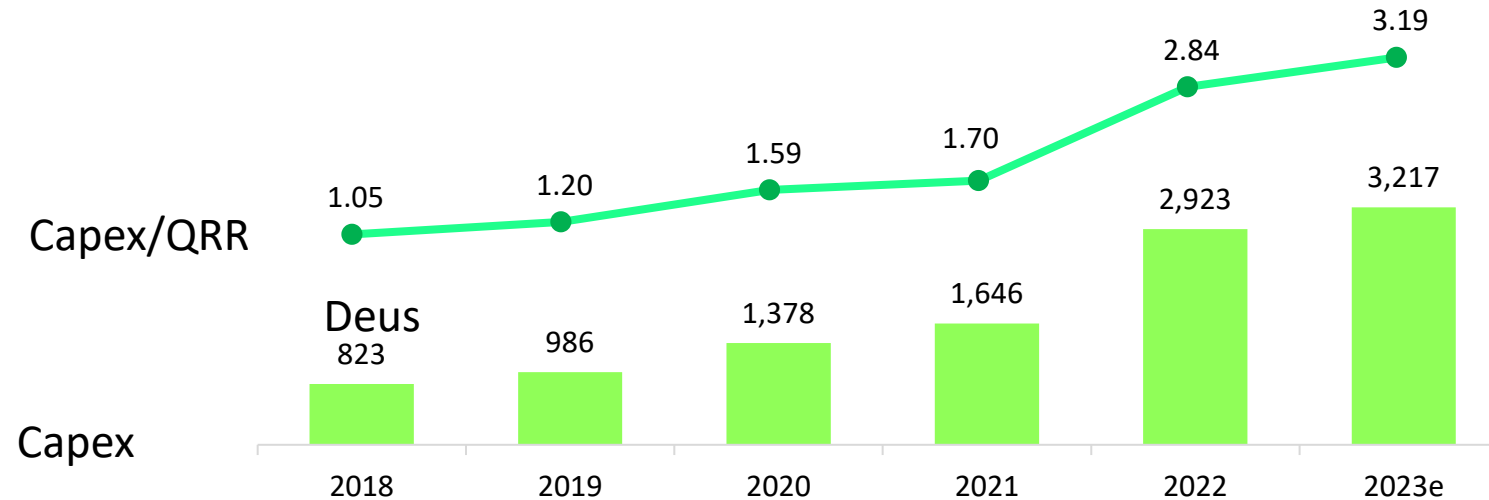


Leverage %



CAPEX CEMIG D - EVOLUTION

Investments with a **Focus on Minas Gerais**, Cemig starts investing 3X the regulatory depreciation



Prudent investments, recognized by the regulatory body, increase Net Remuneration Base

REMUNERATION BASE – NET R\$

2018	2019*	2020*	2021*	2022*	2023
8.906	9.302	9.834	10.966	11.656	15.200

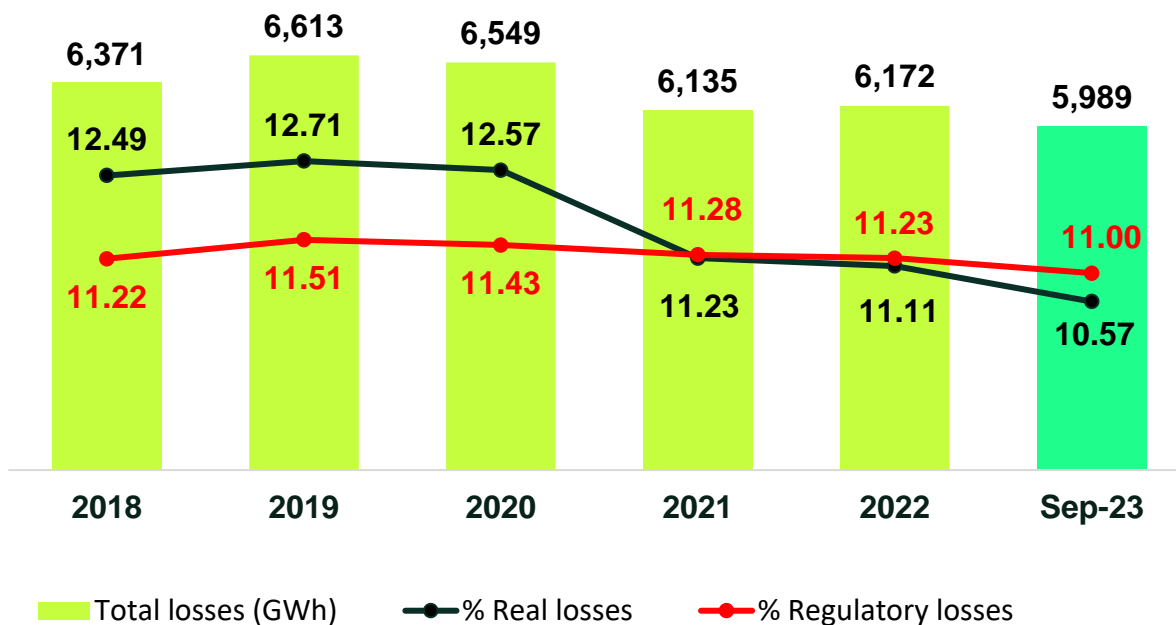
Values adjusted by IPCA

ENERGY LOSSES - CEMIG D

ENERGY LOSSES WITHIN REGULATORY LIMIT

TOTAL LOSSES

12-month mobile window



Robust investments and actions of our Energy Recovery Plan have enabled losses to be kept below regulatory limits

COMPLETED INITIATIVES

9M23



288,000 inspections made - **76%** of total planned for 2023



551,000 obsolete meters replaced, **91%** of 2023 target



Conventional meters being continuously replaced by smart meters –**52,000** by September 2023



Energia Legal Program: regularization for **8,000** families in low-income communities