

CPFL Energia 112 years

The future has the
energy of our history

Corporate Structure

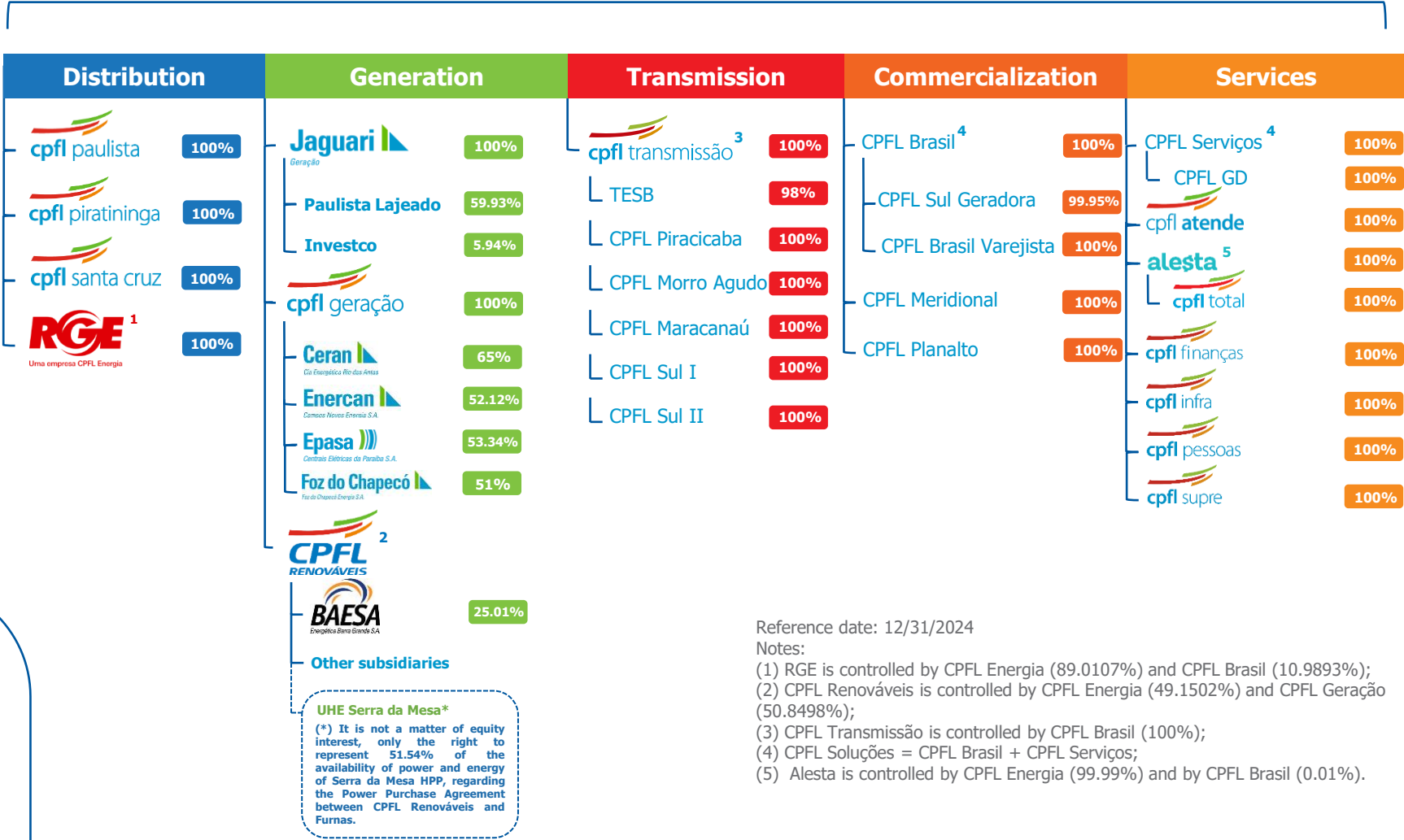


83.71%



Free Float

16.29%



Reference date: 12/31/2024

Notes:

(1) RGE is controlled by CPFL Energia (89.0107%) and CPFL Brasil (10.9893%);

(2) CPFL Renováveis is controlled by CPFL Energia (49.1502%) and CPFL Geração (50.8498%);

(3) CPFL Transmissão is controlled by CPFL Brasil (100%);

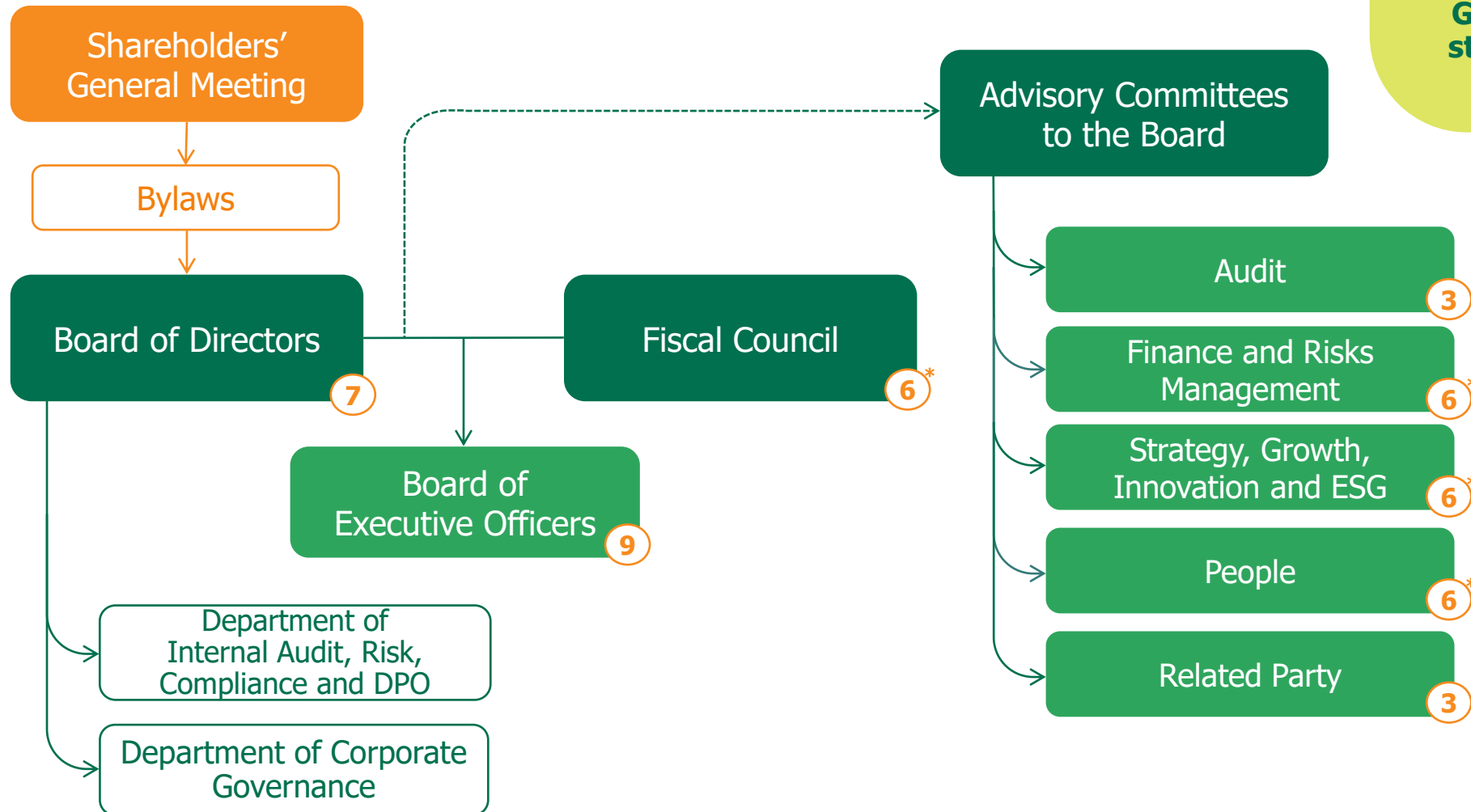
(4) CPFL Soluções = CPFL Brasil + CPFL Serviços;

(5) Alesta is controlled by CPFL Energia (99.99%) and by CPFL Brasil (0.01%).

We have high-standard Corporate Governance

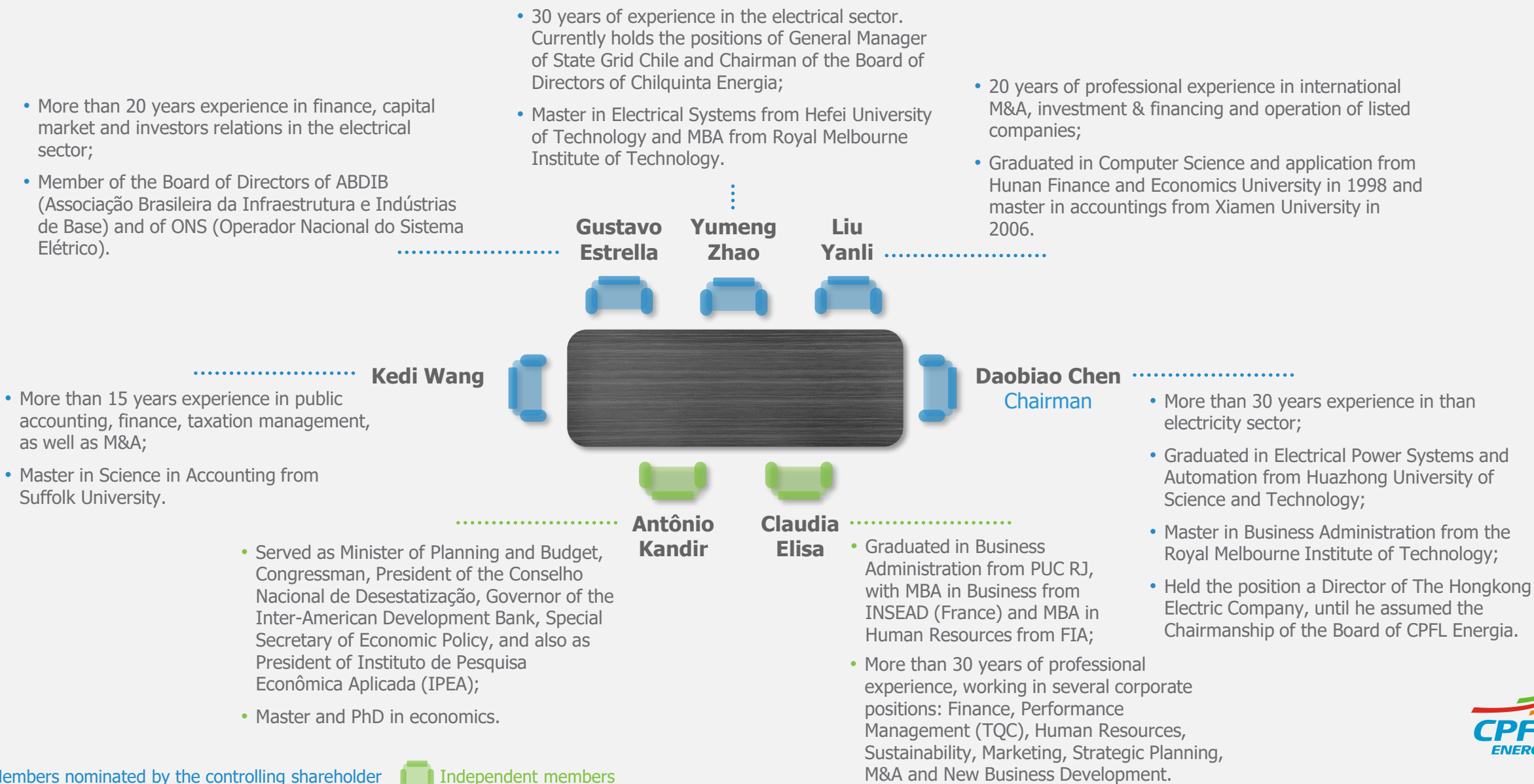
CPFE
B3 LISTED NM

**Highest
Corporate
Governance
standards in
Brazil**



Board of Directors Composition

2023-2025



Executive Management Team



CEO

Gustavo Estrella



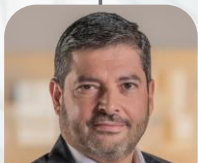
**Chief Planning &
Business Management
Officer**

**Flavio Henrique
Ribeiro**



**Chief Financial &
Investor Relations
Officer**

Wang Kedi



**Chief Legal &
Institutional Relations
Officer**

**Gustavo
Gachineiro**



**Chief Market
Operations Officer**

Karin Luchesi



**Chief Business
Development Officer**

Vitor Fagali



**Chief Regulated
Operations Officer**

**Luis Henrique
Ferreira Pinto**



**Chief Strategy, Innovation
and Business Excellence
Officer**

Huang Futao⁽¹⁾

(1) Acting as Executive Vice President (interim).

Controlling Shareholder - State Grid Corporation of China (SGCC)

State Grid International Development (SGID) – Sole platform for overseas investments of SGCC



Rank 3rd
amongst
Fortune Global
500 in 2024



**Rank 1st global
utility brand**
for seven
consecutive years



**China's national
sovereign level**
ratings (A+) from the
3 major international
credit ratings
organizations for 12
consecutive years



More than
US\$ 760 billion
of total assets



More than
US\$ 13 billion
of total profits



More than **1.3
million
employees** in
China and
22 thousand
overseas

Also applies to SGID



State Grid International Development Co. Ltd. (SGID)

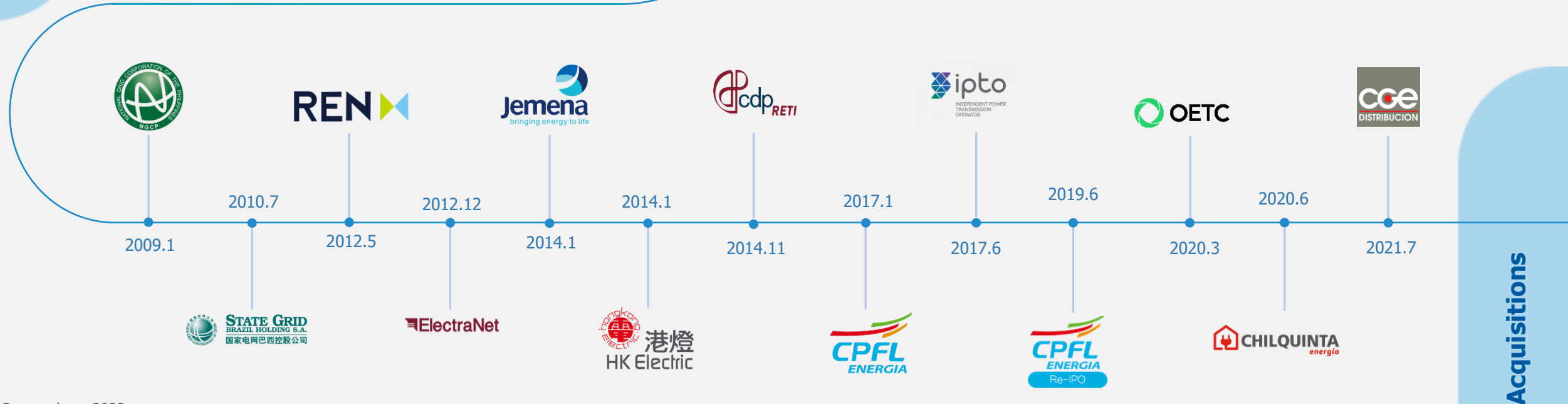
Core Business

International business take full advantage of State Grid strengths in **creditworthiness, technology, management, and brand value** to enhance market competitiveness, risk control, and brand influence.

State Grid International Development Co. Ltd. (SGID), founded in June 2008, is a wholly-owned subsidiary of State Grid Corporation of China (SGCC), responsible for overseas electric energy asset investment and operation.

Overseas investment*

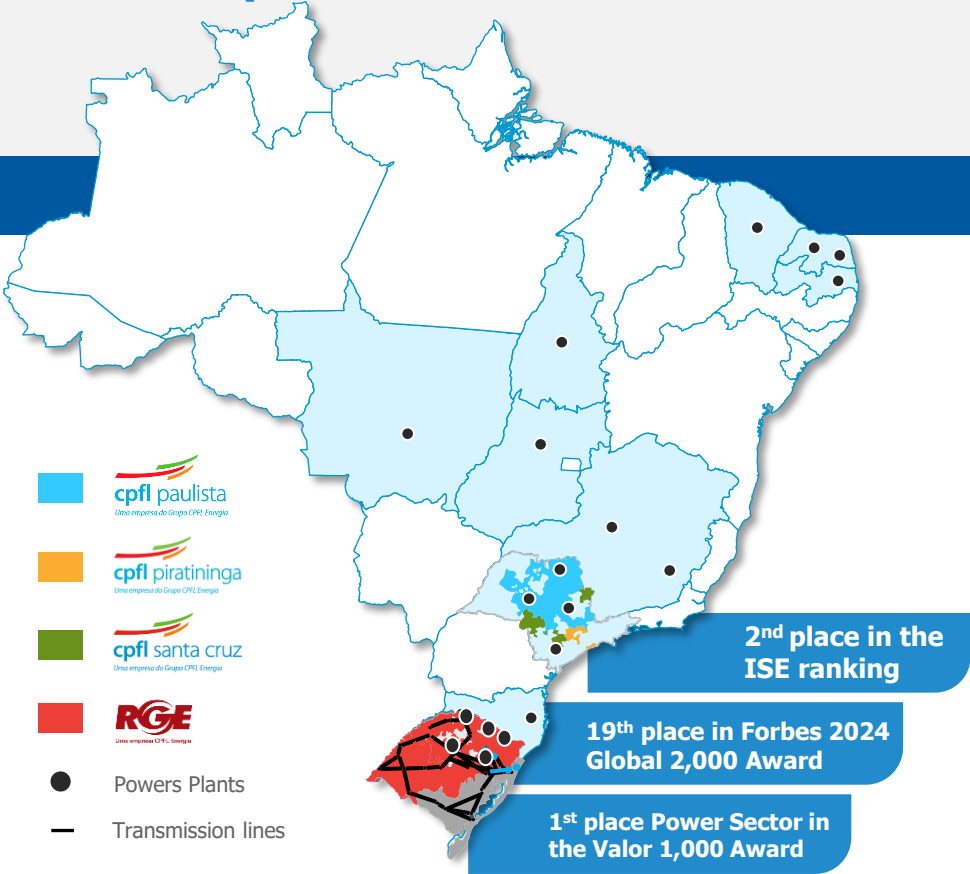
- 4 Continents, 9 countries and regions
- 12 Electric and Energy assets
- US\$ 50.1 billion of total assets
- US\$ 3.2 billion of total profits
- 22,286 overseas employees

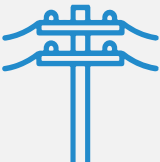





*Source: base 2022.

Highlights

CPFL is a leading utility company in Brazil with a premium and diversified portfolio



					
	Distribution	Generation	Transmission	Commercialization & Services	Total
EBITDA ¹	R\$ 7.8 bn	R\$ 4.0 bn	R\$ 1.1 bn	R\$ 0.2 bn	R\$ 13.1 bn
	1 st largest energy distribution company, with 13% market share ¹	It is among the largest renewable generator in the country with 4.2 GW of installed capacity ³	11 operating transmission projects with a RAP ^{2,3} of R\$ 1,063 MM	23.4 TWh commercialized energy	
	4 concessions in the most developed regions of Brazil and 10.7 million clients	Diversified portfolio fully contracted on the long term	8 th largest transmission company by Annual Revenue Requirement (ARR)	12 nd largest energy trader in terms of energy sold	

(1) Based on LTM energy sold; (2) Proportional to CPFL's stake in each asset; (3) Considering the RAP cycle 2024/2025.

Distribution

Generation

Transmission

Commercialization
& Services



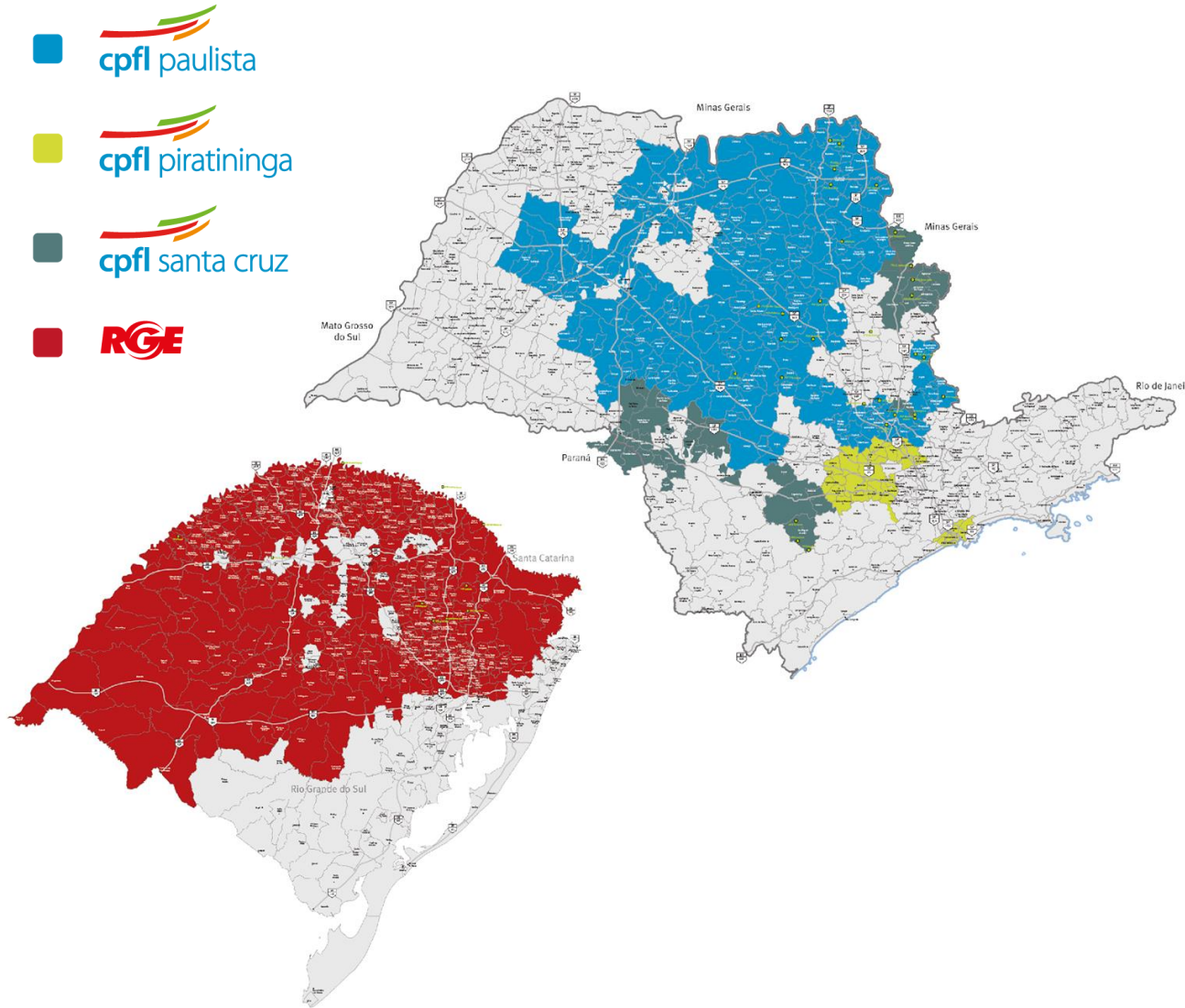
Distribution Profile

One of the most premium and concentrated concessions areas in Brazil

- 15% of Brazil's GDP¹
- 13% market share²
- Largest distribution coverage of São Paulo and Rio Grande do Sul

Key figures

- **4** distributors
- **687** municipalities
- **23 million** people³
- **10.7 million** customers
- **2% p.y.** organic growth
- **R\$ 26,808 million** of RAB⁴



- 5.1 MM customers
- Market: 34.7 TWh²
- RAB: 10,651 MM
- Next PTR: Apr 2028

- 2.0 MM customers
- Market: 16.2 TWh²
- RAB: 3,934 MM
- Next PTR: Oct 2027

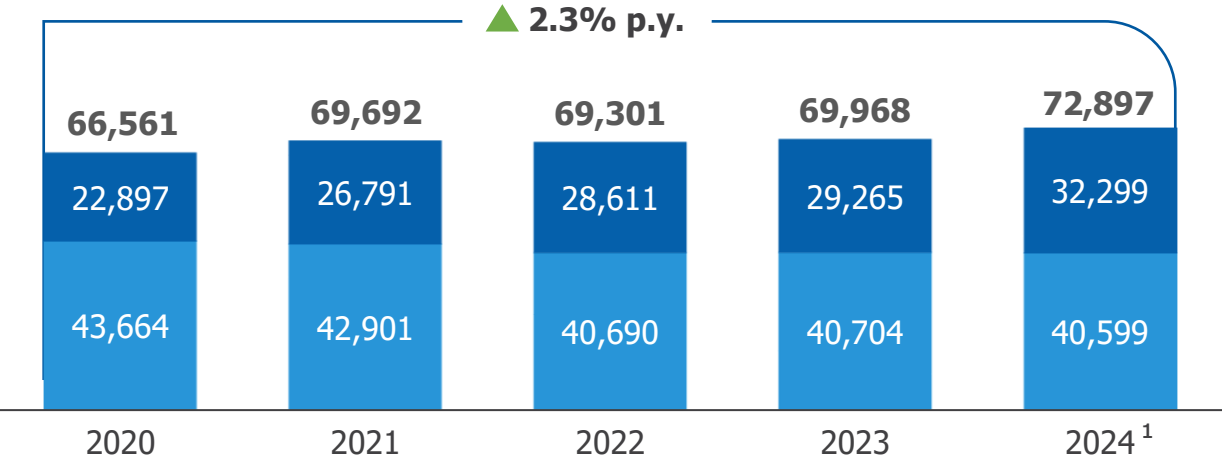
- 0.5 MM customers
- Market: 3.5 TWh²
- RAB: 1,213 MM
- Next PTR: Mar 2026

- 3.1 MM customers
- Market: 18.8 TWh²
- RAB: 11,010 MM
- Next PTR: Jun 2028

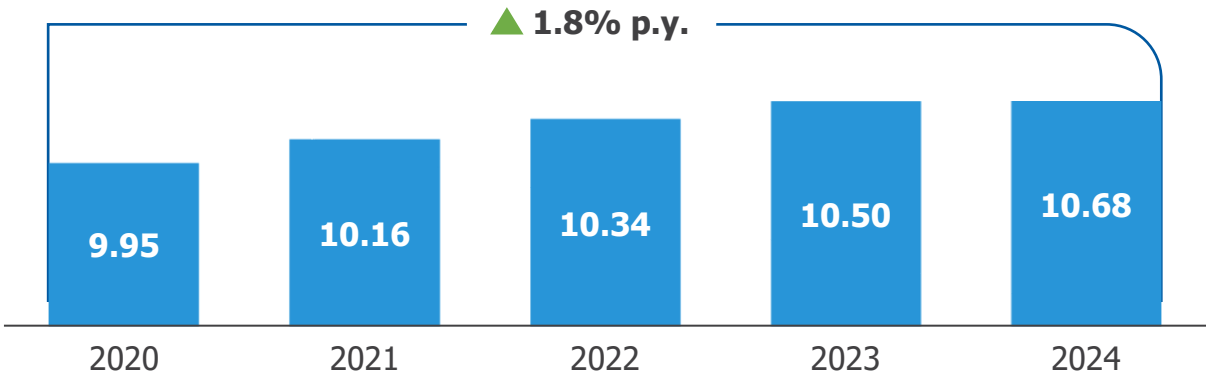
Energy Sales and Number of Clients

Sales in the Concession Area | GWh

■ Free Client
■ Captive



of Customers | million



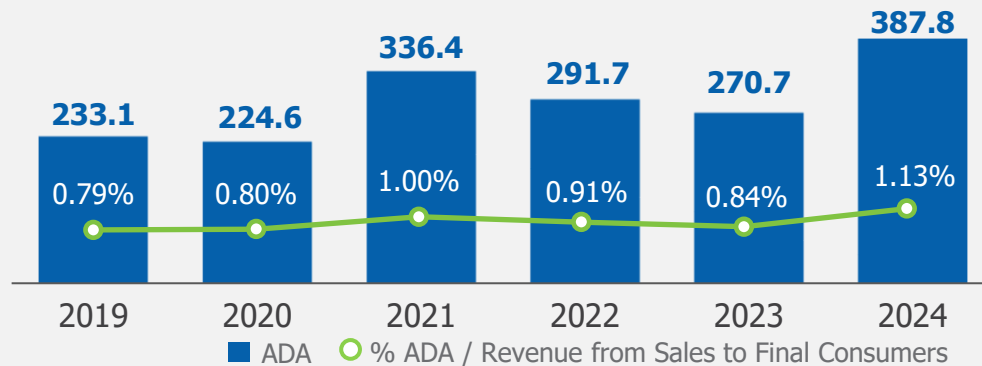
(1) LTM (last 12 months).



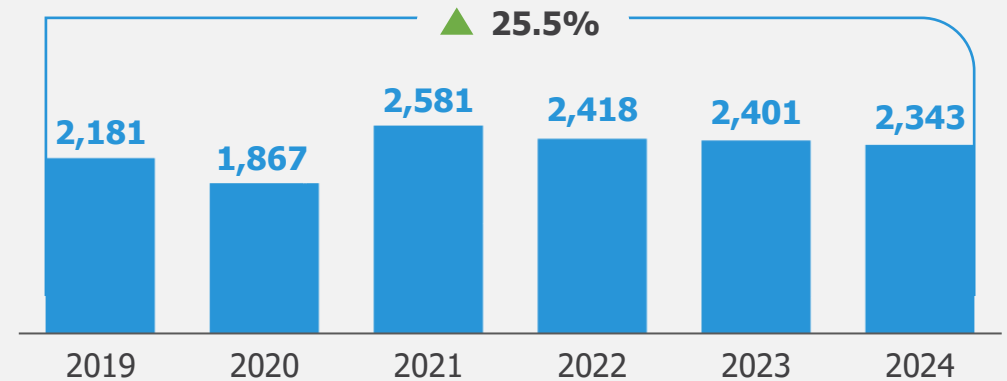
Delinquency and Energy Losses

Delinquency

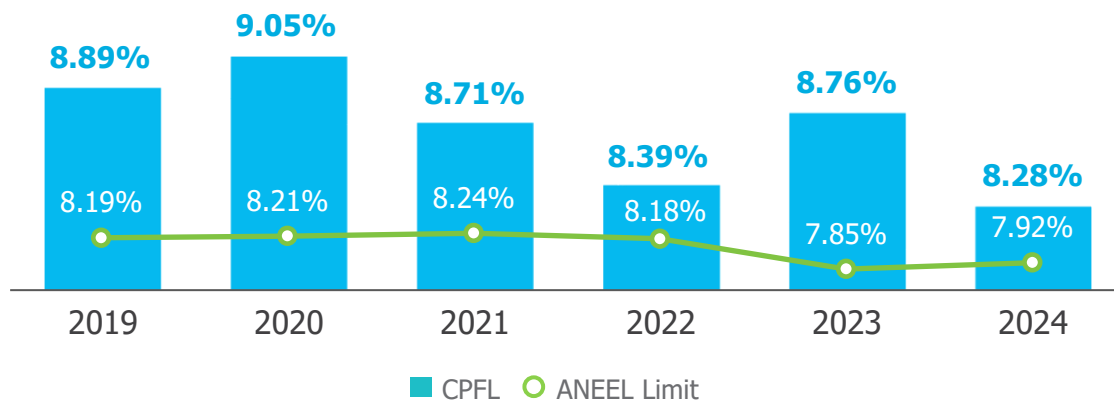
ADA | R\$ million



Collection Actions | Power cuts | thousands



Energy Losses



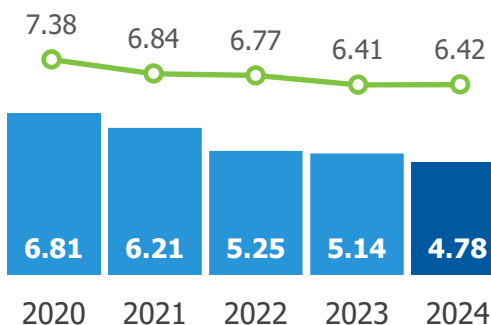
Intensified actions against frauds | 4Q24:

- Blinding of electrical borders and internal substations;
- Mapping of energy losses through microbalances;
- 65.1 thousand fraud inspections performed in consumer units;
- Replacement of more than 5.0 thousand obsolete/defective meters for new electronic meters;
- Visit in 4.4 thousand consumer units inactivated for cutting in cases of self-reconnection;
- Regularization of 15.0 thousand consumer units, with increase of consumption and without contract;
- Regularization of 817 clandestine consumer units, most of which having the need of CPFL Energia's grid construction;
- Market discipline through 100 news in media related to CPFL operations to fight fraud and theft.

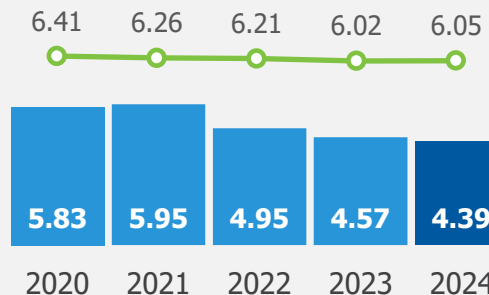
Quality Indicators - SAIDI

Equivalent
Interruption Duration
in hours

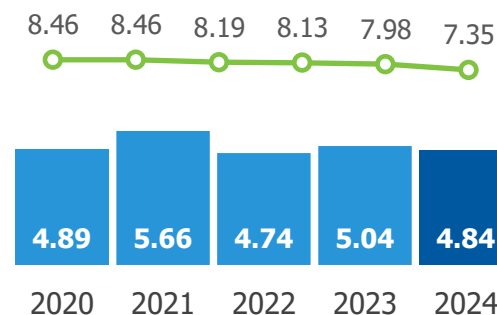
cpfl paulista



cpfl piratininga

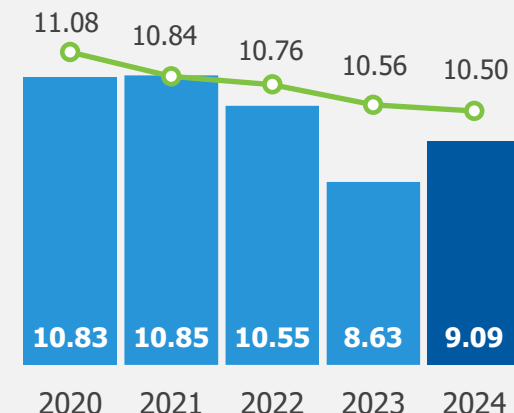


cpfl santa cruz



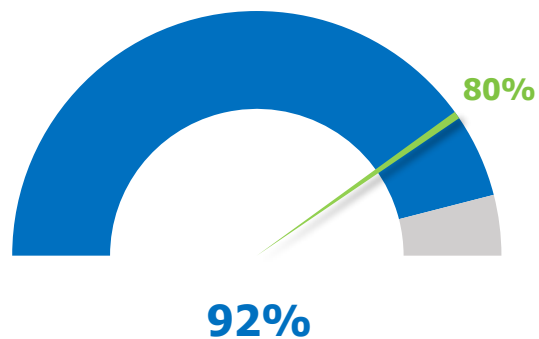
RGE
Uma empresa CPFL Energia

○ ANEEL
Limit

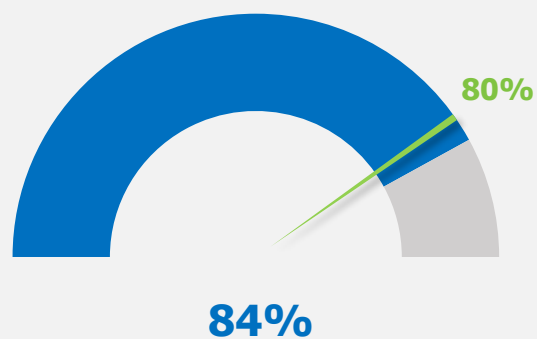


% of Sets within the
regulatory limit

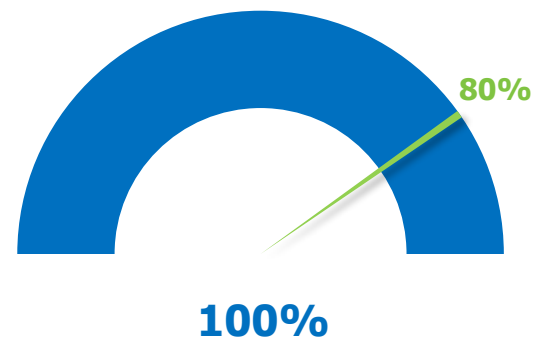
176 Sets



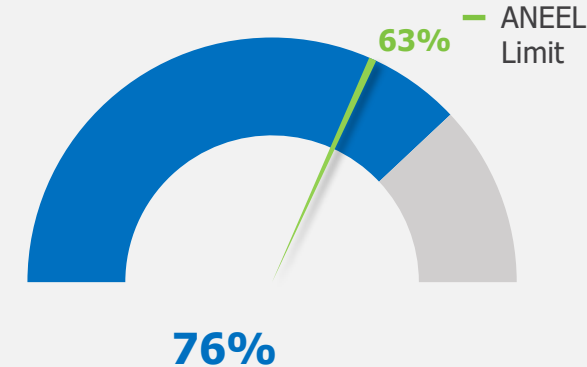
45 Sets



21 Sets



101 Sets

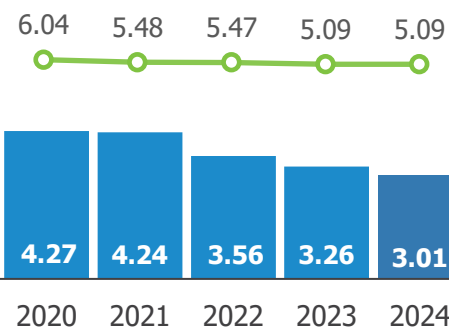


— ANEEL
Limit

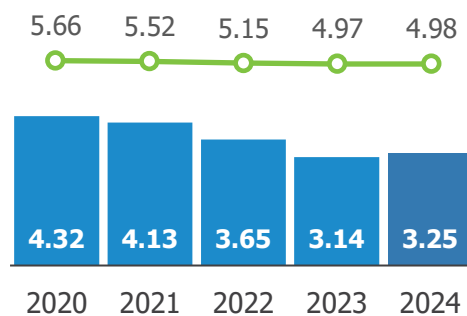
Quality Indicators - SAIFI

Equivalent Frequency of Interruption | in times

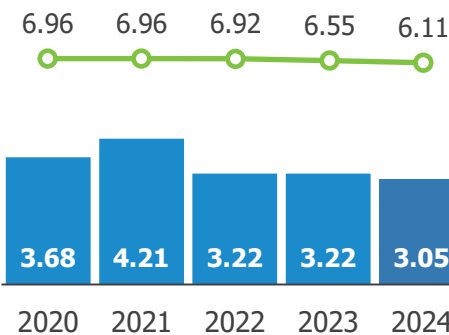
 cpfl paulista



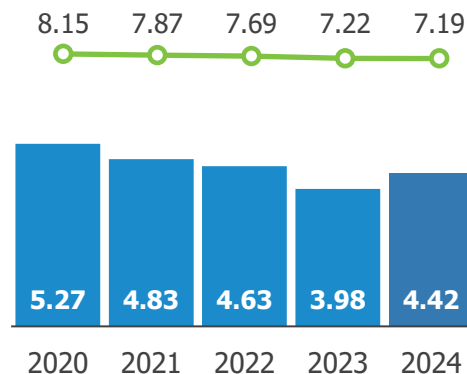
 cpfl piratininga



 cpfl santa cruz



 RGE



■ Results

○ ANEEL Limit



Innovation Projects



What is ADMS?

“Advanced Distribution Management System” is the fully integrated smart control system for Utilities. The CPFL project is the largest and most complete implementation of ADMS in Brazil.

Improvements:

- Fully unified system with operator productivity increasing
- Several automatic energy restoration possibilities
- Prepared to receive data from future Smart Grid
- Real time fault location
- Voltage control
- Energy grid sensors
- Simulations
- Process automation and beyond...

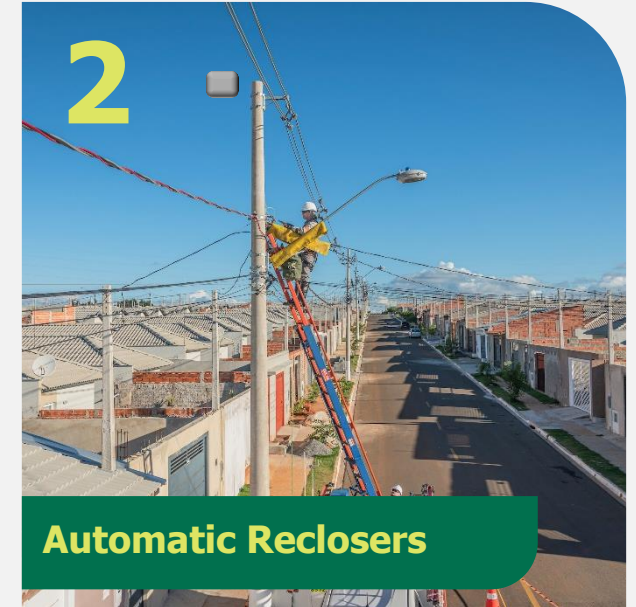
Indicators Impacts:

SAIDI, SAIFI, Compensatory Fines and Losses

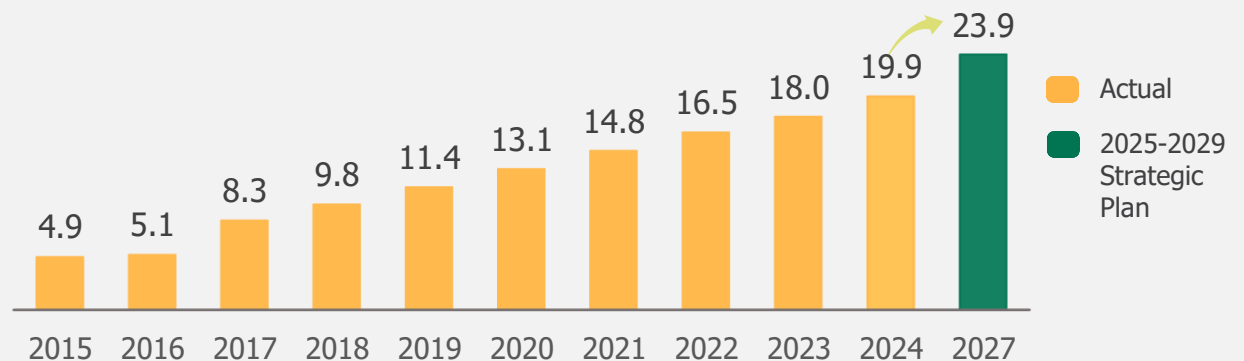


Expected results:

- Reduction of interruption time for clients
- Reduction of displacement of field teams
- Increase of operational efficiency



Installation of Automatic Reclosers | thousands





Distribution
Generation
Transmission
Commercialization
& Services

Generation Profile

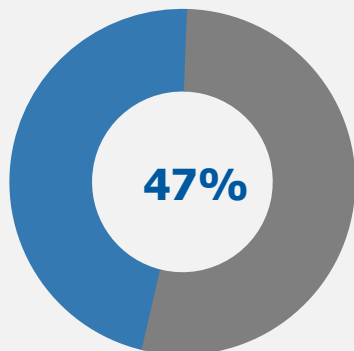
4,254 MW
of installed
capacity

6th largest
renewable
generator in the
country

96%
renewable
sources

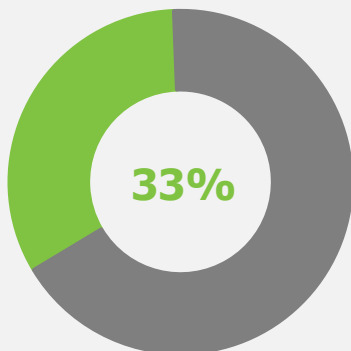
Current Installed Capacity Breakdown:

HPP
1,996 MW



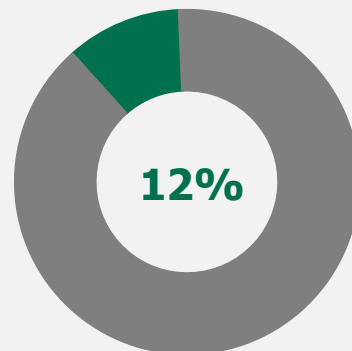
8 Hydro Power Plants

Wind
1,390 MW



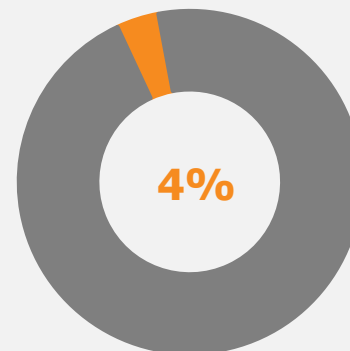
49 Wind Power Plants

SHPP
500 MW¹



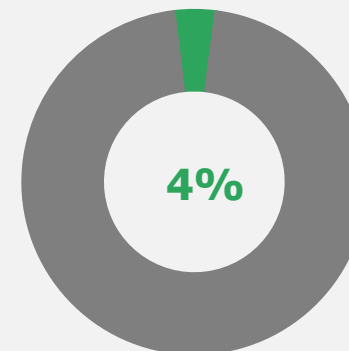
47 Small Hydro
Power Plants

Biomass
185 MW



4 Biomass Power Plants

Others
183 MW



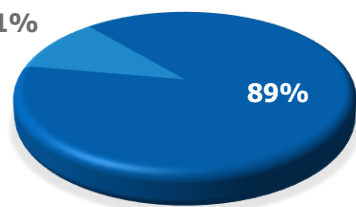
2 Thermal Power Plants
and **1** Solar Plant

Pipeline

4.4 GW

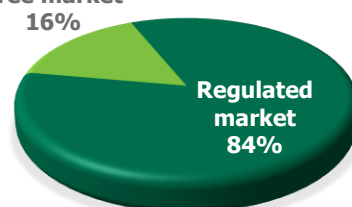
Under
Development

11%



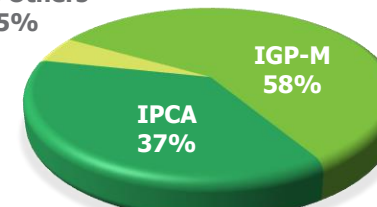
89% of hydro
capacity protected
from GSF²

Free market
16%



84% of total
capacity in the
regulated market in
LT contracts

US\$/Others
5%



Agreements are
mostly adjusted
by **IGP-M**

(1) Considers the entry into commercial operation of PCH Lucia Cherobim; (2) All projects have SP-100 hedge for GSF, except for Semesa HPP, which agreement with Furnas exempts CPFL of any impact of GSF.



Distribution
Generation
Transmission
Commercialization
& Services

Transmission Profile

Status	Project	Location	RAP ¹ (R\$ Million)	Concession	CPFL Energia Stake
Operating	CT 055/01	RS	856.0	2042	100%
	Sul II	RS	43.8	2049	100%
	TESB	RS	43.2	2041	98%
	Sul I	SC	34.4	2049	100%
	CT 080/02	RS	20.4	2032	100%
	Morro Agudo	SP	19.6	2045	100%
	Piracicaba	SP	17.1	2043	100%
	CT 004/01	RS	11.7	2051	100%
	Maracanaú	CE	10.9	2048	100%
	ETAU	RS	53.6	2032	10%
	TPAE	RS	11.4	2039	10%

Niche
projects focus

Distribution
Generation
Transmission
**Commercialization
& Services**

New Opportunities **Solutions**

A brand to bring to customers a full energy solution



Financial Services (in energy bill)

Credit: provides for discos' clients the option of payment of overdue bills in installments

Service payments: insurance, newspaper subscription and others



I-RECs and CERs

Renewable Energy Certificates (I-RECs), along with energy sales in the commercialization business

Sale of Carbon Credits



Datacenters

Strong and fast growth in Brazil, mainly in CPFL's concession area, with great perspectives

Good conditions for industry:

- Renewable energy at low prices
- Energy supply with high quality
- Telecom infrastructure

Installed Capacity:

- Current: 1 GW
- Potential: 11 GW



Free market for low voltage customers

New opportunities with the upcoming liberalization for low voltage customers



Green Hydrogen

R&D Project in partnership with Mizu Cimentos to produce Green Hydrogen

Incipient industry with high potential in Brazil in the years to come

New Opportunities Financial Services



Development of new business models to fully serve our customers, whether companies or end consumers



Financial services for **companies** that want to **get closer to customers** in our concession areas:

Advertising: To connect their brand using CPFL's bill advertising space

Services: To provide access to customers who do not have a bank account, use do not use automatic debit or live in difficult-to-access places, using CPFL's bill to make their charges (insurance, family assistance, newspaper subscription etc.)



alesta

Financial institution authorized by the Brazilian Central Bank for exclusive **operations** through an **electronic platform**

Goal: Granting of loans, as well as other activities related to credit analysis, collection and payments, providing the option of payment in installments in the energy bills

Operating in all DisCos



**+234 Thousand
Installments**

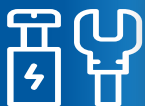
Strategy, Innovation & ESG Plan 2030



Our 6 strategic pillars

1

**Operational
Efficiency**



2

**Corporate
Governance**



3

Sustainability



4

**Financial
Discipline**



5

**Synergistic
Growth**



6

**Customer
Focus**



Plug&Play Platform

Key competitive advantage to create value in M&A transactions and assure a virtuous growth cycle

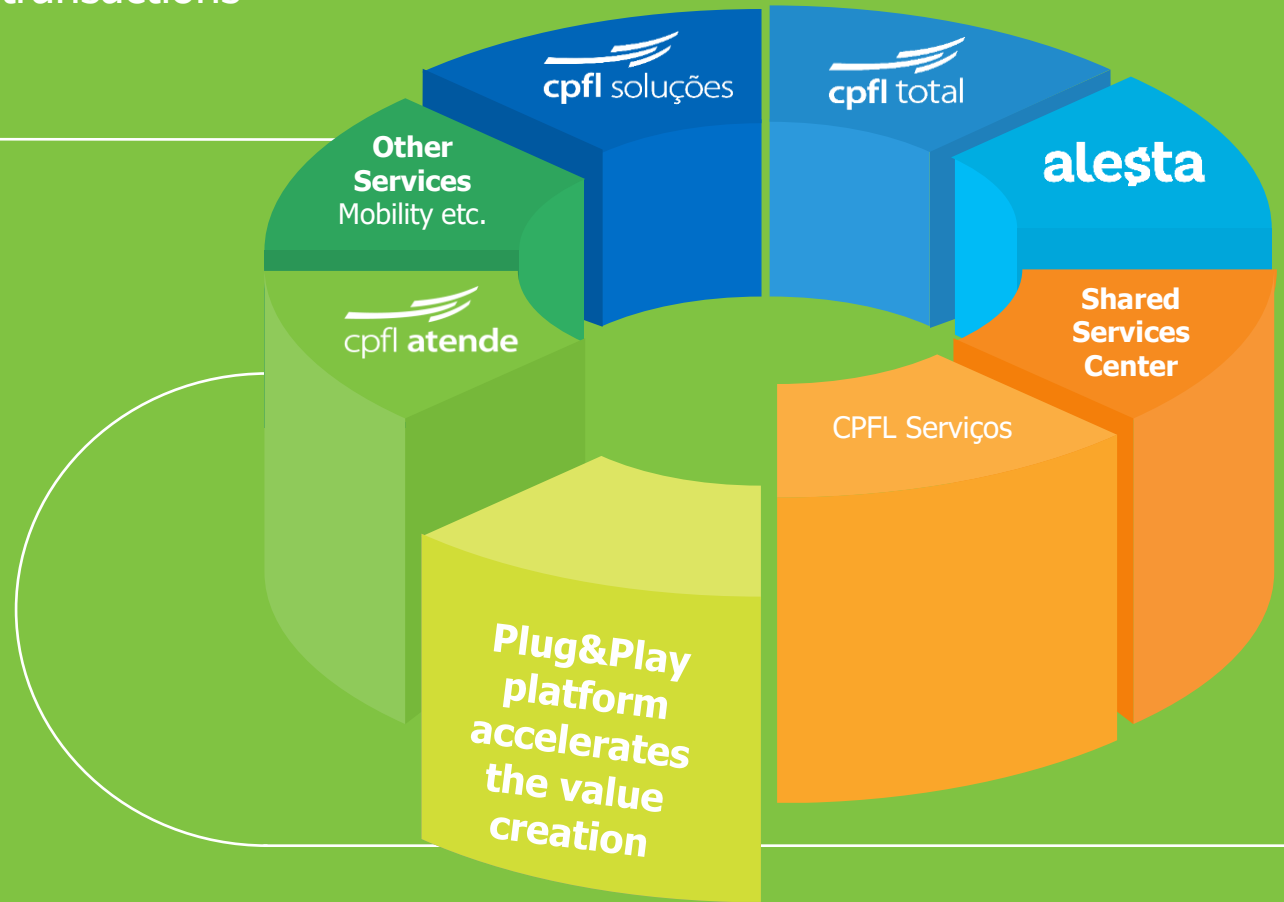
Investment
virtuous cycle



Some benefits of business environment:

- Shared Services Center helps CPFL gain agility and knowhow for internal demands supply
- Trading is able to help Gencos sell energy in the Free Market and Discos to minimize any excess contracting impacts
- Services segment support main segments business and grow with them
- Alesta aims to expand and facilitate installment options for CPFL Group customers

Plug&Play Platform



Sustainability in our strategy

Sustainable value creation exploiting the
Triple Bottom Line



+
Megatrends in the power sector

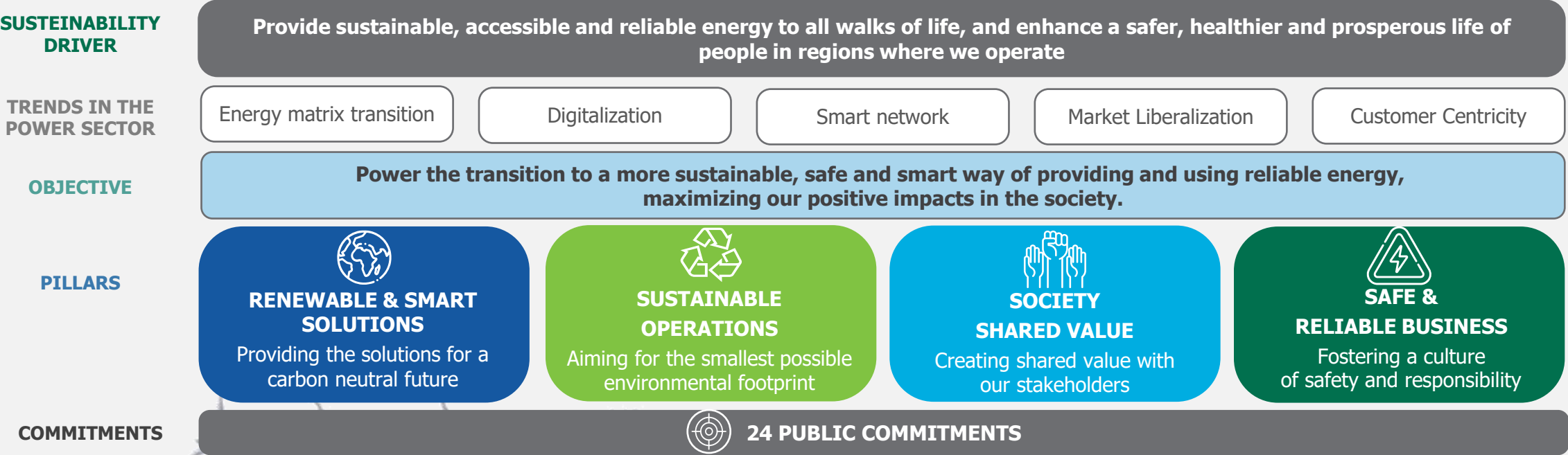


How we deliver our strategic goals and targets **is as important as delivering them**



ESG PLAN 2030 incorporating **Climate Change** aligned with the **Strategic Plan**

CPFL ESG Plan 2030



CPFL ESG Strategy

Power the transition to a more sustainable, safe and smart way of providing and using reliable energy, maximizing our positive impacts in the society.



Renewable & smart solutions

Providing the solutions for a carbon neutral future



Sustainable operations

Aiming for the smallest possible environmental footprint



Society shared value

Creating shared value with our stakeholders



Safe & reliable business

Fostering climate resilience and a culture of safety and responsibility

Our long-term vision

○ Decarbonization

Promote a carbon neutral business, grounded in renewable energy and lean emissions

○ Smart energy

Promote and implement smart energy solutions

○ Ecoefficiency

Continuously advance in the efficient use of natural resources

○ Circular economy

Integrate a circular perspective into our business operation

○ Biodiversity

Potentialize our net positive impact in the biodiversity

○ Client relationship

Foster a customer-oriented culture

○ Community

Be part of the solution to our communities' social challenges

○ Diversity

Create an inclusive culture, leveraging the diversity potential

○ Sustainable procurement

Promote the sustainable development of our supply chain

○ Health & safety

Guarantee a safe and healthy environment to all

○ Corporate governance

Strive for the best standards of governance and integrity

○ Cybersecurity & data protection

Ensure transparency and alignment with best practices for **cybersecurity** and data protection, **considering the constant digital evolution and emerging technologies.**

UPDATED

○ Climate resilience

Potentialize the resilience to climate change and continuously advance in the management of risks by 2030.

NEW



Renewable & smart solutions



Sustainable operations



Society shared value



Safe & reliable business

ESG PLAN 2030 TO BE

1. Generate 100% renewable energy by 2030

2. Become carbon neutral from 2025¹, reducing 56%² of scope 1, 2 and 3 emissions by 2030

3. Provide low carbon solutions to our customers, with annual targets for IRECs and carbon credits revenues

4. Reach at least 15%³ of Electric Fleet (**aerial lift trucks**⁴) in Distribution companies by 2030

5. Invest at least BRL 40MM in green hydrogen technologies by 2030

6. Reach at least BRL 580MM in investments in smart energy solutions by 2027

7. Consolidate CPFL ecoefficiency management program, setting targets by 2024 to promote conscious consumption of energy, water and to reduce landfill waste disposal⁵

8. Phase out single-use plastics in our administrative units by 2025

9. Create CPFL's Biodiversity Positioning by 2025 to maximize the benefits and value generated by our operations for the environment and society

10. Refurbish at least 70,000 electrical network equipment⁶ by 2030

11. Ensure 100% of the main **distribution** grid components destined for recycling or reverse chain systems

12. Invest at least BRL 230MM in socioenvironmental projects that maximize transformation in the community by 2030

13. Invest BRL 140MM in energy efficiency initiatives at public hospitals by 2025

14. Reach 40% of minority groups in leadership roles by 2030

15. Assess 100% of critical suppliers in sustainability criteria⁷ and achieve at least 85% of our spending⁸ with companies that present advanced practices in sustainability by 2030

16. Maintain at least 90% of attendance by digital channels

17. Sustain at least 1 distribution company listed among the top 3 in the ANEEL **Consumer Satisfaction Award**

18. Strengthen safety culture to achieve zero fatalities and reduce frequency and severity rate of accidents involving employees and service providers

19. Invest BRL 50MM in awareness and risk reduction projects⁹ for the population by 2030

20. Promote a healthy work environment, increasing awareness on mental wellbeing and establishing supportive actions for our employees

21. Ensure 100% of employees trained in the company's Integrity Program

22. Train 100% of administrative employees¹¹ in **cybersecurity**, data protection and **emerging technologies**¹² integrated to the business

23. Continuously pursue the best practices of **integrity**, transparency, **equity**, accountability and **sustainability**

24. Establish climate adaptation plans for CPFL's generation, transmission and distribution businesses, strengthening the resilience of our assets by 2030

NEW

¹ Neutralization in 2026 related to 2025 GHG Inventory.

² Baseline for reducing emissions: 2021 total emissions in scopes 1, 2 and 3.

³ Baseline for increasing electric fleet: March/23

⁴ Aerial lift trucks up to 13 meters long

⁵ Waste disposal from Headquarters Campinas, EA Jundiá, Headquarters CPFL-T Porto Alegre, Headquarters RGE São Leopoldo, Former Headquarters RGE Caxias, CSC Indaiatuba, CPFL Serviços Rio Pardo.

⁶ Transformers, voltage regulators, reclosers.

⁷ As defined in SBM, critical for operation.

⁸ DisCos + CPFL Renováveis - the portfolios of the other businesses will be evaluated and worked on in the period, and it is not possible to make a proposal for a goal now.

⁹ Guardião da Vida and Arborização + Segura.

¹⁰ CPFL Energia, its subsidiaries and affiliates with the same management and governance model, in which CPFL Energia has management in the administration

¹¹ Except employees with a suspended employment contract either by agreement between the parties or by legal imposition, as established in the CLT.

¹² Artificial intelligence, IOT, among others

Green Hydrogen

5

ESG
Plan
2030

Renewable
and Smart
Solutions

Green Hydrogen Production



**Partnership for Pilot
Project**
in Baraúna/RN



R\$ 44 million
in investments



Production of
~ **3 GWh/year**



Start of operation
in **2027**



More than **12.5 kton**
CO₂ to be avoided

Lower carbon footprint



Technology for the benefit of CPFL customers

Customer
as our focus



Customer focus and digitalization for customer success (ChatBot with Artificial Intelligence, Speech Analytics, Virtualization of agencies)



Grid automation and modernization (ADMS, Reclosers, use of Artificial Intelligence, Operations Center Automation, Machine Learning for maintenance)



Smart Meters



RPAs supporting processes
Automatization and simplification



Integration of Operational Center and Remote Operation of Renewables and Transmission Assets



R&D Projects
(Mobility, Storage, Microgrid, Smart City...)



Climate Adaptation and Resilience

Distribution



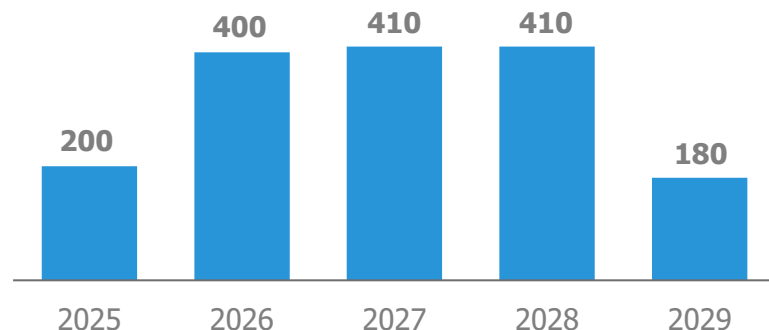
R\$ 1.2 billion

Investment

1.6 million

Replacement

Meters Replacement Plan | Thousands



Generation



Integrated Operation Center

"Hydro 4.0"

Digital Dam Management Platform

R\$ 10 MM

Invested

55
Dams

Asset Monitoring Center

+

Real Time Operation

24h/Day
Remote Operations

Transmission



Territorial Intelligence

Digital Risks Management Platform

R\$ 6 MM

Invested

Use of AI

For ground analysis

Rollout in May-25

Electrical Mobility

In progress

Expansion of fleet electrification and creation of the Green Corridor

Electrification of 4 new operational bases, with different characteristics, to complement the studies already carried out and validate the use of electric vehicles in CPFL's operations.

Creation of an electric corridor connecting cities on strategic routes within CPFL's concession area, guaranteeing safe and efficient operations.

Plan ESG 2030:



P1. Renewable & Smart Solutions

C4. Reach at least 15% of the Electrified Operational Technical Fleet in São Paulo State³ by 2030

Electric Bus

Experienced the application of an electric bus as an internal circular on the Unicamp campus, evaluating and monitoring the parameters and impacts in real time:

- **+ 75,000** km traveled
- **54% CO₂** reduction compared to diesel

Electrification of 100% our operational fleet in Indaiatuba

Use of 21 electric vehicles, including passenger, utility and truck models in Indaiatuba city:

- **+ 900 km** driven
- **+ 345 MWh**

Electric Mobility Services Platform

It involves the operation of electric stations in the city of Campinas, offering a high quality recharging service for electric vehicle owners.

- **+ 4,300** users
- **+ 2 million** km

Develop a new charging station concept

- Installation of charging stations with batteries and solar generation
- Model focused on usability, low impact on the network and sustainability

"Second Life": reutilization of used electric-vehicle batteries

Methodology to reuse used battery cells.

Prototype built:

- Energy: 8 kWh
- Voltage: 48V
- Power: 3kW

Bill's collection digitalization

Customer Digitalization

New features on web

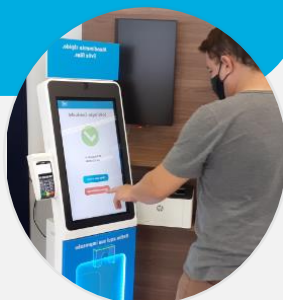
- **6.9 MM** active users on App
- **4.9 MM** Digital Bills (no paper)
- **91.0% of interactions** through digital channels (Site, App, WhatsApp, totems)



Self-Service Totems

41 agencies
98 accredited
186 equipment

In 2024 there were more than **11.0 million** self-service transactions



Actions implemented

Credit Card

- Monthly overdue payments and installments of overdue bills
- Partnership with Cielo

Automatic Debit

- Partnership with Nubank
- Partnership with Banco Inter

Pix

- Account Only with QR Code PIX¹
- Account withdrawal on the same day - Partnership with Santander
- Bill paid notification in the App and at the Agency
- Ease in PIX "Copy and Paste" in the account by e-mail
- Cancellation of collection and power cuts

VISA



Payment Channels at CPFL Energia (%)

Cash

- Lottery
- Cashier
- Banking Accredited

Collection Fee: ~3x the other ones

Jan-2020

Dec-2024

49.1

24.7

E-Payments

- PIX
- Internet Banking
- Payment Slip
- Automatic Debit
- Bill²

50.9

75.3



(1) Only for customers who have opted in; (2) For group A customers only.

CPFL nos Hospitais



Conclusion of **Phase 1** and **Phase 2** started with 246 new hospitals mapped and R\$ 140 million to be invested by Dec-24

325 hospitals benefited by the program

325 **concluded** with the following results:

- **197,261** replaced lamps
- **R\$ 21.55 million/year** of estimated savings
- **51.31 GWh/year** of expected energy saved, **enough to supply 21,640 residences**
- **3,851 tCO₂** expected avoided emissions, **equivalent to planting 23,104 trees**



Phase 1

R\$ 155 million
invested until Dec-21

210 hospitals benefited in this phase

194 **concluded**
16 in progress
with the following results:

- **21,452** replaced lamps
- **R\$ 9.20 million/year** of estimated savings
- **21.27 GWh/year** of expected energy saved, **enough to supply 10,669 residences**
- **2,688 tCO₂** expected avoided emissions, **equivalent to planting 16,128 trees**



Phase 2

R\$ 127 million
invested until Sep-24

Financial Management

How we assure maximum returns to shareholders



Outstanding Cost Control and Effective Budget Management

Culture of constant cost reduction and value creation



Strategic Integrated Financing Planning

Group view on cash flow and debt management



Discipline and Result-focused Business Development

Focus on results and business plan implementation



Digitalization and Fintech

E-Channel expansion, synergy utilization and keep developing new profit contribution



Main Goal:

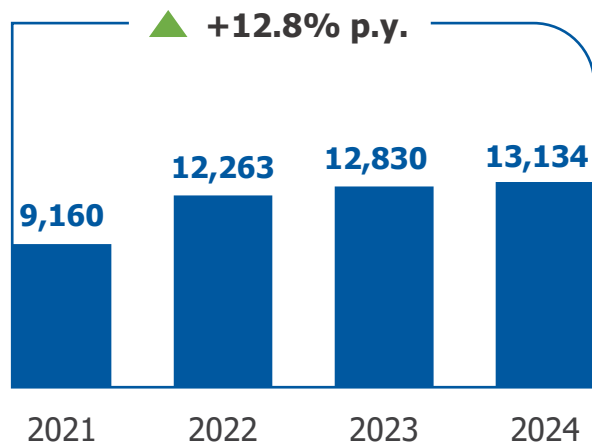
**Maximize
shareholders'
return**



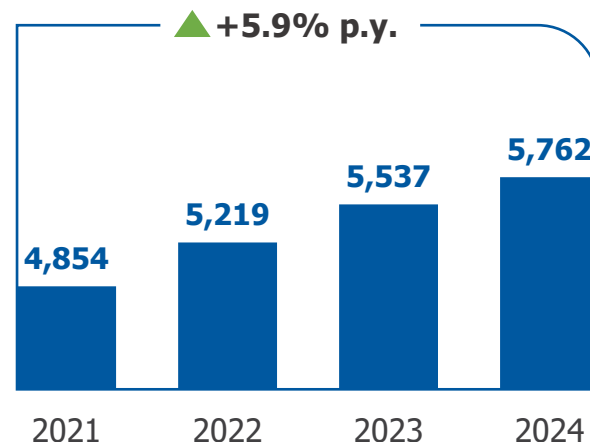
+80%
Total Shareholder
Return (TSR)²

Consolidated Financial Performance

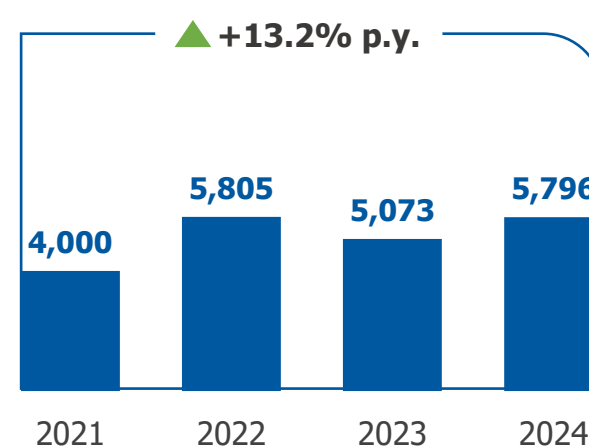
EBITDA¹



Net Income¹



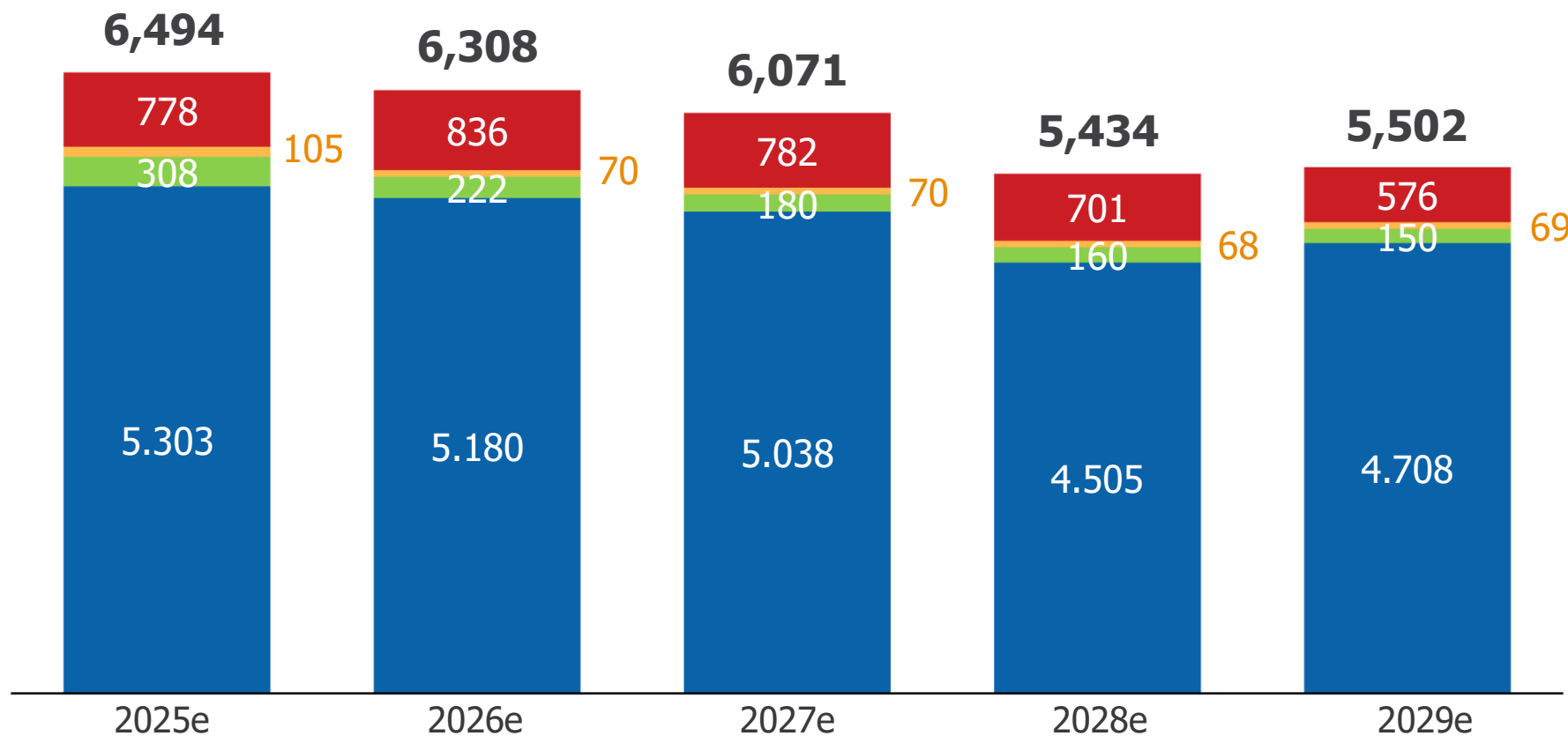
CAPEX¹



(1) In R\$ thousands; (2) Since Re-IPO (Jun-19) until February 27th, 2025.

Capex estimates¹ in 2025-2029

Total
**R\$ 29,810
million**



Transmission

R\$ 3,673 MM

Commercialization
& Services

R\$ 382 MM

Generation

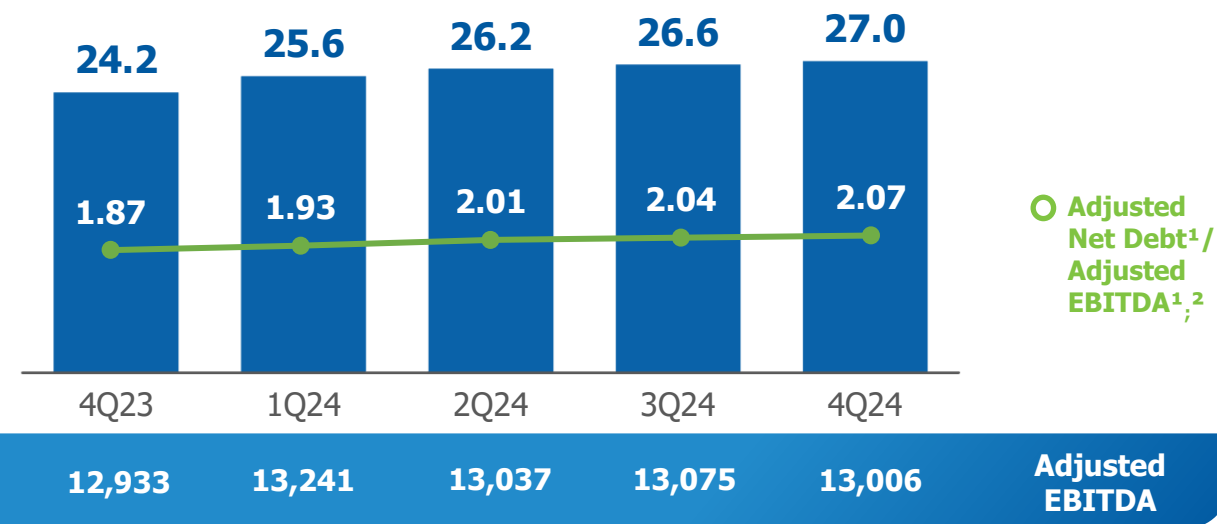
R\$ 1,020 MM

Distribution²

R\$ 24,734 MM

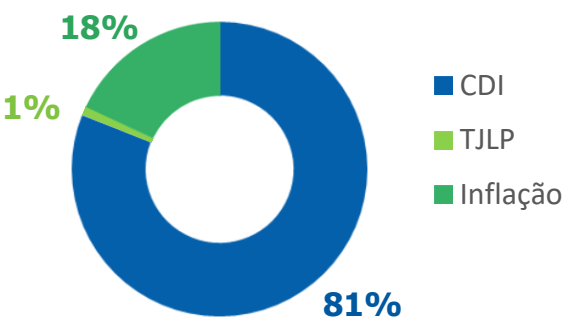
Balance between growth and yield

Leverage | Financial covenants criteria | R\$ billion



Gross debt breakdown by indexer³

IFRS | 2023



Ratings

S&P Global Ratings FitchRatings MOODY'S

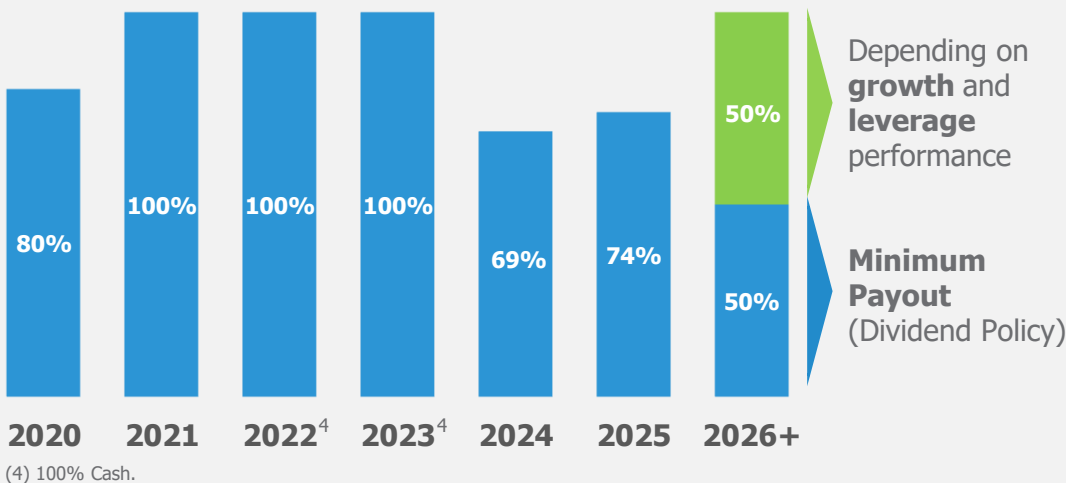
brAAA

AAA(bra)

AAA.br

1 notch higher than sovereign rating

Dividend Payout | %



(4) 100% Cash.

- Focus our strategic efforts on measures capable of managing costs and expanding investments in our business
- The balance between growth and yield makes CPFL Energia an important dividend player in the market
- Our goal is to keep the leverage between 2.0x and 2.5x in the next years, while our covenants are 3.75x

(1) LTM EBITDA; (2) Adjusted by the proportional consolidation as well as considering SGBP's loan agreement; (3) Financial debt (-) hedge.

Talk to IR

ri@cpfl.com.br

