# ENGIE BRASIL ENERGIA

## Results Presentation 3Q22

November 08, 2022

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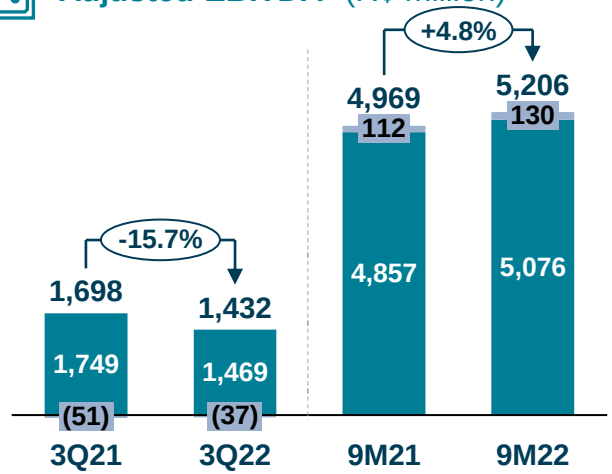
Trairi Wind Complex

01

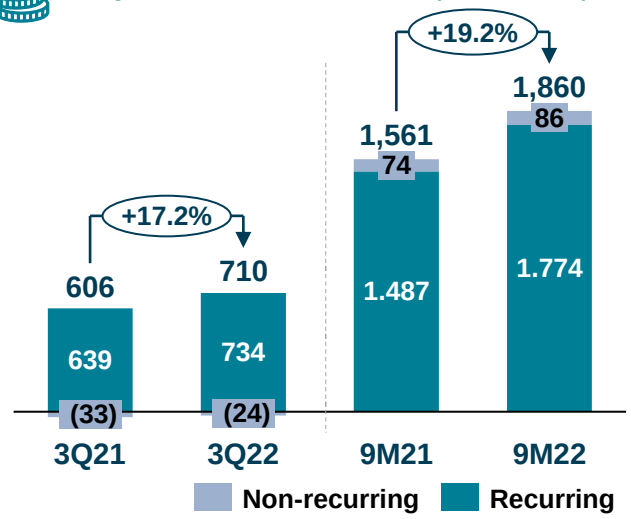
# Highlights and ESG KPIs

# Highlights

## Adjusted EBITDA[1] (R$ million)




## Adjusted NET INCOME (R$ million)




**Note:**
[1]Adjusted Ebitda: net income + income tax and social contribution + financial result + depreciation and amortization + non-recurring.

## Result drivers vs. 3Q21

| | |
|---|---|
| ↑ **R$ 324 million** | Increase of 8.0% in price and 9.3% in sales volume |
| ↑ **R$ 174 million** | CCEE Result |
| ↑ **R$ 121 million** | Transmission segment RAP (cash effect) |
| ↑ **R$ 83 million** | Lower fuel consumption |
| ↓ **R$ 372 million** | Hydrological risk negotiation in 3Q21 |

### Energy purchase for portfolio

| | |
|---|---|
| ↓ **R$ 236 million** | Primarily due to the energy purchase contract with Jorge Lacerda Thermal Power Plant |

### Net financial result

| | |
|---|---|
| ↑ **R$ 387 million** | Financial income: > R$ 69 million<br>Financial expenses: < R$ 218 million<br>Concession payable expenses: < R$ 100 million |

# Highlights

Company has evolved in its strategy of becoming a **generator which is 100% renewable** with the signature of the **sale agreement for the Pampa Sul** Thermoelectric Power Plant, located in Candiota (RS).

Closing of the operation pending conditions precedent.

In September, the Company signed the contract for the supply of up to 188 wind turbines with Vestas do Brasil, one of the critical events that allowed work to **start on the implementation of the Serra do Assuruá Wind Complex**, with an installed capacity of 846 MW, located in Gentio do Ouro (BA).

**Energy sales** for delivery in the 2023 to 2027 period, **maintaining net average selling prices** above R$ 220/MWh. Uncontracted commercial capacity fell on average by 88 aMW from 2023 to 2026.


Umburanas Wind Complex

# Highlights



Equipment supply contracts with WEG, and for construction with Abengoa, were signed for **Gavião Real Transmissora de Energia Project.**

For the 13th time, the Company was awarded the **Transparency Trophy**, organized by Anefac-Fipecafi, recognizing companies with the best practices of governance and transparency in the financial statements.

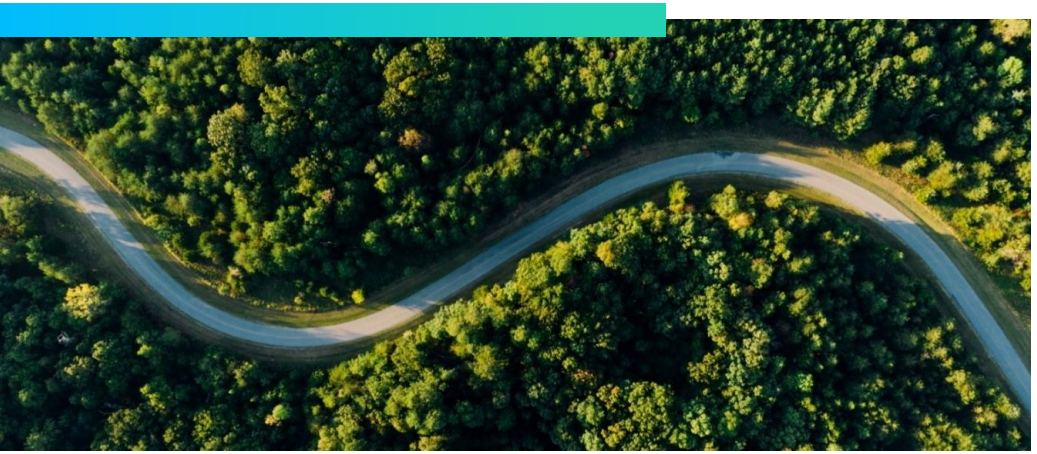
A Ministry of Mines and Energy (MME) ordinance permits all **high voltage consumers** to sign up to the **free energy market** as from 2024.

Approved the **distribution of R$ 472.8 million as complementary interim dividends (R$ 0.5795/share)**, representing an additional 45% payout of the distributable net income reported in the first half of 2022, completing 100% payout in the period.

Share will be traded ex-dividends as from November 22, 2022 and the **payment date will be decided latter** on by the Management Board.

# Highlights

ENGIE Brasil Energia and its indirect controlling company ENGIE S.A. have **endorsed the initiative** of Corporate Knights and Global 100 Council, in which companies are committed to **act against climate change and support the Paris Accord.**

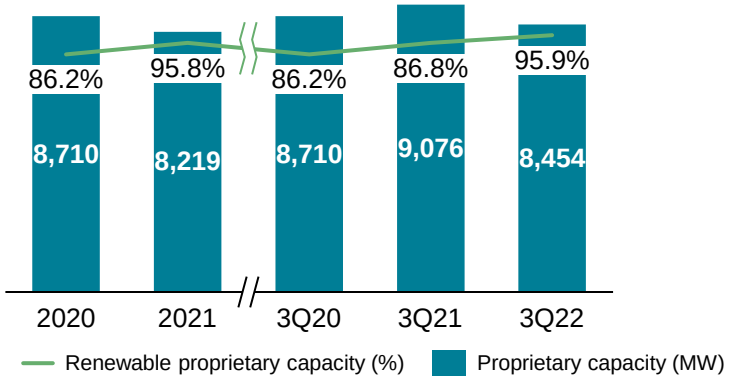


Approved the change in the denomination of the Administrative Office to **People, Processes and Sustainability Office**.

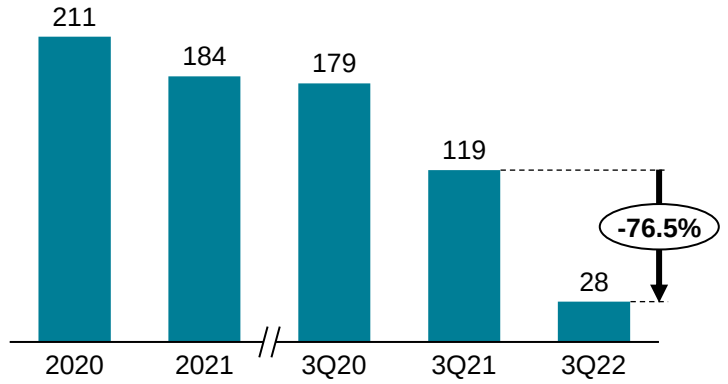


# ESG 3Q22 KPIs

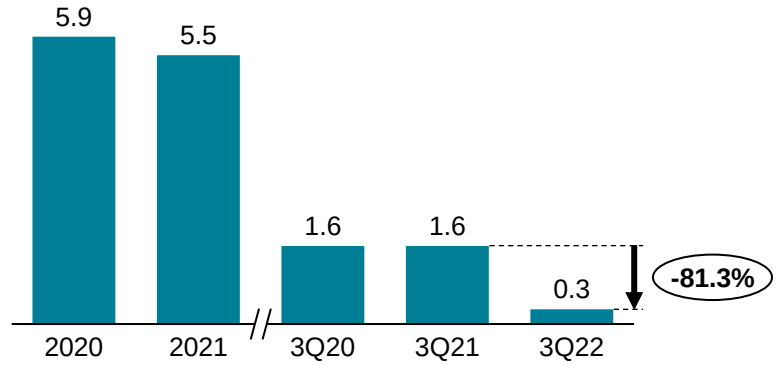
## INSTALLED CAPACITY AND % OF RENEWABLES



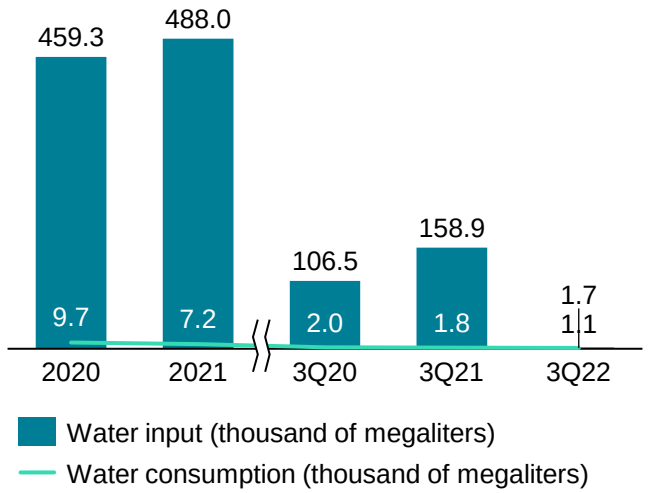

## EMISSION INTENSITY[1] (KgCO$_2$E/MWh)



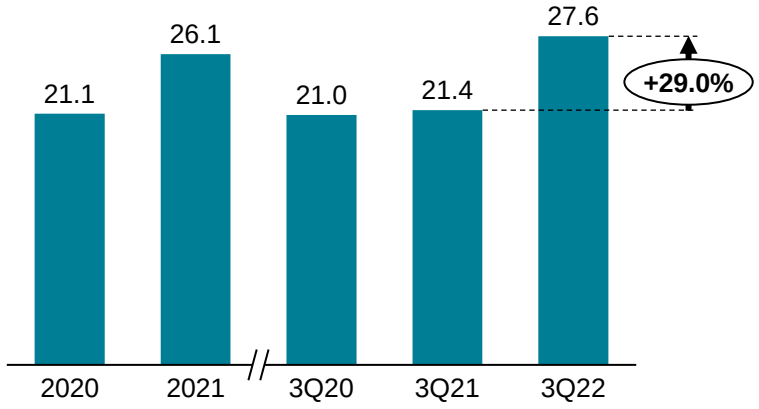

## TOTAL EMISSIONS[1] (million of tCO$_2$e)



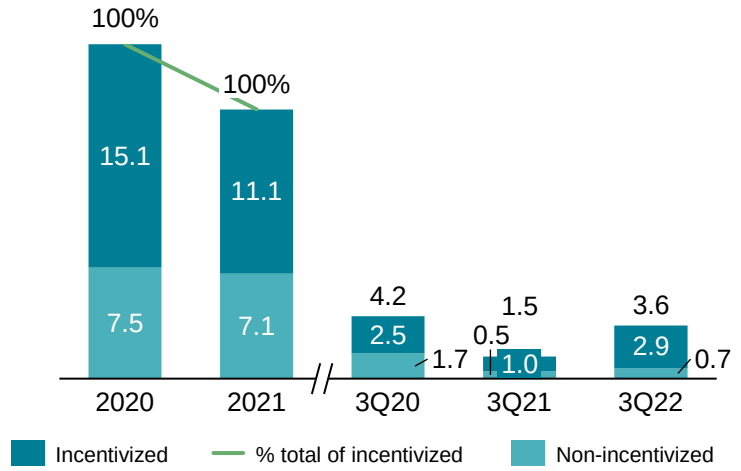

## WATER INPUT AND CONSUMPTION[1]




## % WOMEN IN THE WORKFORCE




## SOCIAL RESPONSIBILITY INVESTMENTS (R$ million) AND % OF THE INCENTIVIZED RESOURCE LIMIT




**Note:**
[1] The Pampa Sul Thermoelectric Power Plant did not operate in the second quarter of 2022 due to predictive maintenance, resuming the operation in August/22.



Salto Santiago Hydro Power Plant

# 02

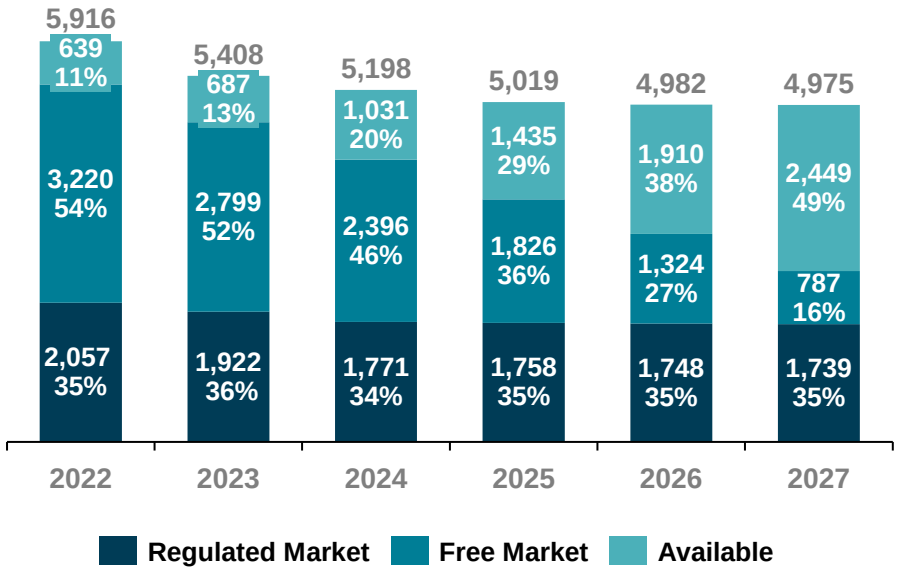
# Energy Sales

# Energy Commercial Strategy

## Portfolio diversification and gradual sale of future energy availability, with reserve preservation to protect against hydrological risk

### ENERGY BALANCE (% OF TOTAL; AVERAGE MW)

As of September 30, 2022

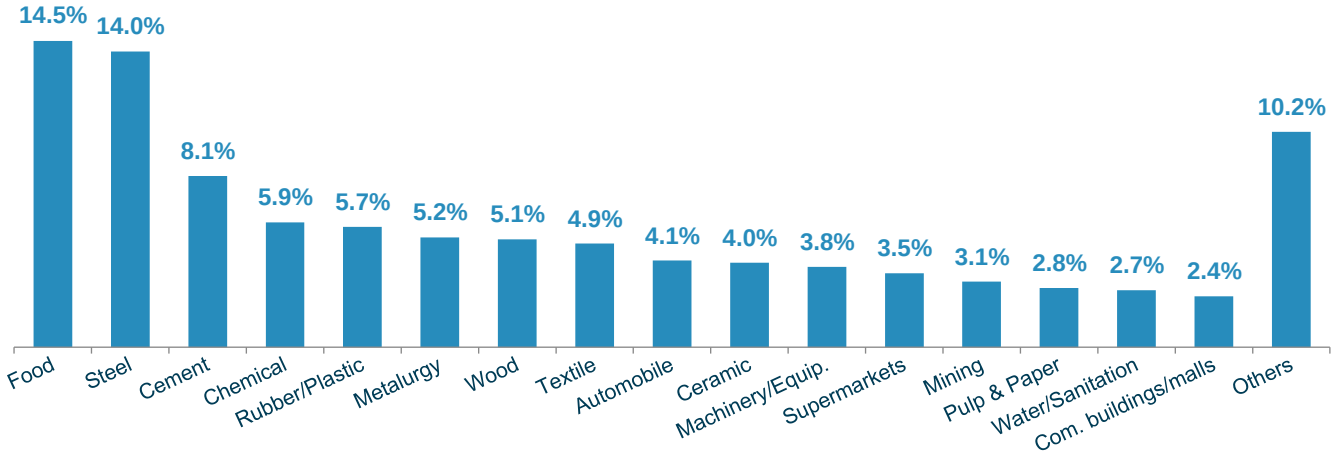



### 2022 | CONTRACTED ENERGY BREAKDOWN BY MARKET

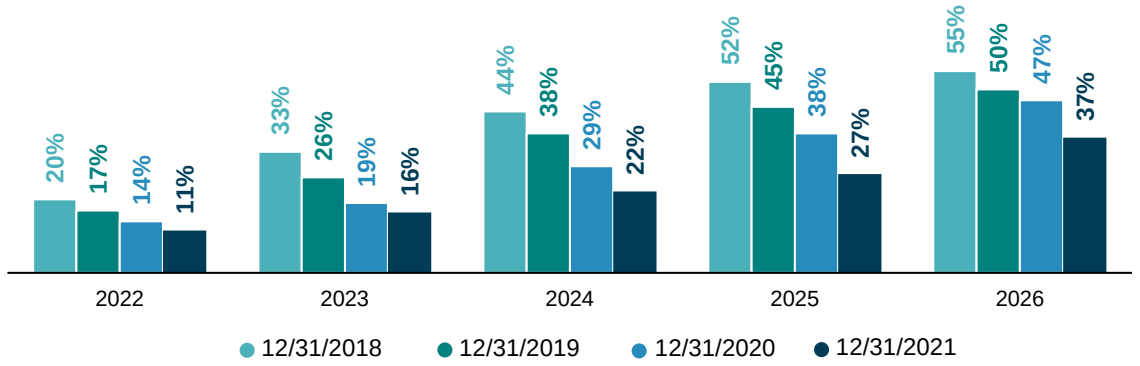



### FREE CUSTOMERS TOTAL SALES VOLUME FOR 2022: 2,339 aMW

**Source:** Internal study based on IBGE's classification.

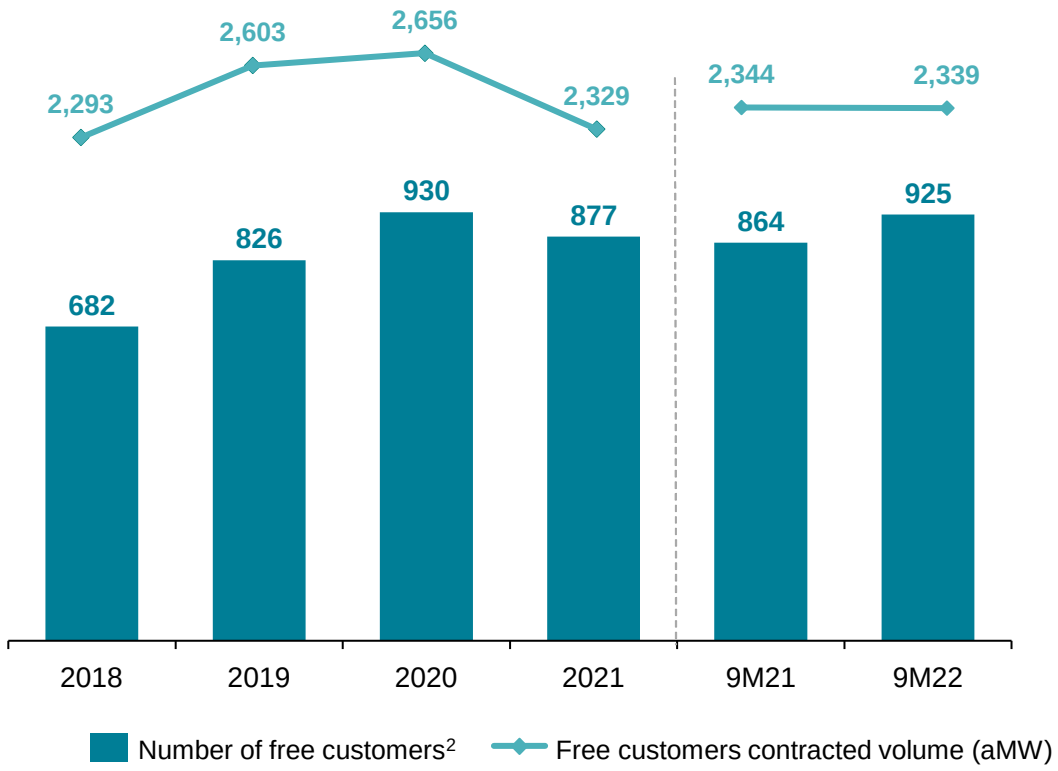



### UNCONTRACTED ENERGY COMPARED TO THE AVAILABILITY OF A GIVEN YEAR



# Energy Commercial Strategy

## EVOLUTION OF FREE CUSTOMERS[1]




**2,495** (+3.9% compared to 3Q21)
**Consumer Units served in 3Q22[3]**

**9.6%** (-1.0 p.p. compared to 3Q21)
**Market share ACL in 3Q22 (of total energy in Free Market)**

**35%**
**Participation of Free Clients out of total net operating revenue in 3Q22**

**42%**
**Participation of Free Clients out of total physical sales in 3Q22**

**191 thousand tCO2**
**CERs sold in 9M22**
**(Certified Emission Reduction)**

**1.7 thousand GWh**
**RECs sold in 9M22**
**(Renewable Energy Certificates)**

**Notes:**
[1] Net of trading operations.
[2] As from 1Q22, the number of free customers takes into account the total number of companies attended, the entire historical series having been adjusted accordingly.
[3] Considers consumers units with exiting agreements.



Jaguara Hydro Power Plant

# 03

# Expansion

# Wind Project Under Construction

## Santo Agostinho Wind Complex (Phase I)

**Overall physical progress reached 23%**
**Wind project made feasible in the Free Contracting Environment (ACL).**

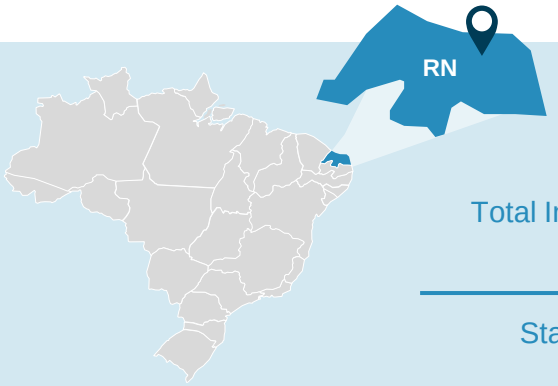
- Concluded the assembly of the collector substation and connection bay equipment as well as the transmission line;
- Commissioning of the first wind generators is scheduled for 4Q22;
- Logistical challenges along the supply chain have changed **the forecast of gradual entry into commercial operations to 1Q23.**



Arrival of wind tower



Conexion bay




**Lajes and Pedro Avelino (RN) -** Phase I

| | | |
|---|---|---|
| Total Installed Capacity: **434 MW** | Commercial Capacity (gross): **218 aMW** | Investment (R$ mm)[1]: **~R$ 2,300** |
| Start of construction: **2021** | Start of operation**:** **1Q23** | Nº of wind turbines: **70 (6.2 MW each)** |

**Note:**
[1] Value as of December 2020.

# Transmission Project Under Construction

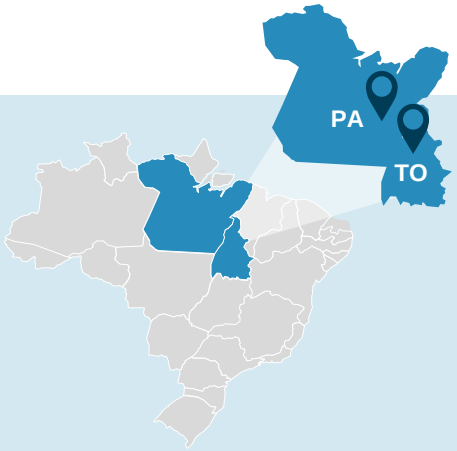
## Novo Estado Transmissora de Energia

**At the end of 3Q22, the total work progress was 95.7%.**

- Serra Pelada – Itacaiúnas and Serra Pelada – Miracema C1 and C2 transmission lines already in commercial operations accounting for 49% of the total RAP;
- In order to guarantee the quality, safety and execution required by the project, the company responsible for construction and assembly had to be replaced. Consequently, the expected entry into **commercial operation of the Xingu – Serra Pelada line has been amended to 1Q23**, when the project will reach total RAP.



Novo Estado Transmissora




Contracted RAP (R$ mm): **414.5**[1]

Around **1,800 km** of **500kV** transmission lines, crossing 22 municipalities

Estimated Capex[2]**:** **R$ 3.2 billion**

Deadline to start operation**:** **March/2023**

Concession period: **30 years**

**Substations:** 1 new substation of **500 Kv**

Expansion of **3 existing substations**

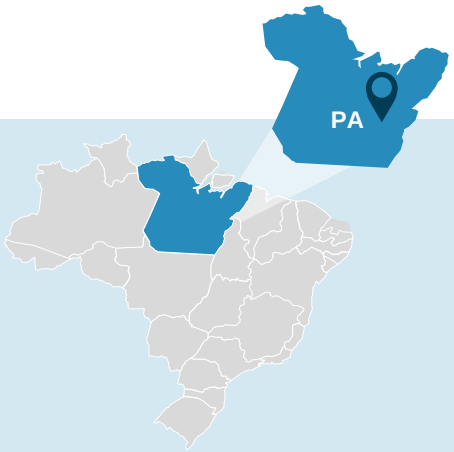
Notes:
[1] Value as of August 2022.
[2] Value as of December 2021, does not consider cost of acquisition.

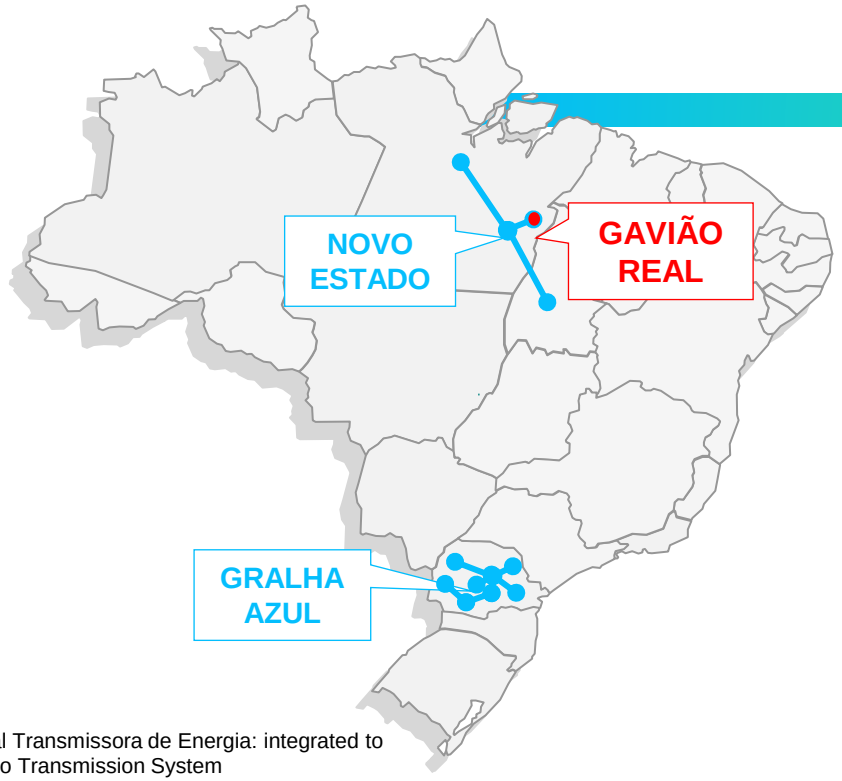
# Trasmission Project under implementation

## Gavião Real Transmissora de Energia

### Complementary to the Novo Estado Transmission System, capturing synergies.

- Outlook for a **reduction in the total investment** of approximately **30%**, with anticipation of at least 24 months in startup of commercial operations in relation to the estimated timeframe from Aneel, subject to updates;
- **Concession contract** signed in September;
- Main **contracts involving implementation** signed with the suppliers Weg (equipment) and Abengoa (construction).




Gavião Real Transmissora de Energia: integrated to Novo Estado Transmission System

Contracted RAP[1]
**R$ 6.5 million**

Capex Aneel[1]:
**R$ 110 million**

Deadline to start operation: **March/2026**

Concession period:
**30 years**

**Technical features:** Expansion of Itacaiúnas Substation, with the implementation of two 230/138kV transformers and a new 138 kV switchyard.

Note:
[1] Value as of June 2022.

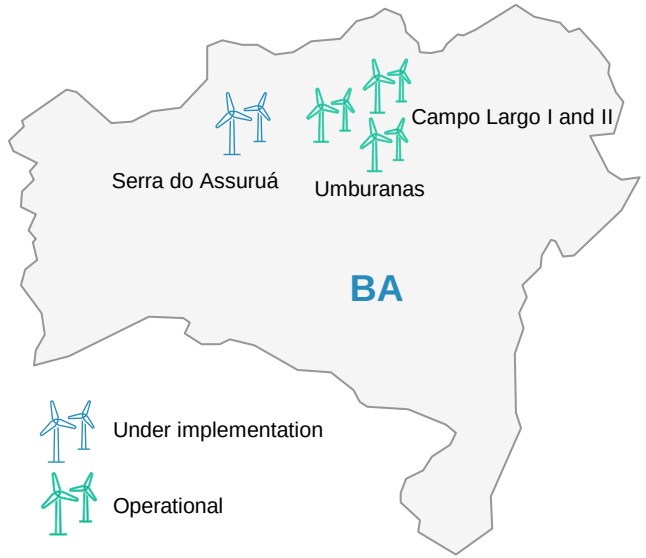
# Wind Project Under Implementation

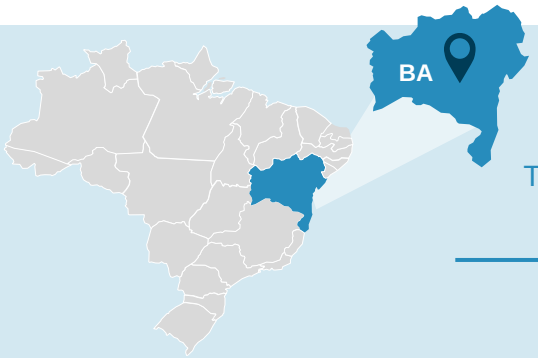
## Serra do Assuruá Wind Project

### Energy to be delivered to the Free Market, also eventually attending the Energy self-production market

- One of the ENGIE Group's largest projects to be implemented in a single phase;
- Access opinion and regulatory authorization issued, land use and grid hookup agreements signed;
- Signature of the wind turbine supply contract with Vestas do Brasil in September;
- Issuance of the environmental installation license expected for early 2023.

### Wind cluster – Bahia




**Gentio do Ouro (BA)**

| | | | |
|---|---|---|---|
| Total Installed Capacity : ~**846 MW** | Commercial Capacity (gross): ~**406 aMW** | **24 wind parks** in a single phase | Nº of wind turbines : **up to 188 (4.5 MW each)** |
| Start of construction: **2023** | Start of operation **:** **2H24 (gradual)** | Investment (R$ mm)[1]: **~R$ 6,000** | |

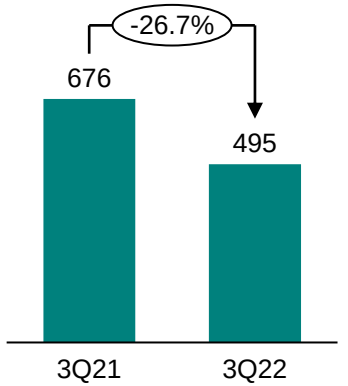
Note:
[1] Value as of May 2022.

# Expansion

## Jirau HPP | update

| aMW | MW | | |
|---|---|---|---|
| 2,212 | 3,750 | 50 | 75 |
| PHYSICAL GUARANTEE | INSTALLED CAPACITY | GENERATING UNITS | MW EACH |

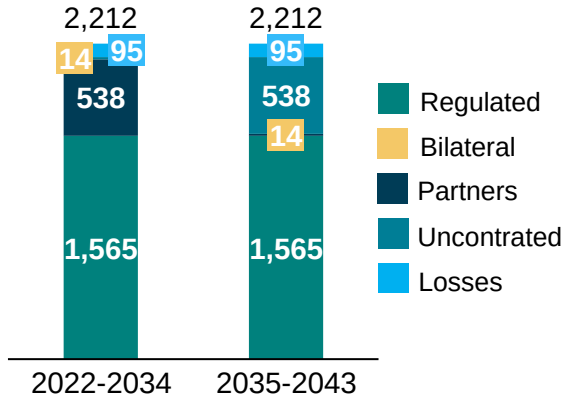
### PRODUCTION (average MW)[1]



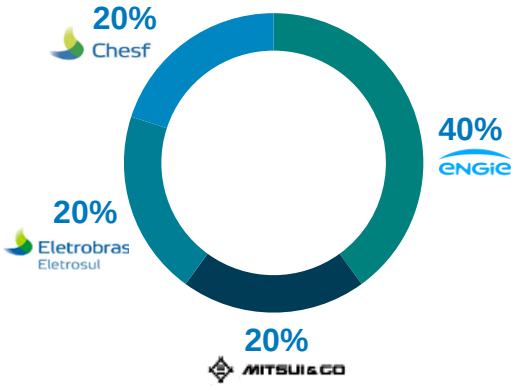

Uptime operating factor in 3Q22:

**99.1%[1]**

### PPA's PORTFOLIO (average MW)



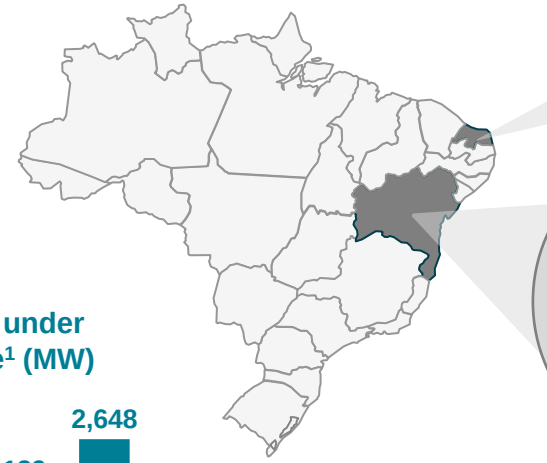

### SHAREHOLDING STRUCTURE




**Note:**
[1] Subject to final CCEE booking

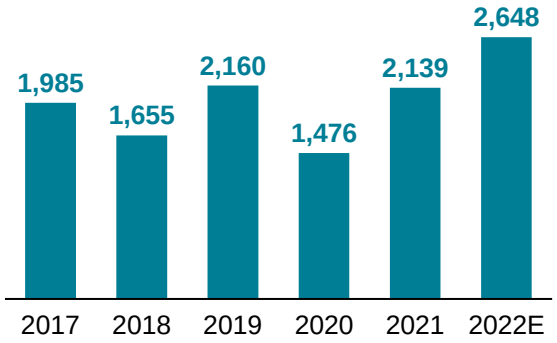
# Projects Under Development

ENGIE Brasil Energia has also a portfolio of assets under development.



| | | |
|---|---|---|
| Assú Photovoltaic Complex – RN | Installed Capacity: | ~870 MW |
| Santo Agostinho Wind Complex (Phase II) – RN | Installed Capacity: | 279 MW |
| Santo Agostinho Photovoltaic Complex – RN | Installed Capacity: | ~509 MW |
| Umburanas Wind Complex (Phase II) – BA | Installed Capacity: | 250 MW |
| Campo Largo Wind Complex (Phase III) – BA | Installed Capacity: | 250 MW |
| Campo Largo Photovoltaic Complex – BA | Installed Capacity: | ~400 MW |
| Alvorada Photovoltaic Complex - BA | Installed Capacity: | ~90 MW |

**Evolution of projects under development pipeline[1] (MW)**




**Note:**
[1] Based on December, 31 of every year.

~779 MW + ~1,869 MW = ~2,648 MW



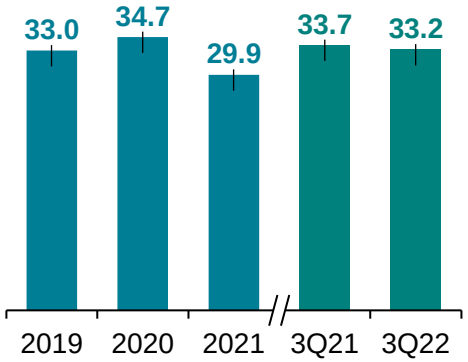

# 04

# Financial Performance

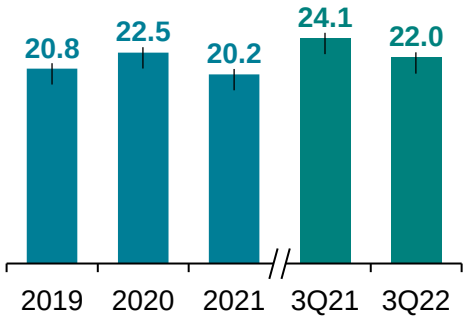
# Solid Financial Performance

Creation of shareholder value: financial discipline and efficient capital allocation.

### ROE[1] - ADJUSTED RETURN ON EQUITY (%)




### ROIC[2] – ADJUSTED RETURN ON INVESTED CAPITAL (%)




**Notes:** ENGIE Brasil Energia internal study based on the Company's Financial Statements.
[1] ROE: net income of the past 4 quarters / shareholders' equity. Adjusted ROE net of non-recurring.
[2] ROIC: effective tax rate x EBIT / invested capital (invested capital: debt – cash and cash equivalents – deposits earmarked for debt servicing + SE). Adjusted ROIC net of non-recurring.
[3] Nominal amount.
[4] Net of impairment.

## From 2016 – 2021[3]:

Investments amounted to: **~R$ 22.5 billion**, with **82%** leverage

**Proprietary installed capacity:**

- Total: **+17%**
- Renewable: **+34%**

Acquisition of **32.5%** stake in TAG

Entry into transmission: **~1,800 km** under construction

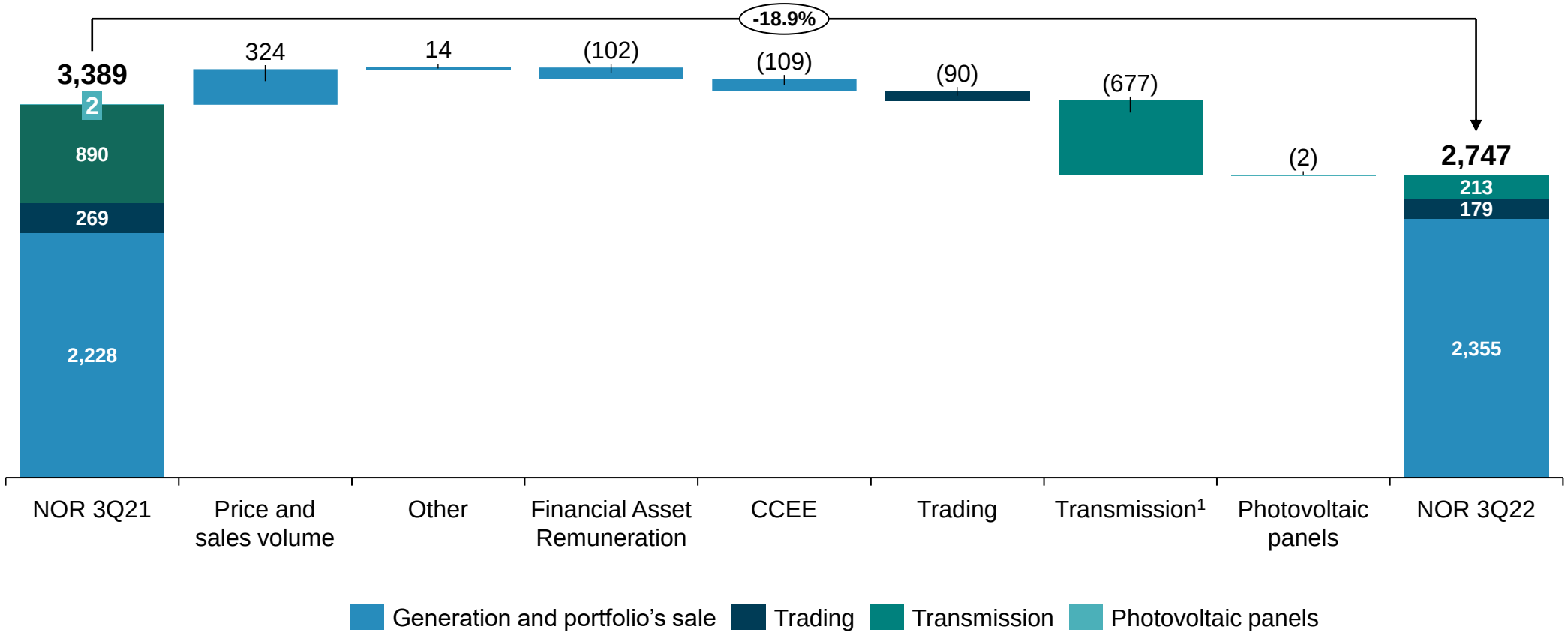
**909 Km** under operation

Adjusted Ebitda[4]: **+113%** Net income[4]: **+34%**

Dividends and IOC: **R$ 11.1 billion**

# Net Operating Revenue Change

## NET OPERATING REVENUE (R$ MILLION)



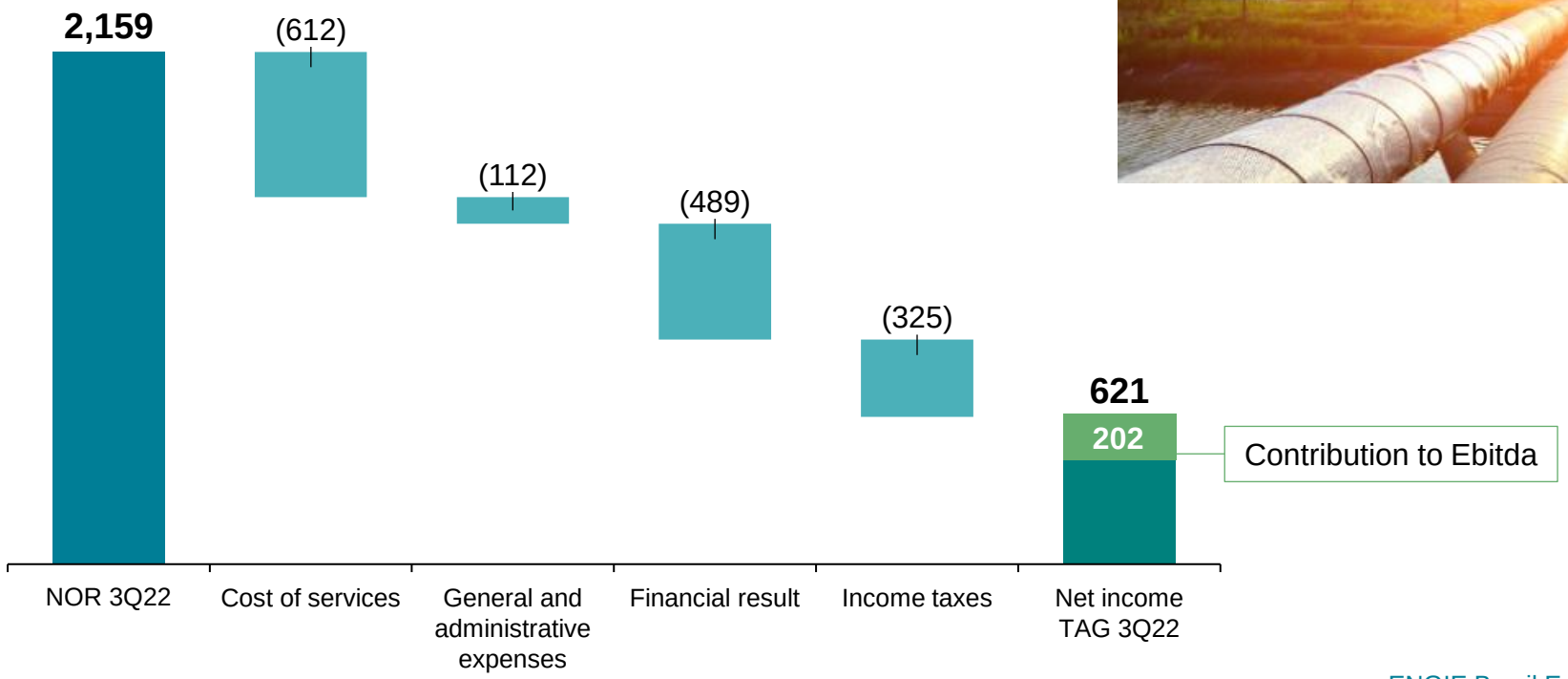

**Note:**
[1] Reduction in Capex between quarters comparison.

# Result of Equity Income

## Contribution of the Result from Transportadora Associada de Gás (TAG) to the EBITDA of the Company

Stake of 32.5% in TAG contributed with R$ 202 million via equity income to the Company's Ebitda in the 3Q22.

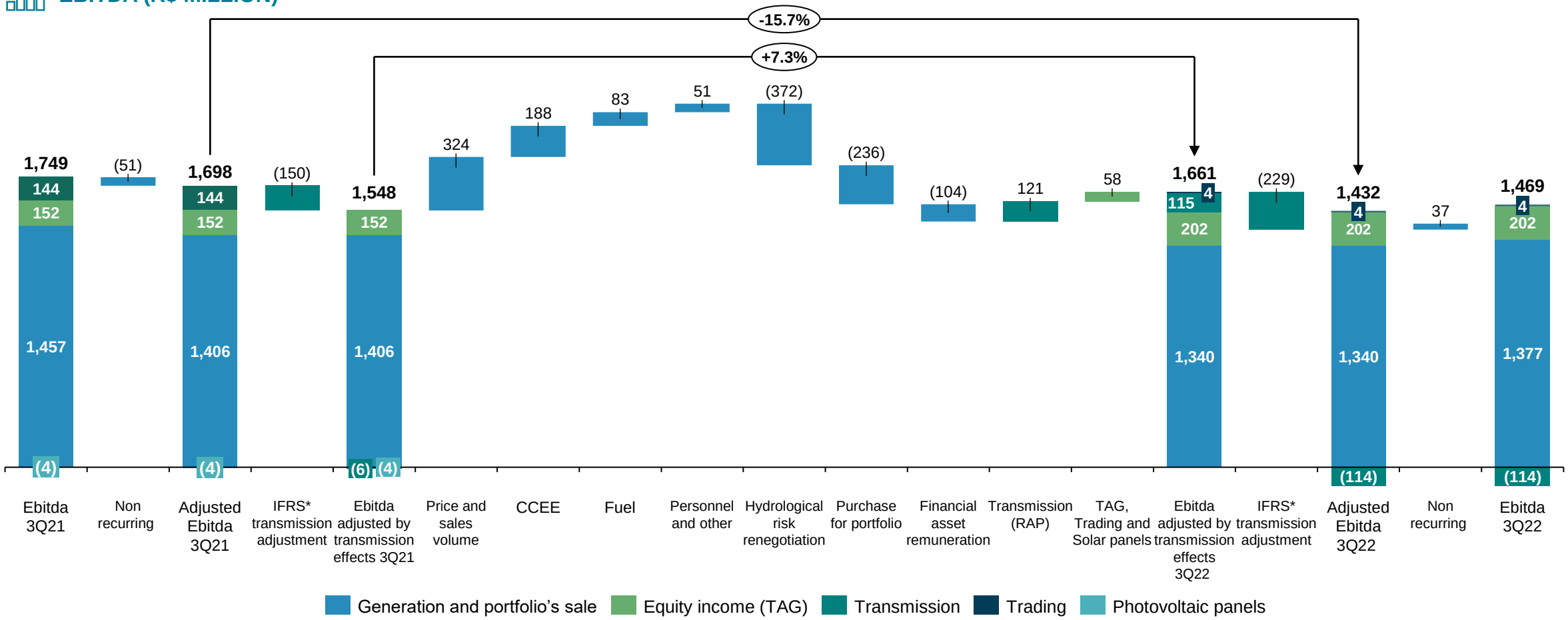
### INCOME STATEMENT TAG (R$ MILLION)






# Ebitda Change

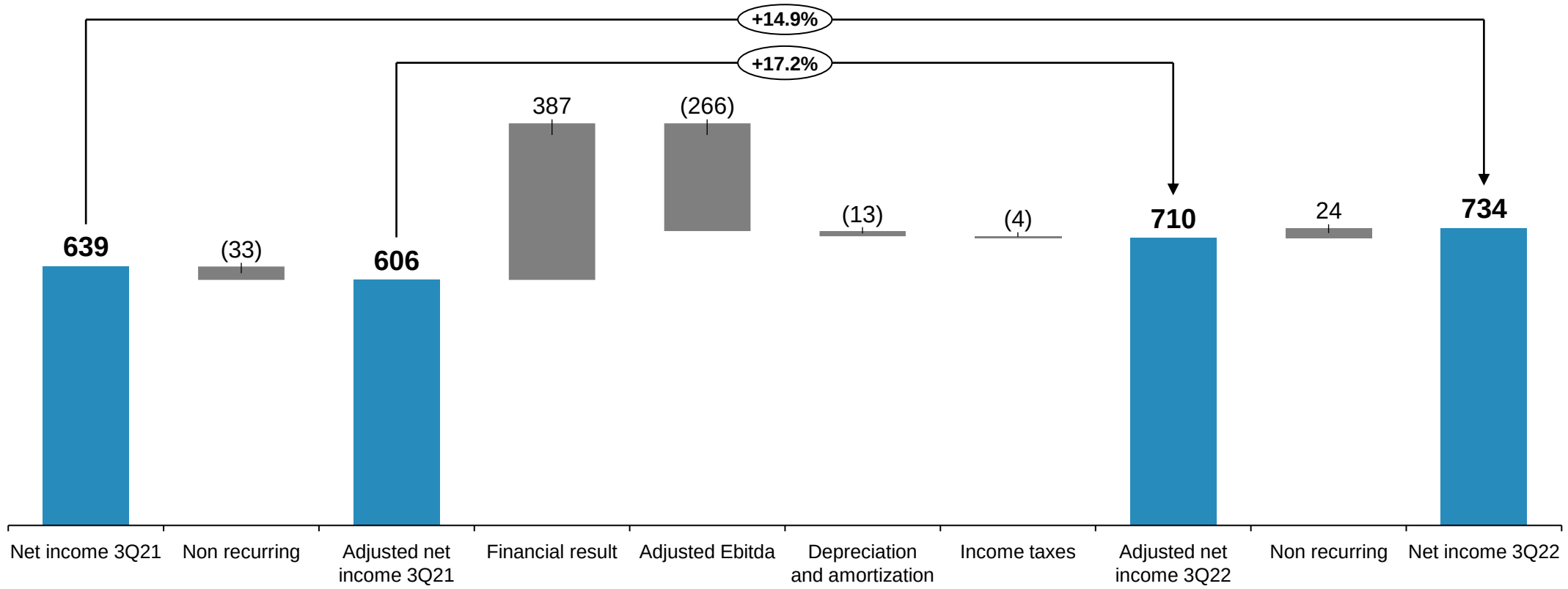
## EBITDA (R$ MILLION)




**Note:**
Adjusted Ebitda: net income + income tax and social contribution + financial result + depreciation and amortization + impairment + non-recurring.
*IFRS: International Financial Reporting Standards

# Net Income Change

## NET INCOME (R$ MILLION)

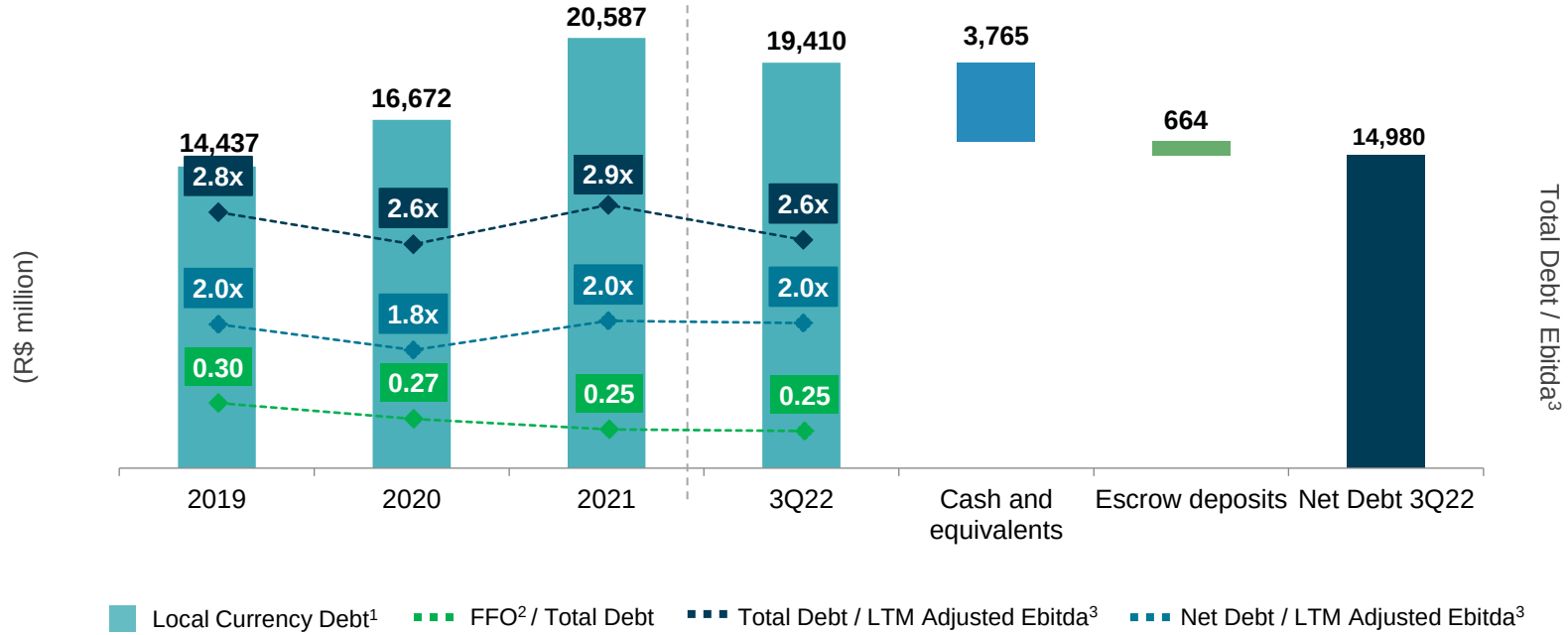


# Balanced Debt

## With no currency exposure

Debt control, active management of debt costs and sound investment decisions ensure low levels of the Net Debt/Ebitda ratio.

### DEBT OVERVIEW (R$ MILLION)





Umburanas Wind Complex

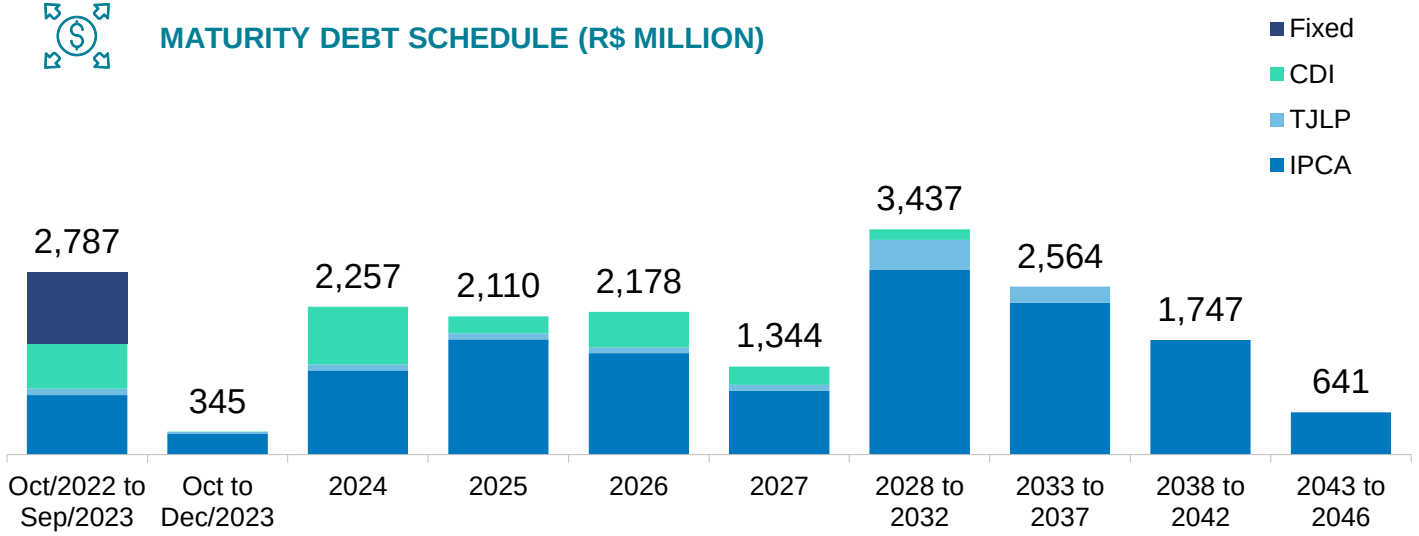
**Notes:**
[1] Gross debt, net of hedge operations.
[2] Funds from Operations, net from impact of the transmission lines (Contract Assets).
[3] Adjusted Ebitda in the past 12 months.

# Debt Profile and Composition

## Competitive costs and defensive indexes

AAA rating and robust cash generation translate into competitive costs of debt for financing growth.

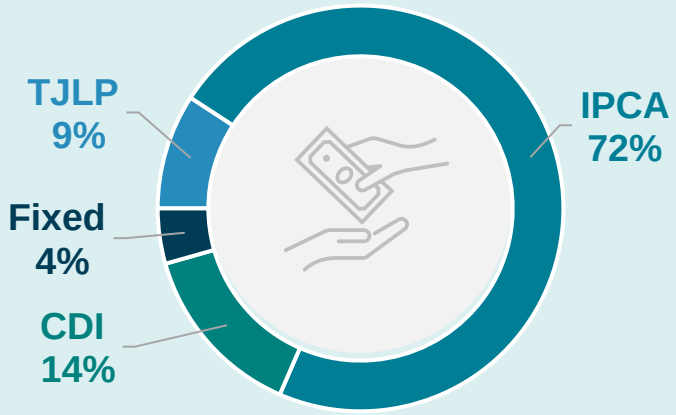
### MATURITY DEBT SCHEDULE (R$ MILLION)




Average debt term: 7.3 years

Indexation of energy sales contracts mitigates exposure of debt to IPCA.

### BREAKDOWN OF DEBT



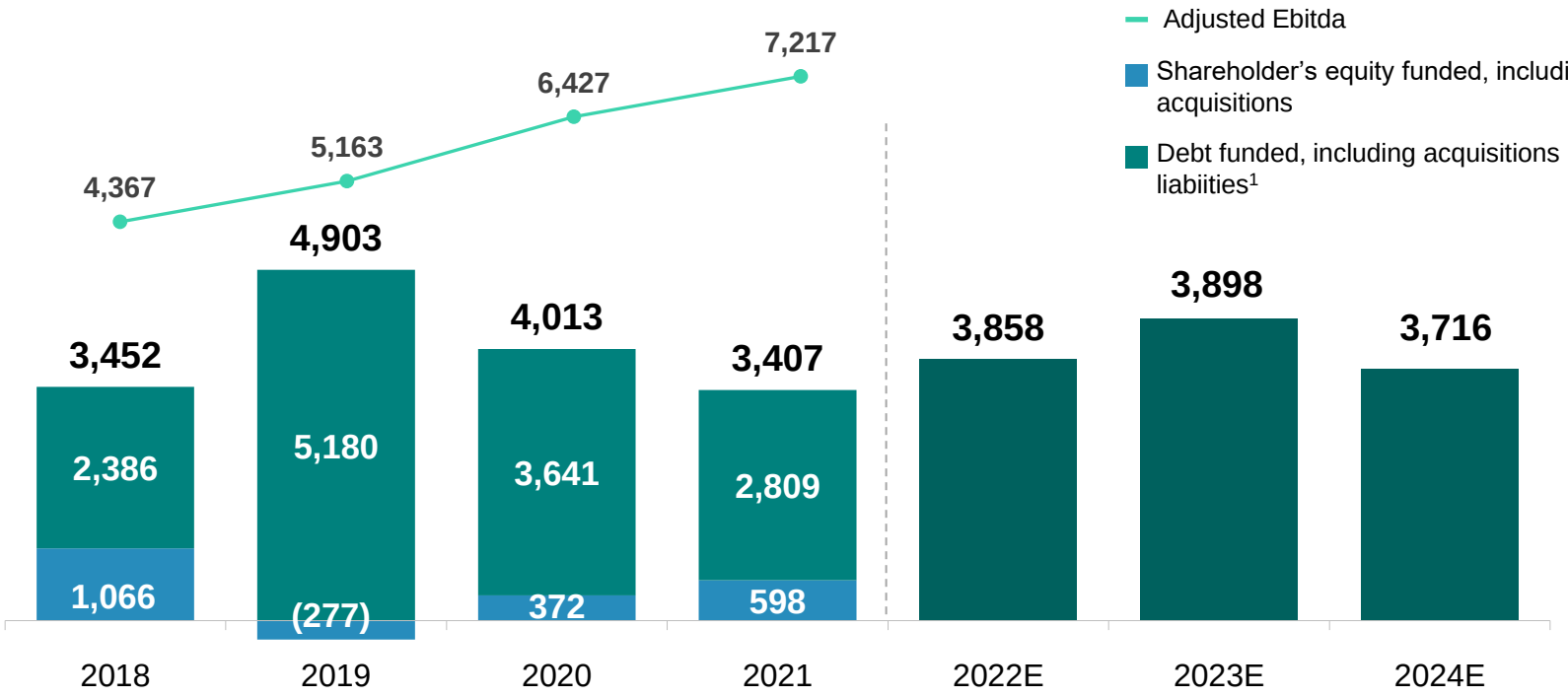

**Nominal cost of debt: 12.3% p.y.**
**(equivalent to IPCA + 4.8%)**

**(12.8% - equiv. to IPCA + 2.3% in 3Q21)**

# CAPEX

The expansion plan and maintenance CAPEX are supported by a strong cash flow generation and prudent funding strategy.

## ACCOMPLISHED/EXPECTED CAPEX AND CORRESPONDING FINANCING RESOURCES (R$ MILLION)





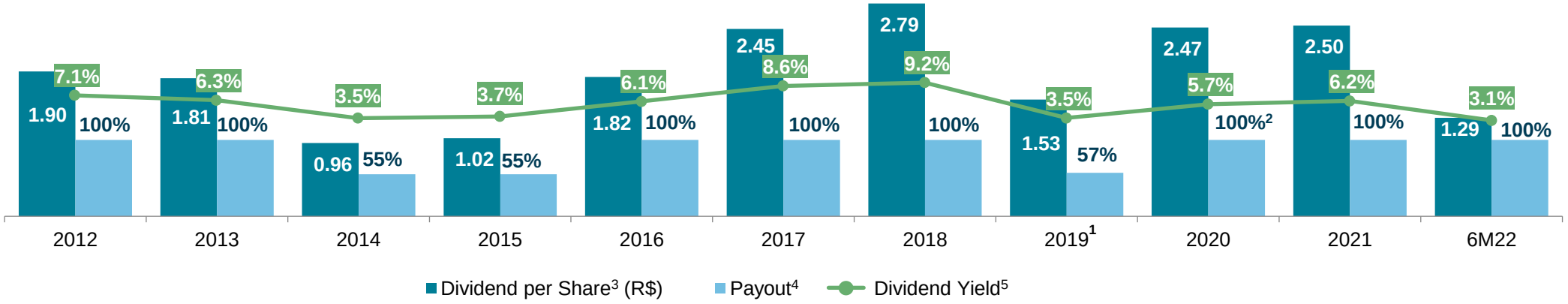

*Ponta Grossa Substation*

**Note:**
[1] Does not consider interests incurred during the construction.

# Dividend Policy

- By-law minimum payout: 30% of payable net income
- Management commitment: minimum payout of 55% of payable net income
- At least 2 dividends per year

## DIVIDENDS (BASED ON DISTRIBUTABLE NET INCOME)




**Notes:**
[1] Figures for 2019 were resubmitted in the light of the AGM's decision on the retention of interim dividends for fiscal year 2019.
[2] Payout equivalent to 100% of the distributable adjusted net income (ex-hydrological risk negotiation).
[3] For the purposes of comparability between fiscal years, an adjustment in dividend per share was made in the light of the share bonus approved on December 07, 2018.
[4] Considers the annual adjusted net income.
[5] Based on volume-weighted closing price of ON shares in the period.



Assú V Photovoltaic Complex

05

# Supporting Data

# Main Financial and Operational Indexes

| Consolidated (In millions of R$) | 3Q22 | 3Q21 | Chg. | 9M22 | 9M21 | Chg. |
|---|---|---|---|---|---|---|
| Net Operating Revenue (NOR) | 2,747 | 3,389 | **-18.9%** | 8,805 | 9,772 | **-9.9%** |
| Results from Operations (EBIT) | 1,216 | 1,509 | **-19.4%** | 4,314 | 4,148 | **4.0%** |
| Ebitda [1] | 1,469 | 1,749 | **-16.0%** | 5,076 | 4,857 | **4.5%** |
| Adjusted Ebitda [2] | 1,432 | 1,698 | **-15.7%** | 5,206 | 4,969 | **4.8%** |
| Non-recurrent effects adjusted Ebitda [3] | 1,661 | 1,548 | **7.3%** | 5,039 | 4,503 | **11.9%** |
| Ebitda / NOR - (%) [1] | 53.5 | 51.6 | **1.9 p.p.** | 57.6 | 49.7 | **7.9 p.p.** |
| Adjusted Ebitda / NOR - (%) [2] | 52.1 | 50.1 | **2.0 p.p.** | 59.1 | 50.9 | **8.2 p.p.** |
| Net Income | 734 | 639 | **14.9%** | 1,774 | 1,487 | **19.3%** |
| Adjusted Net Income | 710 | 606 | **17.2%** | 1,860 | 1,561 | **19.2%** |
| Adjusted Return on Equity (ROE) [4] | 33.2 | 33.7 | **-0.5 p.p.** | 33.2 | 33.7 | **-0.5 p.p.** |
| Adjusted Return on Invested Capital (ROIC) [5] | 22.0 | 24.1 | **-2.1 p.p.** | 22.0 | 24.1 | **-2.1 p.p.** |
| Net Debt [6] | 14,980 | 14,173 | **5.7%** | 14,980 | 14,173 | **5.7%** |
| Gross Power Production (avg MW) [7] | 6,250 | 4,882 | **28.0%** | 4,764 | 3,945 | **20.8%** |
| Energy Sold (avg MW) [8] | 4,278 | 3,914 | **9.3%** | 4,288 | 4,057 | **5.7%** |
| Average Net Sales Price (R$/MWh) [9] | 224.80 | 208.16 | **8.0%** | 223.76 | 206.19 | **8.5%** |
| Number of Employees - Total | 1,253 | 1,577 | **-20.5%** | 1,253 | 1,577 | **-20.5%** |
| EBE Employees | 1,185 | 1,461 | **-18.9%** | 1,185 | 1,461 | **-18.9%** |
| Employees on Under Construction Plants | 68 | 116 | **-41.4%** | 68 | 116 | **-41.4%** |

**Notes:**

[1] Ebitda represents: net income + income tax and social contribution + financial result + depreciation and amortization.

[2] Adjusted Ebitda represents: net income + income tax and social contribution + financial results + depreciation and amortization + impairment + non-recurrents.

[3] Adjusted Ebitda, less the effects of IFRS in the transmission segment.

[4] ROE: adjusted net income of the past 4 quarters/shareholders' equity.

[5] ROIC: effective tax rate x adjusted EBIT / invested capital (invested capital: debt – cash and cash equivalents – deposits earmarked for debt servicing + SE).

[6] Adjusted amount, net of gains from hedge operations.

[7] Total electricity output from the plants operated by ENGIE Brasil Energia.

[8] Disregarding sales for quotas regime (Jaguara and Miranda HPPs).

[9] Net of taxes, exports and trading operations.

# Diversified Portfolio of Assets

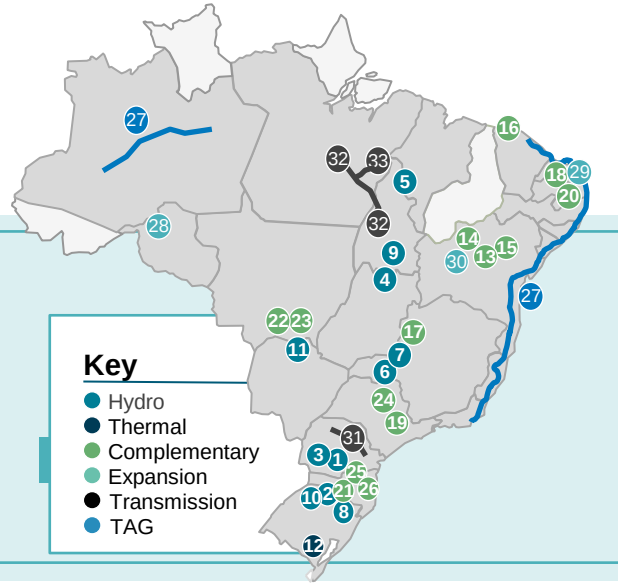
| | Hydro Power Plants | Installed Capacity (MW) | Commercial Capacity (aMW) |
|---|---|---|---|
| 1 | Salto Santiago | 1,420.0 | 733.3 |
| 2 | Itá | 1,126.9[1] | 564.7[1] |
| 3 | Salto Osório | 1,090.4 | 502.6 |
| 4 | Cana Brava | 450.0 | 260.8 |
| 5 | Estreito | 435.6[1] | 256.9[1] |
| 6 | Jaguara | 424.0 | 341.0 |
| 7 | Miranda | 408.0 | 198.2 |
| 8 | Machadinho | 403.9[1] | 165.3[1] |
| 9 | São Salvador | 243.2 | 148.2 |
| 10 | Passo Fundo | 226.0 | 113.1 |
| 11 | Ponte de Pedra | 176.1 | 133.6 |
| | **Total** | **6,404.1** | **3,417.7** |

| | Thermal Power Plant | Installed Capacity (MW) | Commercial Capacity (aMW) |
|---|---|---|---|
| 12 | Pampa Sul[2] | 345.0 | 323.5 |
| | **Total** | **345.0** | **323.5** |

| | Complementary P. Plants | Installed Capacity (MW) | Commercial Capacity (aMW) |
|---|---|---|---|
| 13 | Campo Largo II Complex (Wind) | 361.2 | 192.5 |
| 14 | Umburanas Complex (Wind) | 360.0 | 213.3 |
| 15 | Campo Largo I Complex (Wind) | 326.7 | 166.5 |
| 16 | Trairi Complex(Wind) | 212.6 | 97.2 |
| 17 | Paracatu (Solar) | 132.0 | 34.0 |
| 18 | Floresta (Solar) | 86.0 | 25.1 |
| 19 | Ferrari (Biomass) | 80.5 | 35.6 |
| 20 | Assú V (Solar) | 34.0 | 9.2 |
| 21 | Lages (Biomass) | 28.0 | 1.8 |
| 22 | Rondonópolis (SHP) | 26.6 | 14.0 |
| 23 | José G. da Rocha (SHP) | 24.4 | 11.9 |
| 24 | Ibitiúva (Biomass) | 22.9[1] | 13.6[1] |
| 25 | Nova Aurora (Solar) | 3.0 | 0.3 |
| 26 | Tubarão (Wind) | 6.3 | 0.3 |
| | **Total** | **1,704.2** | **815.3** |

Installed capacity of **8,453 MW (4,556 aMW)**, **+1,280 MW** of wind energy and **~1,800 Km** of transmission lines under implementation.

**909 Km** of transmission lines and **4,500 Km** of operating pipelines




| | Gas Pipelines | Size | Compression Stations |
|---|---|---|---|
| 27 | Transportadora Associada de Gás (TAG) | 4,500 Km | 11 |

**Expansion**

| | Generation | Installed Capacity (MW) | Commercial Capacity (MWm) |
|---|---|---|---|
| 28 | Jirau (Hydro)[3] | 1,500.0 | 884.6 |
| 29 | Santo Agostinho Complex I (Wind) | 434.0 | 218.0 |
| 30 | Serra do Assuruá Complex (Wind) | 846.0 | 406.0 |
| | **Total** | **2,780.0** | **1,508.6** |

| | Transmission | Size | Substations |
|---|---|---|---|
| 31 | Gralha Azul – operational | ~ 909 km | 5 |
| 32 | Novo Estado – under implementation | ~ 1,800 km | 1 new and expansion of 3 existing |
| 33 | Gavião Real (Pará) – under implementation | ~1 Km | Expansion of 1 existing |
| | **Total** | **~ 2,710 km** | |

**Notes:**
[1] Portion owned by ENGIE Brasil Energia.
[2] The asset awaits the closing of the sale operation and authorization by Aneel for the transfer.
[3] The transfer of the 40% stake of ENGIE Brasil Part. in Jirau HPP to the Company should be examined timely.

# Transportadora Associada de Gás – TAG

## Contracts breakdown and indebtedness

Fully contracted in the regulated market for a weighted average term of approximately 8 years. Financing structure with competitive cost and protected from exchange variation - Rating AAA by Fitch Ratings and Moody's.

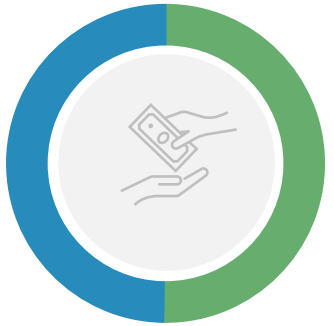
### BREAKDOWN OF LEGACY CONTRACTS WITH PETROBRAS

| Gas Pipelines | Size (km) | Agreement Maturity[1] | Contracted Volumes (MM m³/day) | % of Net Operating Revenue[2] | Readjustment index |
|---|---|---|---|---|---|
| Gasene | 1,400 | Nov-2033 | 30.3 | 40.0% | 46% Basket IGP[4]; 54% US PPI |
| Malha NE | 2,000 | Dec-2025 | 21.6 | 23.8% | IGP-M |
| Pilar-Ipojuca | 200 | Nov-2031 | 15.0 | 6.5% | IGP-M |
| Urucu-Coari-Manaus | 800 | Nov-2030 | 6.7 | 29.4% | 50% IGP-M; 50% IPCA |
| Lagoa Parda Vitória[3] | 100 | Dec-2022 | 0.7 | 0.3% | IGP-M |
| **Total** | **~4,500** | | **74.3** | **100.0%** | |

**Notes:**
[1] Following the expiry of the agreements, an estimated five-year tariff revision cycle will be triggered, which will decide the revised maximum permitted revenue flow (RAP).
[2] Variations in revenue representativeness between GTAs may occur.
[3] Billing beginning on Jan 01, 2022.
[4] 1/3 IGP-M; 1/3 IPA-DI; 1/3 IGP-DI.

### DEBT PROFILE – TAG (as of September 30, 2022)

**11.1 billion**
Domestic market



**11.2 billion**
Foreign market

Domestic market: ~CDI + 1.80% p.y., with semi-annual amortizations and maturing in June 2026.

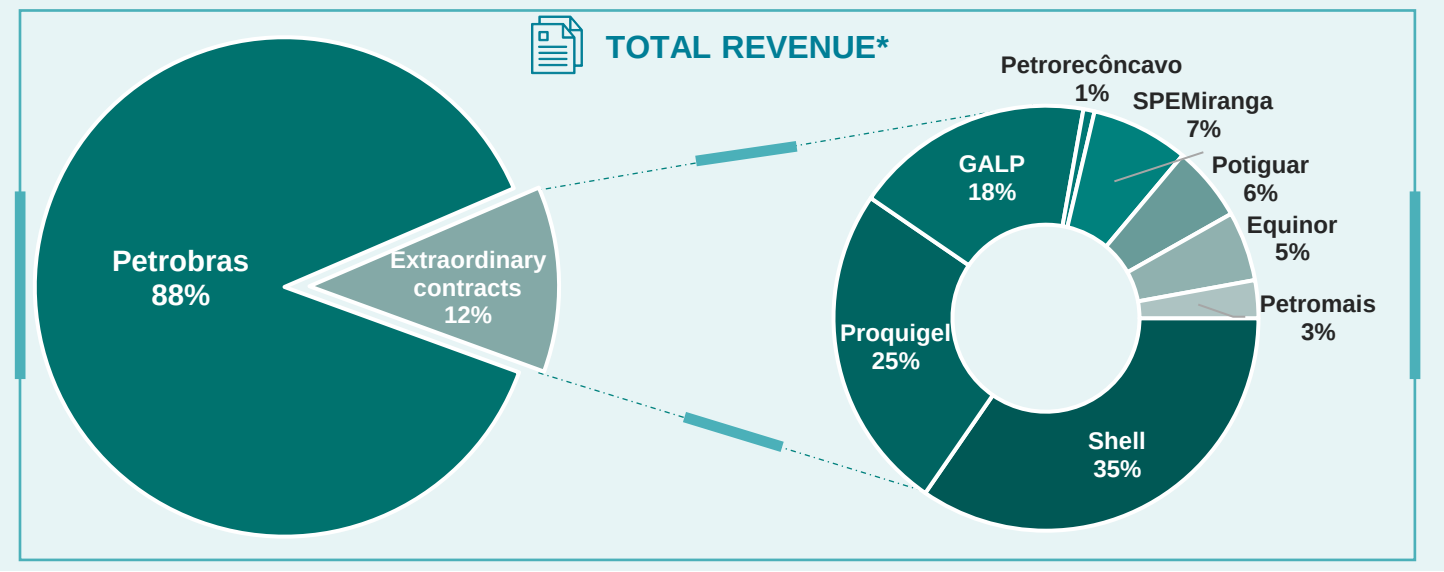
Foreign market[2]: Libor[3] + initial spread between 2.3% and 3.6% with semi-annual amortizations and maturing June 2027.

**Notes:**
[1] The presented values do not consider the debt swaps.
[2] The portion of the debt denominated in foreign currency was converter by Ptax of R$ 5.4066 as of September 30, 2022 and is linked to US Dollar sales under part of the Gasene agreement, thus being a symmetry between revenue and debt servicing.
[3] 100% of the interest flow indexed to Libor is locked through swap operations (Libor x flat rate). Ongoing negotiations with creditors for transition Libor to SOFR.

# Transportadora Associada de Gás – TAG

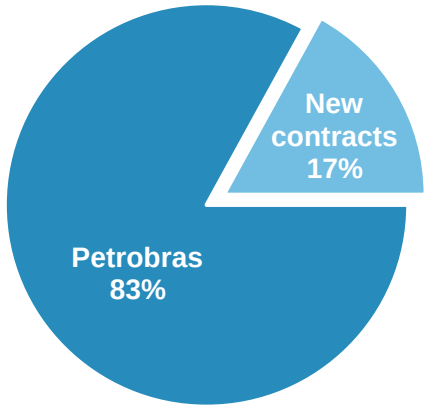
## Protagonism for the liberalization of the gas market: access of important players to the transport network

- Use of **POC – Capacity Offer Platform**, in partnership with TBG and NTS – for the negotiation of online transportation capacity;
- **More than 50 new extraordinary** agreements signed during the year, lasting until December 2022;
- **12.2 million m³** of transport capacity contracted (aprox. 17% of the integrated network revenue);
- **13** clients in addition to Petrobras, from 9 different economic groups;
- **Flexibility of the timetable** for new transport capacity offers, with weekly entry windows and start of the offer of interruptible contracts;
- Signature of **gas purchase and sale contracts**, acquisition of gas packaging and gas for use in the system, generating greater dynamism to the market.




* Revenues from extraordinary contracts are deducted from the invoicing of legacy contracts with Petrobras.

### INTEGRATED NETWORK REVENUE (EX – URUCU-COARI-MANAUS)



# Energy Balance as of September 30, 2022

## Diversified contracting with duration of about 16 years in ACR and 3 years in ACL[1]

| (in average MW) | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | Auction **Gross** Price (R$/MWh) | Reference Date | **Gross** Price Adjusted (R$/MWh) | **Net** Price of PIS/COFINS/P&D (R$/MWh) |
|---|---|---|---|---|---|---|---|---|---|---|
| Own Resources | 4,371 | 4,293 | 4,389 | 4,682 | 4,691 | 4,691 | | | | |
| + Purchases for Resale | 1,545 | 1,115 | 809 | 337 | 291 | 284 | | | | |
| **= Total Resources (A)** | **5,916** | **5,408** | **5,198** | **5,019** | **4,982** | **4,975** | | | | |
| Government Auction Sales[2] | 2,057 | 1,922 | 1,771 | 1,758 | 1,748 | 1,739 | | | | |
| 2005-NE-2010-30 | 200 | 200 | 200 | 200 | 200 | 200 | 115.1 | Dec-05 | 287.1 | 257.9 |
| 2006-NE-2009-30 | 493 | 493 | 493 | 493 | 493 | 493 | 128.4 | Jun-06 | 315.0 | 283.0 |
| 2006-NE-2011-30 | 148 | 148 | 148 | 148 | 148 | 148 | 135.0 | Nov-06 | 328.9 | 295.5 |
| 2007-NE-2012-30 | 256 | 256 | 256 | 256 | 256 | 256 | 126.6 | Oct-07 | 295.1 | 265.2 |
| Proinfa | 19 | 19 | 19 | 19 | 19 | 10 | 147.8 | Jun-04 | 463.2 | 446.3 |
| 1st Reserve Energy Auction | 14 | 14 | 14 | 2 | - | - | 158.1 | Aug-08 | 344.3 | 331.7 |
| Auction Mix (New Energy / Reserve) | 14 | 14 | 9 | 8 | - | - | - | - | 345.0 | 332.4 |
| 2014-NE-2019-25[6] | 295 | 146 | - | - | - | - | 183.5 | Mar-14 | 278.7 | 250.4 |
| 2014-NE-2019-25 | 10 | 10 | 10 | 10 | 10 | 10 | 206.2 | Nov-14 | 312.4 | 301.0 |
| 2014-NE-2019-20 | 82 | 82 | 82 | 82 | 82 | 82 | 139.3 | Nov-14 | 211.6 | 192.1 |
| 2015-NE-2018-20 | 46 | 46 | 46 | 46 | 46 | 46 | 188.5 | Aug-15 | 265.3 | 240.8 |
| 8th Reserve Energy Auction (Assú V/Floresta/Paracatu) | 54 | 68 | 68 | 68 | 68 | 68 | 296.7 | Nov-15 | 401.3 | 364.2 |
| 2017-EN-2019-20 | 48 | 48 | 48 | 48 | 48 | 48 | 136.4 | Nov-14 | 212.0 | 192.4 |
| Government Auction - Quotas regime | | | | | | | | | | |
| 2018 - Quotas (UHJA) - 2018-30 | 239 | 239 | 239 | 239 | 239 | 239 | - | Jul-17 | 181.7 | 173.3 |
| 2018 - Quotas (UHMI) - 2018-30 | 139 | 139 | 139 | 139 | 139 | 139 | - | Jul-17 | 209.5 | 199.8 |
| + Bilateral Sales | 3,220 | 2,799 | 2,396 | 1,826 | 1,324 | 787 | | | | |
| **= Total Sales (B)** | **5,277** | **4,721** | **4,167** | **3,584** | **3,072** | **2,526** | | | | |
| **Balance (A - B)** | **639** | **687** | **1,031** | **1,435** | **1,910** | **2,449** | | | | |
| Sales Average Price (R$/MWh) **(net)**[3,4]: | 215.6 | 227.2 | 223.0 | | | | | | | |
| Purchases Average Price (R$/MWh) **(net)**[5]: | 187.5 | 180.8 | 162.5 | | | | | | | |

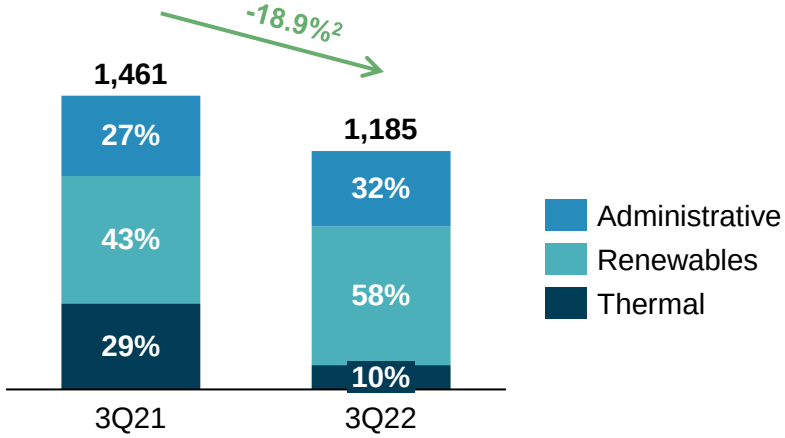
[2] XXXX-YY-WWWW-ZZ, where:
XXXX -> year of auction
YY -> EE = existing energy or NE = new energy
WWWW -> year of delivery start
ZZ -> supply contract duration (in years)

[1] Average term weighted by the amount of energy sold, including trading operations.
[3] Sales price, including trading operations, net of ICMS and taxes over revenue (PIS/Cofins, R&D), i.e. future inflation is not being considered.
[4] Disregarding sales for quotas regime (Jaguara and Miranda HPPs).
[5] Purchase net price, considering trading operations and benefits from PIS/Cofins credits, i.e. future inflation is not being considered.
[6] Considers the closing of the sale of the Pampa Sul Thermoelectric Power Plant in July 2023.

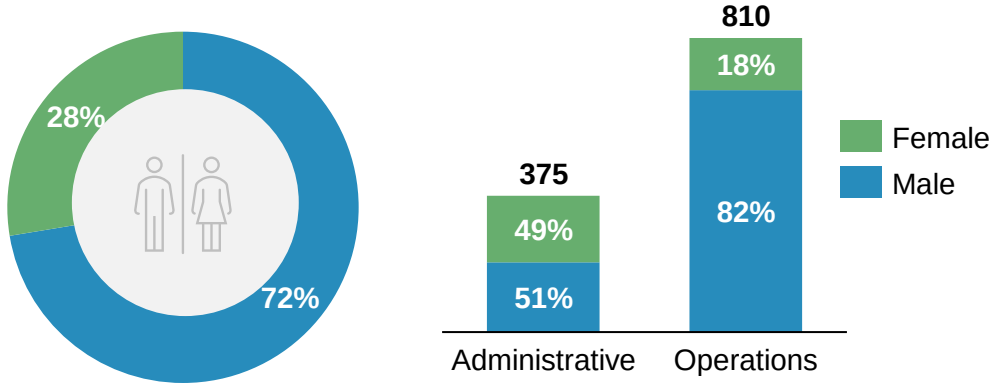
**Notes:**
- The balance refers to the settlement point (net of losses and internal consumption of the plants).
- The average prices are considered simply estimates and are based on financial planning revisions, not capturing volume changes, which are updated quarterly.

# Headcount[1]

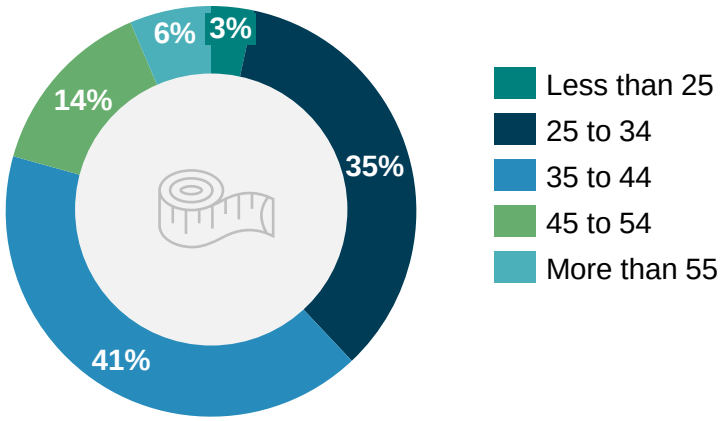
## NUMBER OF EMPLOYEES



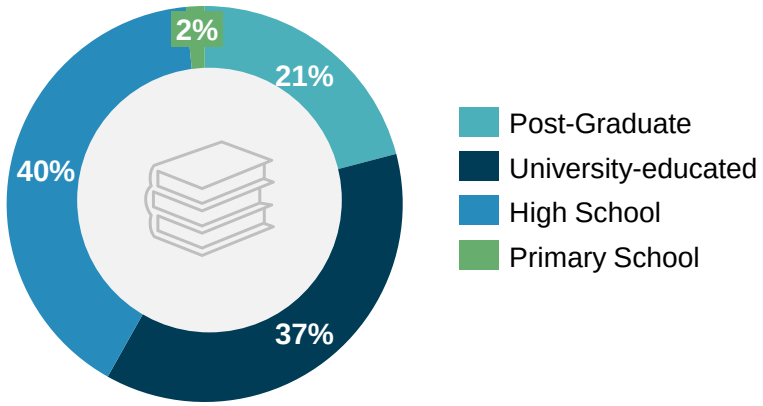

## BY GENDER




## BY AGE GROUP




## BY ACADEMIC QUALIFICATIONS




**Notes:**
[1] Does not consider employees posted to projects under construction.
[2] Considering sales of Jorge Lacerda Thermoelectric Power Plant and ENGIE Geração Solar Distribuída.

# Sustainability KPIs[1]

| Item | Dimension[2] | Index | Material themes | GRI disclosure[3] | 3Q22 | 3Q21 | Change | 9M22 | 9M21 | Change |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Quality | Operating plants | - Prioritization of renewable sources for energy generation<br>- Emissions Management | 102-7, EU1 | 76 | 71 | 5 | 76 | 71 | 5 |
| 2 | | Installed operated capacity | | 102-7, EU1 | 10,174 | 10,796 | -5.8% | 10,174 | 10,796 | -5.8% |
| 3 | | Installed proprietary capacity | | 102-7, EU1 | 8,454 | 9,076 | -6.9% | 8,454 | 9,076 | -6.9% |
| 4 | | Number of certified plants | | 102-16, EU6 | 11 | 12 | -1 | 11 | 12 | -1 |
| 5 | | Certified operated capacity (MW) | | 102-16, EU6 | 8,115 | 8,127 | -0.1% | 8,115 | 8,127 | -0.1% |
| 6 | | Certified operated capacity in relation to the total | | 102-16, EU6 | 79.8% | 75.3% | 4.5 p.p. | 79.8% | 75.3% | 4.5 p.p. |
| 7 | | Operated capacity from renewable sources | | 102-7, EU1 | 9,829 | 9,594 | 2.4% | 9,829 | 9,594 | 2.4% |
| 8 | | Operated capacity from renewable sources in relation to the total | | 102-7, EU1 | 96.6% | 88.9% | 7.7 p.p. | 96.6% | 88.9% | 7.7 p.p. |
| 9 | | Energy generation (GWh) | | EU2 | 13,799 | 12,056 | 14.5% | 31,217 | 29,238 | 6.8% |
| 10 | | Certified energy generation | | 102-16, EU6 | 11,382 | 9,150 | 24.4% | 25,671 | 21,853 | 17.5% |
| 11 | | Certified energy generation in relation to the total | | 102-16, EU6 | 82.5% | 75.9% | 6.6 p.p. | 82.2% | 74.7% | 7.5 p.p. |
| 12 | | Energy generation from renewable sources (GWh) | | EU2 | 13,492 | 10,514 | 28.3% | 30,484 | 24,523 | 24.3% |
| 13 | | Energy generation from renewable sources in relation to the total | | EU2 | 97.8% | 87.2% | 10.6 p.p. | 97.7% | 83.9% | 13.8 p.p. |
| 14 | | Global uptime ratio | | EU30 | 92.5% | 89.9% | 2.6 p.p. | 91.7% | 89.1% | 2.6 p.p. |
| 15 | Environment and climate change* | Saplings donated and planted (sum-total of planted and donated saplings) | - Emissions Management<br>- Boost of prosperity on local communities<br>- Water and effluents<br>- Biodiversity | 304-2, 413-1 | 55,826 | 147,427 | -62.1% | 165,937 | 328,982 | -49.6% |
| 16 | | Number of visitors at the plants and environmental education | | 413-1 | 43,789 | 34,471 | 27.0% | 117,642 | 95,425 | 23.3% |
| 17 | | Water imput (megaliters)[4] | | 303-3 | 1,748 | 158,860 | -98.9% | 4,025 | 455,449 | -99.1% |
| 18 | | Water consumption (megaliters)[4] | | 303-5 | 1,073 | 1,846 | -41.8% | 2,798 | 5,958 | -53.0% |
| 19 | | Total emissions $tCO_2e$[4] | | D305-1, D305-2, D305-3 | 308,219 | 1,613,311 | -80.9% | 732,364 | 4,902,299 | -85.1% |
| 20 | | $CO_2$ emissions intensity (fossil fuel plants) (kg/MWh)[4] | | D305-1, D305-2, D305-3 | 1.10 | 0.62 | 77.4% | 1.09 | 0.87 | 25.3% |
| 21 | | $CO_2$ emissions intensity (Generation complex) (kg/MWh)[4] | | D305-1, D305-2, D305-3 | 0.03 | 0.12 | -76.5% | 0.03 | 0.16 | -81.3% |
| 22 | Occupatio-nal Heath and Safety (OH&S) | Total employees | - Teams and community safety<br>- Foster good social and environmental practices between suppliers and customers. | 102-8 | 1,185 | 1,461 | -18.9% | 1,185 | 1,461 | -18.9% |
| 23 | | Women in the workforce | | 405-1 | 27.59% | 21.42% | 6.2 p.p. | 27.59% | 21.42% | 6.2 p.p. |
| 24 | | Frequency Rate (FR) operation and maintenance[5] | | 403-2 | 0.721 | 0.000 | ▲ | 1.257 | 0.168 | ▲ |
| 25 | | Severity Rate (SR) own employees[6] | | 403-2 | 0.000 | 0.000 | - | 0.000 | 0.000 | - |
| 26 | | Frequency Rate (FR) construction[5] | | 403-2 | 1.227 | 3.230 | ▼ | 1.060 | 1.601 | ▼ |
| 27 | | Managerial Safety Visits - VGS[7] | | 403-2 | 152 | 346 | Not Aplic. | 401 | 1,257 | Not Aplic. |
| 28 | | Registry of Risky and Near Accident Situation[7] | | 403-2 | 726 | 1,102 | Not Aplic. | 2124 | 4,104 | Not Aplic. |
| 29 | Social Responsibi-lity[8] | Non-incentivized investments | - Generation of economic result and value sharing with society<br>- Boost of prosperity on local communities | 203-2, 413-1 | 664.4 | 516.9 | 28.5% | 2,634.6 | 4,209.6 | -37.4% |
| 30 | | Investments through the Infancy and Adolescence Fund (FIA) | | 203-2, 413-1 | 390.2 | 186.0 | 109.8% | 640.2 | 650.0 | -1.5% |
| 31 | | Investments through the Culture Incentive Law (Rouanet) | | 203-2, 413-1 | 2,440.0 | 780.0 | 212.8% | 4,562.2 | 3,016.0 | 51.3% |
| 32 | | Investments through the Sport Incentive Law | | 203-2, 413-1 | 106.0 | 0.0 | - | 106.0 | 287.4 | -63.1% |
| 33 | | Investments through National Program of Support to Oncology Care (Pronon) | | 203-2, 413-1 | 0.0 | 0.0 | - | 0.0 | 0.0 | - |
| 34 | | Investments through the National Care Support Program for People with Special Needs (Pronas/PCD) | | 203-2, 413-1 | 0.0 | 0.0 | - | 0.0 | 0.0 | - |
| 35 | | Investments through the Municipal Fund for the Elderly | | 203-2, 413-1 | 0.0 | 30.0 | - | 77.0 | 60.0 | 28.3% |

**Notes:**
[1] Additional information regarding the sustainability at the Company are available at Sustainability Report (www.engie.com.br/en/investors/financial-information).
[2] Reference: ENGIE Sustainable Management Policy.
[3] GRI: Global Reporting Initiative, Standards version and sector supplement version G4.
[4] Pampa Sul Thermoelectric Power Plant did not operate in the second quarter of 2022 due to predictive maintenance, resuming operation as of August/22.
[5] FR = number of occupational accidents for every million hours of exposure to hazards.
[6] SR = number of days lost due to occupational accidents for every thousand hours of exposure to hazards.
[7] The Health and Safety indicators underwent a methodological change at the beginning of 2021, which is why there are no comparisons with previous periods.
[8] Amounts in thousands of reais (R$).
* These indicators may undergo minor adjustement after annual closing.

# Contacts


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