

**COMPANHIA PARANAENSE DE ENERGIA – COPEL**  
 Corporate Taxpayer ID (CNPJ/ME) 76.483.817/0001-20 –  
 Company Registry (NIRE) 41300036535 - CVM Registration  
 B3 (CPLE3, CPLE5, CPLE6)  
 NYSE (ELP, ELPC)  
 LATIBEX (XCOP, XCOPO)

## Copel Distribuição's Grid Market grows 10.3% in 1Q24

COPEL (“Company”), a company that generates, transmits, distributes and trades energy, informs its shareholders and the market in general the performance of the energy market in the first quarter of 2024, compared to the same period of the previous year.

### Distribution

#### Grid Market

Copel Distribuição's grid market, made up of the captive market, supply to concessionaires and licensees within the State of Paraná and all the free customers existing in its concession area, had an increase of 10.3% in electricity consumption in the 1Q24 in relation to the same period of the previous year, mainly due to higher temperatures<sup>1</sup>. The billed grid market, which considers offset energy from Mini and Micro Distributed Generation – MMGD, increased 7.9% in the quarter<sup>2</sup>.

	Number of Customers			Consumed Energy (GWh)		
	Mar-24	Mar-23	Δ%	1Q24	1Q23	Δ%
<b>Residential</b>	<b>4,233,587</b>	<b>4,149,386</b>	<b>2.0</b>	<b>2,683</b>	<b>2,254</b>	<b>19.0</b>
<b>Industrial</b>	<b>69,079</b>	<b>69,571</b>	<b>(0.7)</b>	<b>3,024</b>	<b>2,950</b>	<b>2.5</b>
Captive	67,698	68,411	(1.0)	435	474	(8.3)
Free	1,381	1,160	19.1	2,589	2,475	4.6
<b>Commercial</b>	<b>442,397</b>	<b>433,318</b>	<b>2.1</b>	<b>1,949</b>	<b>1,697</b>	<b>14.8</b>
Captive	440,550	431,819	2.0	1,302	1,167	11.6
Free	1,847	1,499	23.2	646	530	22.1
<b>Rural</b>	<b>321,503</b>	<b>329,308</b>	<b>(2.4)</b>	<b>740</b>	<b>680</b>	<b>8.8</b>
Captive	321,421	329,257	(2.4)	690	640	7.8
Free	82	51	60.8	50	40	24.5
<b>Others</b>	<b>55,554</b>	<b>54,158</b>	<b>2.6</b>	<b>648</b>	<b>616</b>	<b>5.1</b>
Captive	55,537	54,146	2.6	642	614	4.5
Free	17	12	41.7	5	2	206.6
<b>Total Captive Market</b>	<b>5,118,793</b>	<b>5,033,019</b>	<b>1.7</b>	<b>5,753</b>	<b>5,150</b>	<b>11.7</b>
<b>Total Free Market</b>	<b>3,327</b>	<b>2,722</b>	<b>22.2</b>	<b>3,291</b>	<b>3,046</b>	<b>8.0</b>
<b>Supply to Concessionaires</b>	<b>7</b>	<b>7</b>	<b>-</b>	<b>240</b>	<b>221</b>	<b>8.3</b>
<b>Total Grid Market</b>	<b>5,122,127</b>	<b>5,035,748</b>	<b>1.7</b>	<b>9,284</b>	<b>8,418</b>	<b>10.3</b>
<b>MMGD</b>	<b>336,359</b>	<b>249,709</b>	<b>34.7</b>	<b>(667)</b>	<b>(431)</b>	<b>55.0</b>
<b>Total Billed Grid Market</b>				<b>8,616</b>	<b>7,987</b>	<b>7.9</b>

<sup>1</sup> Average temperature in the State of Paraná for the months of January, February and March 2024 compared to the same period in 2023 increased by 0.9°C, 2.3°C and 1.1°C, respectively. Source: Simepar.

<sup>2</sup> Considers the availability cost, which is the minimum amount charged for the availability of the distribution grid and is referenced in the input configurations of consumer units: 30 kWh single-phase, 50 kWh two-phase and 100 kWh three-phase circuits (ANEEL Ordinance Nº 1,000/2021 art. 291).

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The volume of offset energy, which is the surplus generation from MMGD compensated in billing, grew 55.0% in the quarter. The number of consumers subscribing to MMGD reached 336 thousand in March 2024, 34.7% higher than in March 2023.

Micro and Mini Distributed Generation	Offset Energy (GWh)		
	1Q24	1Q23	Δ%
<b>Residential</b>	203	123	65.8%
<b>Industrial</b>	56	39	42.2%
<b>Commercial</b>	235	147	60.3%
<b>Rural</b>	166	118	40.4%
<b>Other</b>	8	4	87.0%
<b>Total MMGD</b>	<b>667</b>	<b>431</b>	<b>55.0%</b>

The 1Q24 result is due to the consumption of electricity by the following classes:

- i. **Residential**, with an increase 19.0%, due to the increase in average consumption in the period, from 181.1 kWh/month to 211.2 kWh/month, mainly due to the high average temperature in the first quarter of 2024 and the 2.0% increase in the number of consumers;
- ii. **Commercial**, with an increase of 14.8%, mainly due to the growth in Retail Trade consumption by 13.4%, representing 31.3% in the consumption of the class, of Wholesale Trade consumption in 21.3%, representing 15.5% in the consumption of the class, and consumption of Office and Administrative Support Services at 71.3%, representing 3.2% in the consumption of the class;
- iii. **Rural**, with an increase of 8.8%, mainly due to the 7.4% growth in consumption with Agriculture, Livestock and Related Services, representing 88.1% in the consumption of the class and 41.6% % of consumption with Fishing and Aquaculture, representing 5.4% in the consumption of the class;
- iv. **Other classes**, with an increase of 5.1%, mainly as a result of greater consumption by the Public Authorities; and
- v. **Industrial**, with an increase of 2.5%, mainly due to the increase in consumption of Manufacturing of Food Products by 7.9%, representing 40.0% in the consumption of the class, and in the consumption of Wood Products Manufacturing by 14.2%, representing 7.7% in the consumption of the class, partially offset by the reduction of 68.2% in consumption with Metallurgy, representing 1.0% in the consumption of the class, and 17.4% in the consumption of Chemical Products Manufacturing, representing 4.2% in the consumption of the class.

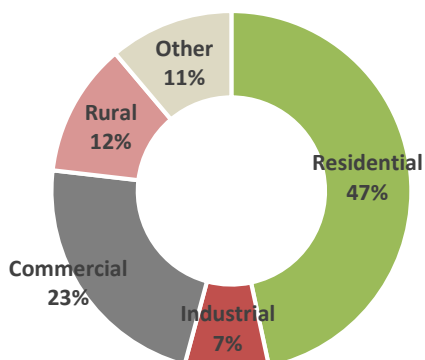
### Captive Market

The captive market showed an increase of 11.7% in electricity consumption in the first quarter of 2024. The billed captive market, which considers offset energy from MMGD, increased by 7.7% in the quarter.

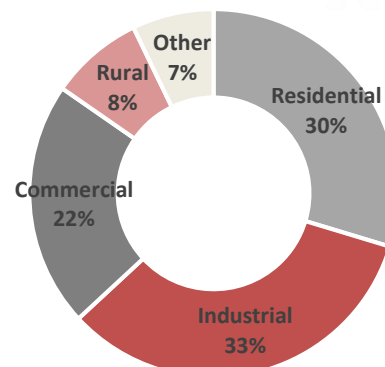
The following graphs show the electricity consumed by class in 1Q24:



## Captive Market



## Total Market



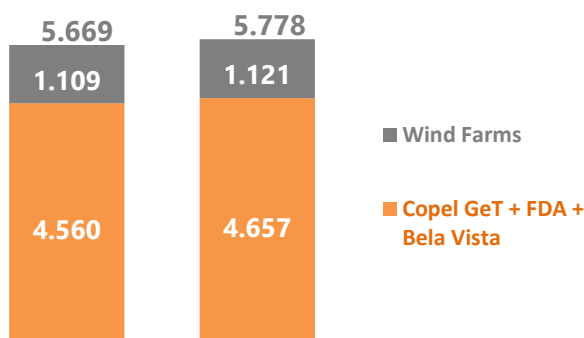
### Generation

In the first quarter of 2024, Copel Geração e Transmissão (including energy from HPP Foz do Areia – FDA and SHP Bela Vista – BVE, but excluding TPP Araucária) recorded 4,657 GWh of electricity sold, an increase of 2.1%, mainly due to the increase in energy sold to Copel Mercado Livre.

For wind farms, the total electricity sold was 1,121 GWh, an increase of 1.1%, mainly due to the increase in energy sold in regulated auctions (CCEARs) by the Aventura and SRMN Wind Complexes.

There was no dispatch for TPP Araucária, which is in the process of being disinvested by Copel.

### Consolidated Generation Sales (GWh)



### Trading

#### Copel Mercado Livre

In 1Q24, Copel Mercado Livre recorded 6,042 GWh of electricity sold, an increase of 2.5%, due to the increase in bilateral contracts.

#### Copel's Consolidated Market

The total energy sold by Copel, made up of sales from Copel Distribuição, Copel Geração e Transmissão, Wind Complexes and Copel Mercado Livre in all markets, reached 17,678 GWh in 1Q24, an increase of 2.7%.

The following table shows Copel's total energy sales, broken down into Copel Distribuição, Copel Geração e Transmissão, Wind Farms and Copel Mercado Livre:

# NOTICE TO THE MARKET | 14/24

Copel's Consolidated Market	N° de customers / contracts			Energy sold (GWh)		
	Mar 24	Mar 23	Δ%	1Q24	1Q23	Δ%
<b>Copel DIS</b>	<b>5,118,975</b>	<b>5,033,325</b>	<b>1.7</b>	<b>5,858</b>	<b>5,655</b>	<b>3.6</b>
Captive Market	5,118,793	5,033,019	1.7	5,753	5,150	11.7
Concessionaries and Licensees	2	2	-	24	22	8.4
CCEE (Assigments MCSD EN)	180	304	(40.8)	35	48	(28.1)
CCEE (MVE)	0	0	-	0	0	-
CCEE (MCP) <sup>2</sup>	0	0	-	47	435	(89.2)
<b>Copel GeT</b>	<b>532</b>	<b>389</b>	<b>36.8</b>	<b>4,657</b>	<b>4,560</b>	<b>2.1</b>
CCEAR (Copel DIS)	4	3	33.3	34	33	3.0
CCEAR (other concessionaries)	119	101	17.8	586	569	3.0
Free Customers	0	0	-	0	0	-
Bilateral Agreements (Copel Mercado Livre)	403	273	47.6	3,788	3,492	8.5
Bilateral Agreements <sup>1</sup>	6	12	(50.0)	50	153	(67.3)
CCEE (MCP) <sup>2</sup>	0	0	-	199	313	(36.4)
<b>Wind Farms Complexes</b>	<b>662</b>	<b>589</b>	<b>12.4</b>	<b>1,121</b>	<b>1,109</b>	<b>1.1</b>
CCEAR (Copel DIS)	19	15	26.7	31	23	34.8
CCEAR (other concessionaries)	618	541	14.2	568	480	18.3
CER	10	10	-	236	226	4.4
Bilateral Agreements (Copel Mercado Livre)	4	8	(50.0)	88	122	(27.9)
Bilateral Agreements	11	15	(26.7)	121	131	(7.6)
CCEE (MCP) <sup>2</sup>	0	0	-	77	127	(39.4)
<b>Copel Mercado Livre</b>	<b>1,487</b>	<b>1,690</b>	<b>(12.0)</b>	<b>6,042</b>	<b>5,893</b>	<b>2.5</b>
Free Customers	1,323	1,561	(15.2)	2,608	2,927	(10.9)
Bilateral Agreements (Group Companies)	0	0	-	154	0	-
Bilateral Agreements	164	129	27.1	3,213	2,820	13.9
CCEE (MCP) <sup>2</sup>	0	0	-	67	146	(54.1)
<b>Total Copel</b>	<b>5,121,656</b>	<b>5,035,993</b>	<b>1.7</b>	<b>17,678</b>	<b>17,217</b>	<b>2.7</b>
Eliminations (intra-group operations)	-	-	-	4,095	3,776	8.4
<b>Total Consolidated Copel</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13,583</b>	<b>13,441</b>	<b>1.1</b>

Note: Does not consider the energy made available through the MRE (Energy Reallocation Mechanism) and the energy from TPP Araucária.

<sup>1</sup> Includes Short-Term Sales Contracts and CBR.

<sup>2</sup> Does not consider negative amounts.

CCEE: Electric Energy Trading Chamber / CCEAR: Energy Trading Contracts in the Regulated Environment / MCP: Short-Term Market / CER: Reserve Energy Contract / MCSD EN - Compensation Mechanism for New Energy Surpluses and Deficits / MVE - Sale of energy to the free market through the Surplus Sale Mechanism.

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**Adriano Rudek de Moura**

Chief Financial and Investor Relations Officer

For further information, please contact the Investor Relations team:

ri@copel.com or (41) 3331-4011