

# EPIAŞ

ENERGY MARKETS OVERVIEW OF TÜRKİYE

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CEO - EPIAŞ

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EPIAŞ

# ENERGY MARKETS DEVELOPMENT PROCESS AND EPIAŞ

'01

- Electricity Market Law No. 4628 was published.
- The Natural Gas Market Law No. 4646 was published.
- Establishment of EMRA

'04

- The Temporary Balancing and Settlement Regulation was published.

'06

- The Balancing Power Market Mechanism Phase 1 was put into force.
- **Market Financial Settlement Center (PMUM) was established within TEİAŞ.**
- The settlement of the imbalances for the night, day and peak periods was activated

'09

- The Day Ahead Planning Mechanism was activated.
- Hourly pricing and settlement started.

'11

- **The Day-Ahead Market Mechanism was activated.**
- The Collateral and Advance Payment Mechanism was activated.
- **The Renewable Energy Resources Support Mechanism (RERM) was activated.**

'13

- **With the Electricity Market Law No. 6446, the establishment of EPIAŞ was concluded.**

# ENERGY MARKETS DEVELOPMENT PROCESS AND EPIAŞ

'15

- **EPIAŞ was established subject to the Electricity Market Law No. 6446, Turkish Commercial Code No. 6102 and private law provisions.**
- Intraday Market (IDM) was opened.
- EPIAŞ obtained Market Operation License.
- Market activities were transferred from PMUM to EPIAŞ.

'16

- **The Transparency Platform was made available to the participants and the public.**
- The new Day Ahead Market (DAM) software was launched.
- **Eligible Consumer Portal was operated.**

'17

- Organized Wholesale Natural Gas Market (SGM) Regulation has been published.

'18

- **Organized Wholesale Spot Natural Gas Market (SGM) was opened.**
- EPIAŞ mobile application was launched.

'19

- The law amendment allowing the Power Futures Market (PFM) to be operated by EXIST has been published.

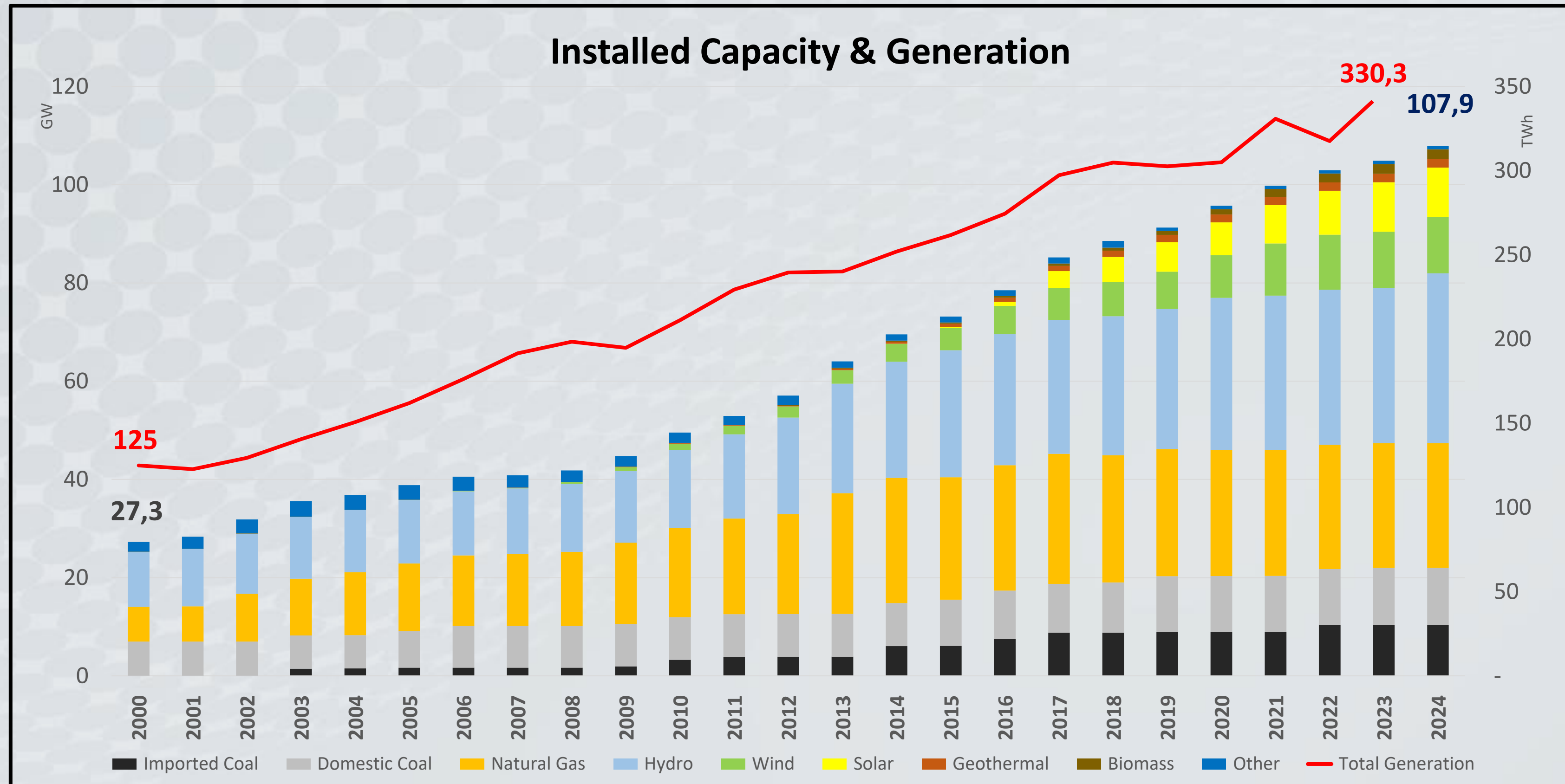
'20

- The Natural Gas Market was opened for weekly products.

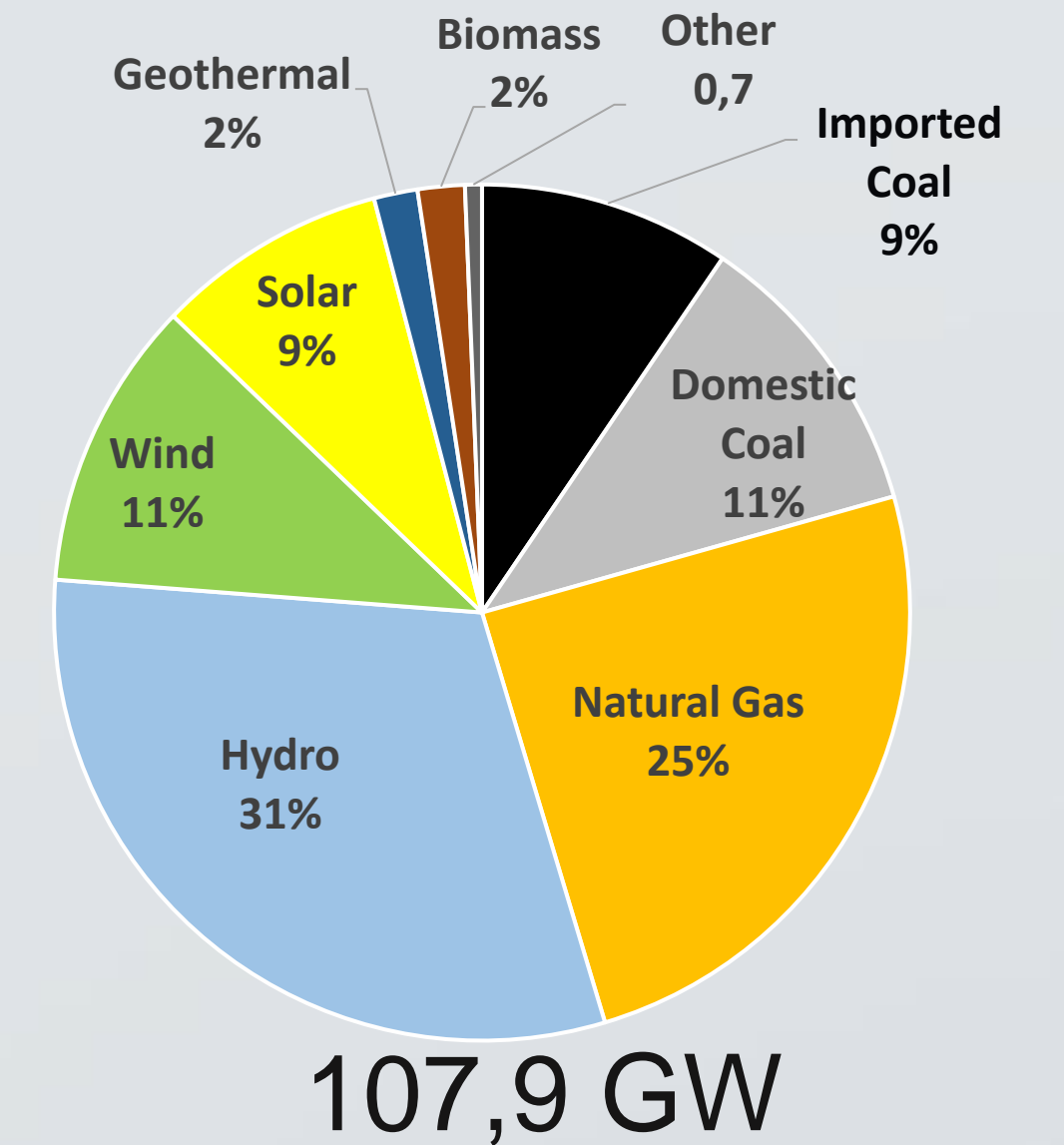
'21- 23

- **Start of Power Futures Market (PFM).**
- **Start of Renewable Energy Resource Guarantee (YEK-G) System and Market.**
- **Start of Gas Futures Market.**
- **Transparency Platform 2.0 has gone live**

# TÜRKIYE'S INSTALLED POWER CAPACITY EVOLUTION



### 2024 Total Installed Capacity By Generation Sources



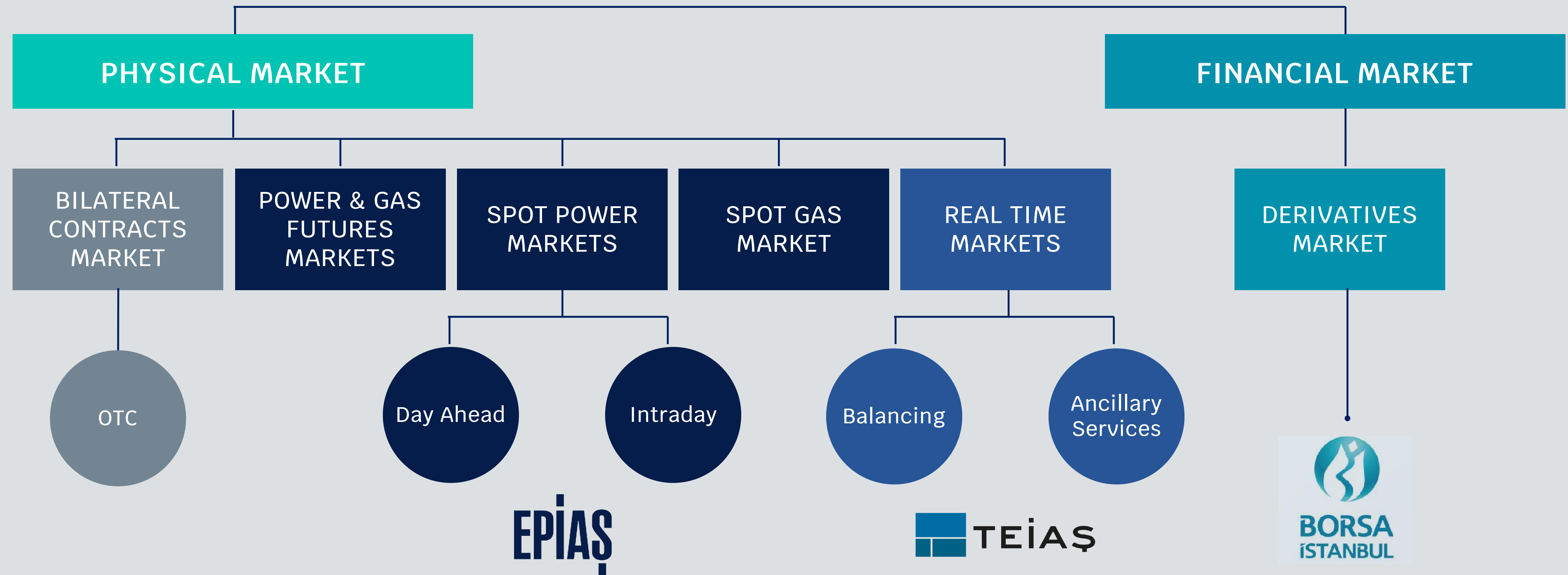
107,9 GW

As of March 2024

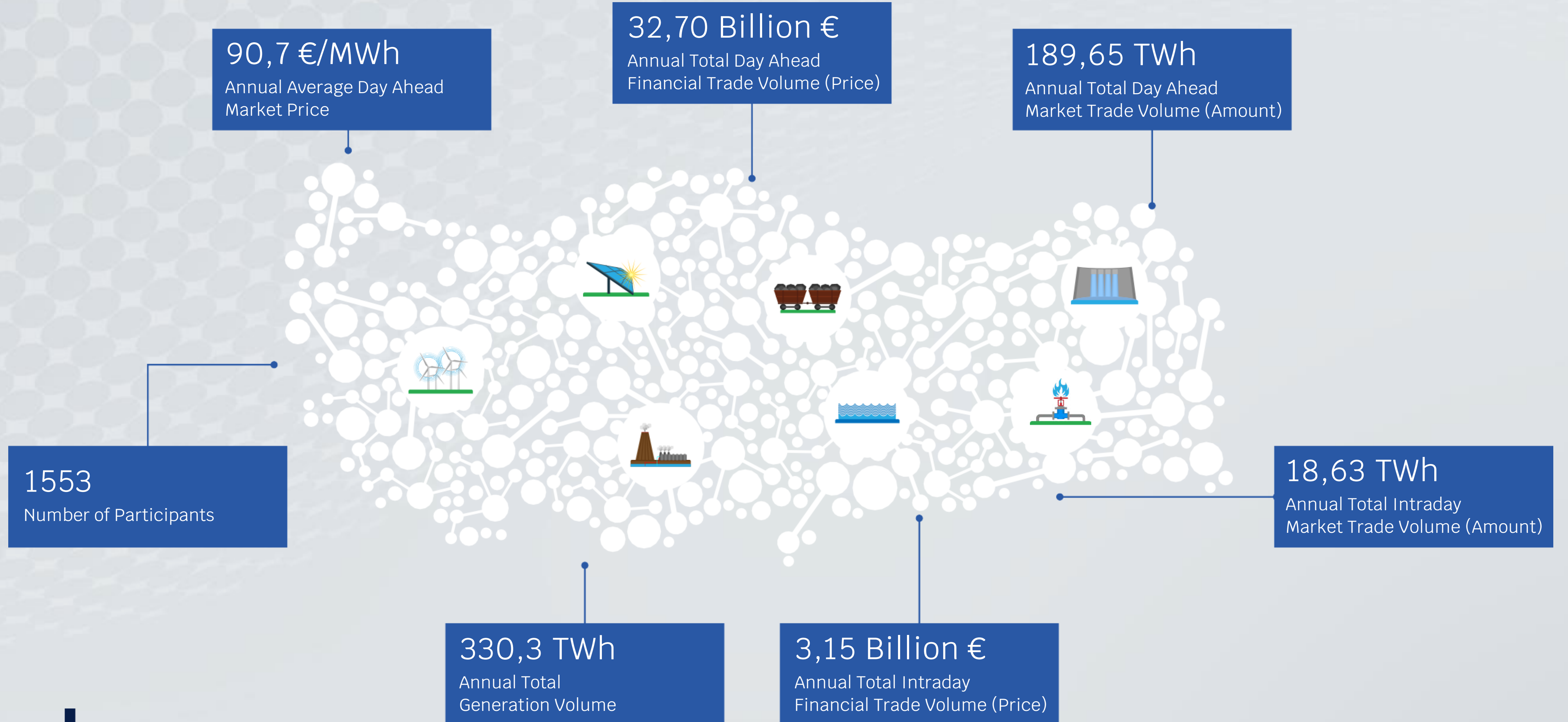
# WHOLESALE ENERGY MARKETS

1.553 Power Market Participants

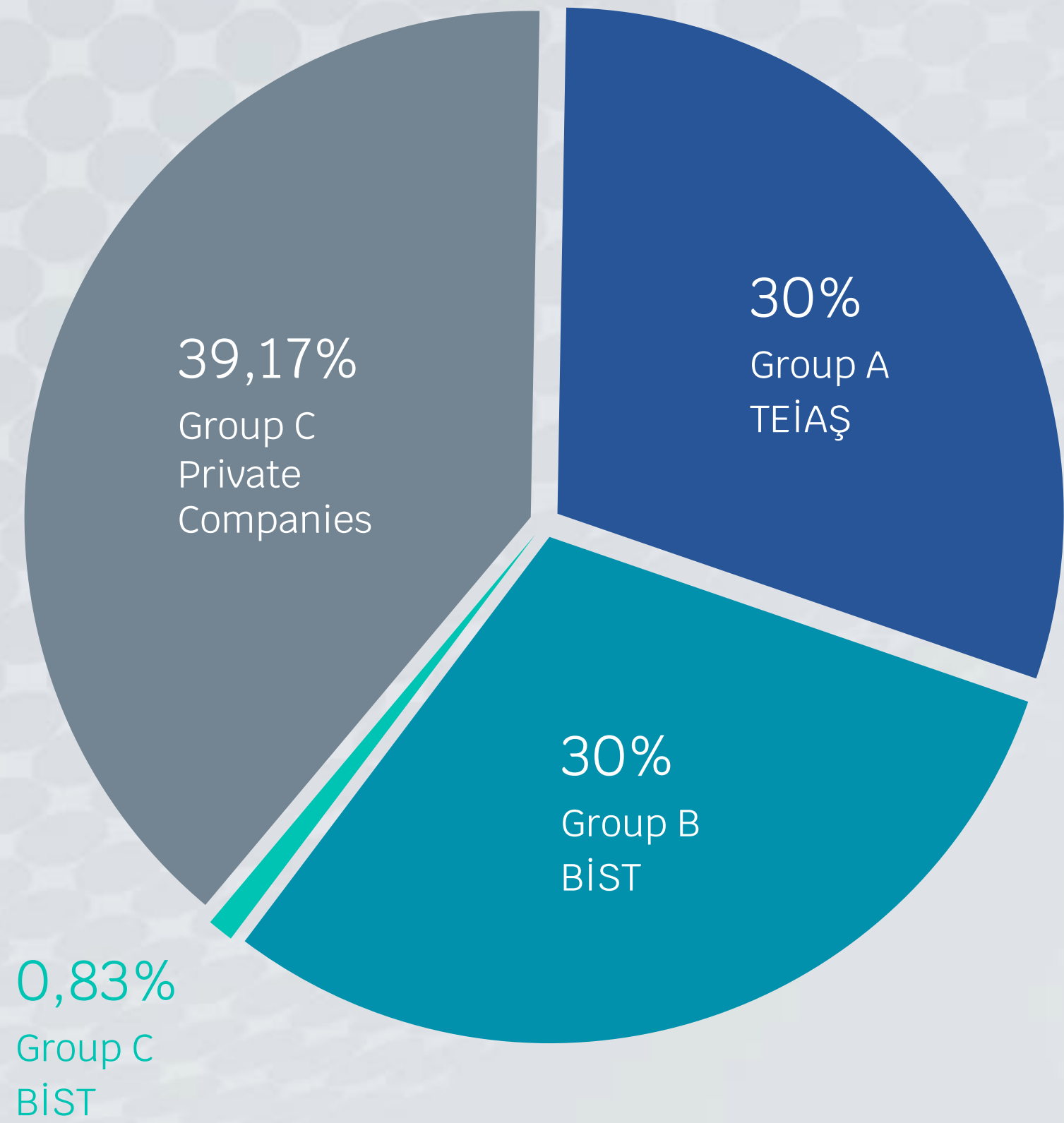
55 Gas Market Participants



# TÜRKİYE'S 2023 POWER OUTLOOK



# SHAREHOLDER STRUCTURE



SHAREHOLDERS	GROUP	SHARE QUANTITY	SHARE AMOUNT(₺)	PERCENTAGE (%)
Türkiye Elektrik İletim A.Ş. (TEİAŞ)	A	18.471.831	18.471.831	30,00
Borsa İstanbul A.Ş. (BİST)	B	18.471.831	18.471.831	30,00
Borsa İstanbul A.Ş. (BİST)	C	511.590	511.590	0,83
Private Companies	C	24.117.518	24.117.518	39,17
TOTAL		61.572.770	61.572.770	100,00

# ENERGY MARKETS

**DAM**

SPOT ELECTRICITY DAY AHEAD MARKET



**IDM**

SPOT ELECTRICITY INTRADAY MARKET



**PFM**

POWER FUTURES MARKET



**SGM**

SPOT NATURAL GAS MARKET



**GFM**

NATURAL GAS FUTURES MARKET



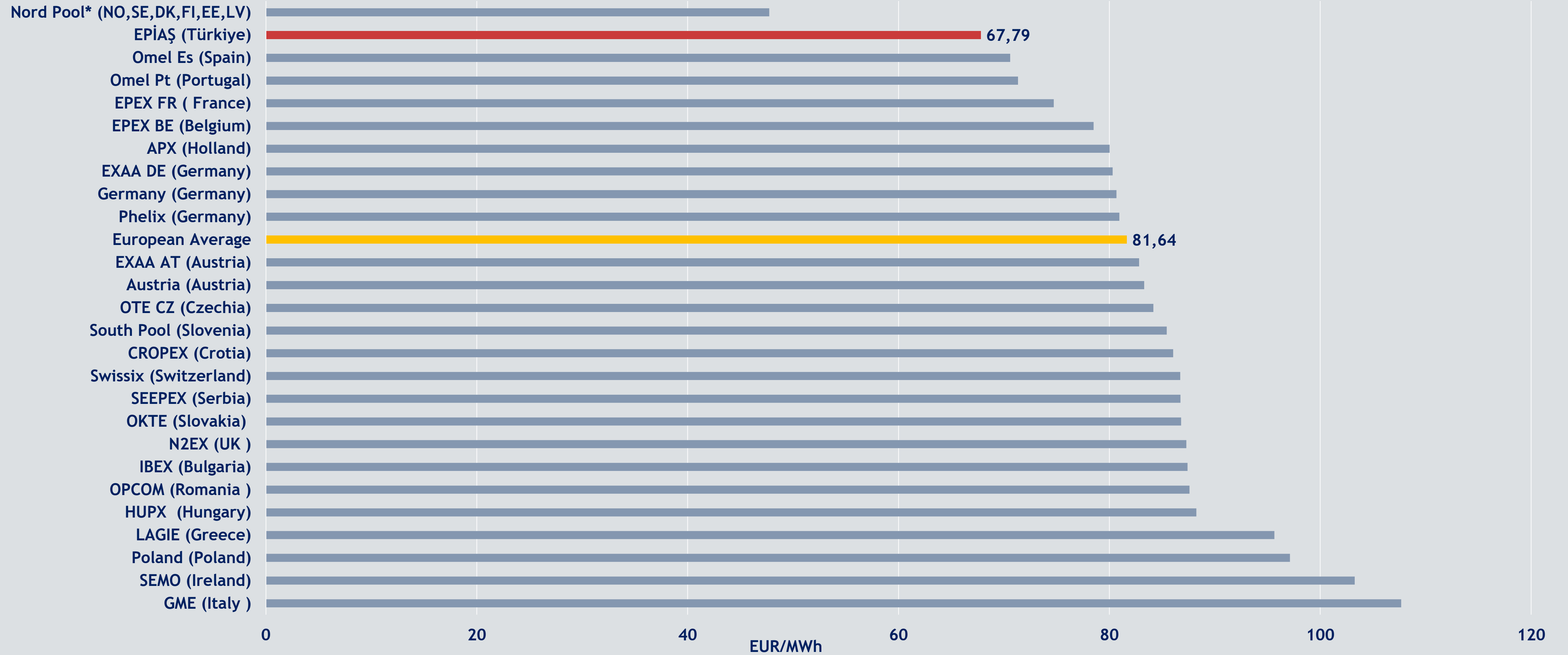
**YEK-G**

RENEWABLE ENERGY GUARANTEES OF ORIGIN SYSTEM  
ORGANIZED YEK-G MARKET



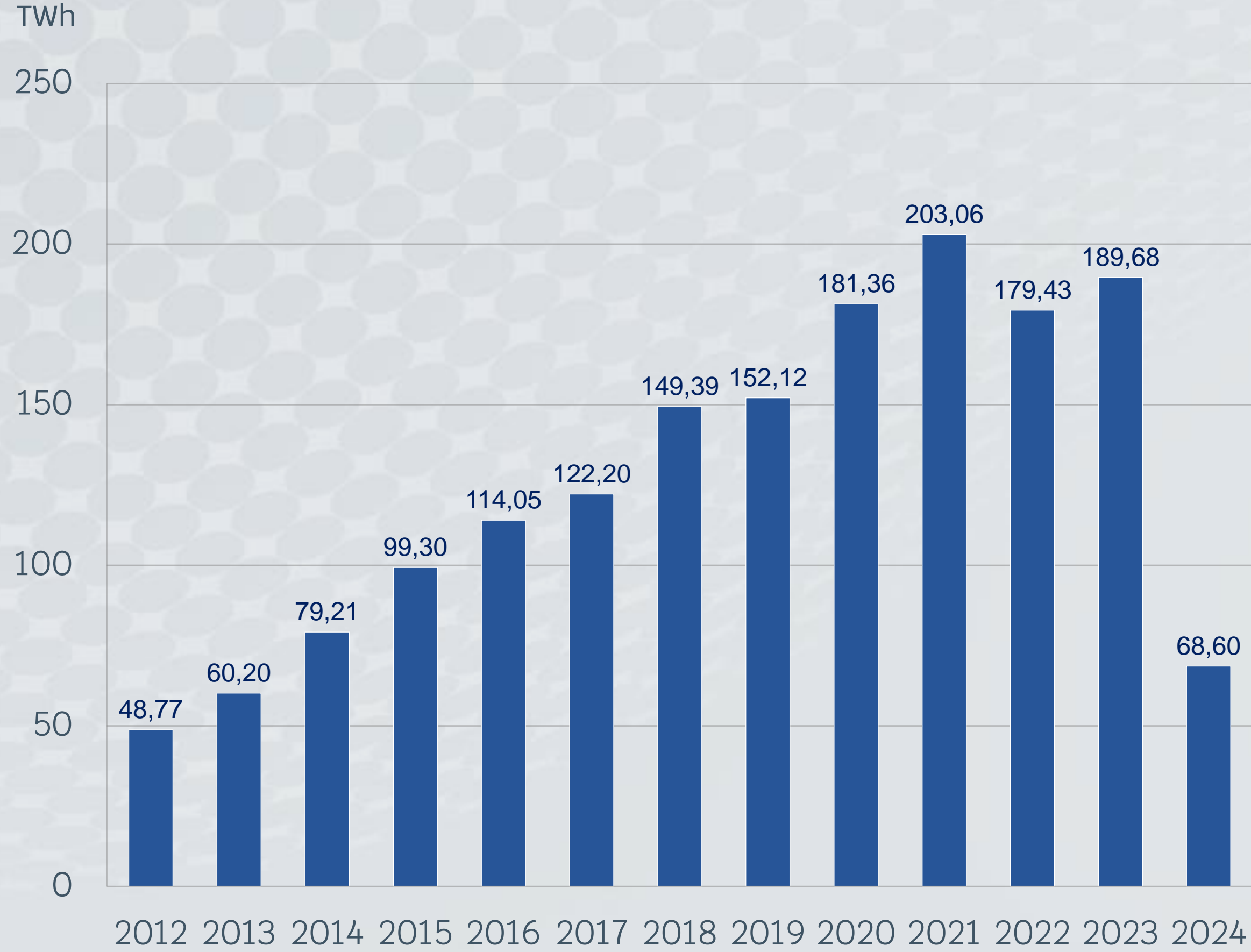


# AVERAGE MARKET CLEARING PRICE (EUR/MWh)

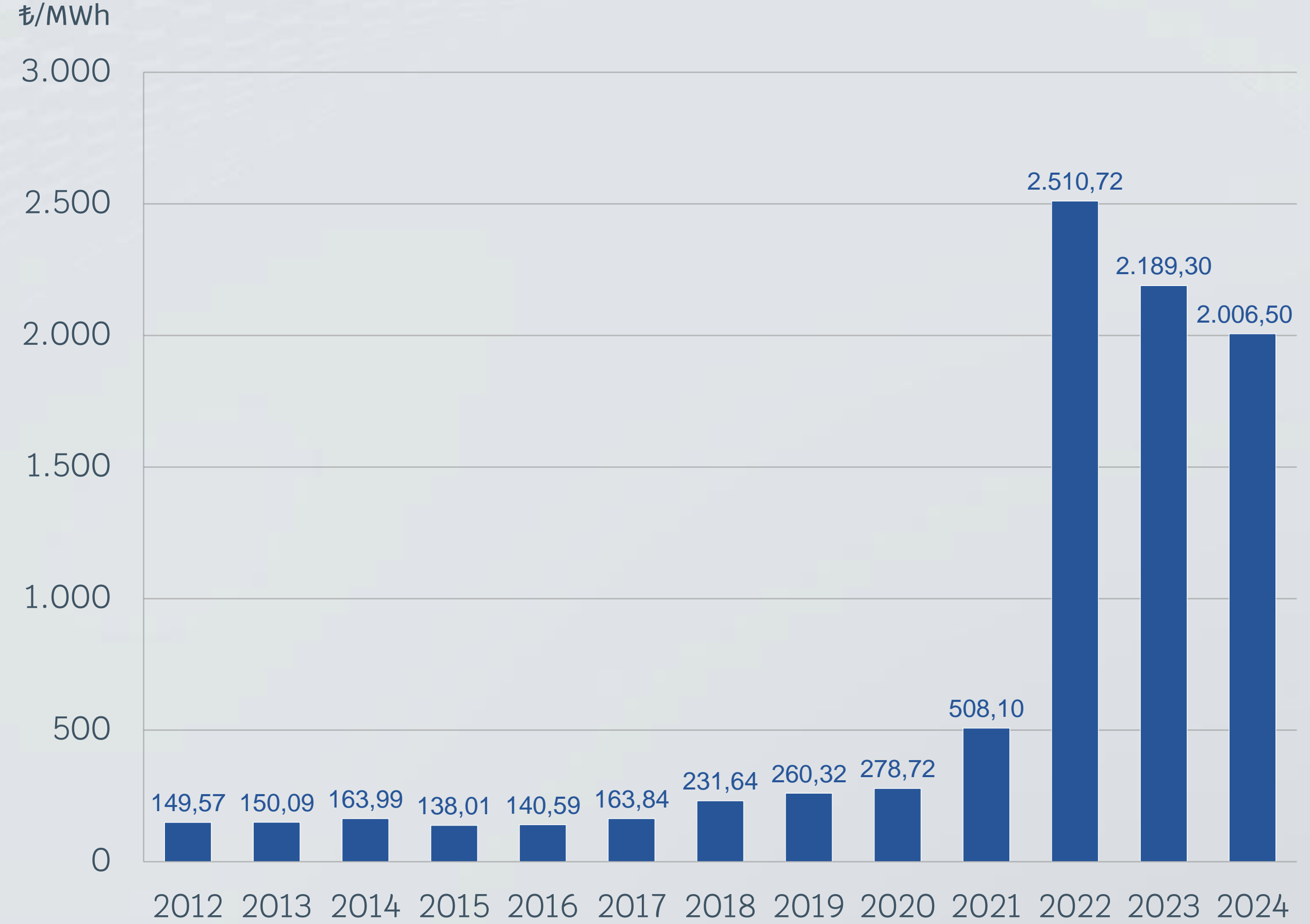


# DAY-AHEAD MARKET (DAM)

Annual Matching Quantity

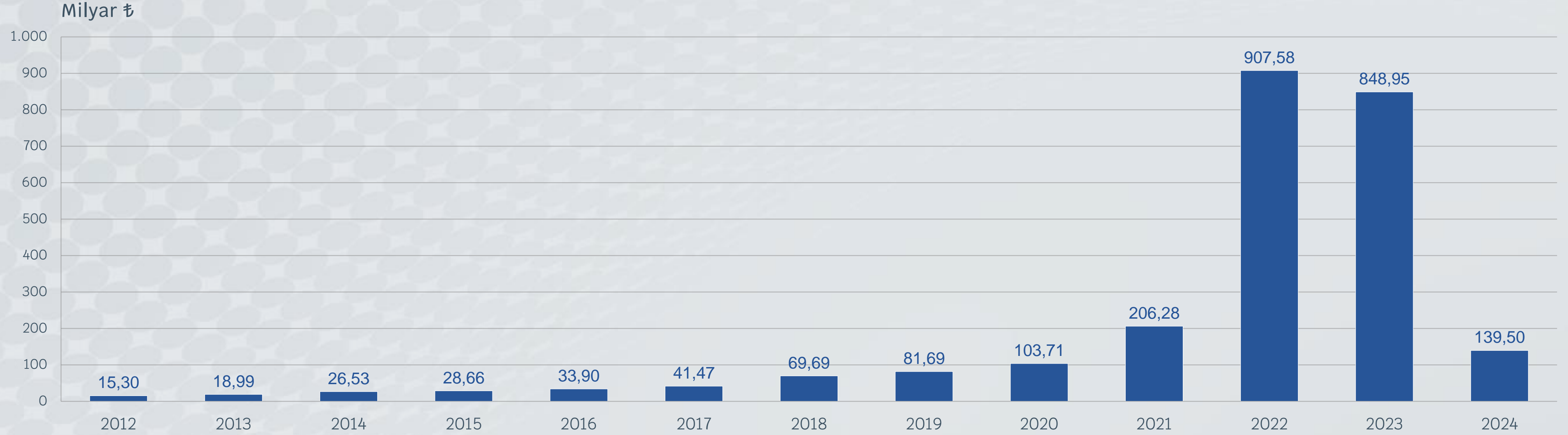


Annual Average Market Clearing Price



# DAY AHEAD MARKET (DAM)

Annual Trade Volume

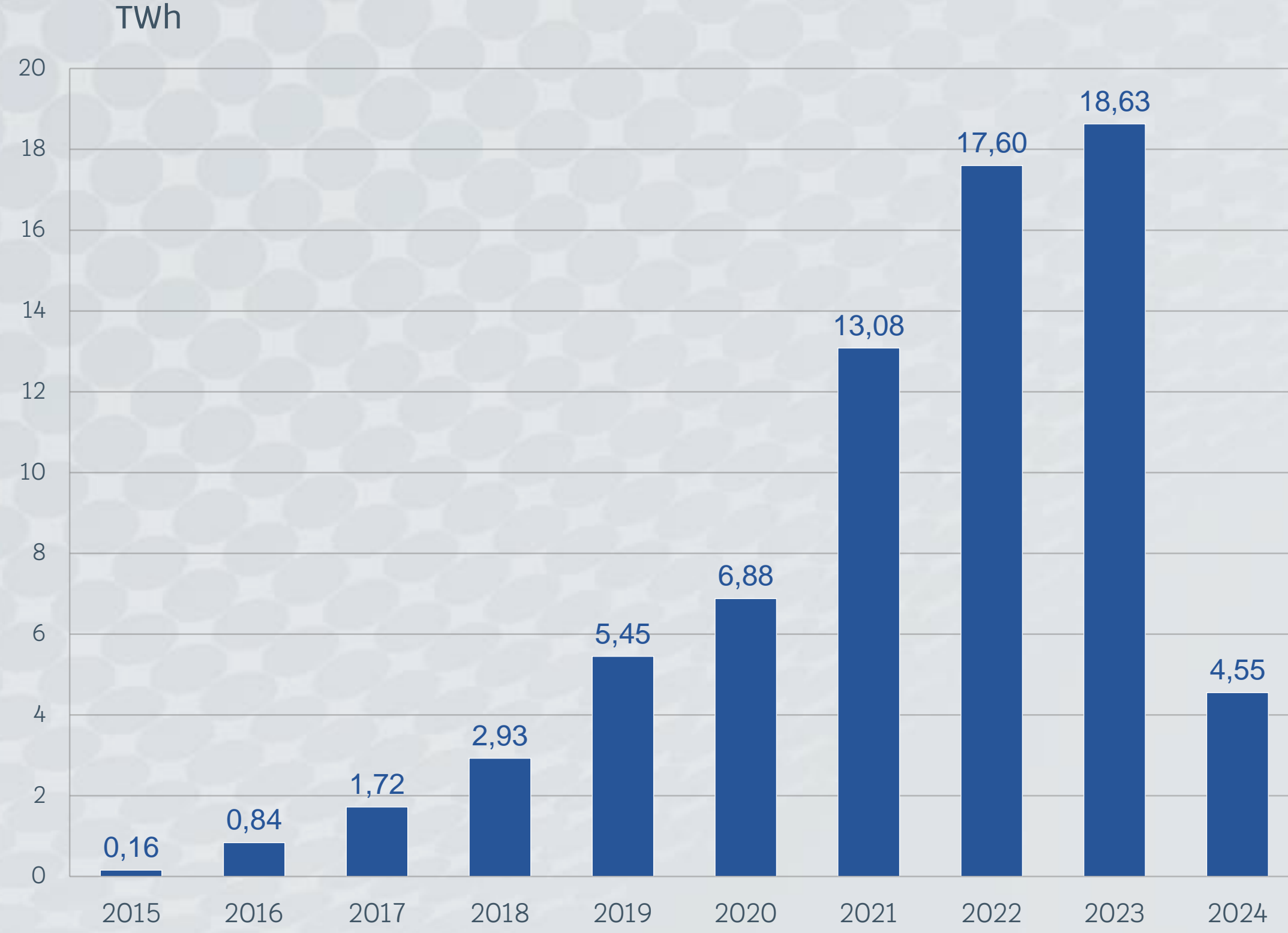


Number of Participants Submitting Offers

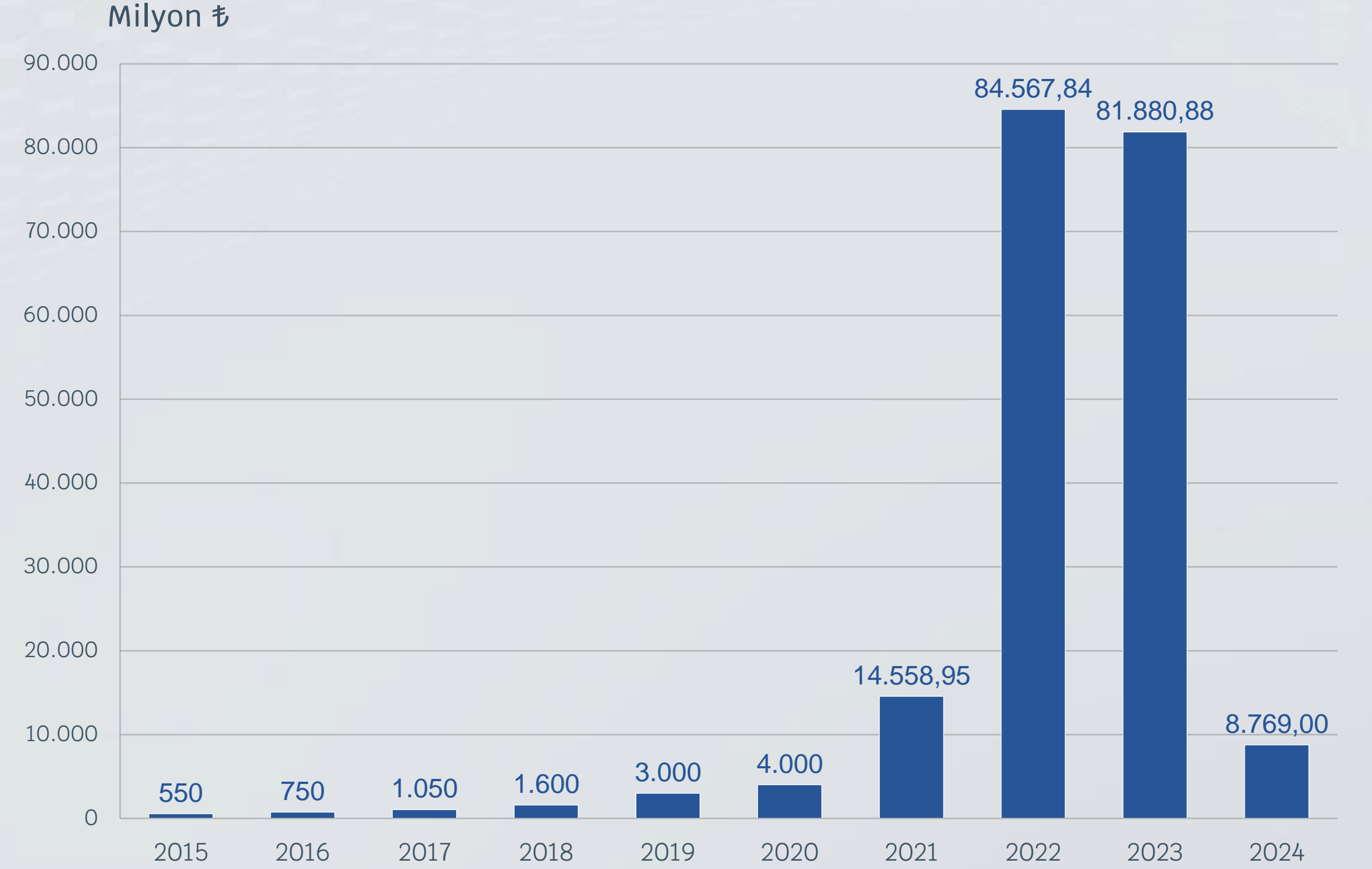
January	February	March	April	May	June	July	August	September	October	November	December
1.035	1.029	1.022	1.029	1.046	1.065	1.048	1.038	1030	1.016	1.025	1.034

# INTRADAY MARKET (IDM)

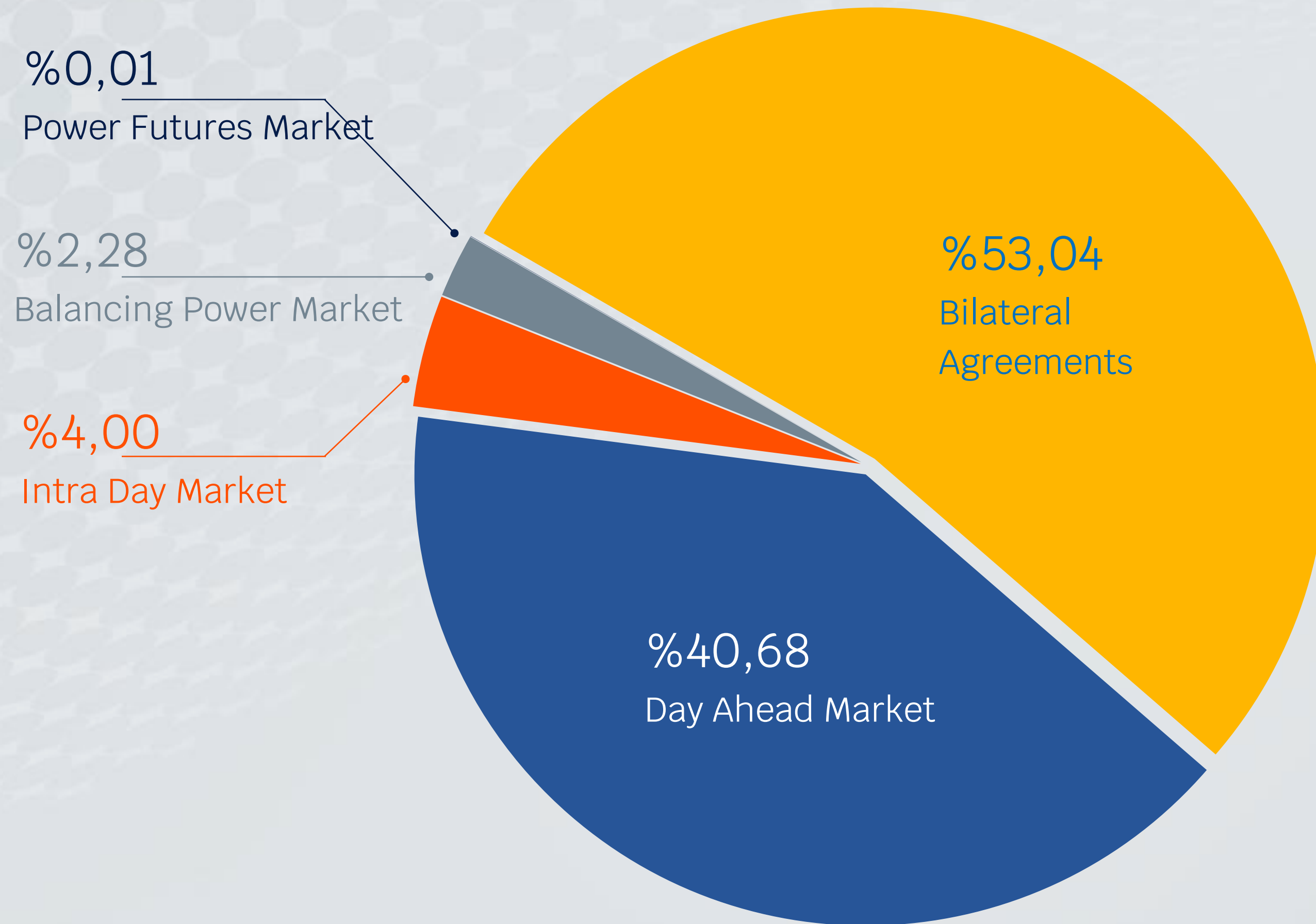
Annual Matching Quantity



Annual Trade Volume

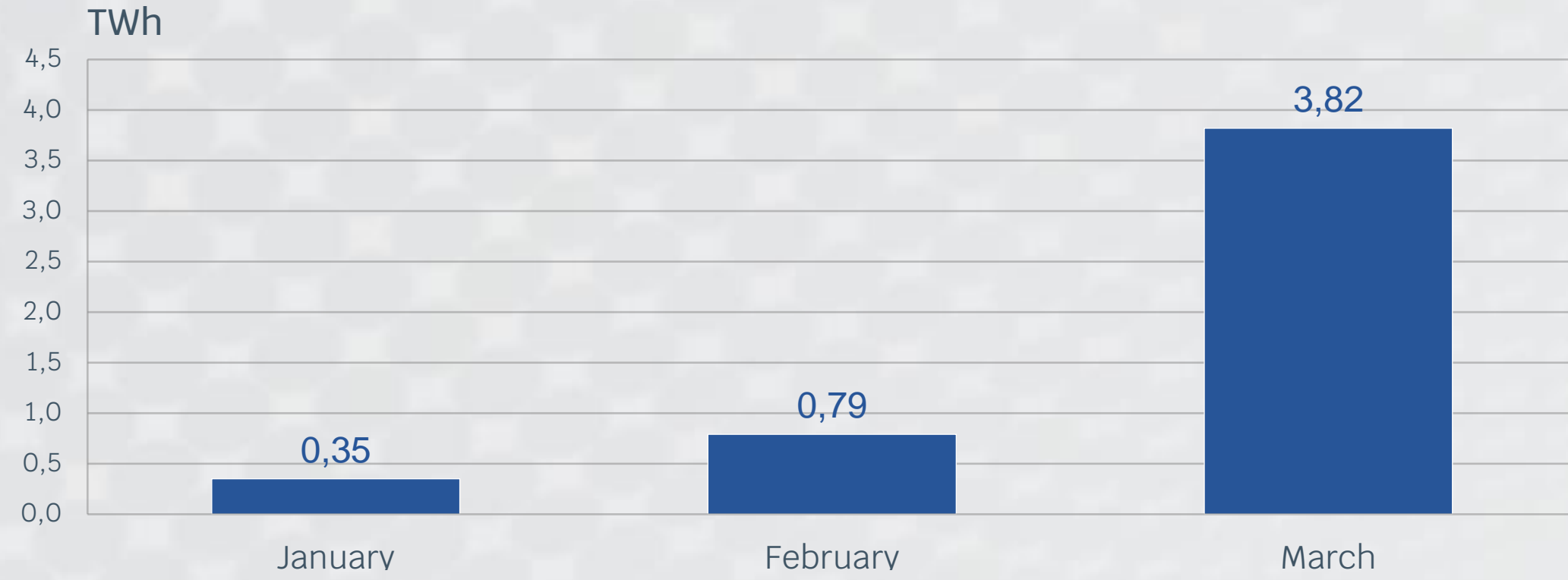


# ANNUAL MARKET QUANTITY DISTRIBUTION

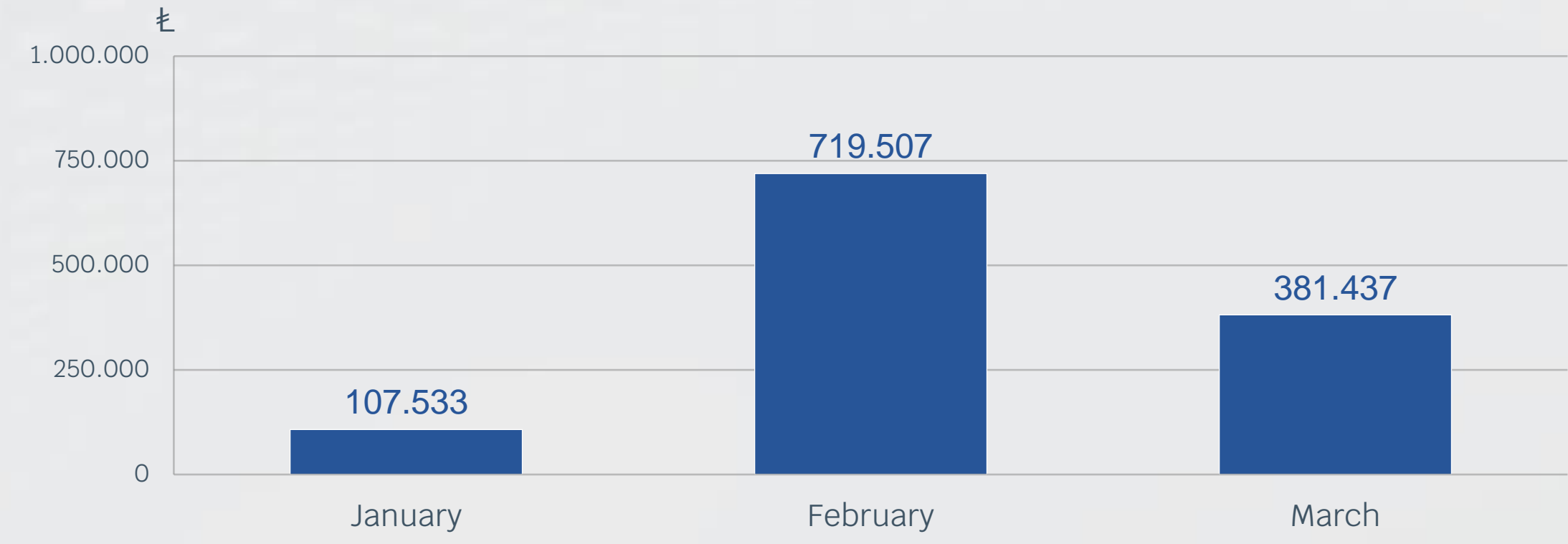


# RENEWABLE ENERGY GUARANTEES OF ORIGIN MARKET 2024

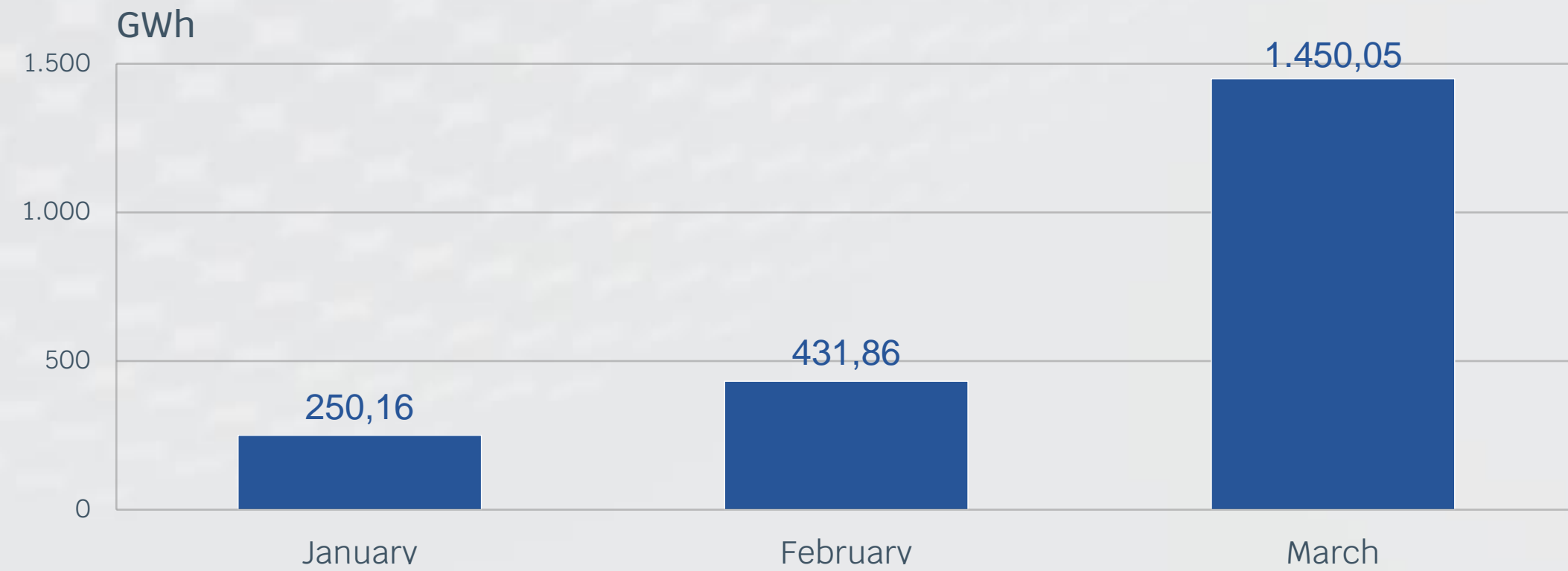
## AMOUNT OF ISSUED CERTIFICATES



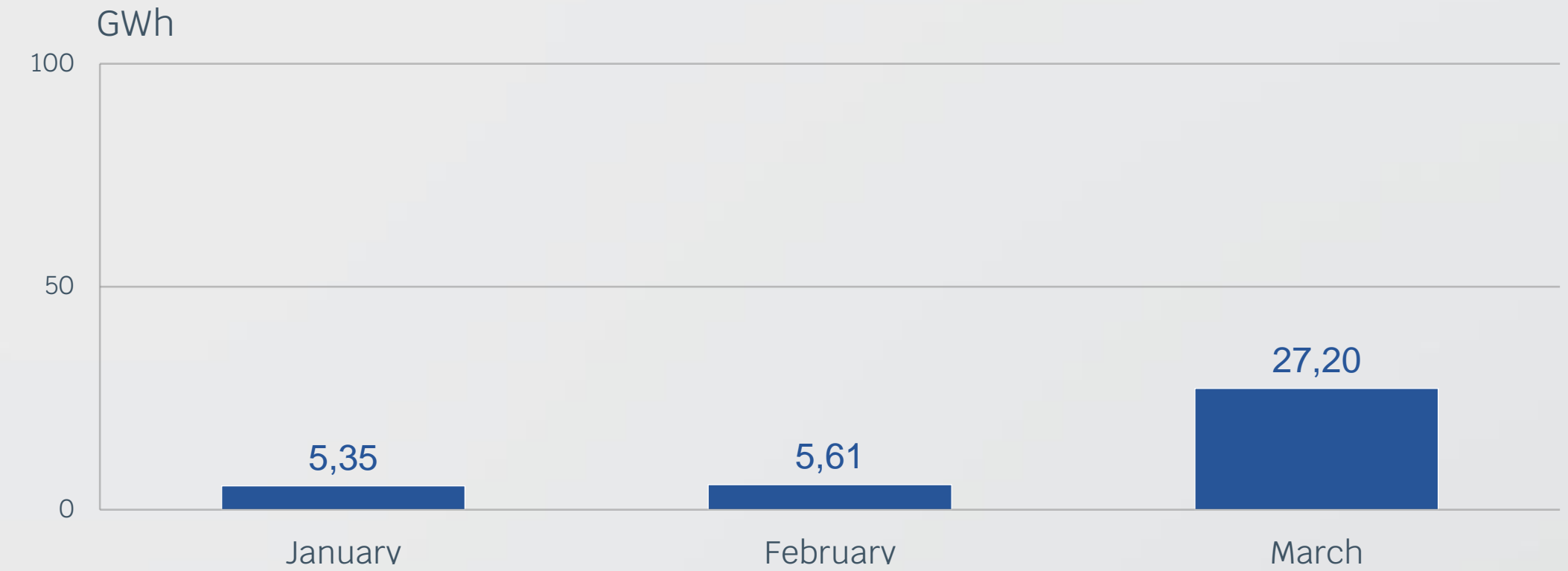
## MARKET FINANCIAL TRADING VOLUME



## CERTIFICATE CANCELLATION AMOUNT



## AMOUNT OF BILATERAL AGREEMENT



# TRANSPARENCY PLATFORM



[seffaflik.epias.com.tr](http://seffaflik.epias.com.tr)

DATA CATEGORY	DATA NUMBER
Power Markets	58
Power Generation	6
Power Consumption	15
RESS	16
Market Reports	20
Power Transmission	10
Gas Transmission	13
SGM	26
GFM	6
Dams	8
Market Message System	1
<b>TOTAL</b>	<b>179</b>

# INTERNATIONAL COOPERATION

Europex



entsoe

WORLD ENERGY COUNCIL | TÜRKİYE



EPIAS



# TRANSLATION of 35 ELECTRICITY and NATURAL GAS MARKETS LEGISLATION

Electricity and Natural Gas Markets Legislation were translated to English in line with the Energy and Mining Strategy of the Ministry of Energy and Natural Resources. These translations kept up-to-date.



<https://www.epias.com.tr/en/law-2/>

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