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Romanian gas and electricity market operator

Opcom

MONTHLY MARKET REPORT
JUNE 2016

Romanian gas and electricity market operator

Day-Ahead Market - June 2016

Number of registered participants on Day Ahead Market: **327**Number of active market participants [participants/month]: **247**Average number of active market participants [participants/day]: **232**

Average price (arithmetic mean) [EUR/MWh]: 29.88 Average price (weighted mean) [EUR/MWh]: 30.72

Total traded volume [MWh]: 1,982,190.9 Average traded volume [MWh/h]: 2,753.0

DAM share of net forecasted consumption [%]: 47.63

Value [mil. EUR]: 60.89

| Period | Total Traded Volume [MWh] | Average Traded Volume [MWh/h] | DAM Share [%] | Average Price [EUR/MWh] | Value of Transactions [EUR] |
|-----------|------------------------------|-------------------------------|------------------|----------------------------|--------------------------------|
| June-15 | 1,946,676.5 | 2,703.7 | 48.78% | 32.92 | 64,744,886.99 |
| June-16 | 1,982,190.9 | 2,753.0 | 47.63% | 29.88 | 60,887,271.34 |
| Variation | ▲ +1.82% | ▲ +1.82% | V -2.35% | ▼-9.24% | ▼-5.96% |

| Period | Total Traded Volume [MWh] | Average Traded Volume [MWh/h] | DAM Share [%] | Average Price [EUR/MWh] | Value of Transactions [EUR] |
|-----------|------------------------------|-------------------------------|------------------|----------------------------|--------------------------------|
| May-16 | 2,032,341.1 | 2,731.6 | 48.90% | 26.87 | 55,537,623.39 |
| June-16 | 1,982,190.9 | 2,753.0 | 47.63% | 29.88 | 60,887,271.34 |
| Variation | ▼-2.47% | ▲ +0.78% | ▼-2.59% | ▲ +11.22% | ▲ +9.63% |

Intraday Market - June 2016

Number of registered participants on IDM: 118

Number of active market participants [participants/month]: $\bf 47$

Average price (weighted mean) [EUR/MWh]: 23.38

Total traded volume [MWh]: 11,899.300 Average traded volume [MWh/h]: 16.527

Value [EUR]: 278,208.83

Centralized Market for Bilateral Contracts - June 2016

Extended Auctions Mechanism - CMBC - EA

Number of registered participants on CMBC-EA: 348

Bilateral Contracts Traded in June:

• Number of Traded Offers: 64

Traded electricity volume [MWh]: 1,864,462.300
Average price (weighted mean) [EUR/MWh]: 34.62

• Value [mil. EUR]: 64.55

Bilateral Contracts with Delivery in June:

• Number: 374

• Electricity Volume [MWh]: 1,673,210.480

• Market Share out of the estimated consumption [%]: 40.21

 \bullet Average price (weighted mean) [EUR/MWh]: 35.72

• Value [mil. EUR]: 59.76

Continuous Negotiation mechanism

Number of registered participants on CMBC-CN: 163

Standard Contracts traded in June:

- Number of forward contracts: 634
- Traded electricity volume [MWh]: 903,389
- Average price (weighted mean) [EUR/MWh]: 34.19
- Value [mil. EUR]: 30.89

Standard Contracts with Delivery in June:

- Number of forward contracts: 2,512
- Electricity Volume [MWh]: 912,768
- Market Share out of the estimated consumption [%]: 21.93
- Average price (weighted mean) [EUR/MWh]: 31.98
- Value [mil. EUR]: 29.19

Centralized Market with double continuous negotiation for Electricity Bilateral Contracts - June 2016

Number of registered participants on CM-OTC: 91

Bilateral Contracts Traded in June:

- Number of market participants with concluded trades [participants/month]: 52
- Average price (weighted mean) [EUR/MWh]: 34.12
- Total traded volume [MWh]: 3,004,112
- Value [mil. EUR]: 102.51

Bilateral Contracts with Delivery in June:

- Number of market participants with concluded trades [participants/month]: 60
- Average price (weighted mean) [EUR/MWh]: 33.03
- Total traded volume [MWh]: 2,453,992
- Market Share out of the estimated consumption [%]: 58.97
- Value [mil. EUR]: 81.06

Centralized Market for Universal Service - June 2016

Number of registered participants on CMUS: 35

Bilateral Contracts Traded in June:

PCSU_B_T3_16

- Number of forward contracts: 715
- Traded electricity volume [MWh]: 1,578,720
- Price [EUR/MWh]: **36.32**
- Value [mil. EUR]: 57.34

PCSU_V08-24_T3_16

- Number of forward contracts: 294
- Traded electricity volume [MWh]: 432,768
- Price [EUR/MWh]: 39.94
- Value [mil. EUR]: 17.28

PCSU_V18-23_T3_16

- Number of forward contracts: 236
- Traded electricity volume [MWh]: 108,560
- Price [EUR/MWh]: 43.58
- Value [mil. EUR]: 4.73

Contracts with Delivery in June:

- Number of traded contracts: 881
- Electricity Volume [MWh]: 577,200
- Average price (weighted mean) [EUR/MWh]: 29.88
- Value [mil. EUR]: 17.25

Green Certificates Market - June 2016

Number of registered participants on Green Certificates Market: 880

Centralized Market for Green Certificates

Green Certificates traded in June:

• Number: 681

• Average price (weighted mean)* [EUR/certificate]: 29.40

• Number of active market participants: 63

Green Certificates Bilateral Contracts Market

Green Certificates traded in June:

• Number: 270,759

• Average price (weighted mean)* [EUR/certificate]: 29.40

• Number of active market participants: 145

For more information about the Power Market results of June 2016 the reader is referred to OPCOM website: www.opcom.ro

^{*} For the month in which the weighted average price value by rounding the hundredth order is situated outside the traded limit values approved by ANRE, it will be applied the rounding down or up to the hundredth order taking into account the framing sense of the admissible limits.

| Day Ahead Market Prices (EUR/MWh) June 2016 | | | | | |
|---|------------------|-------------|------------------|---------------|-----------------|
| Base (1-24) | | Peak (9-20) | | Off-Peak (1-8 | 3 & 21-24) |
| 29.88 | ▲ +11.22% | 32.81 | + +15.07% | 26.94 | A +6.86% |

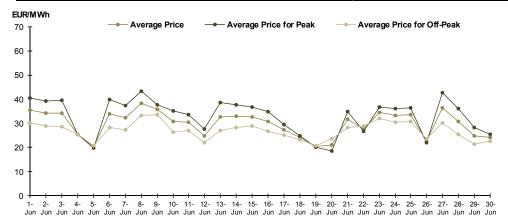


Figure 1: Daily DAM price development (base, peak and off-peak)

| Day Ahead Market | | June 2016 |
|---------------------|----------|------------------|
| Traded Volume [MWh] | | Market Share [%] |
| 1,982,190.9 | ▼ -2.47% | 47.63 |

| Centralized Market for Electricity Bilateral Contracts (CMBC-EA and CMBC-CN) June 2016 | | | | |
|---|-------|------------------|--|--|
| Delivery Volume [MWh] | | Market Share [%] | | |
| 2,585,978 |).31% | 62.14 | | |

| Centralized Market with double continuous negotiation for Electricity Bilateral Contracts June 2016 | | | | |
|--|-----------------|------------------|--|--|
| Delivery Volume [MWh] | | Market Share [%] | | |
| 2,453,992 | 4 +6.81% | 58.97 | | |

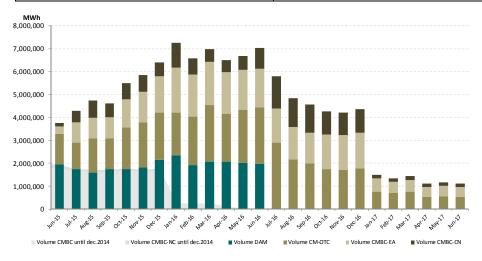


Figure 2: Monthly development for DAM transactions and deliveries according to contracts concluded on centralized market for bilateral contracts

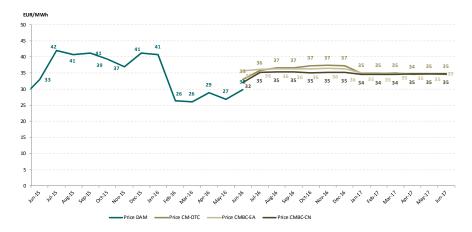


Figure 3: Monthly development for DAM average price and average price for deliveries according to concluded bilateral contracts

| Centralized Market for Green Certificates | | | June 2016 |
|---|------------------|--------------------------|----------------|
| Number of Green Certificates | | Price* [EUR/certificate] | |
| 681 | ▲ +97.97% | 29.40 | — 0.00% |



Figure 4: Monthly development for price and number of traded green certificates traded on CMGC

| Green Certificates Bilateral Con | tracts Market | | June 2016 |
|----------------------------------|---------------|--------------------------|-----------|
| Number of Green Certificates | | Price* [EUR/certificate] | |
| 270,759 | ▼ -74.68% | 29.40 | 0.00% |



Figure 5: Monthly development for price and number of traded green certificates traded on GCBCM

^{*}The price in Romanian currency was converted to EUR using the average exchange rate for the last month of the previous year published by National Bank of Romania (NBR). This reference exchange rate respects the provisions of the Law 220/27.10.2008, with further amendments and additions.

