

# Statistical bulletin

June 2023

**PRELIMINARY**

Technical Management of the System

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July-23





## 1. Evolution of gas demand

1. Conventional demand
2. Power generation
3. CCAA

## 2. Demand coverage

1. Origin of supplies
2. Interconnection Points

## 3. Renewable gases

## 4. TVB activity

## 5. Regasification Plants activity

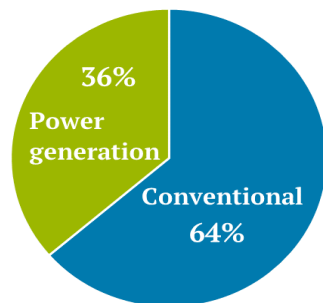
## 6. Underground Storage activity

## 7. Operating notes and other relevant facts

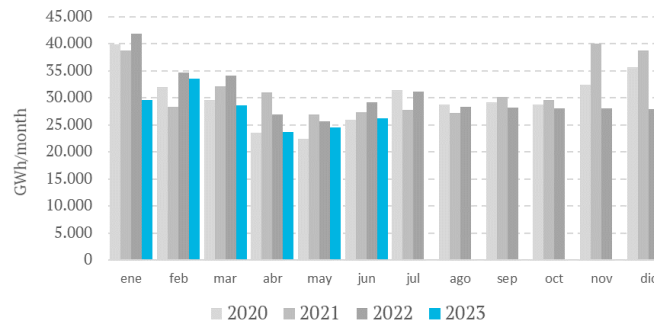
# 1. Evolution of gas demand

| GWh                                | Monthly accumulated |               | Annual accumulated |               | Moving Annual Total    |                |
|------------------------------------|---------------------|---------------|--------------------|---------------|------------------------|----------------|
|                                    | Jun-2023            | %Δ s/2022     | Jan-Jun 2023       | %Δ s/2022     | MAT: Jul 2022-Jun 2023 | %Δ MAT vs 2022 |
| <b>National Market demand</b>      | <b>26.174</b>       | <b>-10,3%</b> | <b>166.319</b>     | <b>-13,7%</b> | <b>338.048</b>         | <b>-7,2%</b>   |
| Conventional                       | 16.673              | 4,0%          | 122.719            | -10,4%        | 212.205                | -6,3%          |
| Power generation                   | 9.500               | -27,6%        | 43.600             | -21,9%        | 125.843                | -8,8%          |
| <b>International Market demand</b> | <b>5.390</b>        | <b>33,4%</b>  | <b>46.001</b>      | <b>54,7%</b>  | <b>84.257</b>          | <b>23,9%</b>   |
| International conections exports   | 4.992               | 51,2%         | 33.110             | 53,4%         | 54.657                 | 26,7%          |
| LNG Vessel loading                 | 398                 | -46,2%        | 12.892             | 58,0%         | 29.600                 | 19,0%          |
| <b>TOTAL</b>                       | <b>31.563</b>       | <b>-4,9%</b>  | <b>212.321</b>     | <b>-4,6%</b>  | <b>422.305</b>         | <b>-2,3%</b>   |

National market demand June 2023

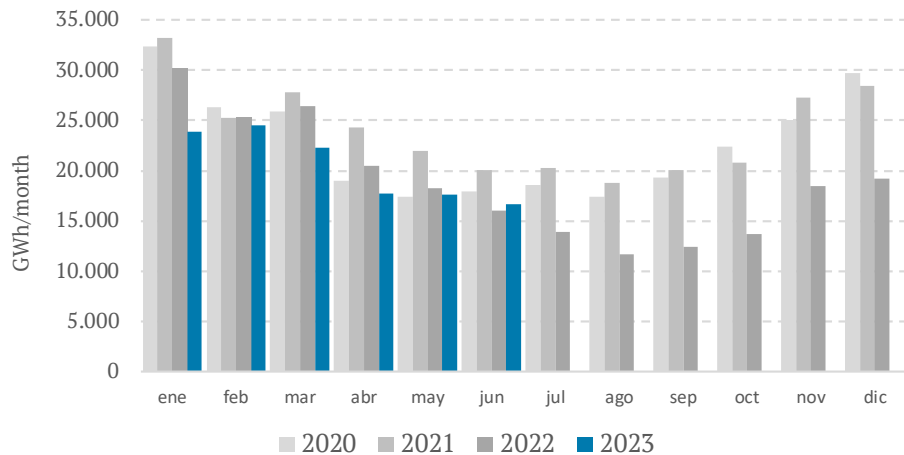


Total Demand

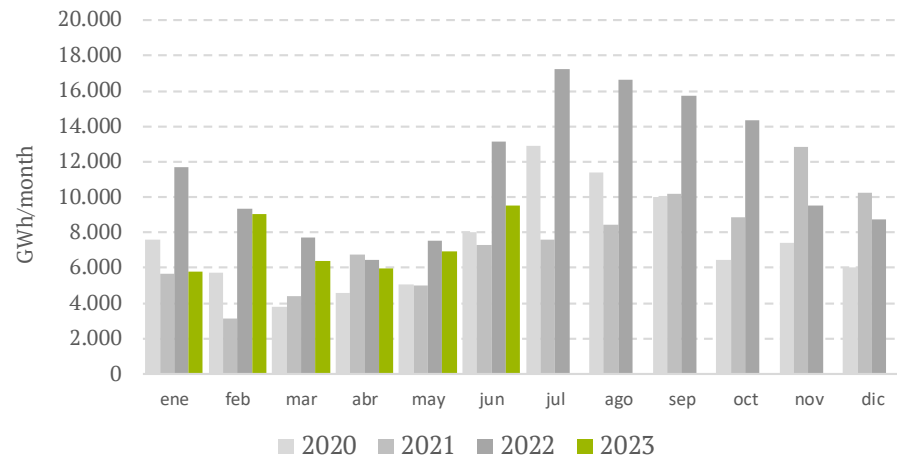


# 1. Evolution of gas demand

## Final Demand



## Demand for Power generation



# 1.1 Evolution of gas demand. Conventional

Demand  
  
 Conventional market

**+4.0%**

Higher than the previous year

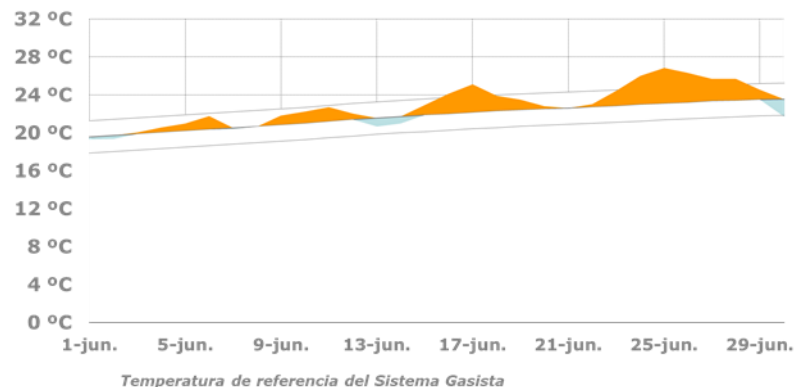
Temperatures



Without significant temperature effects

| Demand         | Conventional demand |          | Accumulated  |          | MAT         |            |
|----------------|---------------------|----------|--------------|----------|-------------|------------|
|                | Jun 2023 (*)        |          | Ene-Jun 2023 |          | Jul22-Jun23 |            |
|                | GWh                 | %23 s/22 | GWh          | %23 s/22 | GWh         | % TAM s/22 |
|                | 16.673              | 4,0%     | 122.719      | -10,4%   | 212.205     | -6,3%      |
| Calendar       |                     | 0,0%     |              | 0,2%     |             | 4,4%       |
| Temperature    |                     | -        |              | -4,1%    |             | -2,5%      |
| Amended demand |                     | 4,0%     |              | -6,5%    |             | -8,2%      |

\* The sum of the correction factors is equal to % of total demand  
 Period without significant temperature effects



# 1.2 Power generation – electricity generation mix

TWh (e)

2022 June 1<sup>st</sup> to 30<sup>th</sup>    2023 June 1<sup>st</sup> to 30<sup>th</sup>     $\Delta$  2023 vs 2022    %  $\Delta$  2023 vs 2022

Amended demand in terms of working days and temperatures



## Power generation

20.0    18.7    -1.4    -6.9%

**Wind**  
 use of installed capacity [GW]    29.0    29.6    0.6    2.2%  
 % utilization of total installed    17%    14%

**Solar**  
 use of installed capacity [GW]    19.0    23.2    4.2    22.2%  
 % utilization of total installed    27%    26%

**Hydro**    1.2    1.9    0.7    57.6%

**Rest of renewable**    0.5    0.4    -0.1    -16.2%

**Cogeneration**    1.6    1.9    0.3    17.0%

**Nuclear**    4.5    4.0    -0.4    -9.5%

**Coal**    0.8    0.3    -0.5    -62.7%

**Natural gas**    5.8    4.1    -1.8    -30.4%

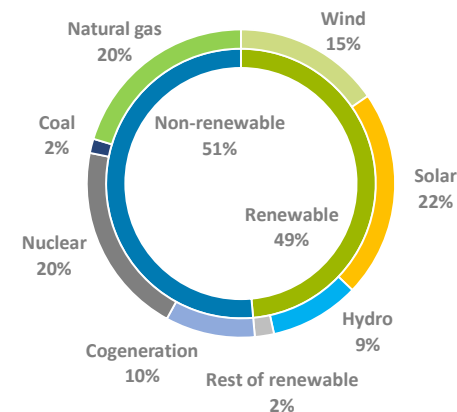
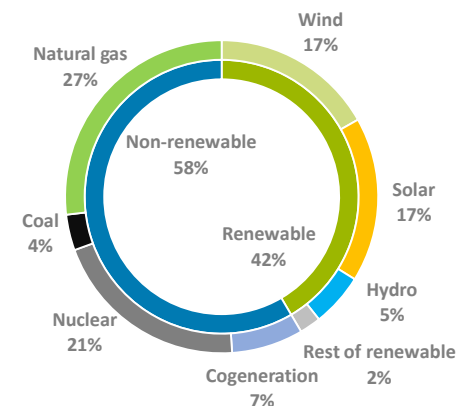
**International exchanges**    -1.5    -1.1    0.4    26.9%

export    export

France    -0.3    0.1    0.3  
 Portugal    -1.0    -1.1    -0.1  
 Morocco    -0.2    0.0    0.2

**2022**  
**Gas demand for Power Generation**  
**13.1 TWh (g)**

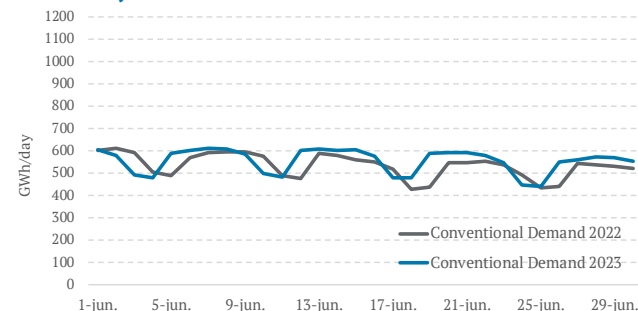
**2023**  
**Gas demand for Power Generation**  
**9.5 TWh (g)**



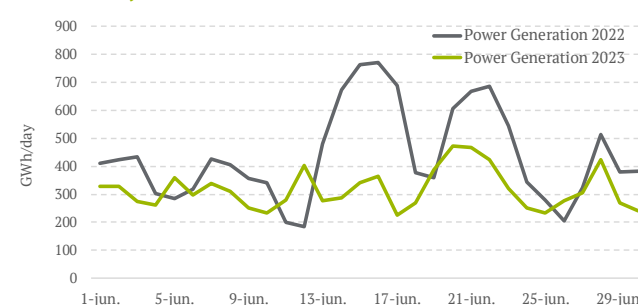
# 1.3 Evolution of CCAA gas demand

| GWh                  | CONVENTIONAL DEMAND<br>(without LNG trucks) |                | POWER GENERATION |                | LNG trucks |                |
|----------------------|---|----------------|------------------|----------------|------------|----------------|
|                      | Jun-2023                                    | %Δ vs Jun 2022 | Jun-2023         | %Δ vs Jun 2022 | Jun-2023   | %Δ vs Jun 2022 |
| Andalucía            | 2.091                                       | 6,5%           | 2.109            | -32,9%         | 187        | -0,2%          |
| Aragón               | 1.019                                       | 6,6%           | 605              | -25,7%         | 44         | -22,1%         |
| Asturias             | 387   | -5,6%          | 543              | -8,9%          | 26         | 14,8%          |
| Baleares             | 97  | 46,6%          | 786              | -20,8%         | 10         | 7,3%           |
| Cantabria            | 322   | 2,5%           | 0                | 0,0%           | 4          | -0,5%          |
| Castilla - La Mancha | 848   | 28,6%          | 0                | -100,0%        | 48         | -14,5%         |
| Castilla y León      | 1.153                                       | 10,8%          | 0                | 0,0%           | 53         | 12,8%          |
| Cataluña             | 3.000                                       | 7,2%           | 1.394            | -25,7%         | 128        | 0,0%           |
| Comunidad Valenciana | 2.064                                       | -14,9%         | 689              | -37,8%         | 103        | 15,5%          |
| Extremadura          | 135   | 13,0%          | 0                | 0,0%           | 20         | -17,0%         |
| Galicia              | 753   | -4,4%          | 1.025            | 4,4%           | 52         | 8,7%           |
| La Rioja             | 129   | 10,6%          | 69               | -44,6%         | 3          | -23,3%         |
| Madrid               | 970   | 2,0%           | 0                | 0,0%           | 151        | 431,5%         |
| Murcia               | 969   | 19,1%          | 892              | -29,7%         | 39         | -4,6%          |
| Navarra              | 380   | 8,2%           | 827              | 61,9%          | 13         | -25,2%         |
| País Vasco           | 1.427                                       | -1,3%          | 557              | -60,0%         | 36         | 89,7%          |

### Daily evolution Conventional Demand



### Daily evolution Power Generation



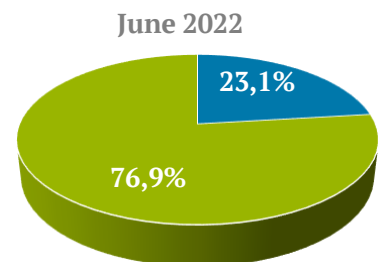
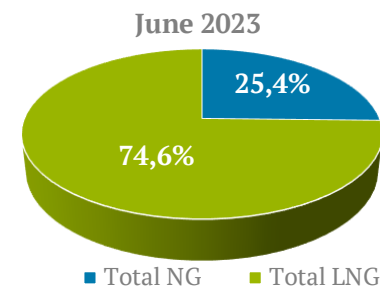


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  1. **Origin of supplies**
  2. **Interconnection Points**
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4. TVB activity
5. Regasification Plants activity
6. Underground Storage activity
7. Operating notes and other relevant facts



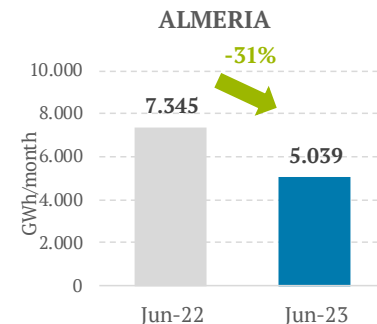
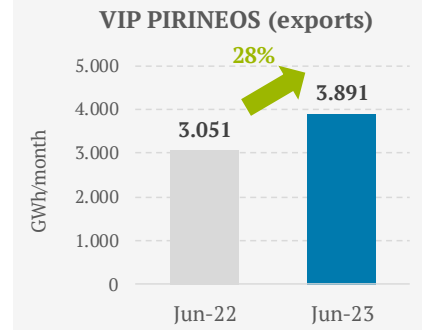
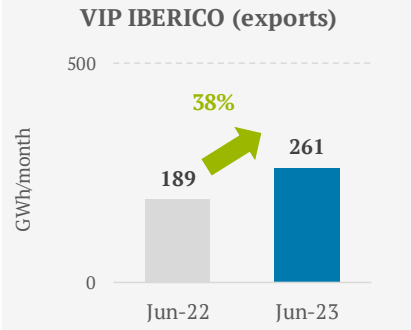
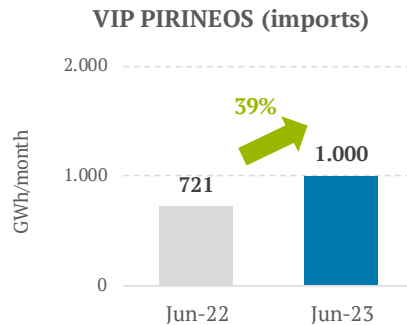
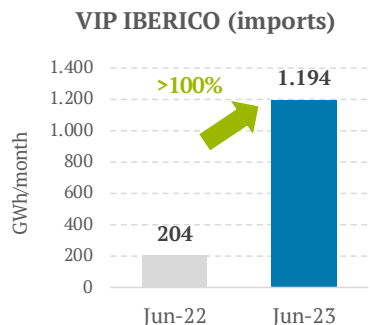
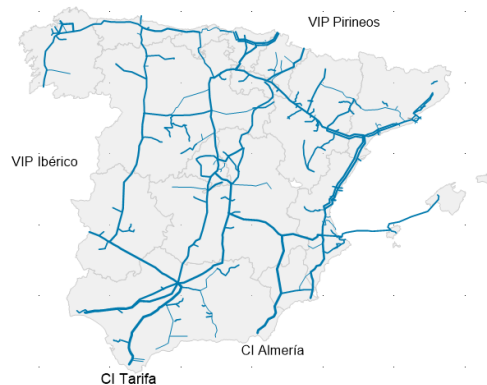
## 2.1 Demand coverage: Origin of supplies

| Unit: GWh         |     | Monthly accumulated |             | Annual accumulated |                | Moving Annual Total |                        |             |
|-------------------|-----|---------------------|-------------|--------------------|----------------|---------------------|------------------------|-------------|
|                   |     | Jun-2023            | % s TOTAL   | Jun-2022           | Jan-Jun 2023   | % s TOTAL           | MAT: Jul 2022-Jun 2023 | % s TOTAL   |
| Algeria           | NG  | 5.039*              |             | 7.345              | 42.204         |                     | 91.672                 |             |
|                   | LNG | 989                 | 21,0%       | 418                | 7.839          | 24,4%               | 8.808                  | 23,7%       |
| France            | NG  | 1.000               |             | 721                | 6.350          |                     | 21.913                 |             |
|                   | LNG | 0                   | 3,5%        | 0                  | 0              | 3,1%                | 0                      | 5,2%        |
| Angola            | LNG | 0                   | 0,0%        | 0                  | 2.059          | 1,0%                | 5.162                  | 1,2%        |
| Cameroon          | LNG | 0                   | 0,0%        | 0                  | 2.206          | 1,1%                | 4.258                  | 1,0%        |
| United States     | LNG | 5.290               | 18,5%       | 10.618             | 41.295         | 20,2%               | 92.981                 | 21,9%       |
| Equatorial Guinea | LNG | 0                   | 0,0%        | 0                  | 1.891          | 0,9%                | 4.979                  | 1,2%        |
| Nigeria           | LNG | 2.879               | 10,0%       | 3.845              | 30.176         | 14,7%               | 60.429                 | 14,2%       |
| Peru              | LNG | 2.782               | 9,7%        | 0                  | 5.865          | 1,9%                | 4.705                  | 1,1%        |
| Qatar             | LNG | 877                 | 3,1%        | 884                | 7.090          | 3,5%                | 16.258                 | 3,8%        |
| Russia            | LNG | 7.673               | 26,8%       | 8.752              | 41.145         | 20,1%               | 72.056                 | 17,0%       |
| Trinidad          | LNG | 0                   | 0,0%        | 2.079              | 3.774          | 1,8%                | 11.426                 | 2,7%        |
| Oman              | LNG | 0                   | 0,0%        | 0                  | 2.902          | 1,4%                | 5.794                  | 1,4%        |
| Belgium           | LNG | 0                   | 0,0%        | 0                  | 0              | 0,0%                | 1.094                  | 0,3%        |
| Egypt             | LNG | 900                 | 3,1%        | 999                | 3.654          | 1,8%                | 10.514                 | 2,5%        |
| Portugal          | NG  | 1.194               | 4,2%        | 204                | 6.184          | 3,0%                | 7.613                  | 1,8%        |
| Australia         | NG  | 0                   | 0,0%        | 0                  | 70             | 0,0%                | 70                     | 0,0%        |
| South Korea       | NG  | 0                   | 0,0%        | 0                  | 0              | 0,0%                | 0                      | 0,0%        |
| Indonesia         | NG  | 0                   | 0,0%        | 0                  | 0              | 0,0%                | 474                    | 0,1%        |
| Mozambique        | LNG | 0                   | 0,0%        | 0                  | 0              | 0,0%                | 542                    | 0,1%        |
| National deposits | NG  | 18                  | 0,1%        | 17                 | 118            | 0,1%                | 299                    | 0,1%        |
| National Biogas   | NG  | 16                  | 0,1%        | 8                  | 84             | 0,0%                | 166                    | 0,0%        |
| <b>TOTAL</b>      |     | <b>28.655</b>       | <b>100%</b> | <b>35.890</b>      | <b>204.768</b> | <b>100%</b>         | <b>424.632</b>         | <b>100%</b> |



\* Reduction of imports from Algeria due to annual scheduled maintenance ([link](#)), this reduction in the volume imported has been compensated by an increase in the quantities supplied from other origins.

# 2.1 Demand coverage : Interconnection Points



(\*) SL-ATR data

## 2.1 Demand coverage : Interconnection Points

### Net balances

| GWh               | Monthly accumulated |              |               | Annual accumulated |               | Moving Annual Total    |                |
|-------------------|---------------------|--------------|---------------|--------------------|---------------|------------------------|----------------|
|                   | Jun-2023            | Jun-2022     | %Δ s/2022     | Jan-Jun 2023       | %Δ s/2022     | MAT: Jul 2022-Jun 2023 | %Δ MAT vs 2022 |
| Tarifa            | -840                | -60          | >100%         | -4.578             | <-100%        | -6.400                 | >100%          |
| Almería           | 5.039               | 7.345        | -31,4%        | 42.204             | -18,0%        | 91.672                 | -9,2%          |
| VIP Ibérico       | 933                 | 14           | >100%         | 2.633              | 10,9%         | -926                   | -21,8%         |
| VIP Pirineos      | -2.891              | -2.330       | 24,1%         | -18.631            | 27,2%         | -17.804                | 28,8%          |
| National Deposits | 18                  | 17           | 6,4%          | 118                | -22,7%        | 299                    | -10,4%         |
| Biogas            | 16                  | 8            | 94,3%         | 84                 | 50,1%         | 166                    | 20,3%          |
| <b>Total</b>      | <b>2.275</b>        | <b>4.994</b> | <b>-54,4%</b> | <b>21.831</b>      | <b>-44,5%</b> | <b>67.007</b>          | <b>-20,7%</b>  |

+ Transport network input

- Transport network output

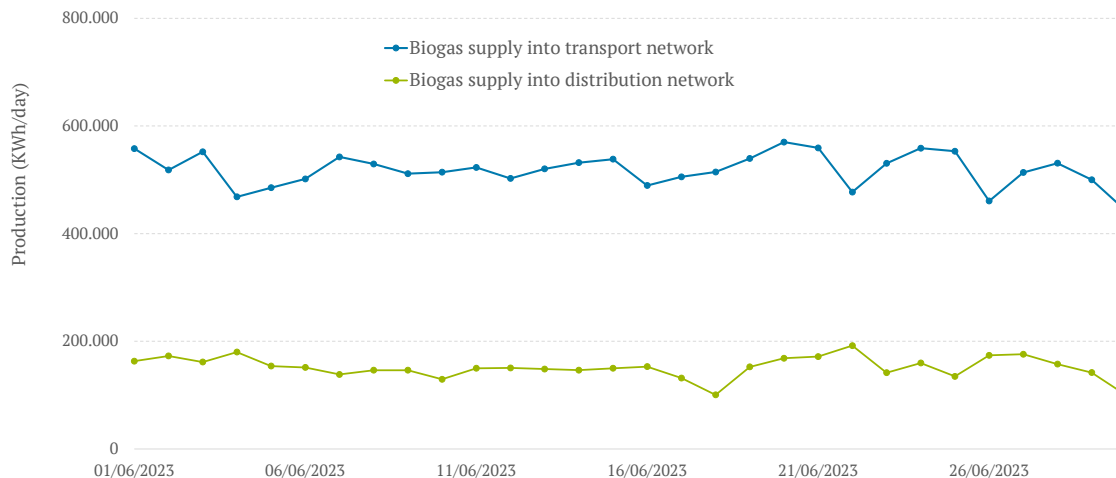


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# 3. Renewable gases

## BIOGAS production into Transport and Distribution Network

| Unidad: GWh                               | Monthly Accumulated |             |              | Annual Accumulated |              | Moving Annual Total    |              |
|---|---------------------|-------------|--------------|--------------------|--------------|------------------------|--------------|
|   | Jun-2023            | Jun-2023    | %Δ s/2022    | Jan-Jun 2023       | %Δ s/2022    | MAT: Jul 2022-Jun 2023 | %Δ s/2022    |
| BIOGAS injected into transport network    | 15,5                | 8,0         | 94,3%        | 84,1               | 50,1%        | 166,1                  | 20,3%        |
| BIOGAS injected into distribution network | 5,3                 | 3,4         | 53,4%        | 20,7               | 8,9%         | 39,4                   | 4,5%         |
| <b>Total</b>                              | <b>20,8</b>         | <b>11,4</b> | <b>82,0%</b> | <b>104,8</b>       | <b>39,7%</b> | <b>205,5</b>           | <b>16,9%</b> |



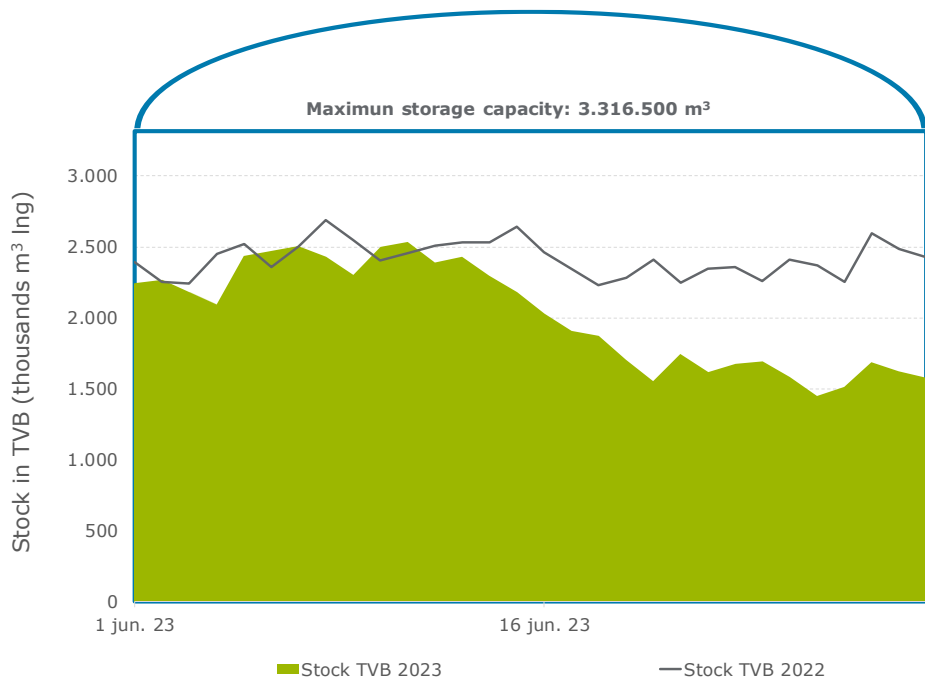
(\*) Table: Allocation data from the SL-ATR



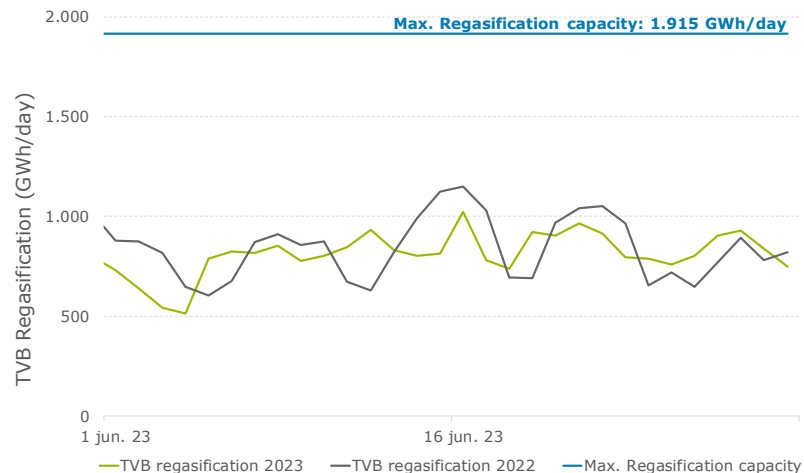
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# 4. TVB activity

## TVB stock evolution



## Regasification in TVB



### June 2023

GWh/month

|                                    |        |
|------------------------------------|--------|
| Total regasification capacity      | 57.450 |
| Contracted regasification capacity | 25.893 |
| Available regasification capacity  | 31.557 |
| Commercial regasification          | 24.346 |

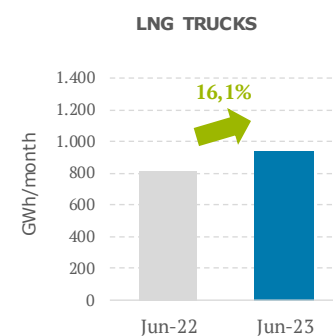
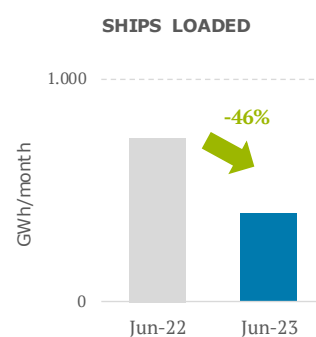
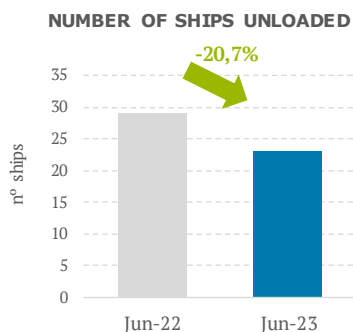
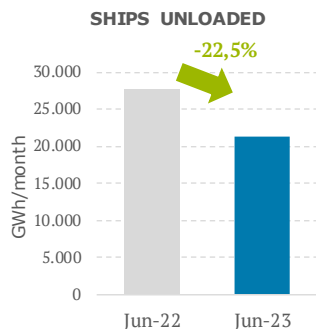


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# 5. Regasification plants activity

| GWh          | Ships Unloaded |               |               | Number of Ships Unloaded |           |               | Ships Loaded |            |             | LNG Trucks |            |              |
|--------------|----------------|---------------|---------------|--------------------------|-----------|---------------|--------------|------------|-------------|------------|------------|--------------|
|              | Jun-2023       | Jun-2022      | %Δ s/2022     | Jun-2023                 | Jun-2022  | %Δ s/2022     | Jun-2023     | Jun-2022   | %Δ s/2022   | Jun-2023   | Jun-2022   | %Δ s/2022    |
| BARCELONA    | 3.495          | 5.343         | -34,6%        | 4                        | 7         | -42,9%        | 23           | 129        | -81,8%      | 200        | 180        | 11,0%        |
| HUELVA       | 2.181          | 4.606         | -52,6%        | 2                        | 5         | -60,0%        | 122          | 41         | >100%       | 200        | 174        | 14,8%        |
| CARTAGENA    | 3.787          | 6.145         | -38,4%        | 4                        | 6         | -33,3%        | 180          | 1          | >100%       | 149        | 160        | -7,0%        |
| BILBAO       | 6.501          | 5.414         | 20,1%         | 7                        | 5         | 40,0%         | 0            | 0          | >100%       | 114        | 76         | 50,4%        |
| SAGUNTO      | 3.218          | 2.795         | 15,1%         | 4                        | 3         | 33,3%         | 0            | 568        | -100,0%     | 163        | 130        | 25,1%        |
| MUGARDOS     | 2.205          | 3.291         | -33,0%        | 2                        | 3         | -33,3%        | 72           | 0          | >100%       | 111        | 86         | 28,2%        |
| <b>Total</b> | <b>21.388</b>  | <b>27.595</b> | <b>-22,5%</b> | <b>23</b>                | <b>29</b> | <b>-20,7%</b> | <b>398</b>   | <b>739</b> | <b>-46%</b> | <b>937</b> | <b>807</b> | <b>16,1%</b> |

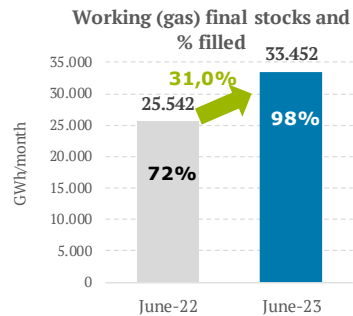
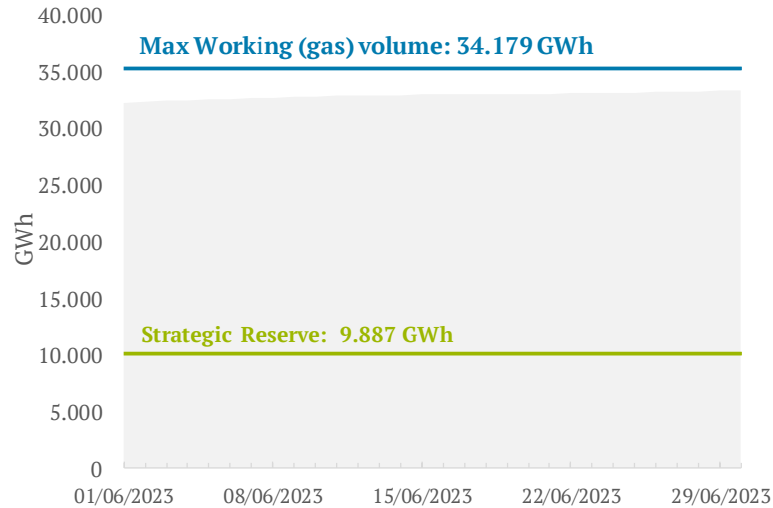




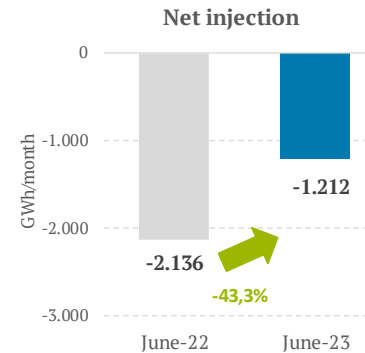
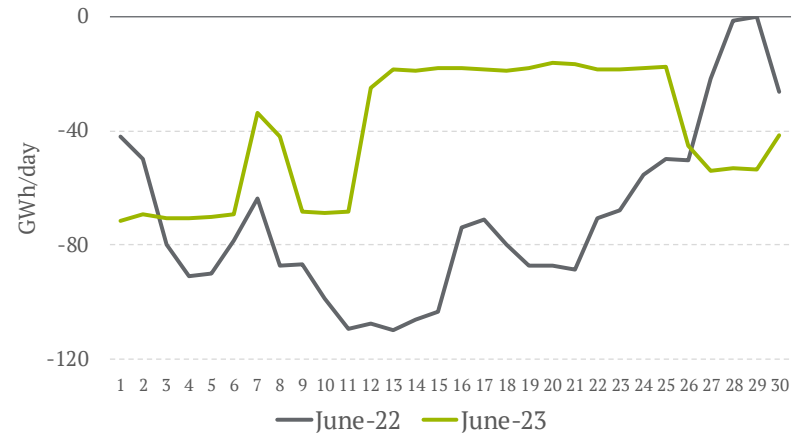
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# 6. UGS activity

## Working gas evolution



## Daily withdrawal/injection





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7. **Operating notes and other relevant facts**

# 7. Operating notes and other relevant facts

## Operating notes:

- ❑ In **June 2023**, one Operation note have been published.
  - ❖ Operation note nº5: Inicio del Comisionado de la planta de regasificación de El Musel: Primera descarga.

## Relevant facts:

- ❑ No relevant fact has been published this month.



