

Statistical bulletin

August 2023

PRELIMINARY

Technical Management of the System

GTS_DEMANDA@enagas.es



September-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

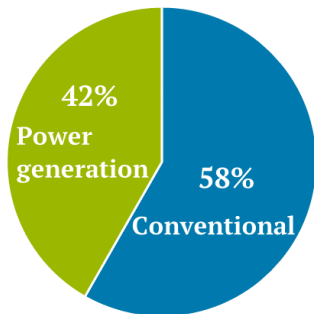
6. Underground Storage activity

7. Operating notes and other relevant facts

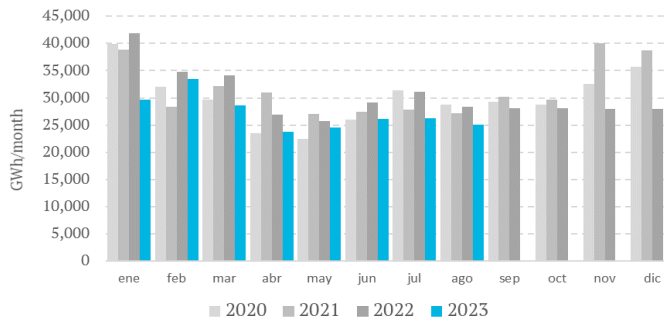
1. Evolution of gas demand

| GWh | Monthly accumulated | | Annual accumulated | | Moving Annual Total | |
|------------------------------------|---------------------|---------------|--------------------|---------------|------------------------|----------------|
| | Aug-2023 | %Δ s/2022 | Jan-Aug 2023 | %Δ s/2022 | MAT: Sep 2022-Aug 2023 | %Δ MAT vs 2022 |
| National Market demand | 25,073 | -11.6% | 217,585 | -13.7% | 329,776 | -9.5% |
| Conventional | 14,609 | 24.8% | 153,092 | -5.8% | 216,922 | -4.2% |
| Power generation | 10,464 | -37.2% | 64,493 | -28.1% | 112,854 | -18.2% |
| International Market demand | 4,827 | -30.7% | 54,526 | 33.0% | 81,520 | 19.9% |
| International connections exports | 2,571 | 11.0% | 38,993 | 42.9% | 54,828 | 27.1% |
| LNG Vessel loading | 2,256 | -51.4% | 15,533 | 13.3% | 26,692 | 7.3% |
| TOTAL | 29,900 | -15.4% | 272,111 | -7.2% | 411,296 | -4.9% |

National market demand August 2023

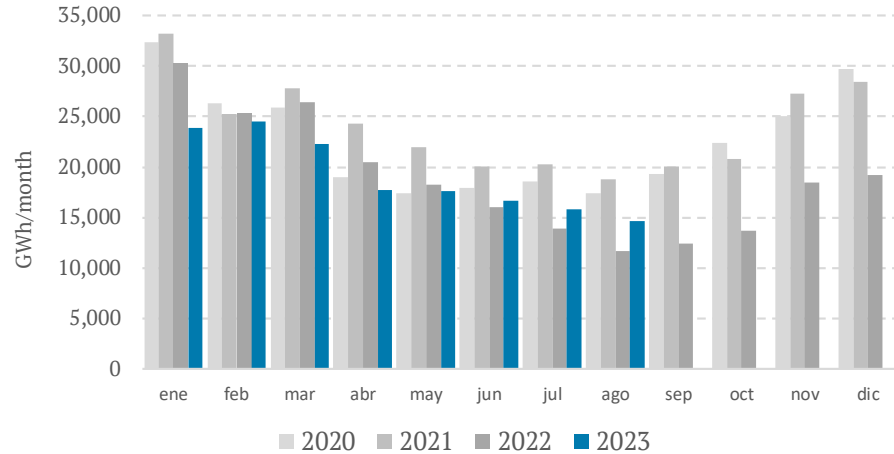


Total Demand

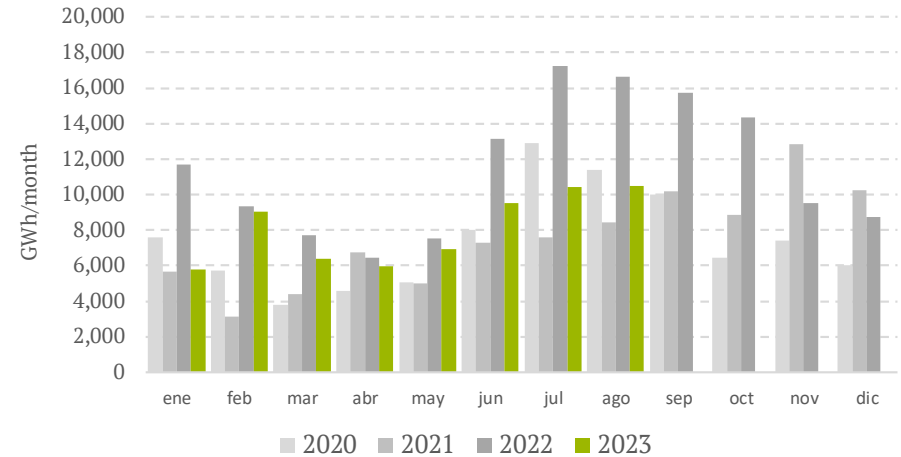


1. Evolution of gas demand

Final Demand



Demand for Power generation



1.1 Evolution of gas demand. Conventional

Demand

 Conventional market

+24.8%

Higher than the previous year

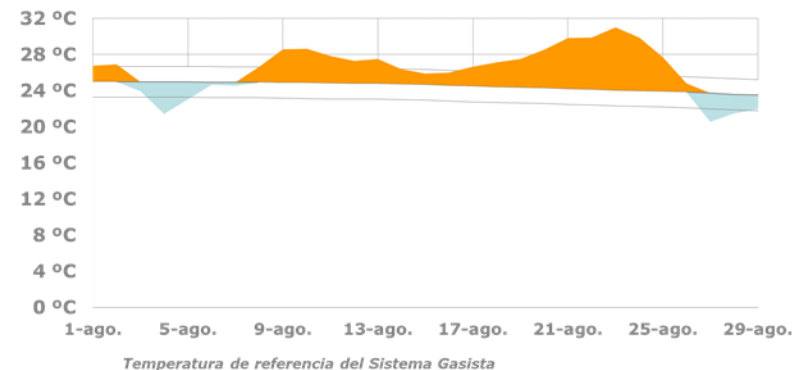
Temperatures



Without significant temperature effects

| Demand | Conventional demand | | Accumulated | | MAT | |
|----------------|---------------------|----------|--------------|----------|-------------|------------|
| | Aug 2023 (*) | | Jan-Aug 2023 | | Sep22-Aug23 | |
| | GWh | %23 s/22 | GWh | %23 s/22 | GWh | % TAM s/22 |
| | 14,609 | 24.8% | 153,092 | -5.8% | 216,922 | -4.2% |
| Calendar | | 3.7% | | 0.9% | | 0.6% |
| Temperature | | - | | -3.6% | | -2.6% |
| Amended demand | | 21.1% | | -3.2% | | -2.2% |

* 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 August 1st to 31st 2023 August 1st to 31st Δ 2023 vs 2022 % Δ 2023 vs 2022 Amended demand in terms of working days and temperatures

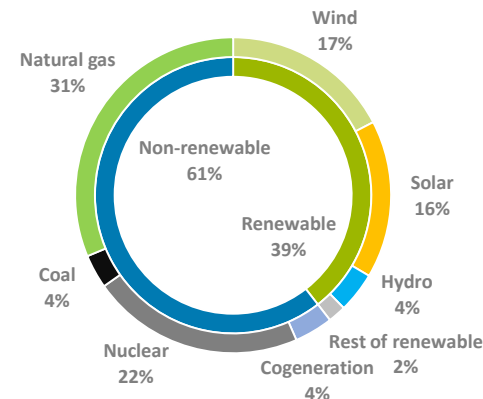
Power generation

20.5 20.2 -0.3 -1.4%

-1.4%

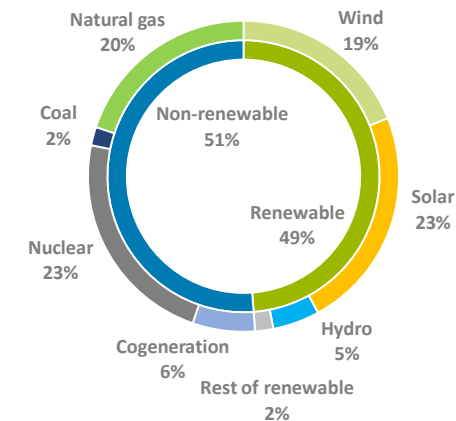
2022

Gas demand for Power Generation
16.7 TWh (g)



2023

Gas demand for Power Generation
10.5 TWh (g)

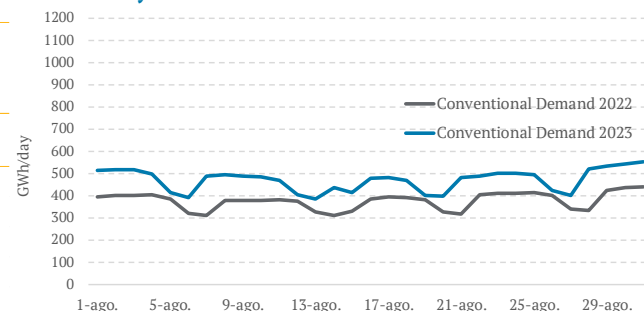


| | | | | | |
|--|----------------------------------|-------------|-------------|-------------|---------------|
| | Wind | 4.1 | 4.1 | 0.1 | 1.6% |
| | use of installed capacity [GW] | 29.1 | 29.7 | 0.6 | 2.0% |
| | % utilization of total installed | 19% | 19% | | |
| | Solar | 3.8 | 5.1 | 1.3 | 33.2% |
| | use of installed capacity [GW] | 20.1 | 24.2 | 4.1 | 20.4% |
| | % utilization of total installed | 25% | 28% | | |
| | Hydro | 1.0 | 1.1 | 0.1 | 9.6% |
| | Rest of renewable | 0.4 | 0.4 | 0.0 | -4.2% |
| | Cogeneration | 0.9 | 1.4 | 0.5 | 53.4% |
| | Nuclear | 5.1 | 5.0 | -0.1 | -2.1% |
| | Coal | 0.8 | 0.4 | -0.4 | -48.4% |
| | Natural gas | 7.4 | 4.4 | -3.0 | -40.8% |
| | International exchanges | -2.8 | -1.2 | 1.6 | 55.8% |
| | export | export | | | |
| | France | -1.5 | 0.4 | 1.8 | |
| | Portugal | -1.0 | -1.2 | -0.2 | |
| | Morocco | -0.3 | -0.4 | -0.1 | |

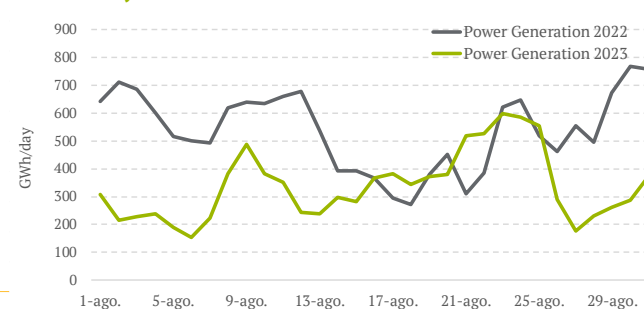
1.3 Evolution of CCAA gas demand

| GWh | CONVENTIONAL DEMAND (without LNG trucks) | | POWER GENERATION | | LNG trucks | |
|----------------------|---|----------------|------------------|----------------|------------|----------------|
| | Aug-2023 | %Δ vs Aug 2022 | Aug-2023 | %Δ vs Aug 2022 | Aug-2023 | %Δ vs Aug 2022 |
| Andalucía | 2,256 | 72.1% | 2,752 | -41.3% | 242 | 18.4% |
| Aragón | 827 | 26.7% | 490 | -27.3% | 40 | -28.8% |
| Asturias | 333 | 6.1% | 569 | -58.4% | 26 | 20.0% |
| Baleares | 91 | 30.9% | 978 | -23.2% | 9 | 6.4% |
| Cantabria | 204 | 19.1% | 0 | 0.0% | 23 | 614.9% |
| Castilla - La Mancha | 759 | 49.5% | 120 | -43.9% | 70 | -10.7% |
| Castilla y León | 936 | 14.1% | 0 | 0.0% | 52 | 45.2% |
| Cataluña | 2,713 | 25.5% | 1,457 | -29.4% | 111 | 37.4% |
| Comunidad Valenciana | 1,101 | -24.1% | 846 | -21.1% | 91 | 18.5% |
| Extremadura | 455 | 7.0% | 0 | 0.0% | 33 | 19.5% |
| Galicia | 675 | 8.5% | 788 | -37.0% | 30 | -9.6% |
| La Rioja | 130 | 39.5% | 150 | -16.7% | 4 | -23.5% |
| Madrid | 668 | 1.7% | 0 | 0.0% | 64 | 280.0% |
| Murcia | 1,169 | 92.1% | 1,246 | -43.1% | 40 | 14.7% |
| Navarra | 305 | 7.0% | 502 | -40.8% | 13 | 2.4% |
| País Vasco | 1,093 | 30.8% | 553 | -56.4% | 35 | 22.9% |

Daily evolution Conventional Demand



Daily evolution Power Generation

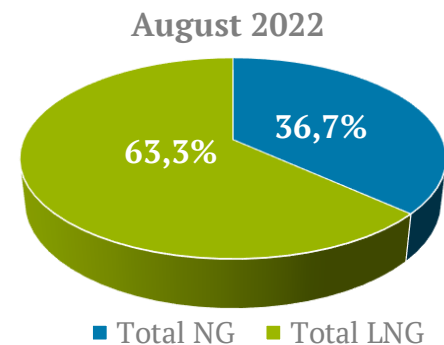
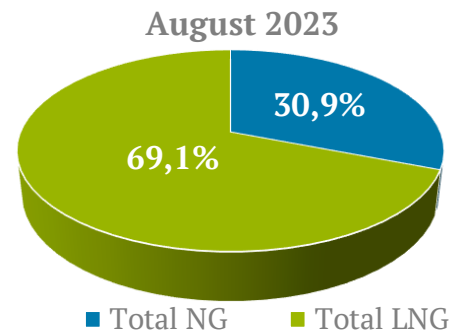




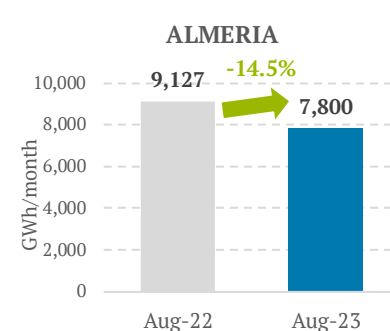
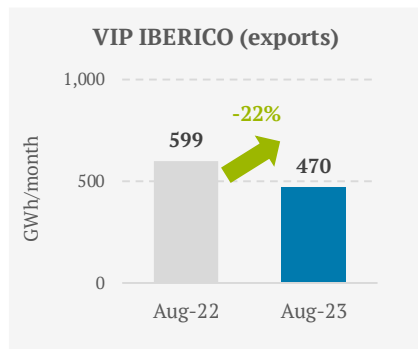
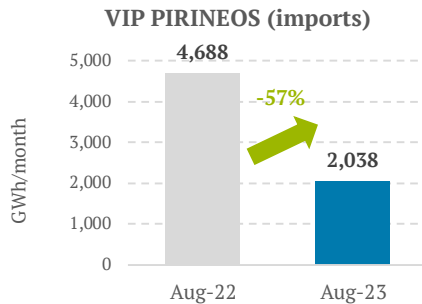
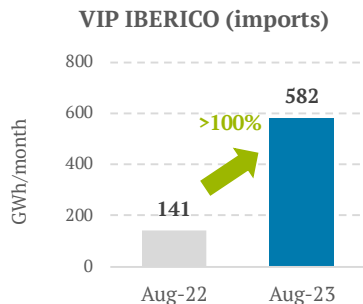
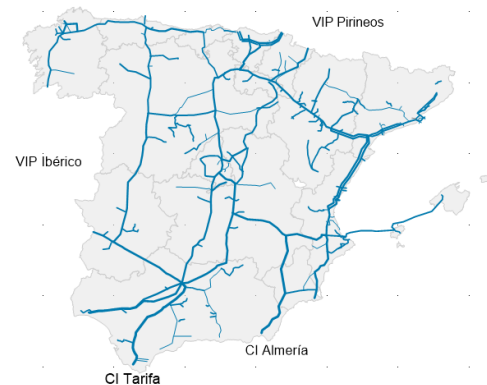
1. Evolution of gas demand
 1. Conventional demand
 2. Power generation
 3. CCAA
2. **Demand coverage**
 1. **Origin of supplies**
 2. **Interconnection Points**
3. Renewable gases
4. TVB activity
5. Regasification Plants activity
6. Underground Storage activity
7. Operating notes and other relevant facts

2.1 Demand coverage: Origin of supplies

| Unit: GWh | | Monthly accumulated | | | Annual accumulated | | Moving Annual Total | |
|-------------------|-----|---------------------|-------------|---------------|--------------------|-------------|------------------------|-------------|
| | | Aug-2023 | % s TOTAL | Aug-2022 | Jan-Aug 2023 | % s TOTAL | MAT: Sep 2022-Aug 2023 | % s TOTAL |
| Algeria | NG | 7.800 | 24,5% | 9.127 | 58.617 | 24,9% | 90.385 | 24,1% |
| | LNG | 490 | | 0 | 8.821 | | 9.791 | |
| France | NG | 2.038 | 6,0% | 4.688 | 10.091 | 3,7% | 19.404 | 4,7% |
| | LNG | 0 | | 0 | 0 | | 0 | |
| Angola | LNG | 0 | 0,0% | 0 | 3.111 | 1,2% | 5.174 | 1,2% |
| Cameroon | LNG | 0 | 0,0% | 0 | 2.206 | 0,8% | 4.258 | 1,0% |
| United States | LNG | 10.896 | 32,2% | 10.074 | 56.136 | 20,8% | 89.218 | 21,5% |
| Equatorial Guinea | LNG | 0 | 0,0% | 0 | 1.891 | 0,7% | 3.912 | 0,9% |
| Nigeria | LNG | 6.857 | 20,3% | 5.835 | 39.708 | 14,7% | 58.244 | 14,0% |
| Peru | LNG | 0 | 0,0% | 0 | 3.865 | 1,4% | 4.705 | 1,1% |
| Qatar | LNG | 878 | 2,6% | 1.653 | 8.847 | 3,3% | 14.345 | 3,5% |
| Russia | LNG | 3.322 | 9,8% | 4.505 | 53.231 | 19,7% | 74.320 | 17,9% |
| Trinidad | LNG | 0 | 0,0% | 0 | 6.487 | 2,4% | 12.597 | 3,0% |
| Oman | LNG | 0 | 0,0% | 0 | 2.902 | 1,1% | 5.794 | 1,4% |
| Belgium | LNG | 0 | 0,0% | 1.094 | 0 | 0,0% | 0 | 0,0% |
| Egypt | LNG | 0 | 0,0% | 0 | 3.654 | 1,4% | 9.462 | 2,3% |
| Portugal | NG | 582 | 1,7% | 141 | 7.633 | 2,8% | 8.793 | 2,1% |
| 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 | 25 | 0,1% | 0 | 165 | 0,1% | 325 | 0,1% |
| National Biogas | NG | 14 | 0,0% | 12 | 114 | 0,0% | 169 | 0,0% |
| TOTAL | | 33.834 | 100% | 38.066 | 270.343 | 100% | 415.395 | 100% |



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 | |
|-------------------|---------------------|---------------|---------------|--------------------|---------------|------------------------|----------------|
| | Aug-2023 | Aug-2022 | %Δ s/2022 | Jan-Aug 2023 | %Δ s/2022 | MAT: Sep 2022-Aug 2023 | %Δ MAT vs 2022 |
| Tarifa | -958 | -119 | >100% | -6,376 | <-100% | -7,906 | >100% |
| Almería | 7,800 | 9,127 | -14.5% | 58,617 | -15.3% | 90,385 | -10.5% |
| VIP Ibérico | 112 | -458 | <-100% | 3,151 | 66.1% | 69 | <-100% |
| VIP Pirineos | 895 | 3,092 | -71.1% | -18,044 | 38.0% | -18,793 | 35.9% |
| National Deposits | 25 | 0 | >100% | 165 | -5.1% | 325 | -2.6% |
| Biogas | 14 | 12 | 13.6% | 115 | 37.9% | 170 | 22.8% |
| Total | 7,888 | 11,654 | -32.3% | 37,627 | -35.0% | 64,248 | -24.0% |

+ Transport network input

- Transport network output

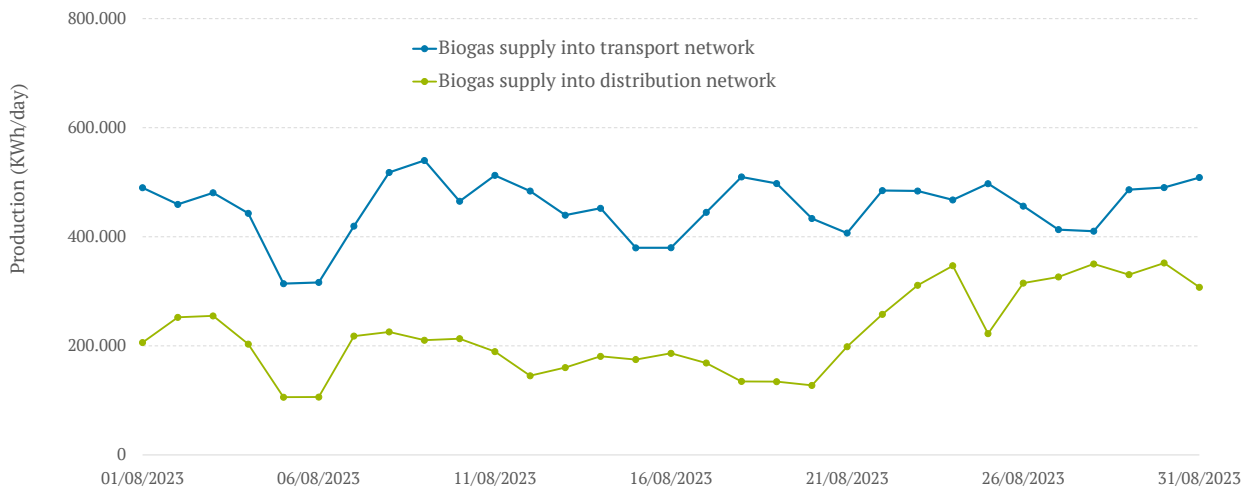


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3. Renewable gases

BIOGAS production into Transport and Distribution Network

| Unidad: GWh | Monthly Accumulated | | | Annual Accumulated | | Moving Annual Total | |
|---|---------------------|-------------|--------------|--------------------|--------------|------------------------|--------------|
| | Aug-2023 | Aug-2023 | %Δ s/2022 | Jan-Aug 2023 | %Δ s/2022 | MAT: Sep 2022-Aug 2023 | %Δ s/2022 |
| BIOGAS injected into transport network | 16,6 | 14,8 | 11,9% | 114,7 | 37,9% | 169,5 | 22,8% |
| BIOGAS injected into distribution network | 8,9 | 3,6 | 149,1% | 36,5 | 39,5% | 48,0 | 27,4% |
| Total | 25,4 | 18,4 | 38,5% | 151,2 | 38,3% | 217,6 | 23,8% |



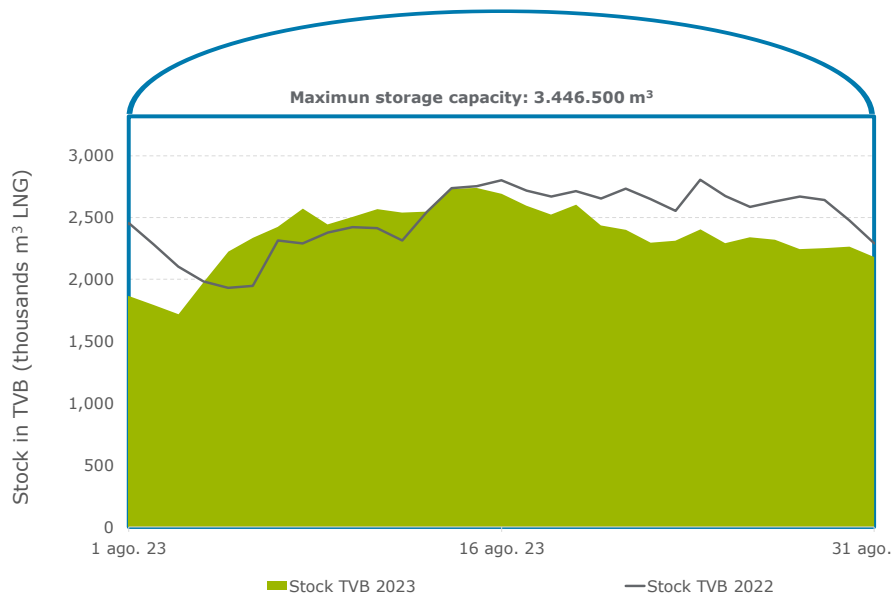
(*) Table: Allocation data from the SL-ATR



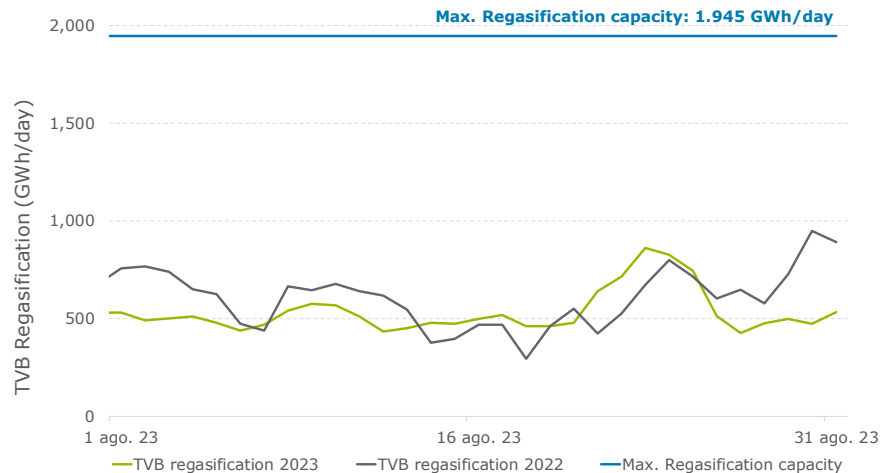
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4. TVB activity

TVB stock evolution



Regasification in TVB



August 2023

GWh/month

| | |
|------------------------------------|--------|
| Total regasification capacity | 60,295 |
| Contracted regasification capacity | 17,667 |
| Available regasification capacity | 42,628 |
| Commercial regasification | 16,562 |

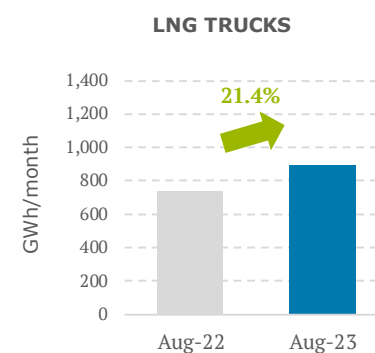
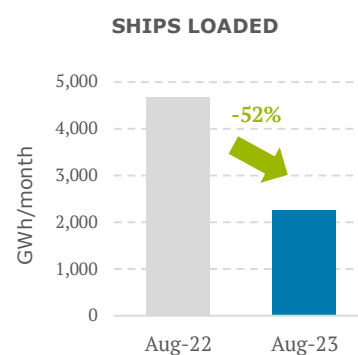
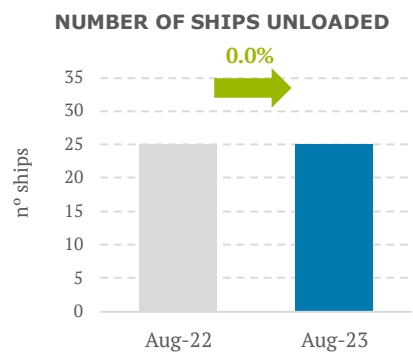
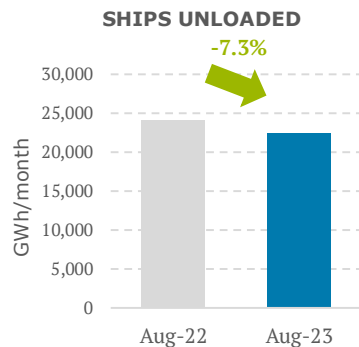
* Due to the commissioning of the El Musel plant, the nominal regasification capacity from TVB has been increased by the amount strictly necessary for the efficient management of boil-off gas in accordance with the environmental requirements to which this plant is subject.



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5. Regasification plants activity

| GWh | Ships Unloaded | | | Number of Ships Unloaded | | | Ships Loaded | | | LNG Trucks | | |
|--------------|----------------|---------------|--------------|--------------------------|-----------|-------------|--------------|--------------|-------------|------------|------------|--------------|
| | Aug-2023 | Aug-2022 | %Δ s/2022 | Aug-2023 | Aug-2022 | %Δ s/2022 | Aug-2023 | Aug-2022 | %Δ s/2022 | Aug-2023 | Aug-2022 | %Δ s/2022 |
| BARCELONA | 1,981 | 3,709 | -46.6% | 2 | 4 | -50.0% | 182 | 1,387 | -86.9% | 154 | 137 | 12.3% |
| HUELVA | 3,430 | 5,016 | -31.6% | 4 | 5 | -20.0% | 34 | 2,111 | -98.4% | 270 | 215 | 25.8% |
| CARTAGENA | 4,097 | 2,045 | >100% | 5 | 3 | 66.7% | 1,135 | 0 | >100% | 129 | 125 | 3.0% |
| BILBAO | 6,402 | 6,193 | 3.4% | 6 | 6 | 0.0% | 0 | 302 | -100.0% | 106 | 71 | 48.9% |
| SAGUNTO | 4,637 | 5,397 | -14.1% | 6 | 5 | 20.0% | 904 | 857 | 5.5% | 153 | 124 | 23.1% |
| MUGARDOS | 1,799 | 1,736 | 3.6% | 2 | 2 | 0.0% | 0 | 0 | >100% | 73 | 64 | 12.5% |
| MUSEL (*) | 0 | | >100% | 0 | | >100% | 0 | | - | 11 | | >100% |
| Total | 22,344 | 24,097 | -7.3% | 25 | 25 | 0.0% | 2,256 | 4,658 | -52% | 896 | 738 | 21.4% |



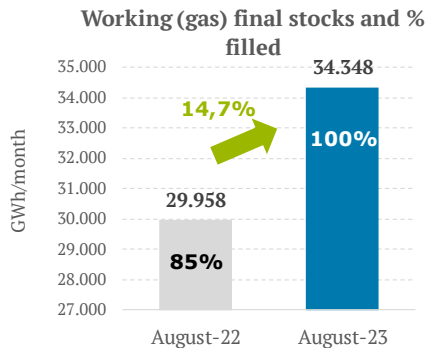
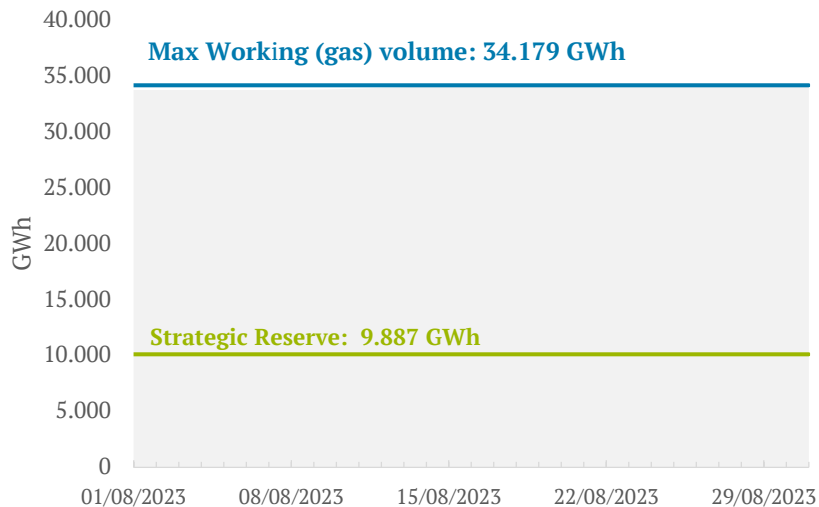
(*) Unloads at El Musel terminal in order to carry out the commissioning of the terminal.



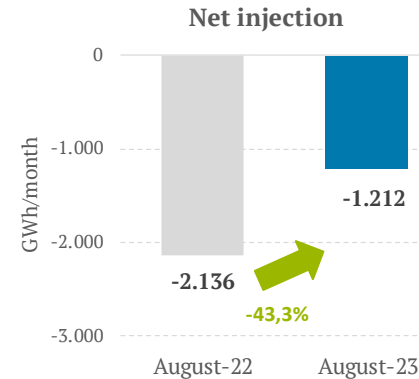
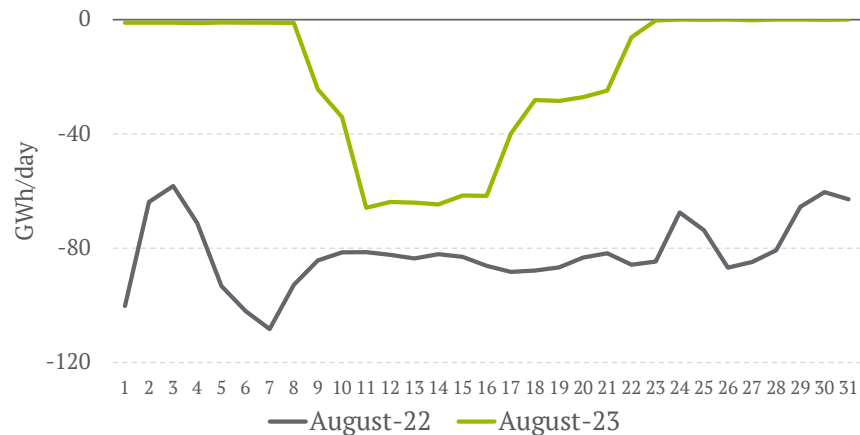
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6. UGS activity

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 **August 2023**, no Operation note have been published.

Relevant facts:

- No relevant fact has been published this month



