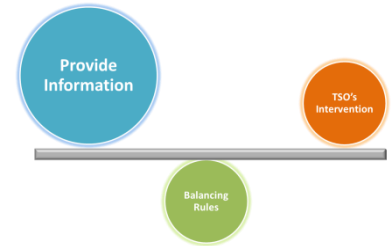# Balancing
Gas system information provision

12 June 2018

GRTgaz balancing in a nutshell

-> 2 balancing zones including 3 balancing areas

- ✓ North zone (= GRTgaz North balancing area + PEG nord VTP)
- ✓ TRS zone (= GRTgaz South balancing area + Teréga balancing area + TRS VTP)
- ✓ Imbalance settlements per balancing area (GRTgaz North & GRTgaz South)

-> « Base case » information provision system
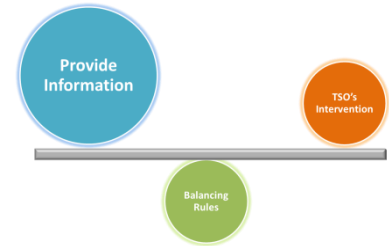**-> No within-day obligations**
-> No balancing services used
-> Linepack flexibility service offered

As from 1st November 2018:

1 single balancing zone including 2 balancing areas
TRF entry/exit system consisting in an unique French market place based on PEG VTP and both GRTgaz & Teréga balancing areas

Information provision

Personal information re shipper's portfolio:

➤ _Every hour_: intraday metered flows for delivery points to shipper's customers directly connected to GRTgaz network

➤ _Updated twice a day_: intraday metered flows for shipper's customers connected to DSO's networks (data sourced from DSO)

➤ _Non-daily metered off-takes (profiled consumers on distribution networks)_: Forecast for the gas day D updated at every nomination cycle of D-1 and D (data sourced from DSO)

Via TRANS@ctions

Information provision
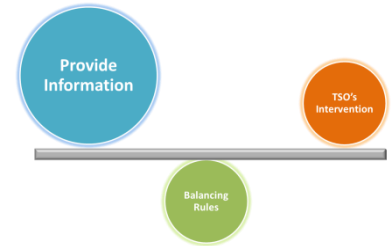
Information published per balancing zone related to the status of the system:

Every hour: **End-of-Day Projected Closing Linepack** (indicator of the network's tension)

Hourly publication of the **Weighted Average Price** and the **Marginal Price**

Updated every hour, the **global consumption forecast**, categorized by type of consumers.

Via

Via

| CAPACITIES | FLOWS | CONSUMPTIONS | GAS EXCHANGES AT PEG | BALANCING | MAINTENANCE SCHEDULE | INTRA-DAY FLEXIBILITY | CONGESTION |

Last refresh : 30/05/2018 16:27   Definitions

Gas day	k0 value
Current	1.205299
Coming	1.244809

South - Public network data - From 30-05-2018 to 31-05-2018

| Data concerning selected gas day			
Gas day	Forecast of consumption on public distribution network	Forecast of consumption of profiled clients on public distribution network	Forecast of consumption of unprofiled clients on public distribution network	k0
30/05/2018	82603822	56018437	26585385	1.205299
31/05/2018	84939507	62557665	22381842	1.244809

Smart GRTgaz

| CAPACITIES | FLOWS | CONSUMPTIONS | GAS EXCHANGES AT PEG | BALANCING | MAINTENANCE SCHEDULE | INTRA-DAY FLEXIBILITY | CONGESTION |

Consumptions › Daily data › South

Last refresh : 30/05/2018 15:25   Definitions

Consumption - Daily data

	All GRTgaz's customers			Industrial customers except HMS		HMS		Public distribution	
	GRTgaz's forecast	Shippers' forecast	Consumption	GRTgaz's forecast	Consumption	GRTgaz's forecast	Consumption	GRTgaz's forecast	Consumption
29/05/2018	168 444 062.0 (8)	171 823 349.0	169 617 009.0	83 823 452.0 (8)	84 024 411.0	146 933.0 (8)	77 721.0	84 473 677.0 (8)	84 731 769.0
30/05/2018	179 594 841.0 (8)	185 698 425.0		84 701 772.0 (8)		12 459 816.0 (8)		82 433 253.0 (8)	
31/05/2018	168 857 659.0 (5)	160 409 676.0		82 019 531.0 (5)		0		84 939 507.0 (5)	

The number into brackets next to GRTgaz's forecast corresponds to the version of the forecast for a given gasday. More information on forecast publication can be found below.

Consumption > Daily data > South - From 23-05-2018 to 31-05-2018
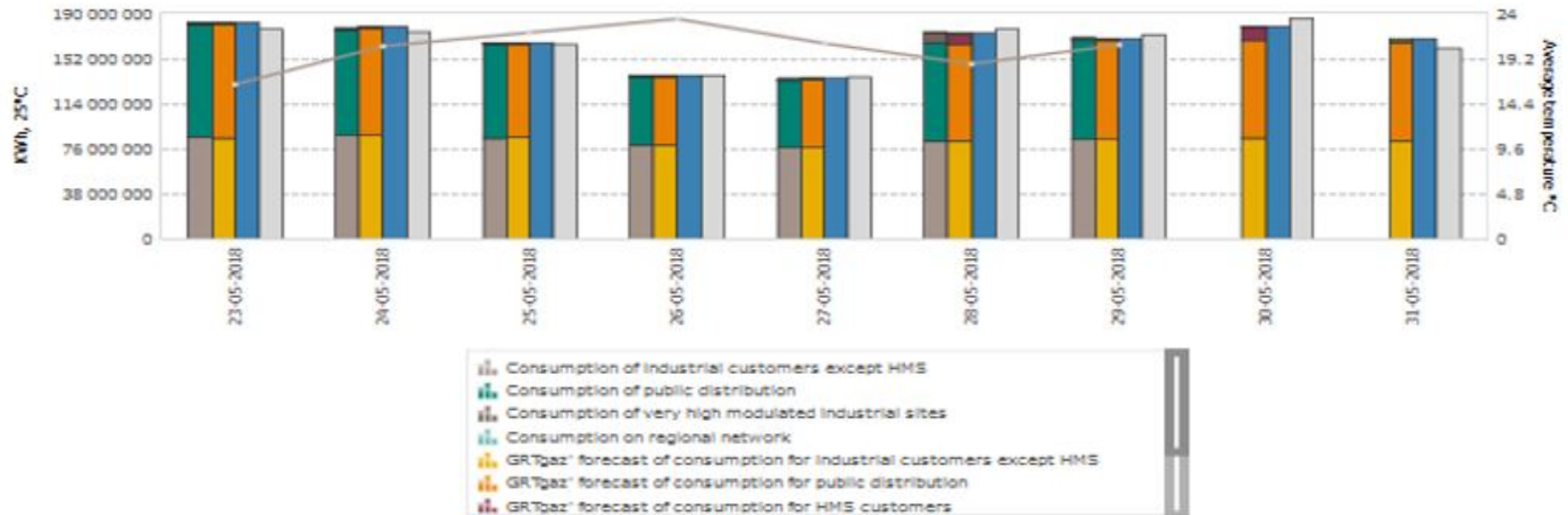
For a given gasday, GRTgaz updates its forecast of consumption for each category of clients (Industrials excluding HMS, HMS, PIRR, distribution) up to 8 times.

- Forecast 1 is estimated on D-5
- Forecast 2 is estimated on D-4
- Forecast 3 is estimated on D-3
- Forecast 4 is estimated on D-2
- Forecast 5 is estimated on D-1 before 5pm
- Forecast 6 is estimated on D-1 after 5pm
- Forecast 7 is estimated intraday before 3pm
- Forecast 8 is estimated intraday after 3pm

Quality of consumption forecasts monitoring

NRA criteria for each balancing area

|forecast at D-1 5pm – final allocation| < 4% = very good quality
|forecast at D 3pm – final allocation| < 3% = very good quality

10 € bonus every 1/10% below the threshold

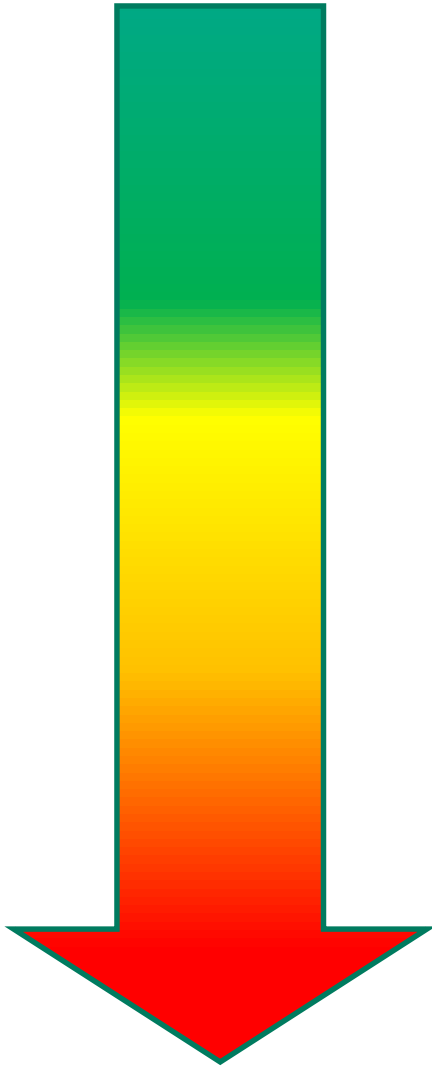4% ≤ |forecast at D-1 5pm – final allocation| < 7% = acceptable quality
3% ≤ |forecast at D 3pm – final allocation| < 5% = acceptable quality

|forecast at D-1 5pm – final allocation| ≥ 7% = poor quality
|forecast at D 3pm – final allocation| ≥ 5% = poor quality

40 € penalty every 1/10% beyond the threshold

Bonus/penalty capped at +/- 600 k€ per year

Summary

Scheduling
For the network most efficient operation

Information provision
On the status of the system (global information), on metered off-takes of consumers (personal information for shippers)

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Incentivize through balancing actions
By trading title products in order to influence the marginal price if the system tends to go out of its operational limits

powernext

Further balancing actions
Via locational products if incentive is not sufficient (merit order)

GRTgaz

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