

Natural gas imports & exports in Spain by country

October 2016

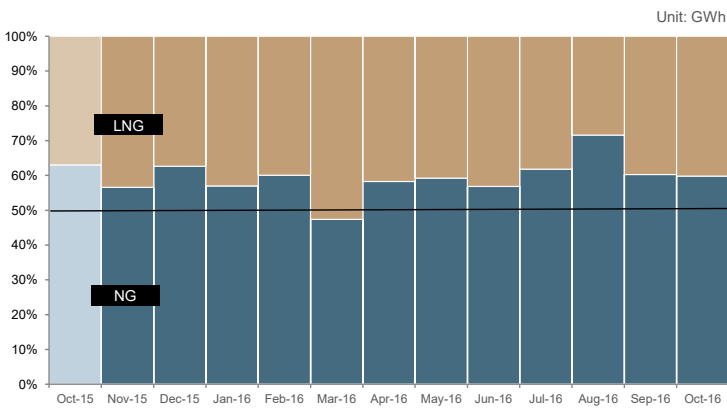
Net imports of natural gas fall slightly (-0.5%) to 26,481 GWh this month, 7.4% higher than in September. Increases in LNG imports (+6.7%), while those made through the pipeline (-5.5%) decrease.

Slight decrease in natural gas net imports to Spain [-0.5% vs. October 2015]

In Octubre, imports fall (-2.1% vs. Oct-15, 29,238 GWh), reaching 40.2% of net supplies. By geographical area, supplies from Central and South America continue to rise, all of them from Peru (9.9% of the total). Likewise, imports from Europe and Euroasia increased (+40.3%), due to the rise in Norway (12.6% of the total). However, supplies from Africa (-16.4%) decreased as a result of the reduction in both Algeria and Nigeria (-18.6% and -9.5%, respectively). In the YTD, the main suppliers of natural gas to Spain are Algeria (57.8%), Nigeria (14.8%) and Norway (10.7%).

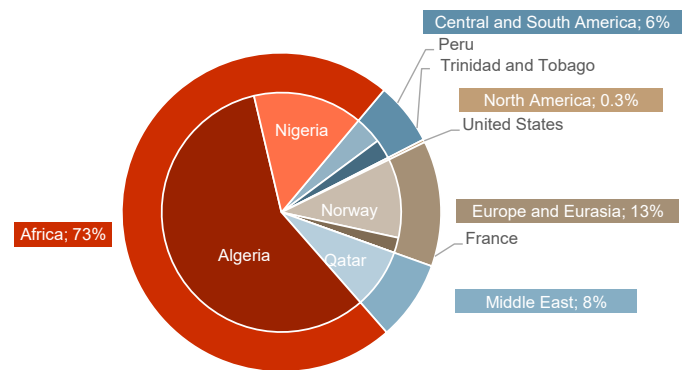
Exports stand at 2,757 GWh (-15.2% vs. Oct-15), declining year-on-year in the last seven months, decreasing both liquid (-85.2%) and pipeline exports (-11,8%). In the year-to-date, exports decreased by 21.4%, with 95.2% by gas pipeline and the remaining 4.8% LNG.

Import weight by type of supply



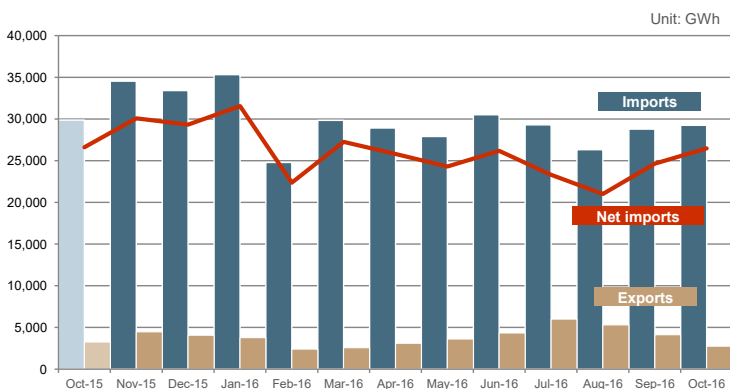
Source: Cores

Import distribution by geographical areas January-October 2016



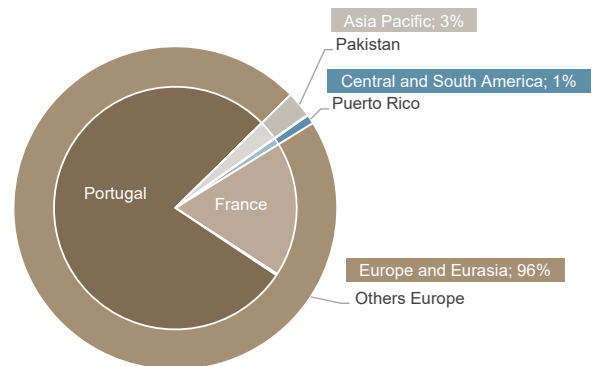
Source: Cores

Imports vs. exports



Source: Cores

Export distribution by geographical areas January-October 2016



Source: Cores

Net imports

Unit: GWh

	October 2016			Year-to-date		Rolling year		
	Net. imports	VR (%) (*)	Weight (%)	Net. imports	VR (%) (*)	Net. imports	VR (%) (*)	Weight (%)
TOTAL NET IMPORTS	26,481	-0.5	100.0	252,902	2.1	312,315	3.4	100.0
NG	14,770	-5.5	55.8	135,540	-0.8	170,241	0.2	54.5
LNG	11,711	6.7	44.2	117,362	5.6	142,074	7.6	45.5
OECD	1,686	-2,730.0	6.4	1,208	-173.7	1,101	-57.4	0.4
Non-OECD	24,795	-7.0	93.6	251,694	0.9	311,214	4.0	99.6

Source: Cores

(*) Rate of variation compared to the same period of previous year (see note 3)

(**) Weight of imports does not correspond with the diversification of supply under Article 21 of Royal Decree 1716/2004

NOTE: Other outputs of the system are not included in the OECD and Non-OECD breakdown

Natural gas imports by country

Unit: GWh

	October 2016			Year-to-date		Rolling year		
	Imports	VR (%) (*)	Weight (%)	Imports	VR (%) (*)	Imports	VR (%) (*)	Weight (%)
Algeria	14,988	-18.6	51.3	168,025	-3.6	211,113	2.8	58.8
NG	13,992	-15.6	47.9	141,525	-0.6	174,540	4.3	48.6
LNG	996	-45.8	3.4	26,500	-17.2	36,573	-3.8	10.2
Nigeria	5,129	-9.5	17.5	43,054	17.7	49,800	15.1	13.9
Africa	20,116	-16.4	68.8	211,079	^	260,913	4.9	72.7
Peru	2,905	-	9.9	10,817	19.9	12,592	1.1	3.5
Trinidad and Tobago	-	-100.0	-	7,660	-30.6	9,383	-35.0	2.6
Central and South America	2,905	242.4	9.9	18,477	-7.9	21,975	-18.3	6.1
United States	-	-	-	846	-	846	-	0.2
North America	-	-	-	846	-	846	-	0.2
France	759	-6.9	2.6	5,996	-45.1	7,822	-42.7	2.2
NG	759	-6.9	2.6	5,995	-45.1	7,821	-42.7	2.2
LNG	-	-	-	1	-	1	-	^
Norway	3,682	56.9	12.6	31,029	17.2	36,676	4.6	10.2
NG	2,744	91.0	9.4	24,200	30.8	29,847	18.7	8.3
LNG	938	3.1	3.2	6,829	-14.5	6,829	-31.1	1.9
Portugal NG	-	-100.0	-	-	-100.0	-	-	-
Europe and Eurasia	4,442	40.3	15.2	37,025	-1.0	44,498	-8.6	12.4
Oman	-	-	-	-	-100.0	-	-100.0	-
Qatar	1,775	^	6.1	23,495	-12.5	30,657	-4.7	8.5
Middle East	1,775	^	6.1	23,495	-15.6	30,657	-12.4	8.5
Total	29,238	-2.1	100.0	290,922	-1.8	358,888	-0.1	100.0
NG	17,495	-7.1	59.8	171,720	^	212,208	2.9	59.1
LNG	11,743	6.4	40.2	119,201	-4.2	146,680	-4.2	40.9
OECD	4,442	40.3	15.2	37,870	1.2	45,344	-6.9	12.6
Non-OECD	24,796	-7.1	84.8	253,051	-2.2	313,545	1.0	87.4

Source: Cores

Natural gas exports by country

Unit: GWh

	October 2016			Year-to-date		Rolling year		
	Exports	VR (%) (*)	Weight (%)	Exports	VR (%) (*)	Exports	VR (%) (*)	Weight (%)
Egypt	-	-	-	-	-100.0	-	-100.0	-
Africa	-	-	-	-	-100.0	-	-100.0	-
Canada	-	-	-	-	-100.0	-	-100.0	-
North America	-	-	-	-	-100.0	-	-100.0	-
Argentina	-	-	-	-	-100.0	-	-100.0	-
Brasil	-	-	-	-	-100.0	960.3	-46.1	2.1
Puerto Rico	-	-	-	350.5	-	350.5	-	0.8
Central and South America	-	-	-	350.5	-87.9	1,310.9	-65.2	2.8
Andorra	0.6	-	^	1.8	-	1.8	-	^
Cyprus	-	-	-	-	-100.0	-	-100.0	-
Slovenia	-	-	-	0.6	-	0.6	-30.5	^
France	82.4	-49.2	3.0	6,824.3	17.9	6,879.0	18.4	14.8
NG	62.7	-54.8	2.3	6,560.3	17.8	6,574.8	18.0	14.1
LNG	19.7	-16.7	0.7	264.0	21.0	304.1	28.0	0.7
Greece	-	-	-	-	-	-	-100.0	-
Italy	4.5	-41.7	0.2	60.3	-21.0	727.6	689.5	1.6
Macedonia	-	-	-	-	-100.0	-	-100.0	-
Portugal	2,668.3	-12.8	96.8	29,767.7	0.4	35,552.1	15.1	76.3
NG	2,662.7	-12.8	96.6	29,619.7	0.3	35,392.3	15.0	76.0
LNG	5.6	-10.8	0.2	148.0	32.9	159.8	35.2	0.3
Switzerland	0.9	-42.2	^	9.7	13.5	11.5	21.4	^
Turkey	-	-	-	-	-	-	-100.0	-
Europe and Eurasia	2,756.6	-14.7	100.0	36,664.5	2.7	43,172.6	9.2	92.7
Kuwait	-	-	-	-	-100.0	-	-100.0	-
Middle East	-	-	-	-	-100.0	-	-100.0	-
South Korea	-	-	-	-	-100.0	-	-100.0	-
India	-	-	-	-	-100.0	-	-100.0	-
Japan	-	-	-	-	-100.0	1,072.3	-70.8	2.3
Malaysia	-	-	-	-	-100.0	-	-100.0	-
Pakistan	-	-	-	985.4	-1.0	985.4	-1.0	2.1
Asia Pacific	-	-	-	985.4	-82.8	2,057.7	-79.3	4.4
Other outputs of the system (1)	-	-100.0	-	19.3	-89.6	32.3	-85.3	^
Total	2,756.6	-15.2	100.0	38,019.8	-21.4	46,573.5	-18.8	100.0
NG	2,725.4	-14.6	98.9	36,180.0	3.1	41,967.2	15.5	90.1
LNG	31.2	-48.5	1.1	1,839.8	-86.2	4,606.3	-78.1	9.9
OECD	2,756.0	-14.7	100.0	36,662.7	-6.1	44,243.1	-4.1	95.0
Non-OECD	0.6	-97.2	^	1,357.1	-85.5	2,330.4	-79.2	5.0

Source: Cores

(*) Rate of variation compared to the same period of previous year (see note 3)

(1) Gassing up operations of ships. Breakdown available since January 2014.

- equals 0.0 / ^ other than 0.0 / n.a.: not applicable

Note 1: all imports / exports are in the form of LNG, unless indicated otherwise.

Note 2: the weight of imports does not match the supply diversification under Article 21 of Royal Decree 1716/2004.

Nota 3: In order to adapt to European legislation, since January 2015, the concept of gas transit contract has been changed, being considered hereinafter as import and export.