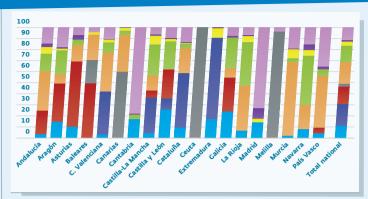


Electrical power balance (GWh)

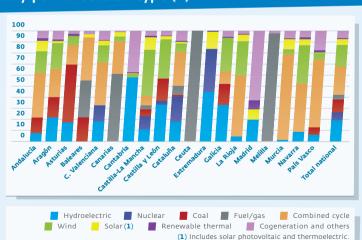
					.م	*			Manche	eon
	Andalucia	Aragón	Asturias	Baleates	C. Valentian	Canarias	Cantabria	Castilla La V	gandra Castilla VI.	Catalifia
	Arte	Ala.	AST	Bate	C.	Car	Call	Casa	Cas	Cat
Hydroelectric	1,125	2,017	1,059	-	1,303	0	415	561	8,594	3,053
Nuclear	0	0	0	-	7,901	-	0	8,383	3,742	21,849
Coal (1)	8,708	6,680	7,787	3,031	0	-	0	1,699	9,741	14
Fuel/gas (2)	0	0	0	1,330	0	5,704	0	0	0	0
Combined Cycle	14,032	1,505	1,817	1,390	6,891	3,016	0	3,353	0	9,587
Ordinary regime	23,865	10,202	10,663	5,751	16,094	8,720	415	13,996	22,077	34,503
- Generation consumption	-856	-617	-609	-376	-516	-472	-5	-882	-984	-1,336
Special regime	15,598	8,208	2,167	368	4,485	621	1,581	10,875	13,765	9,046
Net production	38,607	17,792	12,221	5,743	20,063	8,869	1,991	23,988	34,857	42,213
- Pumped storage consumption	-302	-279	-25	-	-1,126	-	-499	-130	-367	-276
+ Energy exchange balance (3)	-953	-7,454	-1,726	0.5	7,702	-	3,133	-11,685	-20,172	7,598
Demand (b.c.) 2011	37,353	10,060	10,470	5,743	26,639	8,869	4,625	12,173	14,318	49,536
Demand (b.c.) 2010	38,541	9,782	10,706	5,840	27,515	8,895	4,768	12,360	14,793	50,169
% 11/10	-3.1	2.8	-2.2	-1.7	-3.2	-0.3	-3.0	-1.5	-3.2	-1.3
			^							
		8ء	III a						ري	
	auks	trenad	ura Micia	Riois	adrid	elila.	urcia	avarra	yase ^c	ational
	Ceut ²	Extremad	gr ^a	La Rioia	Madrid	Melilla	Murcia	Mayaria	Pais Vasce	Wational
Hydroelectric	Ces ^{st2}	Extremado 3,531	calicia 5,350	134:01 75	madrid	Melitz	Murcia 75	Navarra 90	pais Vasco 186	27,571
Hydroelectric Nuclear			5,350 0			Medito				27,571 57,731
	-	3,531	5,350	75	139	Meille -	75	90	186	27,571
Nuclear	- -	3,531 15,857	5,350 0 8,503 0	75 0 0	139 0	Heilite	75 0	90 0 0	186 0	27,571 57,731
Nuclear Coal (1)	- - -	3,531 15,857 0	5,350 0 8,503	75 0 0	139 0 0 0 0	- - -	75 0 0	90 0 0	186 0 357	27,571 57,731 46,519
Nuclear Coal (1) Fuel/gas (2)	- - 222 - 222	3,531 15,857 0 0 0	5,350 0 8,503 0 2,304 16,157	75 0 0 0 0 998 1,073	139 0 0 0 0 0	- - - 222 - 222	75 0 0 0 5,535 5,610	90 0 0 0 1,221 1,311	186 0 357 0	27,571 57,731 46,519 7,479 55,140 194,440
Nuclear Coal (1) Fuel/gas (2) Combined Cycle	- - - 222	3,531 15,857 0 0	5,350 0 8,503 0 2,304	75 0 0 0 0 998	139 0 0 0 0	- - - 222	75 0 0 0 0 5,535	90 0 0 0 0	186 0 357 0 3,489	27,571 57,731 46,519 7,479 55,140
Nuclear Coal (1) Fuel/gas (2) Combined Cycle Ordinary regime	- - 222 - 222	3,531 15,857 0 0 0	5,350 0 8,503 0 2,304 16,157	75 0 0 0 0 998 1,073	139 0 0 0 0 0	- - - 222 - 222	75 0 0 0 5,535 5,610 -138 2,621	90 0 0 0 1,221 1,311	186 0 357 0 3,489 4,032	27,571 57,731 46,519 7,479 55,140 194,440
Nuclear Coal (1) Fuel/gas (2) Combined Cycle Ordinary regime - Generation consumption	- - 222 - 222 -20	3,531 15,857 0 0 0 19,388 -652 1,955 20,690	5,350 0 8,503 0 2,304 16,157 -536 11,000 26,621	75 0 0 0 998 1,073 -29 1,332 2,376	139 0 0 0 0 139 -2 1,611 1,748	- - 222 - 222 -14	75 0 0 0 5,535 5,610 -138	90 0 0 0 1,221 1,311 -38	186 0 357 0 3,489 4,032 -47	27,571 57,731 46,519 7,479 55,140 194,440 -8,129 92,811 279,121
Nuclear Coal (1) Fuel/gas (2) Combined Cycle Ordinary regime - Generation consumption Special regime	- - 222 - 222 -20	3,531 15,857 0 0 0 19,388 -652 1,955 20,690 -63	5,350 0 8,503 0 2,304 16,157 -536 11,000 26,621 -149	75 0 0 0 998 1,073 -29 1,332 2,376	139 0 0 0 0 139 -2 1,611 1,748 0	- - 222 - 222 -14 7	75 0 0 0 5,535 5,610 -138 2,621 8,093	90 0 0 0 1,221 1,311 -38 4,203 5,476	186 0 357 0 3,489 4,032 -47 3,369 7,354	27,571 57,731 46,519 7,479 55,140 194,440 -8,129 92,811 279,121 -3,215
Nuclear Coal (1) Fuel/gas (2) Combined Cycle Ordinary regime - Generation consumption Special regime Net production	- - 222 - 222 -20 0	3,531 15,857 0 0 0 19,388 -652 1,955 20,690	5,350 0 8,503 0 2,304 16,157 -536 11,000 26,621	75 0 0 0 998 1,073 -29 1,332 2,376	139 0 0 0 0 139 -2 1,611 1,748	- - 222 - 222 -14 7 215	75 0 0 0 5,535 5,610 -138 2,621 8,093	90 0 0 0 1,221 1,311 -38 4,203 5,476	186 0 357 0 3,489 4,032 -47 3,369 7,354	27,571 57,731 46,519 7,479 55,140 194,440 -8,129 92,811 279,121
Nuclear Coal (1) Fuel/gas (2) Combined Cycle Ordinary regime - Generation consumption Special regime Net production - Pumped storage consumption	- - 222 - 222 -20 0 203	3,531 15,857 0 0 0 19,388 -652 1,955 20,690 -63	5,350 0 8,503 0 2,304 16,157 -536 11,000 26,621 -149	75 0 0 0 998 1,073 -29 1,332 2,376	139 0 0 0 0 139 -2 1,611 1,748 0	- - 222 - 222 -14 7 215	75 0 0 0 5,535 5,610 -138 2,621 8,093	90 0 0 0 1,221 1,311 -38 4,203 5,476	186 0 357 0 3,489 4,032 -47 3,369 7,354	27,571 57,731 46,519 7,479 55,140 194,440 -8,129 92,811 279,121 -3,215
Nuclear Coal (1) Fuel/gas (2) Combined Cycle Ordinary regime - Generation consumption Special regime Net production - Pumped storage consumption + Energy exchange balance (3)	- - 222 - 222 -20 0 203	3,531 15,857 0 0 0 19,388 -652 1,955 20,690 -63 -16,151	5,350 0 8,503 0 2,304 16,157 -536 11,000 26,621 -149 -6,274	75 0 0 0 998 1,073 -29 1,332 2,376 0 -650	139 0 0 0 0 139 -2 1,611 1,748 0 29,069	- - 222 - 222 -14 7 215	75 0 0 0 5,535 5,610 -138 2,621 8,093 0 -316	90 0 0 0 1,221 1,311 -38 4,203 5,476 0 -565	186 0 357 0 3,489 4,032 -47 3,369 7,354 0	27,571 57,731 46,519 7,479 55,140 194,440 -8,129 92,811 279,121 -3,215 -6,090
Nuclear Coal (1) Fuel/gas (2) Combined Cycle Ordinary regime - Generation consumption Special regime Net production - Pumped storage consumption + Energy exchange balance (3) Demand (b.c.) 2011	- - 222 - 222 -20 0 203 - -	3,531 15,857 0 0 0 19,388 -652 1,955 20,690 -63 -16,151	5,350 0 8,503 0 2,304 16,157 -536 11,000 26,621 -149 -6,274 20,198	75 0 0 0 998 1,073 -29 1,332 2,376 0 -650	139 0 0 0 0 139 -2 1,611 1,748 0 29,069 30,817	- - 222 - 222 -14 7 215 -	75 0 0 0 5,535 5,610 -138 2,621 8,093 0 -316	90 0 0 0 1,221 1,311 -38 4,203 5,476 0 -565	186 0 357 0 3,489 4,032 -47 3,369 7,354 0 12,352 19,706	27,571 57,731 46,519 7,479 55,140 194,440 -8,129 92,811 279,121 -3,215 -6,090 269,816

(1) As of 1 January 2011, GICC (Elcogás) has been included in the National coal figures as, in accordance with Royal Decree 134/2010, this power station is obliged to participate, as a selling unit that uses local coal as [uel, in the process of resolving restrictions regarding the guarantee of supply. (2) Generation by auxiliary units is included in the Canary Island electricity system. (3) Provisional value. Includes values corresponding to intra-national and international energy exchange balances. Positive values indicate an import exchange balance and negative values show an export exchange balance.

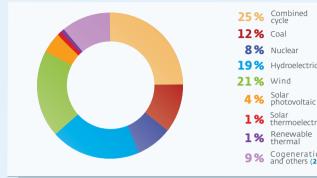
Structure of net production by power station type (%)



Structure of installed power by power station type (%)



Installed power as at 31.12.2011 Spanish peninsula electricity system



Combined cvcle

12% Coal

8% Nuclear

19% Hydroelectric (1)

71% Wind

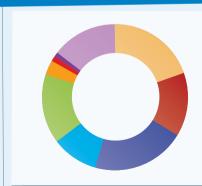
Solar thermoelectric

Renewable thermal

9% Cogeneration and others (2)

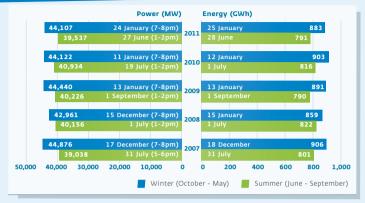
(1) Includes power obtained from pumped storage (2.747 MW). (2) Includes non-renewable thermal and fuel/gas.

Annual demand coverage of peninsular electricity system



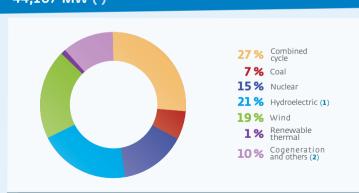
- Combined cvcle
- 15% Coal
- 21% Nuclear
- 12% Hydroelectric (1)
- 16% Wind
 - Solar photovoltaic
 - Solar thermoelectric
 - Renewable thermal 1%
- 12% Cogeneration and others (2)
- (1) Does not include pumped storage generation.
- (2) Includes non-renewable thermal and fuel/gas.

Peak average hourly demand and daily energy (*)



(°) Peninsular system

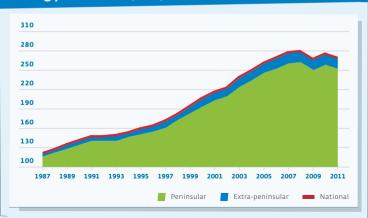
Coverage of peninsular peak power demand 44,107 MW (*)



Peninsular instantaneous peak power demand (MW)







Annual evolution of Spanish peninsula electrical energy demand and GDP

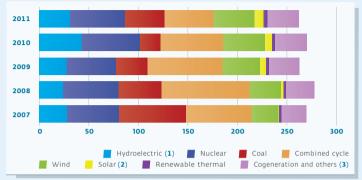
	(GWh)	Δ (%)	Δ by economic activity (%)	GDP
2007	262,436	2.9	4.2	3.6
2008	265,206	1.1	0.7	0.9
2009	252,660	-4.7	-4.7	-3.7
2010	260,530	3.1	2.7	-0.1
2011	254,786	-2.2	-1.3	0.7

A: Variation with respect to previous year.

Annual evolution of the extra-peninsular electrical energy demand

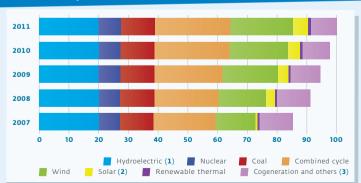
	Bale Isla			nary ands	Ceuta		Melilla	
	GWh	Δ (%)	GWh	Δ (%)	GWh	Δ (%)	GWh	Δ (%)
2007	5,979	2.6	9,215	4.5	203	0.5	193	13.6
2008	6,122	2.4	9,333	1.3	210	3.5	205	6.1
2009	5,993	-2.1	9,107	-2.4	212	0.9	206	0.5
2010	5,840	-2.5	8,895	-2.3	218	2.8	213	3.6
2011	5,743	-1.7	8,869	-0.3	203	-6.7	215	0.7

Annual evolution of the peninsular net production structure (TWh)



(1) Does not include pumped storage generation. (2) Includes solar photovoltaic and thermoelectric. (3) Includes non-renewable thermal and fuel/gas.

Annual evolution of peninsular installed power (GW)



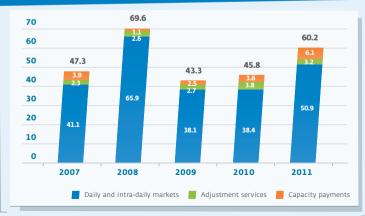
(1) Includes power obtained from pumped storage (2,747 MW). (2) Includes solar photovoltaic and thermoelectric. (3) Includes non-renewable thermal and fuel/gas.

Evolution of monthly energy and prices in the electricity market (1)



(1) National demand data. (2) Royal Decree 485/2009, of 3 April, determines the disappearance of integral tariffs as of 1 July 2009 and the introduction of a last resort tariff.

Evolution of the components of the average final price in the electricity market (€/мwh)



Energy managed in the system adjustment services (GWh)

	20	10	2	2011		% 11/10	
	Increase	Decrease	Increase	Decrease	Increase I	Decrease	
Supply guarantee restrictions (1)	-	-	12,773	-	-	-	
Technical restrictions (DBFP) (2)	12,509	447	9,998	228	-20.1	-48.9	
Secondary control band (3)	727	531	716	526	-1.5	-0.9	
Secondary control	1,165	1,724	1,213	1,514	4.1	-12.2	
Tertiary control	2,726	2,983	2,694	2,591	-1.2	-13.1	
Deviation management	2,198	2,675	1,775	2,046	-19.3	-23.5	
Restrictions in real time	887	901	657	509	-25.9	-43.5	

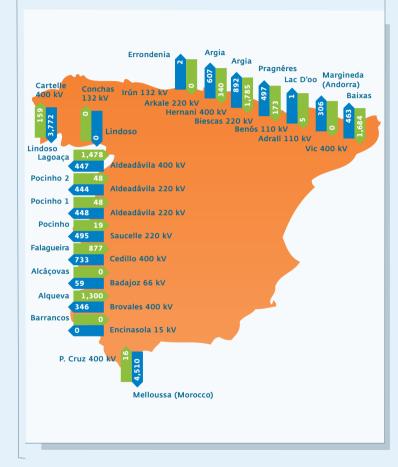
⁽¹⁾ Increased energy in phase 1 of the supply guarantee restrictions (RD 134/2010 modified by RD 1221/2010) (P.O.3.10). (2) Increased or reduced energy in phase 1 of the technical resolution restrictions of the DBFP (Daily Basic Functioning Program) (P.O.3.2). (3) Average hourly power band (MW).

Average weighted price in the system adjustment services (€/MWh)

	2010		2011		% 11/10	
	Increase	Decrease	Increase	Decrease	Increase D	ecrease
Supply guarantee restrictions (1)	-	-	83.1	-	-	-
Technical restrictions (DBFP) (2)	80.5	45.7	94.1	58.4	16.9	27.7
Secondary control band (3)	14.7	15.9	7.8			
Secondary control	40.4	24.7	51.6	33.3	27.8	35.0
Tertiary control	50.4	17.9	58.0	24.5	15.0	36.8
Deviation management	51.0	20.7	54,3	29.8	6.4	44.1
Restrictions in real time	104.7	9.7	130.0	23.0	24.1	136.9

(1) Increased energy in phase 1 of the supply guarantee restrictions (RD 134/2010 modified by RD 1221/2010) (P.O.3.10). (2) Increased or reduced energy in phase 1 of the technical resolution restrictions of the DBFP (Daily Basic Functioning Program) (P.O.3.2). (3) Average hourly price (E/MW).

Map of international physical energy exchanges (GWh)

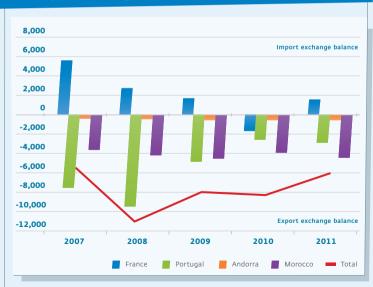


International physical energy exchanges by interconnection (GWH)

	In	Input		Output		Balance (1)	
	2010	2011	2010	2011	2010	2011	
France	1,983	3,987	3,514	2,463	-1,531	1,524	
Portugal	3,189	3,930	5,823	6,744	-2,634	-2,814	
Andorra	0	0	264	306	-264	-306	
Morocco	34	16	3,937	4,510	-3,903	-4,495	
Total	5,206	7,932	13,539	14,023	-8,333	-6,090	

⁽¹⁾ Positive values indicate an import exchange balance and negative values indicate an export exchange balance.

Evolution of the international physical energy exchanges balance (GWh)



Transmission grid evolution in Spain (km)

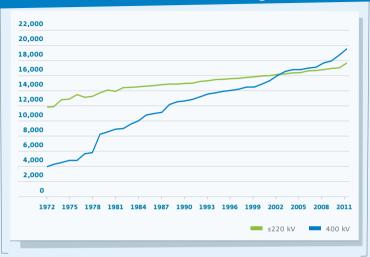


Transmission grid facilities in Spain (km)

	400 kV	:	≤ 220 kV			
	Spanish Peninsula	Spanish Peninsula	Balearic Islands	Canary Islands	Total	
Total lines (km)	19,622	17,806	1,540	1,300	40,268	
Overhead lines (km)	19,566	17,261	1,088	1,023	38,939	
Submarine cable (km)	29	236	306	15	586	
Underground cable (km)	26	309	146	261	743	
Transformer capacity (MVA)	70,984	63	2,248	1,625	74,920	

Data regarding km of circuit and transformer capacity accumulated as at 31 December 2011.

Graph showing the evolution of the peninsular 400 kV and ≤ 220 kV transmission grid (km)



Transmission grid quality

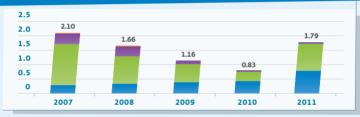
	EN	IS (MWh)		AIT (minutes)		
	Spanish Peninsula	Balearic Islands	Canary Islands	Spanish Peninsula	Balearic Islands	Canary Islands
2007	757	326	281	1.52	28.73	16.03
2008	574	7	1,043	1.15	0.64	58.94
2009	437	39	1,679	0.91	3.41	96.89
2010	1,570	9	4,090	3.17	0.77	241.68
2011	280	39	17	0.58	3.54	1.02

ENS: Energy not supplied. AIT: Average interruption time.

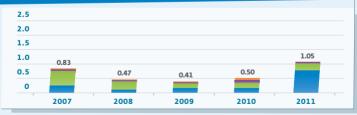
Annual evolution of the non-availability rate of the peninsular transmission grid (%)



Annual evolution of the non-availability rate of the Balearic Islands' transmission grid (%)



Annual evolution of the de non-availability rate of the Canary Islands' transmission grid (%)



Programmable for causes not due to maintenance. Programmable for predictive and preventative maintenance. Non-programmable due to corrective maintenance. Non-programmable due to fortuitous circumstances. Note: Classification in accordance with RD 1955/2000.

Electrical energy demand and consumption per capita of the countries of the European Union members of the Continental Europe (ENTSO-E)

	Der	nand (TWh)	Consumption per capita	(kWh/hab.)
	2011	% 11/10	2011	% 11/10
Germany	544.3	-0.6	6,658	-0.5
Austria	68.6	0.4	8,159	0.0
Belgium	86.5	-4.3	7,897	-5.3
Bulgaria	33.2	5.4	4,428	6.2
Slovakia	26.8	0.5	4,927	0.3
Slovenia	12.6	2.5	6,125	2.4
Spain (1)	254.8	-2.2	5,520	-2.6
France	478.2	-6.8	7,351	-7.3
Greece	52.9	-1.2	4,679	-1.2
Holland	117.8	1.2	7,075	0.7
Hungary	40.2	3.2	4,027	3.5
Italy	332.3	0.6	5,481	0.1
Luxembourg	6.6	-2.0	12,813	-3.8
Poland	145.7	1.5	3,814	1.4
Portugal	50.5	-3.3	4,748	-3.3
Czech Republic	63.0	-1.2	5,979	-1.4
Romania	54.9	2.9	2,565	3.1
Total	2,368.8	-1.7	5,818	-1.9

Source: ENTSO-E. Consumption per capita = Total consumption / no inhabitants. Population data: Eurostat.

(1) Peninsular demand.

Structure of the net total production of the countries of the European Union members of the Continental Europe (ENTSO-E) (%)

















