

	GDP					GDP per capita						
	(EUR 1 000 million)					(PPS 1 000 million)			(PPS, EU-27 = 100) ⁽¹⁾		(EUR)	
	2002	2003	2011	2012	2013	2002	2011 ⁽²⁾	2012	2002	2011	2012	2013
EU-28	9 984	10 151	12 711	12 970	13 075	9 984	12 711	12 970				
Euro area (EA-18)	7 340	7 557	9 444	9 505	9 600	7 233	9 109					
Belgium	269	276	369	376	383	265	334					
Bulgaria	17	18	39	40	40	51						
Czech Republic	83	84	155	153	149	153						
Denmark	185	189	240	245	249	145						
Germany	2 132	2 148	2 610	2 666	2 738	1 100						
Estonia	8	9	16	17	18							
Ireland	131	141	163	164	164							
Greece	157	172	209	193	182							
Spain	729	783	1 046	1 029	1 023							
France	1 543	1 588	2 001	2 032	2 060							
Croatia	28	30	44	44	43							
Italy	1 302	1 342	1 580	1 567	1 560							
Cyprus	11	12	18	18	17							
Latvia ⁽³⁾	10	10	20	22	23	19						
Lithuania	15	17	31	33	35	31						
Luxembourg	24	26	42	43	45	22						
Hungary	70	74	99	97	98	127						
Malta	5	5	7	7	7	7						
Netherlands	465	477	599	599	603	44						
Austria	221	225	299	307	313			279	127	129	130	131
Poland	210	192	371	381	390		630	660	48	65	67	10 100
Portugal	141	143	171	165	166	169	205	205	80	77	76	15 800
Romania	49	53	131	132	142	131	260	272	30	51	53	:
Slovenia	25	26	36	35	35	34	43	44	82	84	84	17 100
Slovakia	26	29	69	71	72	59	102	105	54	75	76	13 300
Finland	144	146	189	192	193	122	157	159	115	116	115	35 600
Sweden	267	279	385	408	420	223	297	306	122	125	126	43 800
United Kingdom	1 720	1 660	1 771	1 933	1 909	1 469	1 656	1 706	121	105	104	29 800
Iceland	9	10	10	11	11	8	9	9	130	114	115	34 000
Liechtenstein	3	3	4	4	:	:	:	:	:	:	:	:
Norway	204	199	353	389	385	143	231	249	154	185	194	75 700
Switzerland	305	296	475	491	490	215	305	319	143	154	157	61 100
Montenegro	1	2	3	3	:	:	7	6	:	:	:	:
FYR of Macedonia	4	4	7	7	:	10	19	19	25	36	:	:
Serbia	16	17	31	30	32	:	65	65	:	36	35	:
Turkey	243	268	555	612	616	488	989	1 031	36	53	:	:
Japan	4 228	3 809	4 248	4 623	3 690	2 961	3 299	3 398	114	103	:	:
United States	11 612	10 177	11 159	12 644	12 649	9 363	11 685	12 198	159	149	151	40 000

ROMANIA

GDP (€ 1000 million) *)

2011

2012

2013

131

132

142

Electricity consumption (TWh)**)

60

59.3

56.65

Electricity consumption (TWh)***)

66.1

67.7

69.5

*) EUROSTAT

***) ANRE

***) Strategy 2007

⁽¹⁾ GDP per capita in PPS is expressed in this table relative to the EU-27 average, which by definition has the exact value 100. In this table the EU-28 value relative to the EU-27 average, rounded to the nearest whole number, is also 100, because the impact of Croatia is relatively small. For the same reason the countries' and aggregates' values relative to the EU-28 average would be close to those presented in this table relative to the EU-27 average.

⁽²⁾ Break in series.

⁽³⁾ GDP per capita in PPS, 2011 and 2012: break in series.

Source: Eurostat (online data codes: nama_gdp_c and tec00001)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2030
Forecasted net cons. base scenario TEL [TWh] (including network losses, excluding power plants own consumption) ³⁾	53.4*	54.9*	55.4	56.5	58.0	59.5	61.1	62.6	64.3	65.9	67.7	69.3	70.9	72.5	80
Forecasted net cons. peak base scenario TEL [MW] ³⁾	8464*	8724*	8795	8984	9225	9480	9760	10040	10380	10680	10960	11230	11520	11790	13445
Forecasted net cons. minimal scenario TEL[TWh] ³⁾			54.4	51.7	50.2	49.2	48.7	48.4	48.4	48.7	49.0	49.5	50.1	50.9	51.7
Forecasted net cons .peak minimal scenario TEL [MW] ³⁾			8627	8200	7980	7830	7780	7760	7820	7885	7945	8030	8140	8300	9310

21.6 TWh >

3,490 MW >

	Actual							MW
	Dec. 2010	Dec. 2011	Dec. 2012	Dec. 2015	Dec. 2016	Dec. 2018	Dec. 2020	Dec. 2023
Net generation in national electric system (nuclear, conventional thermoelectric, RES, hydro)	17054	17375	18581/18756*	19559	19361	19966	19824	19040
Total unavailable power (temporary reductions + conservation, planned repairs, unscheduled repairs, power reserve for ancillary services)	5107	4012	7453/3935*	8344	8662	9168	9560	9827
Net available power ensured	11947	13363	11128/14821*	11215	10699	10799	10265	9213
Net domestic consumption at peak	8464	8267	8795/7728*	9480	8760	10380	10960	11790
Remaining capacity (without considering exchanges with other systems)	3483	5096	2333/6434*	1735	939	419	-695	-2577
Netting import – export at peak	-780	335	-800/ -315*	-800	-800	-1000	-1200	-1500

913

	Dec. 2010	Dec. 2011	Dec. 2012	Dec. 2015	Dec. 2016	Dec. 2018	Dec. 2020	Dec. 2023
Net generation in national electric system (nuclear, conventional thermoelectric, RES, hydro)	17054	17375	18581/18756*	19639	19833	21681	25196	24678
Total unavailable power (temporary reductions + conservation, planned repairs, unscheduled repairs, power reserve for ancillary services)	5107	4012	7453/3935*	8424	8780	9377	9997	10296
Net available power ensured	11947	13363	11128/14821*	11215	11052	12304	15199	14382
Net domestic consumption at peak	8464	8267	8795/7728*	9480	9760	10380	10960	11790
Remaining capacity (without considering exchanges with other systems)	3483	5096	2333/6434*	1735	1292	1924	4239	2592
Netting import – export at peak	-780	335	-800/ -315*	-800	-800	-1000	-1200	-1500

5,169 MW >

6,082

ROMANIA ENERGY STRATEGY CONSULTATION CONCLUSIONS 2014

- During 2014-2024 Romania should encourage **prudent development of RES**. The focus should be on biomass and alternative transport fuels rather than wind and photovoltaics, whose rapid development during the last few years is not sustainable;
- **Nuclear** energy development **is essential** to achieve GHG emission reduction targets; and
- Even if its weight in the overall energy mix will decline, **coal would remain** an important factor for the security of supply in Romania.

5,500

- 3,200 MW net new thermoelectric generation (supporting legislation is enacted, state aid is approved);
- 1,000 MW pumped storage (supporting legislation enacted, to be approved by EC if needed);
- 1,300 MW of new nuclear (procedure to select investor launched, supporting legislation envisaged with investment incentives depending on EC decisions).

2014-2023 (TEL Plan)

- nuclear increases	1295 to 1975,	difference is + 680
- conventional increases	9113 to 9885,	difference + 772; 4800 out of 9885 is new
- RES increases	1970 to 5250,	difference + 3280
- hydro increases	6202 to 7569,	difference +1357
- unavailable power increases	7453 to 10296,	difference + 2843
(power for ancillary services	1164 to 1463,	difference + 299)

TELEGRAPH,
21 October 2013

- **The Hinkley Point C project** has been agreed between the UK Government and French company EDF Energy and its two Chinese partners - China National Nuclear Corporation and China General Nuclear Power Corporation.
- The "strike price" - the guaranteed rate to be paid for electricity produced at the Somerset site - will be **£92.50 for every megawatt hour of electricity for 35 years, almost 50 per cent above current wholesale market energy price levels.**



Brussels,
18.12.2013
C(2013) 9073 final

Subject: State aid SA. 34947 (2013/C) (ex 2013/N) – United Kingdom Investment Contract (early Contract for Difference) for the Hinkley Point C New Nuclear Power Station

...

8.2. Commission doubts and grounds for opening the formal investigation procedure

(429) The Commission considers at this stage that the notified measure involves State aid within the meaning of Art 107(1) TFEU.

(430) The Commission doubts that the aid might be considered as compatible aid for the provision of a SGEI under the SGEI Framework.

(431) Finally, the Commission has doubts that the notified measure can be declared compatible under Article 107(3)(c) TFEU and in particular that it effectively addresses a market failure and is appropriate. It also questions whether the notified measure can be deemed to have an incentive effect, to be proportionate, and is concerned about its distortive effects on competition.



RESPONSE TO EUROPEAN
COMMISSION
CONSULTATION
LONDON UK
4.4.14

2.4 The result of the state-aid investigation into HPC will therefore be an important precedent and will have consequences not just in UK but in a large number of other Member States. Taken across the full range of public and private actors engaged in energy systems, annual commitments worth many billions of pounds rest on the results of this EC policy appraisal.

Western Morning News,
TELEGRAPH,
September 22, 2014



Antoine Colombani, EC spokesman for competition and for vice-president Joaquin Almunia, said: "Our discussions with the UK authorities have led to an agreement. On this basis, vice-president Almunia will propose to the college of commissioners to take a positive decision in this case. In principle a decision should be taken within this mandate."



TELEGRAPH,
21 October 2013

- **The Hinkley Point C project** has been agreed between the UK Government and French company EDF Energy and its two Chinese partners - China National Nuclear Corporation and China General Nuclear Power Corporation.
- The "strike price" - the guaranteed rate to be paid for electricity produced at the Somerset site - will be **£92.50 for every megawatt hour of electricity for 35 years, almost 50 per cent above current wholesale market energy price levels.**

Energy Business Review,
03 February 2014

UK, French Governments sign declaration on nuclear energy

Signed before national leaders' discussions over the European Union's (EU) 2030 energy and climate policy framework, the declaration reiterates the two governments' shared view that nuclear power has a critical role to play in a cost-effective low carbon transition.

World Nuclear News,
07 July 2014

Ten nations petition Brussels for nuclear

The Czech government has expressed the common view of ten European countries in favour of nuclear power in a letter to the European Commission.

“ On behalf of the Ministers of Bulgaria, France, Hungary, Lithuania, Poland, Romania, Slovakia, Slovenia and the United Kingdom responsible for energy policy, **I take the liberty** to address you on **our common view** of nuclear power within the EU energy market and its role in ensuring energy security and decarbonisation.

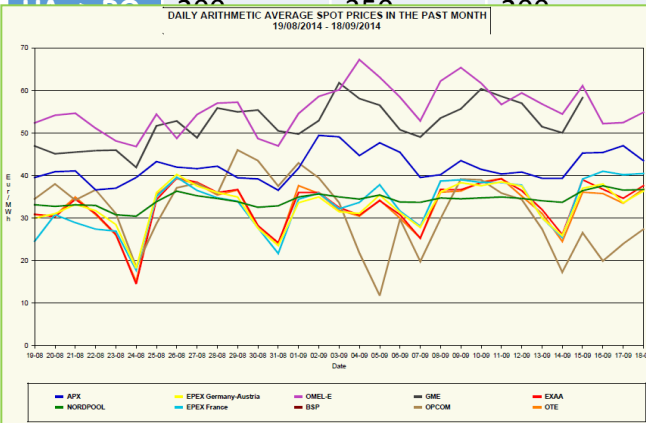
.....
We believe that Member States **must** maintain **their right** to determine **their own** energy mix and nuclear power will therefore have a greater role in helping **individual Member States** secure **their own** indigenous energy supply.”

REUTERS
24 September 2014

Austrian minister for legal action against EU over UK nuclear plant

Austria's environment minister would back legal steps to annul any European Union decision to clear British plans to build a nuclear plant with French utility EDF.

	2010	2011	2012
NTC max not guaranteed (forecast) [MW]			
RO export	1900	2050	2400
RO -> HU	1100	700	700
HU -> RO	600	700	800
RO -> RS	600	700	800
RS -> RO	300	500	600
RO -> BG	600	600	700
BG -> RO	600	600	800
RO -> UA	300	200	200
UA -> RO	400	400	300
Max firm NTC harmonized [MW]			
RO export	1400	1575	1550
RO -> HU	500	550	450
HU -> RO	600	700	600
RO -> RS	550	650	700
RS -> RO	300	300	350
O -> BG	300	325	350
BG -> RO	200	300	350
RO -> UA	50	50	50



Hours	DAM prices (EUR/MWh)			Cross-border flow (MWh)				ATC (MWh)			
	HU	SK	CZ	HU → SK	SK → HU	SK → CZ	CZ → SK	HU → SK	SK → HU	SK → CZ	CZ → SK
H1	26.62	26.00	26.00	0.0	36.0	134.7	0.0	864	36	1 672	928
H2	23.94	23.94	23.94	145.3	0.0	394.4	0.0	864	36	1 631	969
H3	20.93	20.93	20.93	164.6	0.0	437.5	0.0	864	36	1 596	1 004
H4	16.90	16.90	16.90	172.4	0.0	419.3	0.0	864	36	1 558	1 042
H5	18.89	18.89	18.89	238.0	0.0	341.8	0.0	864	36	1 472	1 128
H6	25.34	24.99	24.99	0.0	36.0	165.6	0.0	864	36	1 575	1 025
H7	39.20	37.70	37.70	0.0	36.0	185.6	0.0	864	36	1 777	823
H8	47.25	45.70	45.70	0.0	36.0	184.1	0.0	864	36	1 744	856
H9	49.30	49.30	49.30	0.0	32.3	268.1	0.0	864	36	1 812	788
H10	48.03	47.81	47.81	0.0	36.0	275.0	0.0	864	36	1 960	640
H11	45.33	45.00	45.00	0.0	36.0	342.0	0.0	864	36	1 953	647
H12	41.96	40.57	40.57	0.0	36.0	176.2	0.0	864	36	1 953	647

Interval	ROPEX DAM_H [Euro/MWh]
1	21.96
2	19.92
3	11.09
4	10.86
5	10.86
6	11.09
7	18.11
8	21.96
9	31.01
10	31.46
11	26.94
12	22.18

