

OVERVIEW OF ELECTRICAL ENERGY IN APRIL 2009

The purpose of this document is to provide information concerning the operation of the French public transmission network and power system during the past month. The data published are interim figures dated 7 May 2009.

NATIONAL ELECTRICAL CONSUMPTION IN FRANCE

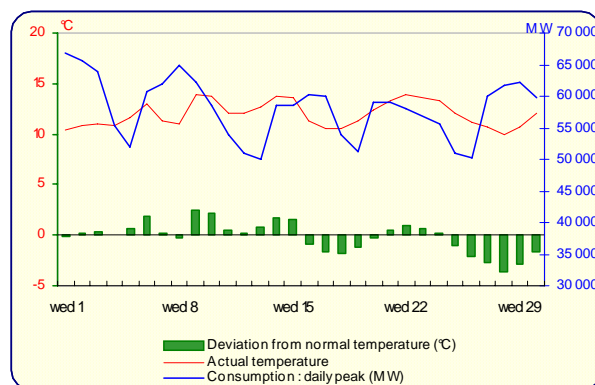
National consumption is the total of all the electrical energy supplied for consumption in France (including Corsica, but not the French Overseas Departments), thermal and hydro generation + imports – exports – pumping, and which have been consumed in the transmission and distribution networks, by the end-users, as well as by losses.

Period	National Consumption	Adjusted Consumption (*)
Results for April 2009	37,4 TWh	37,0 TWh
Trend compared with April 2008	↓ -10,1%	↓ -5,0%
Trend since 1 st January	↔ -0,1%	↓ -2,9%
Trend over last 12 months	↑ 0,3%	↓ -0,8%

(*) Adjusted for winter and summer climate contingencies and the inclusion of 29 February 2008

Temperature	
Monthly average :	12,0 °C
Deviation from normal temperature :	-0,1 °C/normale
Deviance from April 2008 :	+1,7 °C

RTE-in house reference drawn up on basis of METEOFRANCE data



In April 2009, the average monthly temperature was 1,7°C higher than April 2008, resulting in consumption 10,1% lower. Adjusted for climatic contingencies, monthly demand was down by 5,0%, with a slightly unfavourable calendar effect (one public holiday in April 2009).

The rate of growth in adjusted consumption over a 12 month sliding period fell from 0,0% at the end of March to -0,8% at the end of April.

BALANCE OF THE ENERGY PHYSICAL FLOWS ON THE RTE NETWORK

NET INJECTIONS INTO THE RTE NETWORK	April 2009 (GWh)	Trend compared with the same period in 2008	
		April	Since 1 st January
Nuclear generation	30 860	↓ -10,0%	↓ -2,9%
Conventional fossil-fuel thermal generation	1 798	↓ -40,5%	↑ 3,4%
Renewable energy sources but hydro	99	↑ 55,6%	↑ 48,2%
Hydro generation	5 900	↓ -6,1%	↑ 7,2%
Total injections	38 657	↓ -11,5%	↓ -1,2%

NET DELIVERIES AT THE TERMINALS OF THE RTE NETWORK	April 2009 (GWh)	Trend compared with the same period in 2008	
		April	Since 1 st January
Physical balance of trade	2 782	↓ -26,7%	↓ -14,7%
Pumping	613	↑ 15,7%	↓ -6,6%
Distribution networks	27 800	↓ -9,3%	↑ 3,0%
Industrial consumers (HV)	6 714	↓ -13,5%	↓ -14,1%
Total deliveries	37 909	↓ -11,3%	↓ -1,2%

In April 2009, extractions by distributors were down by 2,85 TWh compared with April 2008, whilst extractions by industrial consumers were down by 1,05 TWh; Pumping rose by 0,1 TWh. The export balance was down by 1,05 TWh. Generation injected into the RTE network was down by 5 TWh. Injections from nuclear installations fell by 3,45 TWh, whilst those from fossil-fuel plants fell by 1,2 TWh and injections from hydro-electric installations were down by 0,4 TWh. Injections from renewable energy sources rose by 0,05 TWh. The physical balance of exchanges remained positive (exporting) throughout the month, except for a few points in time on six days (12th, 17th, and the 27th to the 30th).

CONSUMPTION AND PHYSICAL EXCHANGES : noteworthy data

	April 2009		Last 12 month		Absolute *		
Consumption	maximum	1 419 GWh	Wednesday 1	2 035 GWh	07/01/2009	2 035 GWh	07/01/2009
		66 824 MW	Wednesday 1	92 400 MW	07/01/2009	92 400 MW	07/01/2009
	minimum	1 061 GWh	Sunday 26	898 GWh	17/08/2008	391 GWh	05/08/1979
		37 609 MW	Sunday 26	31 411 MW	17/08/2008	14 099 MW	05/08/1979
Export Balance of physical exchanges	maximum	179 GWh	Sunday 5	298 GWh	08/05/2008	298 GWh	08/05/2008
		9 898 MW	Sunday 5	13 746 MW	11/11/2008	13 746 MW	11/11/2008
	minimum	6 GWh	Wednesday 29	-30 GWh	06/01/2009	-95 GWh	02/03/2006
		-2 403 MW	Wednesday 29	-3 435 MW	06/01/2009	-6 690 MW	02/03/2006

* The minimum values concern the last 30 years.

THE ELECTRICITY MARKET

CONTRACTUAL ELECTRICITY EXCHANGES WITH FOREIGN COUNTRIES

These exchanges include all transactions managed by RTE.

EXPORTS	April 2009 (GWh)	Trend compared with the same period in 2008	
		April	Since 1 st January
Belgium	423	↘ -65%	↘ -66%
Germany	450	↗ 5%	↗ 97%
Switzerland	2 179	↗ 5%	↗ 10%
Italy	1 692	↗ 4%	↗ 4%
Spain	585	↗ 77%	↘ -16%
Great Britain	981	↘ -9%	↘ -32%
Total	6 310	↘ -6%	↘ -9%

IMPORTS	April 2009 (GWh)	Trend compared with the same period in 2008	
		April	Since 1 st January
Belgium	467	↗ n.s.*	↗ n.s.*
Germany	1 716	↘ -19%	↘ -39%
Switzerland	1 013	↗ 170%	↗ 64%
Italy	123	↘ -15%	↘ -53%
Spain	195	↘ -39%	↗ 47%
Great Britain	82	↘ -28%	↗ 140%
Total	3 596	↗ 16%	↘ -4%

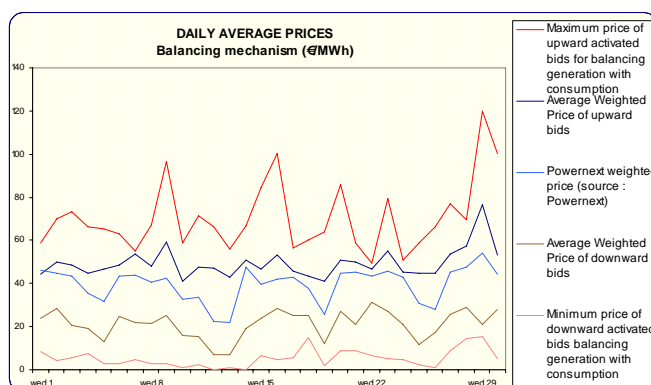
(*) In April 2008, the volume of imports from Belgium was 31 GWh ; since the beginning of 2009, the volume of imports amounts to 1 719 GWh, compared with 184 GWh in 2008.

As of the end of April 2009, some 115 contracts were signed for adhesion to the PTS access rules for imports and exports.

BALANCE RESPONSIBLE – BALANCING MECHANISM

As of the end of April 2009, some 39 Balancing Actors and 149 Balance Responsible Entities (*) were declared.

(*) *Balance Responsible* : any legal person who is committed to RTE, under a *Balance Responsible* contract, to settling the costs of the imbalances calculated a posteriori, on behalf of one or more network users attached to its scope. These imbalances result from the difference between all of the supplies and consumptions for which it is responsible.



	April 2009 (GWh)	Trend compared with the same period in 2008		
		April	Since 1 st January	
Exchanges between Balance Responsible	Volume of energy exchanged (via NEB)	21 824	↘ -13 %	↘ -9%
Balancing mechanism	Volume of energy activated upward	277	↗ 14%	↗ 65%
	Volume of energy activated downward	445	↗ 10%	↘ -22%

TRANSMISSION NETWORK DEVELOPMENT

In April the following installations entered operational service on the RTE network :

- The 225 and 90 kV substations at Soullans, with a 225/90 kV (170 MVA) transformer, and the 225 kV Merlatière-Soullans line; the 90 kV Soullans-Saint Gilles Croix de Vie n°1 and 2 lines, and the Soullans-Saint Jean de Monts n° 1 and 2 lines, to strengthen the network in the Vendée coastal region.
- The 225 kV Eybens-Champagnier n°2 line, replacing the existing 63 kV line, as part of work to improve the supply to Grenoble.
- An inductor n°2 (64 MVAR) on the tertiary winding of a 400/225 kV autotransformer at the Tamareau substation in the Hérault region.