

OVERVIEW OF ELECTRICAL ENERGY IN MAY 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 8 June 2009.

NATIONAL ELECTRICAL CONSUMPTION IN FRANCE

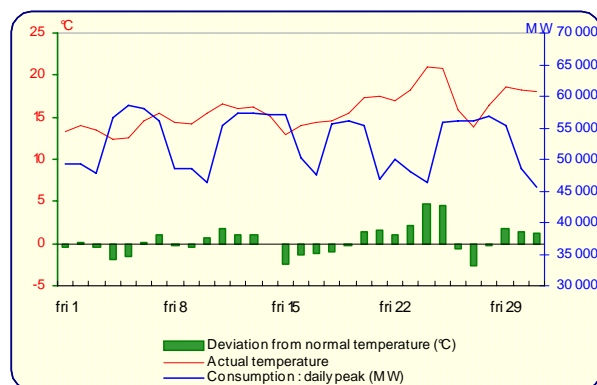
National consumption is the total of all the electrical energy supplied for consumption in France (including Corsica, but not the French Overseas Departments), thermal and hydro generation + imports – exports – pumping, and which have been consumed in the transmission and distribution networks, by the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

Period	National Consumption		Adjusted Consumption (*)	
	34,5	TWh	34,2	TWh
Results for May 2009				
Trend compared with May 2008	↘	-2,8%	↘	-3,7%
Trend since 1 st January	↘	-0,6%	↘	-3,1%
Trend over last 12 months	↔	0,0%	↘	-1,2%

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

Temperature	
Monthly average :	15,8 °C
Deviation from normal temperature :	+0,4 °C/normale
Deviance from May 2008 :	-0,5 °C

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



In May 2009, demand was 2,8% down on May 2008, whilst the average temperature was 0,5°C lower. Adjusted for climatic contingencies, monthly demand was down by 3,7%, with an unfavourable calendar effect (one more public holiday and one more Sunday in May 2009 than May 2008). The rate of growth in adjusted consumption over a 12 month sliding period fell from -0,8% at the end of April to -1,2% at the end of May.

BALANCE OF THE ENERGY PHYSICAL FLOWS ON THE RTE NETWORK

NET INJECTIONS INTO THE RTE NETWORK	May 2009 (GWh)	Trend compared with the same period in 2008	
		May	Since 1 st January
Nuclear generation	29 882	↘ -6,5%	↘ -3,5%
Conventional fossil-fuel thermal generation	1 060	↘ -12,3%	↗ 2,2%
Renewable energy sources but hydro	116	↗ 98,5%	↗ 56,3%
Hydro generation	6 377	↘ -1,3%	↗ 5,2%
Total injections	37 435	↘ -5,7%	↘ -2,0%

NET DELIVERIES AT THE TERMINALS OF THE RTE NETWORK	May 2009 (GWh)	Trend compared with the same period in 2008	
		May	Since 1 st January
Physical balance of trade	4 540	↘ -22,0%	↘ -16,6%
Pumping	615	↗ 37,8%	↘ -0,4%
Distribution networks	24 636	↘ -0,5%	↗ 2,5%
Industrial consumers (HV)	6 967	↘ -12,3%	↘ -13,7%
Total deliveries	36 758	↘ -5,7%	↘ -2,0%

In May 2009, extractions by distributors were down by 0,1 TWh compared with May 2008, whilst extractions by industrial consumers were down by 1 TWh; Pumping rose by 0,15 TWh. The export balance was down by 1,25 TWh. Generation injected into the RTE network was down by 2,25 TWh. Injections from nuclear installations fell by 2,1 TWh, whilst those from fossil-fuel plants fell by 0,15 TWh and injections from hydro-electric installations were down by 0,05 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 the day of the 28th.

CONSUMPTION AND PHYSICAL EXCHANGES : noteworthy data

		May 2009		Last 12 month		Absolute *	
Consumption	maximum	1 249 GWh	Tuesday 5	2 035 GWh	07/01/2009	2 035 GWh	07/01/2009
		58 487 MW	Tuesday 5	92 400 MW	07/01/2009	92 400 MW	07/01/2009
	minimum	939 GWh	Sunday 31	898 GWh	17/08/2008	391 GWh	05/08/1979
		32 299 MW	Sunday 24	31 411 MW	17/08/2008	14 099 MW	05/08/1979
Export Balance of physical exchanges	maximum	239 GWh	Friday 8	265 GWh	22/06/2008	298 GWh	08/05/2008
		11 896 MW	Friday 8	13 746 MW	11/11/2008	13 746 MW	11/11/2008
	minimum	83 GWh	Monday 4	-30 GWh	06/01/2009	-95 GWh	02/03/2006
		-472 MW	Thursday 28	-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	May 2009 (GWh)	Trend compared with the same period in 2008	
		May	Since 1 st January
Belgium	383	↘ -68%	↘ -66%
Germany	947	↗ 6%	↗ 58%
Switzerland	2 012	↘ -14%	↗ 5%
Italy	1 593	↘ -6%	↗ 2%
Spain	737	↗ 25%	↘ -7%
Great Britain	1 319	↘ -9%	↘ -26%
Total	6 991	↘ -14%	↘ -10%

IMPORTS	May 2009 (GWh)	Trend compared with the same period in 2008	
		May	Since 1 st January
Belgium	537	↗ n.s.*	↗ n.s.*
Germany	1 016	↘ -5%	↘ -35%
Switzerland	765	↘ -29%	↗ 19%
Italy	13	↘ -80%	↘ -56%
Spain	185	↘ -20%	↗ 33%
Great Britain	36	↗ n.s.*	↗ 144%
Total	2 552	↗ 3%	↘ -3%

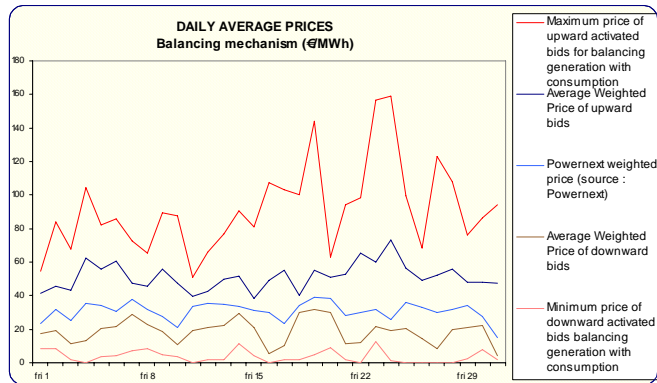
(*) In May 2008, the volume of imports from Belgium was 38 GWh ; whilst imports from Great Britain totalled 8 GWh ; since the beginning of 2009, the volume of imports from Belgium amounts to 2 257 GWh, compared with 222 GWh in 2008.

As of the end of May 2009, some 119 contracts were signed for adhesion to the PTS access rules for imports and exports.

BALANCE RESPONSIBLE – BALANCING MECHANISM

As of the end of May 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.



	May 2009 (GWh)	Trend compared with the same period in 2008		
		May	Since 1 st January	
Exchanges between Balance Responsible	Volume of energy exchanged (via NEB)	21 068	↘ -14 %	↘ -10%
Balancing mechanism	Volume of energy activated upward	301	↗ 22%	↗ 57%
	Volume of energy activated downward	368	↗ 37%	↘ -13%

TRANSMISSION NETWORK DEVELOPMENT

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

- The 90 kV substation at Pré-en-Pail, near Mayenne, was connected to the Lassay-Villaines-la-Juhel overhead line to respond to increased demand in the north-eastern part of the Mayenne department.
- The 63 kV Luxembourg Intermeuse substation was connected to the Fontoy-Sotel line following developments to the network in the Bure area of the Moselle region.
- The 90 kV Les Campeaux -La Vaupalière overhead line entered service following replacement of all the conductors, as part of moves to renew and refurbish the 90 kV lines in the northern part of La Vaupalière, near Rouen.
- The 63 kV Chancenay-Houdelaincourt overhead line entered service, following partial replacement of the conductors, in the Meuse and Haute-Marne regions, to eliminate transmission constraints and prepare for the connection of wind farms.
- A bank of inductors (64 MVAR) at the 400 kV substation at Tourbe, near Caen in the Calvados department.
- A new 225/63 kV (170 MVA) transformer, to replace a 100 MVA transformer at the 225 kV substation at Cheviré, near Nantes in the Loire-Atlantique department.