

OVERVIEW OF ELECTRICAL ENERGY IN JUNE 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

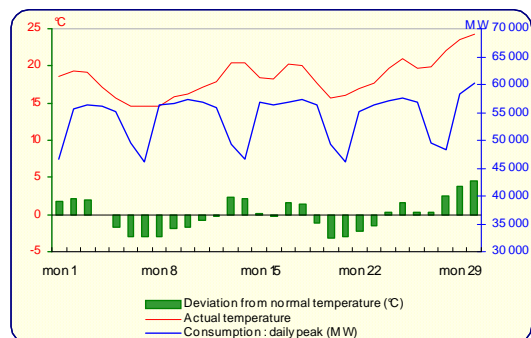
National consumption is the total of all the electrical energy supplied for consumption in France (including Corsica, but not the French Overseas Departments), thermal and hydro generation, wind + imports – exports – pumping, and which have been consumed in the transmission and distribution networks,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

Period	National consumption	Adjusted consumption (*)
Results for June 2009	33.9 TWh	33.8 TWh
Trend compared with June 2008	↘ -2,6%	↘ -2,4%
Trend since 1 st January	↘ -0,9%	↘ -3,0%
Trend over last 12 months	↘ -0,4%	↘ -1,5%

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

Temperature	
Monthly average:	18,4 °C
Deviation from normal temperature:	+0,0 °C/normal
Deviation from June 2008:	+0,5 °C

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



In June 2009, the average monthly temperature was 0,5°C higher than June 2008, resulting in consumption 2,6% lower. Adjusted for climatic contingencies, monthly demand was down by 2,4%. The rate of growth in adjusted consumption over a 12 month sliding period fell from -1,2% at the end of May to -1,5% at the end of June.

BALANCE OF PHYSICAL ELECTRICAL ENERGY FLOWS ON THE RTE NETWORK

NET INJECTIONS INTO THE RTE NETWORK	June 2009 (GWh)	Trend compared with the same period in 2008	
		June	Since 1 st January
Nuclear generation	27 129	↘ -4,9%	↘ -3,7%
Conventional fossil-fuel thermal generation	1 361	↘ -35,0%	↘ -2,3%
Renewable energy sources but hydro	90	↗ 81,4%	↗ 59,4%
Hydro generation	5 822	↘ -23,8%	↘ -1,1%
Total injections	34 402	↘ -10,2%	↘ -3,2%

NET DELIVERIES AT THE TERMINALS OF THE RTE NETWORK	June 2009 (GWh)	Trend compared with the same period in 2008	
		June	Since 1 st January
Physical balance of trade	1 950	↘ -62,3%	↘ -25,6%
Pumping	436	↗ 56,5%	↗ 4,2%
Distribution networks	24 216	↘ -0,7%	↗ 2,1%
Industrial consumers (HV)	7 118	↘ -8,4%	↘ -12,8%
Total deliveries	33 720	↘ -10,3%	↘ -3,2%

In June 2009, extractions by distributors were down by 0,15 TWh compared with June 2008, whilst extractions by industrial consumers were down by 0,65 TWh. Pumping rose by 0,15 TWh. The export balance was down by 3,25 TWh. Generation injected into the RTE network was down by 3,9 TWh. Injections from nuclear installations fell by 1,4 TWh, whilst those from fossil-fuel plants fell by 0,75 TWh and injections from hydro-electric installations were down by 1,8 TWh. Injections from renewable energy sources rose by 0,05 TWh. The physical balance of exchanges remained positive (exporting) throughout the month, but France was a net importer of energy on two days, the 29th and 30th, and at a few points in time on a total of 19 days.

CONSUMPTION AND PHYSICAL EXCHANGES noteworthy data

		June		Last 12 months		Absolute *	
Consumption	Maximum	1 252 GWh	Tuesday 30	2 035 GWh	07/01/2009	2 035 GWh	07/01/2009
		60 328 MW	Tuesday 30	92 400 MW	07/01/2009	92 400 MW	07/01/2009
	Minimum	953 GWh	Sunday 21	898 GWh	17/08/2008	391 GWh	05/08/1979
		32 715 MW	Sunday 14	31 411 MW	17/08/2008	14 099 MW	05/08/1979
Export balance of physical exchanges	Maximum	189 GWh	Sunday 7	264 GWh	11/11/2008	298 GWh	08/05/2008
		10 477 MW	Sunday 7	13 746 MW	11/11/2008	13 746 MW	11/11/2008
	Minimum	-29 GWh	Tuesday 30	-30 GWh	06/01/2009	-95 GWh	02/03/2006
		-4 079 MW	Tuesday 30	-4 079 MW	30/06/2009	-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	June 2009 (GWh)	Trend compared with the same period in 2008	
		June	Since 1 st January
Belgium	353	↘ -72%	↘ -67%
Germany	446	↘ -51%	↗ 25%
Switzerland	1 970	↘ -8%	↗ 2%
Italy	1 579	↗ 14%	↗ 4%
Spain	512	↗ 33%	↘ -2%
Great Britain	810	↘ -37%	↘ -28%
Total	5 670	↘ -23%	↘ -13%

IMPORTS	June 2009 (GWh)	Trend compared with the same period in 2008	
		June	Since 1 st January
Belgium	407	↗ n.s.*	↗ n.s.*
Germany	1 644	↗ 111%	↘ -25%
Switzerland	1 404	↗ 64%	↗ 31%
Italy	64	↘ -82%	↘ -67%
Spain	243	↘ -17%	↗ 23%
Great Britain	62	↗ n.s.*	↗ 154%
Total	3,824	↗ 64%	↗ 6%

*In June 2008, the volume of imports from Belgium was 42 GWh, whilst imports from Great Britain totalled 7 GWh; since the beginning of 2009, the volume of imports from Belgium totals 2 664 GWh, compared with 263 GWh in 2008.

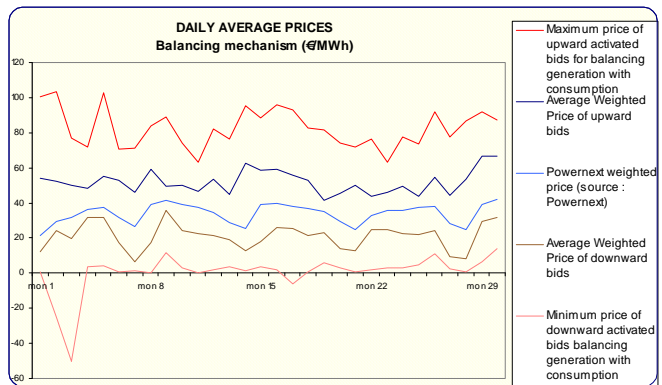
As of the end of June 2009, some 119 contracts were signed for adhesion to the PTS access rules for imports and exports.

BALANCE RESPONSIBLE ENTITIES – BALANCING MECHANISM

As of the end of June 2009, some 40 Balancing Actors and 149 Balance Responsible Entities (*) were declared.

On the 2nd and 3rd, very low downward balancing reserves led RTE to call on downward balancing offers with extremely negative prices.

(*) Balance Responsible Entity: any legal entity 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 consumption for which it is responsible.



Balancing Mechanism	June 2009 (GWh)	Trend compared with the same period in 2008	
		June	Since 1 st January
Total volume of energy activated upward	220	↗ 3%	↗ 50%
Total volume of energy activated downward	412	↗ 48%	↘ -4%

TRANSMISSION NETWORK DEVELOPMENT

In June, the following installations entered service:

- Connection of the 90 kV substation at La Maie in the Pas-de-Calais department, by a line running from Gosnay, to strengthen the power supply to the north-west of the Bruay region.
- A 100 MVA, 225/63 kV transformer, to replace a 70 MVA device, at the Ste Tulle substation in the Alpes-de-Haute-Provence.