Gestionnaire du Réseau de Transport d'Electricité

OVERVIEW OF ELECTRICAL ENERGY IN JULY 2003

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 11 August 2003.

NATIONAL ELECTRICAL CONSUMPTION IN FRANCE

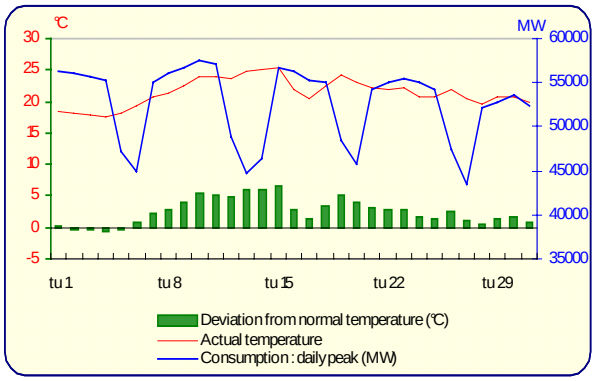
National consumption is the total of all the electrical energy supplied for consumption in France (including Corsica, but not the French Overseas Departments), thermal and hydro generation + imports – exports – pumping, and which have been consumed in the transmission and distribution networks, by the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

Period	National consumption		Adjusted Consumption (*)	
Results in July 2003	**35,0 TWh**		**34,6 TWh**	
Trend compared with July 2002	↗	2,.5%	↗	1.5%
Trend since 1st January	↗	3.7%	↗	2.2%
Trend over past 12 months	↗	1.7%	↗	1.9%

(*) Adjusted for winter and summer climate contingencies

Temperature	
Monthly average :	21.4 °C
Deviation from normal temperature :	+ 2.5 °C/normale
Deviance from July 2002 :	+ 2.3 °C

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



National consumption in July 2003 has risen by 2.5% compared with July 2002. The July average temperature, which has been 2.3°C higher in 2003 than in July 2002, has resulted in consumption linked to higher use of air-conditioning and agricultural sprinklers. Adjusted for climatic effects, monthly consumption has increased by 1.5% compared with July 2002.
The consumption growth rate adjusted over 12 months has fallen by 0.2% since last month, whereas the national consumption growth rate over the last 12 months has fallen by 0.1%.

THE ENERGY BALANCE RECORDED BY THE TRANSMISSION NETWORK

The balance recorded by RTE takes into account only the energy physical flows conveyed on the RTE network

NET INJECTIONS INTO THE RTE NETWORK	July 2003 (GWh)	Trend compared with The same period in 2002	
		July	Since 1st January
Thermal generation	35 475	↗ 2.5%	≈ 0.3%
Hydro generation	3 661	↘ -17%	↗ 18.1%
Physical imports	634	↗ 13.9%	↗ 76.9%
Total injections	**39 770**	**≈ 0.4%**	**↗ 2.7%**

NET DELIVERIES AT THE TERMINALS OF THE RTE NETWORK	July 2003 (GWh)	Trend compared with the same period in 2002	
		July	Since 1st January
Distribution networks	23 895	↗ 3.0%	↗ 4.1%
Industrial consumers (HV)	8 545	↘ -1.1%	↗ 4.3%
Pumping	544	↘ -8.0%	↘ -11%
Physical exports	5 606	↘ -8.9%	↘ -3.7%
Total deliveries	**38 590**	**≈ 0.0%**	**↗ 2.7%**

In July 2003, consumption has remained stable compared with July 2002, with increased deliveries to distribution networks (+0.7 TWh) compensating for the drop in deliveries to industrial consumers (-0.1 TWh) and exports (-0.5 TWh).
Injections have risen slightly (+0.2 TWh) due to the combined effects of a substantial increase in thermal generation (+0.9 TWh) and imports (+0.1 TWh), which offset the considerable fall in hydro generation (-0.8 TWh).

CONSUMPTION AND PHYSICAL EXCHANGES : noteworthy data

These values reflect all the flows on the RTE network, as well as the generation autoconsumed by the industrial consumers connected to this network.

		July 2003		Last 12 months		Absolute	
Consumption	maximum	1 215 GWh	Thursday 10	1 736 GWh	09/01/2003	1 736 GWh	09/01/2003
		57 450 MW	Thursday 10	80 190 MW	08/01/2003	80 190 MW	08/01/2003
	minimum	914 GWh	Sunday 27	811 GWh	11/08/2002		
		32 309 MW	Sunday 6	28 182 MW	11/08/2002		
Export Balance of physical exchanges	maximum	206 GWh	Saturday 19	290 GWh	14/12/2002	297 GWh	06/12/2001
		10 269 MW	Monday 14	13 277 MW	22/12/2002	13 277 MW	22/12/2002
	minimum	103 GWh	Wednesday 16	99 GWh	03/04/2003		
		1 889 MW	Wednesday 16	1 889 MW	16/07/2003		

THE ELECTRICITY MARKET

THE MARKET PLAYERS

Balance Responsibles (RE)		
Number of Balance Responsibles	68	On 31 July 2003
Base Load Block Exchange Notifications (NEB) on contract basis	1 031	Active on 31 July 2003
Volume of energy exchanged between BR (via NEB)	9 692 GWh	In July 2003

Balance Responsible : any natural or legal person or 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.

CONTRACTUAL EXCHANGES RECORDED BY RTE

- **CONTRACTS FOR ACCESS TO INTERNATIONAL CONNECTIONS**

Participation agreement to the Rules for access to the French Public Transmission Network (RPT)	94	On 31 July 2003
Import transactions	277	In progress, on 31 July 2003
Export transactions	685	In progress, on 31 July 2003

- **CONTRACTUAL EXCHANGES BY BORDER**

These exchanges include all transactions managed by RTE (including historical contracts).

CONTRACTUAL EXCHANGES -EXPORT-	July 2003 (GWh)	Trend compared with the same period in 2002 July		Since 1st January	
Belgium	1 045	↘	-1%	↗	10%
Germany	1 071	↗	24%	↗	30%
Switzerland	1 996	≈	0%	↘	-10%
Italy	1 794	↘	-4%	↘	-1%
Spain	704	↘	-5%	↘	-17%
Great Britain	355	↗	3%	↘	-37%
Total	**6 965**	↘	**-3%**	↘	**-4%**

CONTRACTUAL EXCHANGES -IMPORT-	July 2003 (GWh)	Trend compared with the same period in 2002 July		Since 1st January	
Belgium	426	↗	6%	↘	-1%
Germany	799	↗	155%	↘	-2%
Switzerland	510	↗	33%	↘	-16%
Italy	0	↘	-100%	↘	-70%
Spain*	76	↗	5332%	↗	877%
Great Britain*	304	↗	13%	↗	368%
Total	**2 115**	↗	**48%**	↗	**38%**

* In July 2002, contractual volumes imported were 313 GWh with Germany, 3 GWh with Italy, 1.4 GWh with Spain and 269 GWh with Great Britain."

TRANSMISSION NETWORK DEVELOPMENT

The following facilities were commissioned on the RTE network in July 2003:

- A 600 MVA autotransformer at the 400 kV Tricastin substation; the Tricastin substation has also been connected to the 225 kV Bollène-Châteauneuf du Rhône 1 line, as part of work to restructure the 225 kV network between Tavel and Tricastin;
- Transformer 632 at the 225 kV Bruges substation, for strengthening supply to the Bordeaux area;
- Transformer 612 at the Muette substation, for relieving pressure on the 225 kV lines circling Paris;
- The 63 kV substation at Arsot, connected to the substation at Argiésans by a 9.6 km underground cable;
- The 63 kV Cissac-Margaux line, following the connection of the Margaux substation to the 63 kV Bruges-Cissac 1 line.

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