

# ANNEX TO THE ELECTRICAL ENERGY OVERVIEW

## BALANCE OF ELECTRICAL ENERGY IN FRANCE

Values are shown in GWh.

Year 2010 – definitive figures		January	February	March	April	May	June
<b>NET GENERATION</b>							
	Nuclear	40 313	36 316	35 984	31 294	29 372	29 575
	Fossil-fuel thermal generation	8 801	6 822	7 250	3 568	2 843	2 366
	Hydro	6 307	5 887	6 204	5 684	6 428	7 263
	Wind	688	980	1 175	731	743	581
	Other renewable sources <sup>1</sup>	447	413	469	421	468	449
	<b>Total net generation</b>	<b>56 556</b>	<b>50 418</b>	<b>51 081</b>	<b>41 699</b>	<b>39 854</b>	<b>40 234</b>
<b>GROSS INTERNAL CONSUMPTION</b>							
	Consumers directly connected to the RTE grid <sup>2</sup>	5 803	5 447	6 630	6 735	7 045	7 111
	Other consumers and losses on all networks <sup>3</sup>	50 553	43 262	41 674	31 908	30 246	27 473
	<b>Total gross internal consumption</b>	<b>56 356</b>	<b>48 709</b>	<b>48 304</b>	<b>38 643</b>	<b>37 291</b>	<b>34 584</b>
	<b>Energy extracted for pumping</b>	<b>598</b>	<b>580</b>	<b>643</b>	<b>530</b>	<b>433</b>	<b>370</b>
	<b>Balance of physical exchanges <sup>4</sup></b>	<b>-398</b>	<b>1 128</b>	<b>2 134</b>	<b>2 526</b>	<b>2 130</b>	<b>5 281</b>

Year 2010 – definitive figures		July	August	September	October	November	December	Total
<b>NET GENERATION</b>								
	Nuclear	31 744	32 391	31 657	31 885	35 455	41 889	407 876
	Fossil-fuel thermal generation	2 953	1 580	2 965	4 713	7 024	8 598	59 484
	Hydro	5 410	4 348	3 594	4 023	5 466	6 985	67 599
	Wind	488	684	569	1 075	1 010	1 003	9 726
	Other renewable sources <sup>1</sup>	481	505	449	434	498	503	5 537
	<b>Total net generation</b>	<b>41 076</b>	<b>39 509</b>	<b>39 234</b>	<b>42 131</b>	<b>49 454</b>	<b>58 978</b>	<b>550 222</b>
<b>GROSS INTERNAL CONSUMPTION</b>								
	Consumers directly connected to the RTE grid <sup>2</sup>	7 401	6 712	7 206	7 039	6 906	6 375	80 410
	Other consumers and losses on all networks <sup>3</sup>	28 642	26 366	27 913	33 894	39 636	51 237	432 804
	<b>Total gross internal consumption</b>	<b>36 043</b>	<b>33 079</b>	<b>35 120</b>	<b>40 933</b>	<b>46 541</b>	<b>57 611</b>	<b>513 214</b>
	<b>Energy extracted for pumping</b>	<b>442</b>	<b>542</b>	<b>516</b>	<b>645</b>	<b>620</b>	<b>578</b>	<b>6 496</b>
	<b>Balance of physical exchanges <sup>4</sup></b>	<b>4 591</b>	<b>5 888</b>	<b>3 598</b>	<b>553</b>	<b>2 293</b>	<b>788</b>	<b>30 511</b>

## CONSUMPTION ADJUSTED FOR CLIMATIC CONTINGENCIES

As of June 2011 RTE is reviewing the panel of weather stations that make up its national temperature index and the reference values used to calculate the impact of meteorological conditions on electricity demand: see news item published on May 27th 2011 on the RTE website: <http://www.rte-france.com/fr/actualites-dossiers/a-la-une>

The monthly figures used to calculate the growth rates for adjusted consumption as published in this document have been updated to take account of this new reference.

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
2009	Consumption adjusted for meteorological contingencies (TWh) <sup>5</sup>	51.3	44.3	43.9	37.5	34.1	33.8	35.4	32.7	34.5	38.9	44.1	50.1	480.6
	deviation from ref. temp. (°C)	-2.5	-1.6	-0.5	0.1	0.1	-0.4	-0.7	1.0	0.3	0.0	1.7	-0.5	-0.2
2010	Consumption adjusted for meteorological contingencies (TWh) <sup>5</sup>	51.6	45.0	46.5	38.1	34.7	34.4	35.8	33.2	34.8	38.9	45.0	51.9	489.9
	deviation from ref. temp. (°C)	-3.1	-2.1	-1.0	-0.2	-2.4	-0.5	0.7	-1.0	-1.0	-0.9	-1.0	-3.1	-1.3
2011	Consumption adjusted for meteorological contingencies (TWh) <sup>5</sup>	53.5	45.7	46.4	37.7	35.2								
	deviation from ref. temp. (°C)	-0.3	0.2	0.6	2.4	0.9								

The subtotals are shown as rounded figures. As a result the overall total may differ from the exact sum of subtotals.

<sup>1</sup> mainly: household waste paper waste biogas solar

<sup>2</sup> extractions by these consumers on the RTE network

<sup>3</sup> SMEs professionals and private consumers served by the distribution networks generation used by industrial consumers at their sites

losses on the transmission and distribution networks

<sup>4</sup> a positive value indicates a net export balance a negative value indicates a net import balance.

<sup>5</sup> adjustment for meteorological contingencies in winter and summer taking into account the new reference temperatures