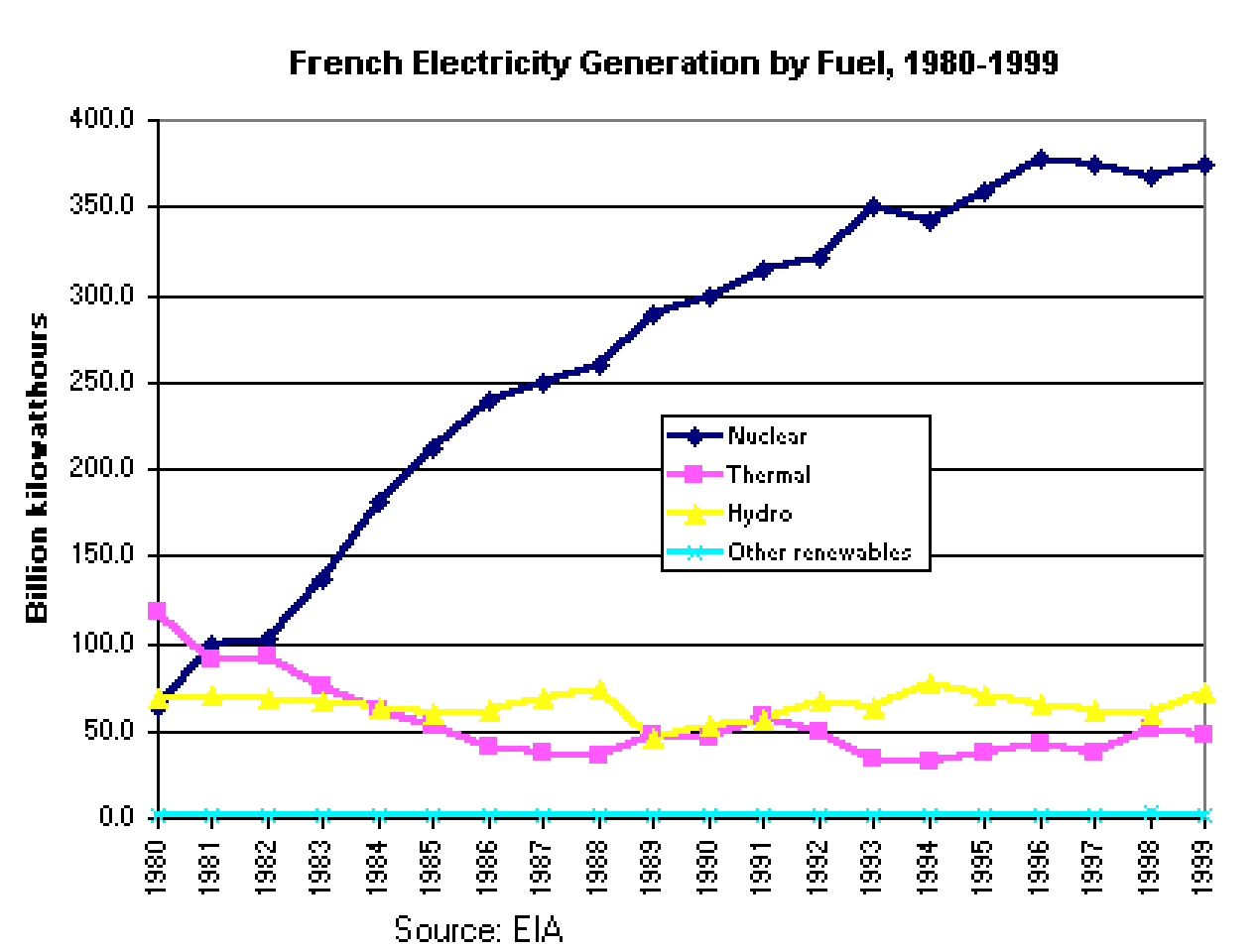
ELECTRICITY
CONSUMPTION AND GENERATION

	Data from "International Energy Annual 2000 May 2002"	http://www.eia.doe.gov/iea	DOE/EIA-0219(2000)	
ELECTRICITY	prepared by C.Royere Dec 2002			
	WORLD	**US**	**Fr**	**W Eur**
CONSUMPTION 2000 TOTAL 10**9 kWh	13719,1	3621,0	408,5	2694,5
HEAT EXPENSE FOR CONSUMPTION 2000 TOTAL Q**	142,7	37,7	4,2	28,0
GENERATION 1999 TOTAL 10**9 kWh	14064,9	3704,0	499,5	2797,0
HEAT EXPENSE FOR GENERATION 1999 TOTAL Q	146,3	38,5	5,2	29,1
GENERATION 1999 THERMAL 10**9 kWh	8838,9	2577,9	49,4	1353,2
HEAT EXPENSE FOR GENERATION 1999 THERMAL Q	91,9	26,8	0,5	14,1
GENERATION 1999 NET HYDRO 10**9 kWh	2606,7	313,4	71,7	526,4
HEAT EXPENSE FOR GENERATION 1999 NET HYDRO Q	27,1	3,3	0,7	5,5
GENERATION 1999 NET NUCLEAR 10**9 kWh	2391,0	728,3	375,1	850,2
HEAT EXPENSE FOR GENERATION 1999 NET NUCLEAR Q	24,9	7,6	3,9	8,8
GENERATION 1999 NET OTHERS* 10**9 kWh	228,3	85,1	3,3	67,2
HEAT EXPENSE FOR GENERATION 1999 NET OTHERS* Q	2,4	0,9	0,0	0,7
OTHERS*	GEOTHERMAL, SOLAR, WIND, WOOD, WASTE			
Q**	10**15 Btu	25,2 Mtoe	183,86 Mbbl	
HYDRO, NUCLEAR, OTHERS Btu	kWh*10400			
GEOTHERMAL Btu	kWh*21000			

France--Electricity Generation by Fuel



http://eia.doe.gov/emeu/cabs/france.html

C.Royère

La consommation d'énergie: Tableau 2

Q/yr	World	US	Fr	W Eur
Total primary	397,40	98,79	10,41	71,29
Petroleum	154,28	38,4	4,17	30,30
Nat. Gas	90,15	23,11	1,55	15,46
Coal	94,22	22,50	0,60	9,85
Net Hydroelectric	27,80	3,09	0,69	5,79
Net Nuclear	25,66	8,01	4,08	8,88
Net Geoth. Sol. Wind Wood Waste	2,99	1,02	0,04	0,85
Source : World 2000, US DOE EIA ; **Q**=10^{15} Btu =1,055056 .10^{18} J				
H2 mondial : 45 Mt/an (Gaudernack et al. , 1998) soit 5,4 EJ/an (5,12 Q/an) environ 129 Mtep/an environ 1,29% world total primary si SMR 67 Mt C equiv / year soit environ 1,04% world C equiv production				
Préparé par C.Royère, Septembre 2002				