

# France

Energy Efficiency/CO2 <sup>1</sup> Indicators	Units	1980	1990	2000	<sup>4</sup> 2008
<b>Key indicators</b>					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.173	0.159	0.149	0.136
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.165	0.151	0.142	0.129
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.170	0.141	0.129	0.110
Final energy intensity (at ppp)	koe/\$05p	0.119	0.094	0.088	0.077
Final energy intensity at 2005 GDP structure <sup>3</sup> (ppp)	koe/\$05p	0.113	0.092	0.088	0.077
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.125	0.099	0.091	0.078
Ratio final/primary intensity	%	75.8	65.0	65.5	63.6
CO2 intensity (at ppp)	kCO2/\$05p	n.a.	0.245	0.215	0.180
CO2 emissions per capita	tCO2/cap	n.a.	6.11	6.28	5.67
<b>Industry</b>					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.168	0.113	0.105	0.079
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.226	0.155	0.145	0.114
Energy intensity of chemicals industry (at ppp)	koe/\$05p	0.731	0.361	0.238	0.151
Unit consumption of steel	toe/t	0.50	0.43	0.32	0.36
Share of electric process in steel production	%	15.9	28.4	40.3	40.3
Share of industrial cogeneration in power generation	%	0	0.3	1.9	2.2
CO2 intensity of industry <sup>2</sup> (to value added) (at ppp)	kCO2/\$05p	n.a.	0.296	0.242	0.199
CO2 emissions of industry <sup>2</sup> per capita	tCO2/cap	n.a.	1.63	1.45	1.26
<b>Transport</b>					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.027	0.027	0.026	0.023
Average consumption of road transport per equivalent car	toe/car equiv.	0.89	0.82	0.80	0.72
Unit consumption of goods per ton km	toe/tkm	0.06	0.08	0.07	0.07
Share of biofuels in road transport energy consumption	%	0	0	0.8	5.5
CO2 intensity of transport to GDP (at ppp)	kCO2/\$05p	n.a.	0.079	0.077	0.065
CO2 emissions of transport per capita	tCO2/cap	n.a.	1.97	2.25	2.06
<b>Households</b>					
Average electricity consumption of households per capita	kWh/cap	1142	1708	2186	2474
Average electricity consumption of electrified households	kWh/hh	3209	4476	5355	5787
Households consumption for electrical appliances and lighting	kWh/hh	0	1917	2442	2820
Per capita installed capacity of solar water heaters	m <sup>2</sup> /1000inhab	0	5.1	9.2	28.8
CO2 emissions of residential sector per household	tCO2/hh	n.a.	2.96	2.73	2.53
<b>Services</b>					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.019	0.016	0.015	0.016
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	64	87	93	105
Unit consumption of services per employee	toe/emp	1.01	0.94	0.97	1.09
Unit electricity consumption of services per employee	kWh/emp	3367	5173	5936	6977
CO2 intensity of service sector (to value added) (at ppp)	kCO2/\$05p	n.a.	0.023	0.019	0.018
CO2 emissions of service sector per employee	tCO2/emp	n.a.	1.39	1.21	1.21
<b>Agriculture</b>					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	0.100	0.099	0.080	0.079
CO2 intensity of agriculture (to value added) (at ppp)	kCO2/\$05p	n.a.	0.277	0.218	0.205
CO2 emissions of agriculture sector per capita	tCO2/cap	n.a.	0.18	0.16	0.14
<b>Transformation sector</b>					
Efficiency of total electricity generation	%	42.5	37.0	36.4	36.0
Rate of electricity transmission-distribution losses	%	8.7	9.3	7.7	7.4
Efficiency of thermal power plants	%	35.8	38.4	34.4	31.6
Share of renewables in electricity generating capacity	%	30.9	24.5	22.8	25.2
Share of renewables in gross electricity consumption	%	27.3	14.0	14.0	13.9

<sup>1</sup> CO2 from fuel combustion

<sup>2</sup> incl. autoproducers

<sup>3</sup> by main sector

<sup>4</sup> Italic = 2007

GDP / PRICES	Units	1980	1990	2000	2008
GDP per capita (at ppp)	\$05p/cap	20715	24943	29225	31577
Average electricity price (at ppp)	c05p/kWh	12.4	11.6	8.8	10.2
Average price of motor fuels (at ppp)	\$05p/l	1.24	0.94	1.11	1.31