

Lebanon

Energy Efficiency/CO ₂ ¹ Indicators	Units	1980	1990	2000	⁴ 2008
Key indicators					
Primary energy intensity (at purchasing power parities (ppp))	koe/\$05p	0.155	0.143	0.154	0.097
Primary energy intensity excluding traditional fuels (ppp)	koe/\$05p	0.148	0.136	0.150	0.094
Primary energy intensity adjusted to EU structure (ppp)	koe/\$05p	0.094	0.105	0.153	0.080
Final energy intensity (at ppp)	koe/\$05p	0.094	0.090	0.110	0.060
Final energy intensity at 2005 GDP structure ³ (ppp)	koe/\$05p	0.079	0.082	0.109	0.060
Final energy intensity adjusted to EU economic structure (ppp)	koe/\$05p	0.069	0.073	0.108	0.057
Ratio final/primary intensity	%	60.4	63.3	73.3	62.9
CO ₂ intensity (at ppp)	kCO ₂ /\$05p	n.a.	0.405	0.435	0.279
CO ₂ emissions per capita	tCO ₂ /cap	n.a.	2.12	3.62	3.00
Industry					
Energy intensity of industry (to value added) (at ppp)	koe/\$05p	0.001	0.024	0.150	0.064
Energy intensity of manufacturing (at ppp)	koe/\$05p	0.001	0.028	0.255	0.115
Energy intensity of chemicals industry (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
Unit consumption of steel	toe/t	n.a.	n.a.	n.a.	n.a.
Share of electric process in steel production	%	n.a.	n.a.	n.a.	n.a.
Share of industrial cogeneration in power generation	%	0	0	0	0
CO ₂ intensity of industry ² (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	0.078	0.404	0.139
CO ₂ emissions of industry ² per capita	tCO ₂ /cap	n.a.	0.11	0.63	0.29
Transport					
Energy intensity of transport to GDP (at ppp)	koe/\$05p	0.041	0.041	0.043	0.024
Average consumption of road transport per equivalent car	toe/car equiv.	n.a.	n.a.	n.a.	n.a.
Unit consumption of goods per ton km	toe/tkm	n.a.	n.a.	n.a.	n.a.
Share of biofuels in road transport energy consumption	%	0	0	0	0
CO ₂ intensity of transport to GDP (at ppp)	kCO ₂ /\$05p	n.a.	0.116	0.123	0.068
CO ₂ emissions of transport per capita	tCO ₂ /cap	n.a.	0.61	1.02	0.73
Households					
Average electricity consumption of households per capita	kWh/cap	n.a.	n.a.	793	874
Average electricity consumption of electrified households	kWh/hh	n.a.	n.a.	n.a.	n.a.
Households consumption for electrical appliances and lighting	kWh/hh	n.a.	n.a.	n.a.	n.a.
Per capita installed capacity of solar water heaters	m ² /1000inhab	n.a.	n.a.	n.a.	n.a.
CO ₂ emissions of residential sector per household	tCO ₂ /hh	n.a.	n.a.	n.a.	n.a.
Services					
Energy intensity of service sector (to value added) (at ppp)	koe/\$05p	0.020	0.013	0.012	0.011
Electricity intensity of service sector (to value added) (at ppp)	kWh/k\$05p	n.a.	149	143	123
Unit consumption of services per employee	toe/emp	0.41	0.16	n.a.	n.a.
Unit electricity consumption of services per employee	kWh/emp	n.a.	n.a.	n.a.	n.a.
CO ₂ intensity of service sector (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	n.a.	n.a.	n.a.
CO ₂ emissions of service sector per employee	tCO ₂ /emp	n.a.	n.a.	n.a.	n.a.
Agriculture					
Energy intensity of agriculture (to value added) (at ppp)	koe/\$05p	n.a.	n.a.	n.a.	n.a.
CO ₂ intensity of agriculture (to value added) (at ppp)	kCO ₂ /\$05p	n.a.	n.a.	n.a.	n.a.
CO ₂ emissions of agriculture sector per capita	tCO ₂ /cap	n.a.	n.a.	n.a.	n.a.
Transformation sector					
Efficiency of total electricity generation	%	24.3	14.3	37.0	38.9
Rate of electricity transmission-distribution losses	%	12.5	7.5	17.6	17.6
Efficiency of thermal power plants	%	18.2	10.0	35.6	37.9
Share of renewables in electricity generating capacity	%	42.5	21.4	11.8	17.0
Share of renewables in gross electricity consumption	%	30.9	33.3	5.7	4.1

¹ CO₂ from fuel combustion

² incl. autoproducers

³ by main sector

⁴ Italic = 2007

GDP / PRICES	Units	1980	1990	2000	2008
GDP per capita (at ppp)	\$05p/cap	5492	5267	8328	10694
Average electricity price (at ppp)	c05p/kWh	n.a.	n.a.	n.a.	n.a.
Average price of motor fuels (at ppp)	\$05p/l	n.a.	n.a.	0.97	1.14