

# Bangladesh

| Energy Efficiency/CO2 <sup>1</sup> Indicators                       | Units                     | 1980  | 1990  | 2000  | 2005  |
|---|---------------------------|-------|-------|-------|-------|
| <b>Key indicators</b>   |                           |       |       |       |       |
| Primary energy intensity (at purchasing power parities (ppp))       | koe/\$95p                 | 0,104 | 0,110 | 0,100 | 0,097 |
| Primary energy intensity excluding traditional fuels (ppp)          | koe/\$95p                 | 0,035 | 0,051 | 0,060 | 0,063 |
| Primary energy intensity adjusted to EU structure (ppp)             | koe/\$95p                 | 0,084 | 0,087 | 0,083 | 0,079 |
| Final energy intensity (at ppp)                                     | koe/\$95p                 | 0,091 | 0,083 | 0,069 | 0,065 |
| Final energy intensity at 1995 GDP structure <sup>3</sup> (ppp)     | koe/\$95p                 | 0,083 | 0,079 | 0,075 | 0,074 |
| Final energy intensity adjusted to EU economic structure (ppp)      | koe/\$95p                 | 0,062 | 0,062 | 0,060 | 0,057 |
| CO2 intensity (at ppp)  | kCO2/\$95p                | n.a.  | 0,119 | 0,131 | 0,141 |
| CO2 emissions per capita  | tCO2/cap                  | n.a.  | 0,13  | 0,19  | 0,24  |
| <b>Industry</b>   |                           |       |       |       |       |
| Energy intensity of industry (to value added) (at ppp)              | koe/\$95p                 | 0,057 | 0,044 | 0,042 | 0,037 |
| Energy intensity of manufacturing (at ppp)                          | koe/\$95p                 | 0,087 | 0,073 | 0,069 | n.a.  |
| Energy intensity of chemicals industry (at ppp)                     | koe/\$95p                 | n.a.  | n.a.  | n.a.  | n.a.  |
| Unit consumption of steel   | toe/t                     | n.a.  | n.a.  | n.a.  | n.a.  |
| CO2 intensity of industry <sup>2</sup> (to value added) (at ppp)    | kCO2/\$95p                | n.a.  | 0,195 | 0,162 | 0,133 |
| CO2 emissions of industry <sup>2</sup> per capita                   | tCO2/cap                  | n.a.  | 0,04  | 0,06  | 0,06  |
| <b>Transport</b>  |                           |       |       |       |       |
| Energy intensity of transport to GDP (at ppp)                       | koe/\$95p                 | 0,005 | 0,005 | 0,006 | 0,006 |
| 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.  |
| CO2 intensity of transport to GDP (at ppp)                          | kCO2/\$95p                | n.a.  | 0,016 | 0,018 | 0,017 |
| CO2 emissions of transport per capita                               | tCO2/cap                  | n.a.  | 0,02  | 0,03  | 0,03  |
| <b>Residential, service and agriculture sectors</b>                 |                           |       |       |       |       |
| Energy intensity of households (to private consumption) (at ppp)    | koe/\$95p                 | 0,077 | 0,074 | 0,067 | 0,066 |
| Average electricity consumption of households per capita            | kWh/cap                   | 3     | 12    | 43    | 61    |
| Average electricity consumption per household                       | kWh/hh                    | n.a.  | n.a.  | n.a.  | n.a.  |
| 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.  |
| Energy intensity of service sector (to value added) (at ppp)        | koe/\$95p                 | 0,001 | 0,002 | 0,002 | 0,002 |
| Electricity intensity of service sector (to value added) (at ppp)   | kWh/\$95p                 | 7     | 10    | 14    | 17    |
| Unit consumption of services per employee                           | toe/emp                   | n.a.  | 0,01  | 0,01  | n.a.  |
| Unit electricity consumption of services per employee               | kWh/emp                   | n.a.  | 70    | 79    | n.a.  |
| Energy intensity of agriculture (to value added) (at ppp)           | koe/\$95p                 | 0,004 | 0,008 | 0,010 | 0,014 |
| CO2 intensity of households (to private consumption) (at ppp)       | kCO2/\$95p                | n.a.  | 0,019 | 0,023 | 0,030 |
| CO2 emissions of residential sector per household                   | tCO2/hh                   | n.a.  | n.a.  | n.a.  | n.a.  |
| CO2 intensity of service sector (to value added) (at ppp)           | kCO2/\$95p                | n.a.  | 0,003 | 0,002 | 0,002 |
| CO2 emissions of service sector per employee                        | tCO2/emp                  | n.a.  | 0,02  | 0,01  | n.a.  |
| CO2 intensity of agriculture (to value added) (at ppp)              | kCO2/\$95p                | n.a.  | 0,023 | 0,030 | 0,038 |
| CO2 emissions of agriculture sector per capita                      | tCO2/cap                  | n.a.  | 0,01  | 0,01  | 0,01  |
| <b>Transformation sector</b>  |                           |       |       |       |       |
| Overall efficiency of energy transformations                        | %                         | 77,8  | 70,5  | 69,9  | 67,0  |
| Efficiency of total electricity generation                          | %                         | 31,8  | 35,5  | 36,5  | 32,3  |
| Rate of electricity transmission-distribution losses                | %                         | 35,3  | 33,6  | 15,3  | 9,1   |
| Efficiency of thermal power plants                                  | %                         | 26,0  | 32,8  | 35,1  | 31,1  |
| <b>Diffusion of energy/CO2 efficient technologies and practices</b> |                           |       |       |       |       |
| Per capita installed capacity of solar water heaters                | m <sup>2</sup> /1000inhab | n.a.  | n.a.  | n.a.  | n.a.  |
| Share of biofuels in road transport energy consumption              | %                         | 0     | 0     | 0     | 0     |
| Share of biomass in industry energy consumption                     | %                         | 0     | 0     | 0     | 0     |
| Share of renewables in electricity generating capacity              | %                         | 8,1   | 9,1   | 6,0   | 4,3   |
| Share of renewables in gross electricity consumption                | %                         | 24,8  | 11,4  | 6,0   | 5,4   |

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

<sup>2</sup> incl. autoproducers

<sup>3</sup> by main sector

| GDP / PRICES                          | units     | 1980 | 1990 | 2000 | 2005 |
|---------------------------------------|-----------|------|------|------|------|
| GDP per capita (at ppp)               | \$95p/cap | 994  | 1132 | 1460 | 1732 |
| Average electricity price (at ppp)    | c95p/kWh  | n.a. | n.a. | n.a. | 27,4 |
| Average price of motor fuels (at ppp) | \$95p/l   | n.a. | n.a. | 1,52 | 1,82 |