

KOREA
ENERGY BALANCE TABLES

| 2002 | | | | | | | | | | Mtoe |
|---------------------------------|-------------|--------------|-------------|------------|-------------|------------|-------------|------------|-------|--------------|
| | Coal | Oil | Gas | Hydro | Nuclear | NRE | Electricity | Heat | Total | |
| Production | | | | 1.2 | 25.7 | 5.1 | | | | 31.9 |
| Net Imports | 35.1 | 106.4 | 27.8 | | | | | | | 169.3 |
| TPED | 34.5 | 105.8 | 27.4 | 1.2 | 25.7 | 5.1 | | | | 199.7 |
| Electricity and Heat Generation | - 20.1 | - 5.9 | - 14.6 | - 1.2 | - 25.7 | - 4.8 | 25.3 | 3.2 | | - 43.7 |
| Petroleum Refineries | | - 16.5 | - 0.3 | | | | | | | - 16.7 |
| Others | - 5.9 | - 0.6 | | | | - 0.1 | | | | - 6.6 |
| TFED | 8.6 | 83.7 | 13.1 | | | 0.1 | 25.3 | 3.2 | | 134.1 |
| Industry | 8.1 | 39.2 | 3.4 | | | | 13.5 | 2.0 | | 66.2 |
| Transport | | 32.8 | 0.1 | | | | 0.2 | | | 33.1 |
| Residential | 0.6 | 4.4 | 7.9 | | | 0.1 | 3.6 | 1.1 | | 17.6 |
| Commercial | | 7.3 | 1.7 | | | 0.1 | 7.9 | 0.1 | | 17.2 |

| 2010 | | | | | | | | | | Mtoe |
|---------------------------------|-------------|--------------|-------------|------------|-------------|------------|-------------|------------|-------|--------------|
| | Coal | Oil | Gas | Hydro | Nuclear | NRE | Electricity | Heat | Total | |
| Production | | | 0.4 | 1.7 | 31.7 | 9.4 | | | | 43.1 |
| Net Imports | 44.4 | 110.3 | 43.5 | | | | | | | 198.2 |
| TPED | 44.4 | 110.3 | 43.9 | 1.7 | 31.7 | 9.4 | | | | 241.3 |
| Electricity and Heat Generation | - 32.9 | - 5.3 | - 22.4 | - 1.7 | - 31.7 | - 9.2 | 37.2 | 5.6 | | - 60.4 |
| Petroleum Refineries | | - 5.0 | - 0.3 | | | | | | | - 5.3 |
| Others | | - 0.6 | | | | | | | | - 0.6 |
| TFED | 11.5 | 99.4 | 21.1 | | | 0.2 | 37.2 | 5.6 | | 175.1 |
| Industry | 11.4 | 43.2 | 6.6 | | | | 19.2 | 3.5 | | 83.9 |
| Transport | | 45.8 | 0.1 | | | | 0.3 | | | 46.3 |
| Residential | 0.1 | 3.4 | 11.4 | | | 0.1 | 5.2 | 1.9 | | 22.2 |
| Commercial | | 6.9 | 3.0 | | | 0.1 | 12.5 | 0.2 | | 22.7 |

| 2020 | | | | | | | | | | Mtoe |
|---------------------------------|-------------|--------------|-------------|------------|-------------|-------------|-------------|------------|-------|--------------|
| | Coal | Oil | Gas | Hydro | Nuclear | NRE | Electricity | Heat | Total | |
| Production | | | | 1.6 | 49.6 | 13.3 | | | | 64.6 |
| Net Imports | 53.8 | 125.0 | 60.2 | | | | | | | 238.9 |
| TPED | 53.8 | 125.0 | 60.2 | 1.6 | 49.6 | 13.3 | | | | 303.5 |
| Electricity and Heat Generation | - 39.2 | - 4.3 | - 30.2 | - 1.6 | - 49.6 | - 13.0 | 50.3 | 7.4 | | - 80.4 |
| Petroleum Refineries | | - 4.7 | - 0.3 | | | | | | | - 5.1 |
| Others | | - 0.1 | | | | | | | | - 0.1 |
| TFED | 14.5 | 115.8 | 29.6 | | | 0.3 | 50.3 | 7.4 | | 218.0 |
| Industry | 14.5 | 50.5 | 10.8 | | | | 26.3 | 4.8 | | 106.9 |
| Transport | | 55.5 | 0.3 | | | | 0.5 | | | 56.2 |
| Residential | | 3.2 | 14.1 | | | 0.2 | 5.9 | 2.3 | | 25.8 |
| Commercial | | 6.7 | 4.5 | | | 0.1 | 17.6 | 0.3 | | 29.1 |

| 2030 | | | | | | | | | | Mtoe |
|---------------------------------|-------------|--------------|-------------|------------|-------------|-------------|-------------|------------|-------|--------------|
| | Coal | Oil | Gas | Hydro | Nuclear | NRE | Electricity | Heat | Total | |
| Production | | | | 1.9 | 62.4 | 16.1 | | | | 80.3 |
| Net Imports | 62.8 | 135.6 | 72.9 | | | | | | | 271.3 |
| TPED | 62.8 | 135.6 | 72.9 | 1.9 | 62.4 | 16.1 | | | | 351.7 |
| Electricity and Heat Generation | - 45.8 | - 4.7 | - 35.7 | - 1.9 | - 62.4 | - 15.7 | 61.1 | 8.9 | | - 96.1 |
| Petroleum Refineries | | - 4.9 | - 0.3 | | | | | | | - 5.2 |
| Others | | - 0.1 | | | | | | | | - 0.1 |
| TFED | 16.9 | 125.9 | 36.9 | | | 0.4 | 61.1 | 8.9 | | 250.2 |
| Industry | 16.9 | 54.7 | 14.2 | | | | 32.6 | 5.9 | | 124.3 |
| Transport | | 61.8 | 0.4 | | | | 0.6 | | | 62.7 |
| Residential | | 3.0 | 16.4 | | | 0.3 | 6.3 | 2.7 | | 28.7 |
| Commercial | | 6.5 | 5.9 | | | 0.1 | 21.6 | 0.4 | | 34.4 |

KOREA

MACRO ASSUMPTIONS

| | 1980 | 2002 | 2010 | 2020 | 2030 | Growth Rate (% per annum) | | | | |
|---|-------|--------|--------|--------|--------|---------------------------|-------|-------|-------|-------|
| | | | | | | 80-02 | 02-10 | 10-20 | 20-30 | 02-30 |
| GDP (2000 PPP US\$ billion) | 149 | 662 | 982 | 1 393 | 1 786 | 7.0 | 5.0 | 3.6 | 2.5 | 3.6 |
| Population (million) | 38.5 | 47.8 | 49.7 | 50.7 | 50.3 | 1.0 | 0.5 | 0.2 | - 0.1 | 0.2 |
| GDP per capita (2000 PPP US\$) | 3 856 | 13 862 | 19 781 | 27 489 | 35 463 | 6.0 | 4.5 | 3.3 | 2.6 | 3.4 |
| GDP in Services (2000 PPP US\$ billion) | 70 | 329 | 447 | 630 | 813 | 7.3 | 3.9 | 3.5 | 2.6 | 3.3 |
| GDP in Industry (2000 PPP US\$ billion) | 39 | 242 | 389 | 575 | 760 | 8.6 | 6.1 | 4.0 | 2.8 | 4.2 |
| Urbanisation level (%) | 57 | 80 | 82 | 84 | 86 | 1.6 | 0.3 | 0.3 | 0.2 | 0.3 |

ENERGY PROJECTIONS

| | 1980 | 2002 | 2010 | 2020 | 2030 | Growth rate (% per annum) | | | | |
|--|-----------------|------------------|------------------|------------------|------------------|---------------------------|---------------|--------------|------------|--------------|
| | | | | | | 80-02 | 02-10 | 10-20 | 20-30 | 02-30 |
| Production | 9.3 | 31.9 | 43.1 | 64.6 | 80.3 | 5.8 | 3.8 | 4.1 | 2.2 | 3.3 |
| Coal | 8.2 (88%) | | | | | | | | | |
| Oil | | | | | | | | | | |
| Gas | | | | | | | | | | |
| Hydro | 0.2 (0%) | 1.2 (4%) | 1.7 (4%) | 1.6 (3%) | 1.9 (2%) | 9.1 | 4.7 | - 0.4 | 1.4 | 1.7 |
| NRE | | 5.1 (16%) | 9.4 (22%) | 13.3 (21%) | 16.1 (20%) | | 8.0 | 3.6 | 1.9 | 4.2 |
| Nuclear | 0.9 (10%) | 25.7 (81%) | 31.7 (73%) | 49.6 (77%) | 62.4 (78%) | 16.4 | 2.6 | 4.6 | 2.3 | 3.2 |
| Net Imports | 30.7 | 169.3 | 198.2 | 238.9 | 271.3 | 8.1 | 2.0 | 1.9 | 1.3 | 1.7 |
| Coal | 3.5 | 35.1 | 44.4 | 53.8 | 62.8 | 11.1 | 3.0 | 1.9 | 1.6 | 2.1 |
| Oil | 27.2 | 106.4 | 110.3 | 125.0 | 135.6 | 6.4 | 0.4 | 1.3 | 0.8 | 0.9 |
| Gas | | 27.8 | 43.5 | 60.2 | 72.9 | | 5.8 | 3.3 | 1.9 | 3.5 |
| Electricity | | | | | | | | | | |
| Total Primary Energy Demand | 41.4 | 199.7 | 241.3 | 303.5 | 351.7 | 7.4 | 2.4 | 2.3 | 1.5 | 2.0 |
| Coal | 13.5 (33%) | 34.5 (17%) | 44.4 (18%) | 53.8 (18%) | 62.8 (18%) | 4.4 | 3.2 | 1.9 | 1.6 | 2.2 |
| Oil | 26.8 (65%) | 105.8 (53%) | 110.3 (46%) | 125.0 (41%) | 135.6 (39%) | 6.4 | 0.5 | 1.3 | 0.8 | 0.9 |
| Gas | | 27.4 (14%) | 43.9 (18%) | 60.2 (20%) | 72.9 (21%) | | 6.1 | 3.2 | 1.9 | 3.6 |
| Hydro | 0.2 (0%) | 1.2 (1%) | 1.7 (1%) | 1.6 (1%) | 1.9 (1%) | 9.1 | 4.7 | - 0.4 | 1.4 | 1.7 |
| NRE | | 5.1 (3%) | 9.4 (4%) | 13.3 (4%) | 16.1 (5%) | | 8.0 | 3.6 | 1.9 | 4.2 |
| Nuclear | 0.9 (2%) | 25.7 (13%) | 31.7 (13%) | 49.6 (16%) | 62.4 (18%) | 16.4 | 2.6 | 4.6 | 2.3 | 3.2 |
| Input for Electricity and Heat Generation | - 8.4 | - 72.2 | - 103.2 | - 138.1 | - 166.1 | 10.3 | 4.6 | 3.0 | 1.9 | 3.0 |
| Coal | - 0.8 (10%) | - 20.1 (28%) | - 32.9 (32%) | - 39.2 (28%) | - 45.8 (28%) | 15.5 | 6.4 | 1.8 | 1.6 | 3.0 |
| Oil | - 6.4 (77%) | - 5.9 (8%) | - 5.3 (5%) | - 4.3 (3%) | - 4.7 (3%) | - 0.4 | - 1.3 | - 2.0 | 0.8 | - 0.8 |
| Gas | | - 14.6 (20%) | - 22.4 (22%) | - 30.2 (22%) | - 35.7 (21%) | | 5.5 | 3.0 | 1.7 | 3.2 |
| Hydro | - 0.2 (2%) | - 1.2 (2%) | - 1.7 (2%) | - 1.6 (1%) | - 1.9 (1%) | 9.1 | 4.7 | - 0.4 | 1.4 | 1.7 |
| NRE | | - 4.8 (7%) | - 9.2 (9%) | - 13.0 (9%) | - 15.7 (9%) | | 8.4 | 3.6 | 1.9 | 4.3 |
| Nuclear | - 0.9 (11%) | - 25.7 (36%) | - 31.7 (31%) | - 49.6 (36%) | - 62.4 (38%) | 16.4 | 2.6 | 4.6 | 2.3 | 3.2 |
| Other Transformation | - 1.4 | - 23.3 | - 5.9 | - 5.2 | - 5.4 | 13.7 | - 15.8 | - 1.3 | 0.4 | - 5.1 |
| Coal | - 1.0 (70%) | - 5.9 (25%) | | | | 8.5 | | | | |
| Oil | - 0.4 (30%) | - 17.0 (73%) | - 5.6 (95%) | - 4.8 (94%) | - 5.0 (94%) | 18.4 | - 13.0 | - 1.4 | 0.4 | - 4.3 |
| Gas | | - 0.3 (1%) | - 0.3 (5%) | - 0.3 (6%) | - 0.3 (6%) | | 1.4 | 0.8 | 0.3 | 0.8 |
| NRE | | - 0.1 (1%) | | | | | | | | |
| Electricity | | | | | | | | | | |
| Heat | | | | | | | | | | |

KOREA

| | Mtoe | | | | | Growth rate (% per annum) | | | | |
|----------------------------------|---------------|---------------|---------------|----------------|----------------|---------------------------|------------|------------|------------|------------|
| | 1980 | 2002 | 2010 | 2020 | 2030 | 80-02 | 02-10 | 10-20 | 20-30 | 02-30 |
| Total Final Energy Demand | 27.2 | 134.1 | 175.1 | 218.0 | 250.2 | 7.5 | 3.4 | 2.2 | 1.4 | 2.3 |
| Coal | 9.7 (36%) | 8.6 (6%) | 11.5 (7%) | 14.5 (7%) | 16.9 (7%) | -0.6 | 3.7 | 2.4 | 1.6 | 2.4 |
| Oil | 14.6 (54%) | 83.7 (62%) | 99.4 (57%) | 115.8 (53%) | 125.9 (50%) | 8.3 | 2.2 | 1.5 | 0.8 | 1.5 |
| Gas | | 13.1 (10%) | 21.1 (12%) | 29.6 (14%) | 36.9 (15%) | | 6.2 | 3.4 | 2.2 | 3.8 |
| NRE | | 0.1 (0%) | 0.2 (0%) | 0.3 (0%) | 0.4 (0%) | | 6.0 | 3.5 | 2.6 | 3.9 |
| Electricity | 2.8 (10%) | 25.3 (19%) | 37.2 (21%) | 50.3 (23%) | 61.1 (24%) | 10.5 | 4.9 | 3.1 | 2.0 | 3.2 |
| Heat | | 3.2 (2%) | 5.6 (3%) | 7.4 (3%) | 8.9 (4%) | | 7.0 | 2.9 | 1.8 | 3.7 |
| Industry | 13.3 | 66.2 | 83.9 | 106.9 | 124.3 | 7.6 | 3.0 | 2.5 | 1.5 | 2.3 |
| Coal | 1.3 (10%) | 8.1 (12%) | 11.4 (14%) | 14.5 (14%) | 16.9 (14%) | 8.5 | 4.4 | 2.5 | 1.6 | 2.7 |
| Oil | 9.9 (75%) | 39.2 (59%) | 43.2 (52%) | 50.5 (47%) | 54.7 (44%) | 6.4 | 1.2 | 1.6 | 0.8 | 1.2 |
| Gas | | 3.4 (5%) | 6.6 (8%) | 10.8 (10%) | 14.2 (11%) | | 8.6 | 5.0 | 2.8 | 5.2 |
| NRE | | | | | | | 14.7 | 5.2 | 7.2 | 8.6 |
| Electricity | 2.0 (15%) | 13.5 (20%) | 19.2 (23%) | 26.3 (25%) | 32.6 (26%) | 9.1 | 4.5 | 3.2 | 2.2 | 3.2 |
| Heat | | 2.0 (3%) | 3.5 (4%) | 4.8 (5%) | 5.9 (5%) | | 7.5 | 3.2 | 2.0 | 4.0 |
| Transport | 2.1 | 33.1 | 46.3 | 56.2 | 62.7 | 13.3 | 4.3 | 2.0 | 1.1 | 2.3 |
| Coal | | | | | | | | | | |
| Oil | 2.1 (98%) | 32.8 (99%) | 45.8 (99%) | 55.5 (99%) | 61.8 (98%) | 13.3 | 4.3 | 1.9 | 1.1 | 2.3 |
| Gas | | 0.1 (0%) | 0.1 (0%) | 0.3 (0%) | 0.4 (1%) | | 9.1 | 5.7 | 5.0 | 6.4 |
| NRE | | | | | | | | | | |
| Electricity | | 0.2 (1%) | 0.3 (1%) | 0.5 (1%) | 0.6 (1%) | 8.7 | 5.5 | 3.7 | 2.2 | 3.7 |
| Residential | 9.2 | 17.6 | 22.2 | 25.8 | 28.7 | 3.0 | 2.9 | 1.5 | 1.1 | 1.8 |
| Coal | 8.3 (90%) | 0.6 (3%) | 0.1 (1%) | 0.02 | 0.002 | -11.6 | -17.0 | -18.1 | -19.3 | -18.2 |
| Oil | 0.5 (5%) | 4.4 (25%) | 3.4 (15%) | 3.2 (12%) | 3.0 (11%) | 10.6 | -3.0 | -0.7 | -0.5 | -1.3 |
| Gas | | 7.9 (45%) | 11.4 (51%) | 14.1 (55%) | 16.4 (57%) | | 4.7 | 2.2 | 1.5 | 2.7 |
| NRE | | 0.1 (0%) | 0.1 (1%) | 0.2 (1%) | 0.3 (1%) | | 8.0 | 3.8 | 2.7 | 4.6 |
| Electricity | 0.5 (5%) | 3.6 (21%) | 5.2 (24%) | 5.9 (23%) | 6.3 (22%) | 9.9 | 4.7 | 1.3 | 0.6 | 2.0 |
| Heat | | 1.1 (6%) | 1.9 (8%) | 2.3 (9%) | 2.7 (9%) | | 6.5 | 2.2 | 1.5 | 3.1 |
| Commercial | 2.6 | 17.2 | 22.7 | 29.1 | 34.4 | 9.0 | 3.6 | 2.5 | 1.7 | 2.5 |
| Coal | 0.1 (4%) | | | | | | | | | |
| Oil | 2.1 (82%) | 7.3 (43%) | 6.9 (31%) | 6.7 (23%) | 6.5 (19%) | 5.8 | -0.7 | -0.4 | -0.4 | -0.5 |
| Gas | | 1.7 (10%) | 3.0 (13%) | 4.5 (15%) | 5.9 (17%) | | 7.6 | 4.0 | 2.8 | 4.6 |
| NRE | | 0.1 (0%) | 0.1 (0%) | 0.1 (0%) | 0.1 (0%) | | 3.0 | 2.9 | 2.3 | 2.7 |
| Electricity | 0.4 (14%) | 7.9 (46%) | 12.5 (55%) | 17.6 (60%) | 21.6 (63%) | 15.2 | 5.8 | 3.5 | 2.1 | 3.6 |
| Heat | | 0.1 (1%) | 0.2 (1%) | 0.3 (1%) | 0.4 (1%) | | 3.9 | 3.5 | 2.6 | 3.3 |

ENERGY SECURITY

| | 1980 | 2002 | 2010 | 2020 | 2030 |
|--|------|------|------|------|------|
| Diversity of Primary Energy Demand (Rated between 1 and 100) | 50 | 74 | 83 | 87 | 89 |
| Net Energy Import Ratio (%) | 77 | 84 | 82 | 79 | 77 |
| Net Oil Import Dependency (%) | 100 | 100 | 100 | 100 | 100 |

KOREA
ELECTRICITY GENERATION

| | 1980 | 2002 | 2010 | 2020 | 2030 | Growth rate (% per annum) | | | | |
|---|-------------|--------------|--------------|--------------|--------------|---------------------------|------------|------------|------------|------------|
| | | | | | | 80-02 | 02-10 | 10-20 | 20-30 | 02-30 |
| Total Electricity Generation (TWh) | 37 | 330 | 456 | 612 | 733 | 10.4 | 4.1 | 3.0 | 1.8 | 2.9 |
| Coal | 2 (7%) | 134 (41%) | 201 (44%) | 243 (40%) | 284 (39%) | 19.9 | 5.2 | 1.9 | 1.6 | 2.7 |
| Oil | 29 (79%) | 32 (10%) | 20 (4%) | 10 (2%) | 10 (1%) | 0.3 | -5.8 | -6.2 | -0.3 | -4.0 |
| Gas | | 42 (13%) | 63 (14%) | 91 (15%) | 114 (16%) | | 5.3 | 3.8 | 2.2 | 3.6 |
| Hydro | 2 (5%) | 3 (1%) | 18 (4%) | 15 (2%) | 13 (2%) | 2.2 | 24.0 | -1.9 | -1.4 | 5.1 |
| NRE | | | 11 (3%) | 25 (4%) | 30 (4%) | | | 8.1 | 1.7 | |
| Nuclear | 3 (9%) | 119 (36%) | 144 (31%) | 227 (37%) | 283 (39%) | 17.4 | 2.4 | 4.7 | 2.2 | 3.1 |
| Total Installed Generation Capacity (GW) | 9 | 55 | 92 | 118 | 153 | 8.3 | 6.6 | 2.5 | 2.6 | 3.7 |
| Thermal | 8 (81%) | 35 (64%) | 60 (65%) | 71 (61%) | 92 (60%) | 7.2 | 6.9 | 1.7 | 2.6 | 3.5 |
| Coal | 2 (21%) | 17 (31%) | 32 (35%) | 39 (33%) | 49 (32%) | 10.2 | 8.3 | 1.9 | 2.4 | 3.9 |
| Oil | 6 (59%) | 5 (8%) | 5 (5%) | 4 (3%) | 5 (3%) | -0.8 | 0.7 | -3.1 | 3.0 | 0.1 |
| Gas | | 14 (25%) | 23 (25%) | 29 (25%) | 38 (25%) | | 6.8 | 2.3 | 2.7 | 3.7 |
| Hydro | 1 (13%) | 4 (7%) | 6 (7%) | 7 (6%) | 10 (7%) | 5.5 | 6.2 | 1.3 | 3.4 | 3.4 |
| NRE | | | 5 (5%) | 10 (8%) | 11 (7%) | | | 7.8 | 1.3 | |
| Nuclear | 1 (6%) | 16 (29%) | 21 (23%) | 29 (25%) | 40 (26%) | 16.0 | 3.5 | 3.6 | 3.0 | 3.4 |

ENERGY INTENSITY & CO₂ EMISSIONS

| | 1980 | 2002 | 2010 | 2020 | 2030 | Growth Rates (% per annum) | | | | |
|---|--------------|--------------|--------------|--------------|--------------|----------------------------|-------------|-------------|-------------|-------------|
| | | | | | | 80-02 | 02-10 | 10-20 | 20-30 | 02-30 |
| Energy Intensity (toe per US\$ million GDP) | 279 | 301 | 246 | 218 | 197 | 0.4 | -2.5 | -1.2 | -1.0 | -1.5 |
| Industry (toe per US\$ million GDP in Industry) | 336 | 273 | 215 | 186 | 164 | -0.9 | -2.9 | -1.5 | -1.3 | -1.8 |
| Commercial (toe per US\$ million GDP in Services) | 36 | 52 | 51 | 46 | 42 | 1.6 | -0.3 | -0.9 | -0.9 | -0.7 |
| Energy Intensity (kgoe per capita) | 1 074 | 4 179 | 4 861 | 5 990 | 6 985 | 6.4 | 1.9 | 2.1 | 1.5 | 1.9 |
| Industry | 344 | 1 385 | 1 690 | 2 109 | 2 469 | 6.5 | 2.5 | 2.2 | 1.6 | 2.1 |
| Transport | 55 | 692 | 932 | 1 109 | 1 246 | 12.2 | 3.8 | 1.8 | 1.2 | 2.1 |
| Residential | 240 | 369 | 446 | 510 | 570 | 2.0 | 2.4 | 1.3 | 1.1 | 1.6 |
| Commercial | 66 | 359 | 457 | 575 | 684 | 8.0 | 3.1 | 2.3 | 1.8 | 2.3 |
| CO₂ Emissions (million tonnes) | 111 | 480 | 608 | 715 | 811 | 6.9 | 3.0 | 1.6 | 1.3 | 1.9 |
| Electricity Generation | 24 | 152 | 202 | 228 | 268 | 8.8 | 3.6 | 1.2 | 1.6 | 2.1 |
| Transformation other than Electricity Generation | 9 | 12 | 12 | 12 | 11 | 1.0 | -0.1 | -0.2 | -0.2 | -0.2 |
| Industry | 31 | 158 | 191 | 235 | 265 | 7.7 | 2.4 | 2.1 | 1.2 | 1.9 |
| Transport | 6 | 98 | 138 | 167 | 186 | 13.4 | 4.3 | 1.9 | 1.1 | 2.3 |
| Residential | 34 | 34 | 37 | 43 | 48 | | 1.3 | 1.4 | 1.1 | 1.2 |
| Commercial | 7 | 26 | 28 | 31 | 34 | 6.4 | 0.9 | 0.9 | 0.8 | 0.9 |
| CO₂ Emissions Intensity | | | | | | | | | | |
| CO ₂ emissions per GDP (tonnes per US\$ million) | 746 | 725 | 619 | 513 | 454 | -0.1 | -2.0 | -1.9 | -1.2 | -1.7 |
| CO ₂ emissions per capita (tonnes per capita) | 2.9 | 10.1 | 12.2 | 14.1 | 16.1 | 5.9 | 2.5 | 1.4 | 1.3 | 1.7 |

ENERGY INVESTMENT REQUIREMENTS

| (Cumulative from 2003 -) | 2010 | 2020 | 2030 |
|---------------------------------------|--------------------|----------------------|----------------------|
| Total (2000 US\$ billion) | 76.2 - 91.2 | 152.8 - 185.6 | 227.3 - 276.2 |
| Coal Production & Transportation | | | |
| Oil & Gas Production & Processing | 4.76 - 6.81 | 10.68 - 15.35 | 14.97 - 21.54 |
| Oil & Gas International Trade | 9.80 - 10.31 | 20.35 - 21.93 | 26.69 - 29.26 |
| Oil & Gas Domestic Pipeline | 1.44 - 2.06 | 2.90 - 4.14 | 4.03 - 5.76 |
| Electricity Generation & Transmission | 60.24 - 72.05 | 118.85 - 144.15 | 181.63 - 219.68 |