

Gross Domestic Product

Constant US\$ (bln) adjusted for differences in purchasing power*

The New Game

								% average annual increase					
	1990	1995	2000	2005	2010	2015	2020	1991-95	1996-00	2001-05	2006-10	2011-15	2016-20
Canada	605	652	737	829	947	1053	1225	1.5	2.5	2.4	2.7	2.1	3.1
United States	6618	7274	8269	9290	10622	11805	13738	1.9	2.6	2.4	2.7	2.1	3.1
India	1139	1455	1907	2527	3318	4250	5730	5.0	5.6	5.8	5.6	5.1	6.2
China	2100	3698	5182	6799	10270	14068	18735	12.0	7.0	5.6	8.6	6.5	5.9
Japan	2603	2795	2977	3341	3656	3977	4426	1.4	1.3	2.3	1.8	1.7	2.2
Australasia	354	403	468	515	607	678	792	2.6	3.0	2.0	3.3	2.2	3.2
CIS	1885	1124	1197	1282	1559	1914	2363	-9.8	1.3	1.4	4.0	4.2	4.3
Western Europe	6955	7473	8403	9274	10406	11556	13165	1.4	2.4	2.0	2.3	2.1	2.6
Eastern Europe	772	712	863	1081	1353	1764	2306	-1.6	3.9	4.6	4.6	5.5	5.5
Mid.East/N Africa	1705	2001	2410	2946	3657	4539	5716	3.3	3.8	4.1	4.4	4.4	4.7
Latin America	2603	3081	3708	4755	6213	8043	10422	3.4	3.8	5.1	5.5	5.3	5.3
East Asia	2200	3117	3564	4579	5750	7186	8950	7.2	2.7	5.1	4.7	4.6	4.5
Rest of World	1129	1326	1677	2079	2507	3115	3877	3.3	4.8	4.4	3.8	4.4	4.5
World Total	30667	35109	41360	49296	60865	73949	91445	2.7	3.3	3.6	4.3	4.0	4.3

People Power

								% average annual increase					
	1990	1995	2000	2005	2010	2015	2020	1991-95	1996-00	2001-05	2006-10	2011-15	2016-20
Canada	605	652	737	762	911	988	1128	1.5	2.5	0.7	3.6	1.6	2.7
United States	6618	7274	8269	8556	10231	11118	12714	1.9	2.6	0.7	3.6	1.7	2.7
India	1139	1455	1907	2319	2985	3954	6168	5.0	5.6	4.0	5.2	5.8	9.3
China	2100	3698	5083	5695	7617	10127	13290	12.0	6.6	2.3	6.0	5.9	5.6
Japan	2603	2795	2962	3004	3596	4221	4729	1.4	1.2	0.3	3.7	3.3	2.3
Australasia	354	403	468	496	616	750	920	2.6	3.0	1.2	4.4	4.0	4.2
CIS	1885	1124	1180	1233	1379	1943	2673	-9.8	1.0	0.9	2.3	7.1	6.6
Western Europe	6955	7473	8403	8545	9043	10139	12182	1.4	2.4	0.3	1.1	2.3	3.7
Eastern Europe	772	712	863	971	1375	1805	2712	-1.6	3.9	2.4	7.2	5.6	8.5
Mid.East/N Africa	1705	2001	2398	2621	2994	3522	3945	3.3	3.7	1.8	2.7	3.3	2.3
Latin America	2603	3081	3708	4212	6119	7844	10345	3.4	3.8	2.6	7.8	5.1	5.7
East Asia	2200	3117	3634	4171	5548	7118	9055	7.2	3.1	2.8	5.9	5.1	4.9
Rest of World	1129	1326	1672	1893	2362	2917	3873	3.3	4.7	2.5	4.5	4.3	5.8
World Total	30667	35109	41283	44478	54775	66447	83734	2.7	3.3	1.5	4.3	3.9	4.7

*Base year 1997, as per IMF World Economic Outlook, spring 1998.

Energy Demand

The New Game

	mln boe/d							% average annual increase					
	1990	1995	2000	2005	2010	2015	2020	1991-95	1996-00	2001-05	2006-10	2011-15	2016-20
Total Energy													
OECD	88.9	96.6	102.3	102.7	99.9	96.2	92.8	1.7	1.2	0.1	-0.5	-0.8	-0.7
CIS and E Europe	35.8	25.8	28.2	29.8	31.8	33.8	34.3	-6.3	1.8	1.1	1.3	1.2	0.3
Others	46.0	57.4	72.0	88.9	110.2	134.2	160.2	4.5	4.6	4.3	4.4	4.0	3.6
Total	170.7	179.8	202.5	221.4	242.0	264.1	287.3	1.0	2.4	1.8	1.8	1.8	1.7
Oil (and Substitutes)													
OECD	38.4	39.9	42.5	41.2	37.1	31.7	26.6	0.8	1.3	-0.6	-2.1	-3.1	-3.4
CIS and E Europe	10.2	6.0	6.8	7.6	8.6	9.2	8.9	-10.1	2.7	2.1	2.5	1.4	-0.6
Others	18.5	24.1	27.3	36.1	46.8	52.7	56.8	5.5	2.5	5.8	5.4	2.4	1.5
Total	67.1	70.1	76.6	84.9	92.5	93.6	92.3	0.9	1.8	2.1	1.7	0.2	-0.3
Natural Gas													
OECD	16.8	20.1	21.2	24.6	27.5	31.3	35.6	3.7	1.1	3.0	2.3	2.6	2.6
CIS and E Europe	13.3	10.4	11.3	12.3	13.4	16.0	17.9	-4.8	1.7	1.8	1.7	3.6	2.3
Others	5.4	7.7	12.1	14.5	17.9	33.8	49.9	7.4	9.5	3.7	4.3	13.5	8.1
Total	35.5	38.2	44.6	51.4	58.8	81.1	103.4	1.5	3.2	2.9	2.7	6.6	5.0
Coal													
OECD	18.9	18.9	19.8	16.7	12.4	8.1	2.2	0.0	0.9	-3.3	-5.9	-8.2	-22.8
CIS and E Europe	9.5	6.5	6.9	6.8	6.7	5.2	3.9	-7.4	1.2	-0.1	-0.3	-5.0	-5.4
Others	16.7	19.7	25.0	28.1	31.3	28.2	23.6	3.4	4.9	2.3	2.2	-2.1	-3.5
Total	45.1	45.0	51.7	51.6	50.4	41.4	29.7	0.0	2.8	0.0	-0.5	-3.8	-6.4

Kyoto works?

Energy Demand

The New Game

	mln boe/d							% average annual increase					
	1990	1995	2000	2005	2010	2015	2020	1991-95	1996-00	2001-05	2006-10	2011-15	2016-20
Nuclear/Hydroelectricity													
OECD	14.5	16.8	18.0	18.2	18.7	18.9	19.4	3.0	1.3	0.3	0.4	0.3	0.5
CIS and E Europe	2.8	2.6	2.9	2.8	2.8	2.9	2.8	-1.5	1.8	-0.7	0.3	0.6	-0.6
Others	4.5	5.8	7.4	9.8	12.8	16.6	23.0	5.1	5.1	5.6	5.7	5.3	6.8
Total	21.9	25.3	28.3	30.8	34.3	38.5	45.3	2.9	2.3	1.7	2.2	2.3	3.3
Renewables													
OECD	0.9	0.8	0.8	1.9	4.3	6.2	9.0	-2.8	1.7	17.8	17.9	7.6	7.8
CIS and E Europe	0.2	0.3	0.4	0.3	0.3	0.5	0.7	14.8	1.8	-1.7	-0.8	9.1	7.9
Others	0.1	0.1	0.2	0.5	1.3	2.9	6.9	21.0	5.5	21.6	21.6	17.2	18.9
Total	1.1	1.2	1.4	2.7	5.9	9.6	16.6	2.3	2.2	14.5	17.0	10.1	11.6
Electricity													
OECD	30.9	38.0	40.6	41.3	42.4	43.0	44.1	4.2	1.3	0.4	0.5	0.3	0.5
CIS and E Europe	7.8	7.8	8.5	9.3	10.6	12.4	13.6	0.0	1.8	1.8	2.7	3.1	1.9
Others	16.7	22.5	28.9	35.6	43.9	53.1	69.1	6.2	5.1	4.2	4.3	3.9	5.4
Total	55.4	68.3	78.0	86.2	96.9	108.5	126.7	4.3	2.7	2.0	2.4	2.3	3.2

Energy Demand

People Power

	mln boe/d						% average annual increase						
	1990	1995	2000	2005	2010	2015	2020	1991-95	1996-00	2001-05	2006-10	2011-15	2016-20
Total Energy													
OECD	88.9	96.6	102.3	105.1	109.4	109.3	109.1	1.7	1.2	0.5	0.8	0.0	0.0
CIS and E Europe	35.8	25.8	28.1	29.1	32.5	35.8	36.2	-6.3	1.7	0.8	2.2	2.0	0.2
Others	46.0	57.4	71.6	80.2	105.8	136.0	179.6	4.5	4.5	2.3	5.7	5.1	5.7
Total	170.7	179.8	201.9	214.5	247.7	281.1	324.9	1.0	2.3	1.2	2.9	2.6	2.9
Oil (and Substitutes)													
OECD	38.4	39.9	42.5	43.1	44.1	40.2	35.6	0.8	1.3	0.3	0.5	-1.9	-2.4
CIS and E Europe	10.2	6.0	6.8	7.2	8.4	9.5	8.4	-10.1	2.6	1.1	3.1	2.5	-2.4
Others	18.5	24.1	27.1	31.0	42.9	55.6	67.6	5.5	2.3	2.8	6.7	5.4	4.0
Total	67.1	70.1	76.4	81.3	95.3	105.3	111.6	0.9	1.7	1.3	3.2	2.0	1.2
Natural Gas													
OECD	16.8	20.1	21.2	22.8	24.2	29.7	35.6	3.7	1.1	1.4	1.3	4.1	3.7
CIS and E Europe	13.3	10.4	11.2	11.5	12.4	15.2	17.0	-4.8	1.6	0.5	1.6	4.1	2.3
Others	5.4	7.7	12.1	13.1	16.9	25.5	37.9	7.4	9.4	1.7	5.2	8.5	8.3
Total	35.5	38.2	44.5	47.4	53.6	70.3	90.5	1.5	3.1	1.3	2.5	5.6	5.2
Coal													
OECD	18.9	18.9	19.8	20.8	21.9	19.8	17.1	0.0	0.9	1.0	1.0	-2.0	-2.9
CIS and E Europe	9.5	6.5	6.8	7.5	8.5	7.5	6.9	-7.4	1.1	1.7	2.6	-2.4	-1.8
Others	16.7	19.7	24.9	27.2	33.9	38.5	47.5	3.4	4.8	1.8	4.5	2.6	4.3
Total	45.1	45.0	51.5	55.4	64.3	65.9	71.5	0.0	2.7	1.5	3.0	0.5	1.6

Energy Demand

People Power

	mln boe/d						% average annual increase						
	1990	1995	2000	2005	2010	2015	2020	1991-95	1996-00	2001-05	2006-10	2011-15	2016-20
Nuclear/Hydroelectricity (mln boe/d)													
OECD	14.5	16.8	18.0	17.2	17.0	16.6	16.5	3.0	1.3	-0.9	-0.2	-0.4	-0.2
CIS and E Europe	2.8	2.6	2.9	2.6	2.8	3.0	3.0	-1.5	1.7	-1.7	1.2	1.4	0.3
Others	4.5	5.8	7.4	8.4	10.9	13.7	20.3	5.1	5.0	2.7	5.2	4.7	8.1
Total	21.9	25.3	28.2	28.2	30.7	33.3	39.7	2.9	2.2	0.0	1.7	1.7	3.6
Renewables													
OECD	0.9	0.8	0.8	1.3	2.2	3.1	4.3	-2.8	1.7	9.8	10.6	6.9	7.2
CIS and E Europe	0.2	0.3	0.4	0.4	0.4	0.6	0.9	14.8	1.7	0.2	3.2	8.2	7.1
Others	0.1	0.1	0.2	0.5	1.3	2.6	6.3	21.0	5.4	19.8	22.7	15.5	19.3
Total	1.1	1.2	1.4	2.1	3.9	6.3	11.5	2.3	2.1	9.3	12.6	10.2	12.8
Electricity													
OECD	30.9	38.0	40.6	41.3	43.5	45.2	47.5	4.2	1.3	0.3	1.1	0.8	1.0
CIS and E Europe	7.8	7.8	8.4	8.8	10.5	12.8	14.7	0.0	1.7	0.8	3.7	3.9	2.8
Others	16.7	22.5	28.7	32.9	42.4	53.4	78.9	6.2	5.0	2.7	5.2	4.7	8.1
Total	55.4	68.3	77.7	82.9	96.4	111.4	141.0	4.3	2.6	1.3	3.1	2.9	4.8

The New Game

Crude Oil Price (Arab Light fob) (1997 \$/bbl)

1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
17	21	19	14	18	18	22	17	9	10	10	10	10
2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
10	10	10	10	10	10	10	10	10	9	9	8	8

Energy Supply

	1990	1995	2000	2005	2010	2015	2020
Oil (and Substitutes) Production (million boe/d)							
Conventional Oil	59.8	61.5	66.7	73.3	79.3	76.6	71.5
NGL	5.4	6.5	7.6	9.2	10.5	14.3	18.1
Heavy Oil	0.6	0.7	0.8	0.8	0.8	0.8	0.8
Processing Gains	1.3	1.4	1.5	1.6	1.9	1.9	1.9
Total	67.1	70.1	76.6	84.9	92.5	93.6	92.3
Conventional Oil Production (million b/d)							
Russia and Caspian Region	11.6	7.0	7.2	7.7	7.0	6.9	6.4
Other non-OPEC	25.3	29.8	33.2	29.5	25.0	24.0	23.0
Saudi Arabia	6.4	7.8	7.3	11.9	16.5	15.2	13.2
Other ME OPEC	9.2	9.1	10.0	13.7	19.8	19.5	17.9
Other OPEC	7.3	7.9	9.0	10.5	11.0	11.0	11.0
Total	59.8	61.5	66.7	73.3	79.3	76.6	71.5
Gas Production (mboe/d)	36.3	38.8	44.6	51.4	58.8	81.1	103.4
Coal Production (mboe/d)	45.3	45.3	51.9	51.9	50.6	41.6	29.9

People Power

Crude Oil Price (Arab Light fob) (1997 \$/bbl)

1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
17	21	19	14	14	15	12	25	20	14	12	16	18
2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
20	20	20	14	11	14	18	25	30	25	20	18	16

Energy Supply

	1990	1995	2000	2005	2010	2015	2020
Oil (and Substitutes) Production (million boe/d)							
Conventional Oil	59.8	61.5	66.6	70.4	81.4	86.9	87.6
NGL	5.4	6.5	7.6	8.6	9.6	12.5	15.9
Heavy Oil	0.6	0.7	0.8	0.8	2.5	4.0	6.0
Processing Gains	1.3	1.4	1.5	1.6	1.9	2.0	2.1
Total	67.1	70.1	76.5	81.3	95.4	105.3	111.6
Conventional Oil Production (million b/d)							
Russia and Caspian Region	11.6	7.0	6.9	7.8	10.0	10.0	10.0
Other non-OPEC	25.3	29.8	32.0	33.5	35.0	31.5	31.0
Saudi Arabia	6.4	7.8	7.8	8.3	9.7	13.4	13.5
Other ME OPEC	9.2	9.1	10.5	11.2	14.5	19.1	20.3
Other OPEC	7.3	7.9	9.4	9.6	12.2	13.0	13.0
Total	59.8	61.5	66.6	70.4	81.4	87.0	87.8
Gas Production (mboe/d)	36.3	38.8	44.5	47.4	53.6	70.3	90.5
Coal Production (mboe/d)	45.3	45.3	51.7	55.7	64.6	66.2	71.8

