

Table 6.1 Water and sanitation

	Access, supply side	Access, demand side						Quality of supply	Financing			
		Population with sustainable access to an improved water source			Population with sustainable access to improved sanitation				Average duration of insufficient water supply 2009–10 ^a	Committed nominal investment in water projects with private participation (\$ millions) 2000–09 ^a	ODA gross disbursements for water supply and sanitation sector (\$ millions)	
		(% of total population)	(% of urban population)	(% of rural population)	(% of total population)	(% of urban population)	(% of rural population)				2008	2009
		2007	2008	2008	2008	2008	2008				2008	2009
SUB-SAHARAN AFRICA	4,850	60	83	47	31	44	24	..	..	1,668.2	1,789.9
Angola	8,431	50	60	38	57	86	18	9.9	..	22.3	13.9	
Benin	1,227	75	84	69	12	24	4	19.0	..	63.5	55.0	
Botswana	1,268	95	99	90	60	74	39	3.2	..	2.2	0.0	
Burkina Faso	849	76	95	72	11	33	6	4.6	..	60.5	70.7	
Burundi	1,284	72	83	71	46	49	46	..	..	15.7	19.2
Cameroon	14,630	74	92	51	47	56	35	23.5	0.0	18.5	8.7	
Cape Verde	610	84	85	82	54	65	38	9.8	..	6.4	20.4	
Central African Republic	33,119	67	92	51	34	43	28	..	..	1.9	6.7
Chad	1,412	50	67	44	9	23	4	2.7	..	26.0	28.9	
Comoros	1,910	95	91	97	36	50	30	..	..	1.3	1.4
Congo, Dem. Rep.	14,395	46	80	28	23	23	23	13.6	..	62.0	73.7	
Congo, Rep.	62,516	71	95	34	30	31	29	45.3	0.0	1.8	0.4	
Côte d'Ivoire	3,819	80	93	68	23	36	11	27.7	0.0	7.9	30.6	
Djibouti	360	92	98	52	56	63	10	..	..	3.2	7.1
Equatorial Guinea	40,485	..	..	..	..	..	..	..	..	0.0	0.0
Eritrea	586	61	74	57	14	52	4	..	..	8.2	7.4
Ethiopia	1,551	38	98	26	12	29	8	..	..	107.1	142.6
Gabon	115,340	87	95	41	33	33	30	1.1	..	18.6	3.2	
Gambia, The	1,857	92	96	86	67	68	65	..	..	9.1	5.0
Ghana	1,325	82	90	74	13	18	7	..	0.0	124.4	56.3	
Guinea	23,505	71	89	61	19	34	11	..	..	14.7	11.2
Guinea-Bissau	10,383	61	83	51	21	49	9	..	..	3.0	2.6
Kenya	548	59	83	52	31	27	32	..	..	101.3	98.2
Lesotho	2,574	85	97	81	29	40	25	6.1	..	18.8	23.1	
Liberia	55,138	68	79	51	17	25	4	2.9	..	7.1	13.1	
Madagascar	18,114	41	71	29	11	15	10	8.0	..	17.4	12.8	
Malawi	1,118	80	95	77	56	51	57	4.7	..	13.9	16.0	
Mali	4,835	56	81	44	36	45	32	12.1	..	47.1	78.0	
Mauritania	127	49	52	47	26	50	9	..	..	21.9	23.6
Mauritius	2,182	99	100	99	91	93	90	6.0	0.0	9.5	10.8	
Mozambique	4,586	47	77	29	17	38	4	..	..	81.6	95.5
Namibia	2,949	92	99	88	33	60	17	..	0.0	11.8	12.0	
Niger	248	48	96	39	9	34	4	..	3.4	38.1	43.7	
Nigeria	1,496	58	75	42	32	36	28	..	..	108.7	105.5
Rwanda	1,005	65	77	62	54	50	55	..	..	37.7	28.2
São Tomé and Príncipe	13,829	89	89	88	26	30	19	..	..	0.9	1.0
Senegal	2,169	69	92	52	51	69	38	..	0.0	76.2	58.3	
Seychelles	..	..	100	..	..	97	..	..	..	0.2	0.6
Sierra Leone	29,518	49	86	26	13	24	6	0.0	..	13.3	10.0	
Somalia	687	30	67	9	23	52	6	..	..	1.9	5.1
South Africa	928	91	99	78	77	84	65	..	0.0	52.7	60.9	
Sudan	742	57	64	52	34	55	18	..	120.7	21.8	55.2	
Swaziland	2,293	69	92	61	55	61	53	..	..	1.1	0.3
Tanzania	2,035	54	80	45	24	32	21	..	8.5	148.9	173.2	
Togo	1,825	60	87	41	12	24	3	..	..	3.0	5.8
Uganda	1,273	67	91	64	48	38	49	..	0.0	64.2	86.4	
Zambia	6,513	60	87	46	49	59	43	..	0.0	39.5	50.5	
Zimbabwe	985	82	99	72	44	56	37	..	..	12.1	7.6
NORTH AFRICA	290	92	95	87	89	94	83	..	..	464.0	542.1
Algeria	332	83	85	79	95	98	88	..	468.0	4.7	9.0	
Egypt, Arab Rep.	23	99	100	98	94	97	92	..	..	56.7	106.0
Libya	97	..	..	..	97	97	96	..	..	0.0	0.0
Morocco	929	81	98	60	69	83	52	..	..	301.0	319.4
Tunisia	410	94	99	84	85	96	64	..	..	98.6	100.4

a. Data are for the most recent year available during the period specified.

Table 6.2 Transportation

	Access, supply side			Access, demand side	
	Road network (km) 2000–08 ^a	Rail lines (km) 2009	Road density Ratio to total land (road km/100 sq km of land area) 2000–08 ^a	Vehicle fleet (per 1,000 people)	
				Commercial vehicles 2000–08 ^a	Passenger vehicles 2000–08 ^a
SUB-SAHARAN AFRICA					
Angola	51,429	..	4.0	40.0	8.0
Benin	19,000	..	17.0	21.0	17.0
Botswana	25,798	888	4.0	113.0	56.0
Burkina Faso	92,495	622	34.0	11.0	7.0
Burundi	12,322	..	44.0	6.0	2.0
Cameroon	51,346	977	11.0	..	11.0
Cape Verde	1,350	..	33.0	94.0	67.0
Central African Republic	24,307	..	4.0	0.3	0.3
Chad	40,000	..	3.0	6.0	..
Comoros	880	..	39.0	33.0	31.0
Congo, Dem. Rep.	153,497	3,641	7.0	5.0	..
Congo, Rep.	17,000	..	5.0	26.0	15.0
Côte d'Ivoire	81,996	639	25.0	20.0	16.0
Djibouti	3,065	..	14.0	..	..
Equatorial Guinea	2,880	..	10.0	..	..
Eritrea	4,010	..	3.0	11.0	6.0
Ethiopia	44,359	..	4.0	3.0	1.0
Gabon	9,170	810	3.0	..	..
Gambia, The	3,742	..	33.0	7.0	5.0
Ghana	57,614	..	24.0	33.0	21.0
Guinea	44,348	..	18.0	..	..
Guinea-Bissau	3,455	..	12.0	33.0	27.0
Kenya	63,265	..	11.0	21.0	15.0
Lesotho	5,940	..	20.0	..	..
Liberia	10,600	..	10.0	3.0	2.0
Madagascar	49,827	..	8.0	27.0	8.0
Malawi	15,451	..	13.0	9.0	4.0
Mali	18,912	..	2.0	9.0	7.0
Mauritania	11,066	728	1.0	..	..
Mauritius	2,028	..	99.0	159.0	123.0
Mozambique	30,331	3,116	4.0	13.0	9.0
Namibia	66,467	..	0.0	109.0	52.0
Niger	18,948	..	1.0	5.0	4.0
Nigeria	193,200	..	21.0	31.0	31.0
Rwanda	14,008	..	53.0	4.0	2.0
São Tomé and Príncipe	320	..	33.0	2.0	2.0
Senegal	14,805	..	8.0	23.0	17.0
Seychelles	508	..	110.0	173.0	103.0
Sierra Leone	11,300	..	..	5.0	3.0
Somalia	22,100	..	3.0	..	..
South Africa	362,099	22,051	30.0	159.0	108.0
Sudan	11,900	4,508	1.0	28.0	20.0
Swaziland	3,594	300	21.0	89.0	46.0
Tanzania	87,524	..	9.0	73.0	4.0
Togo	11,652	..	21.0	2.0	2.0
Uganda	70,746	..	29.0	7.0	3.0
Zambia	66,781	..	12.0	18.0	11.0
Zimbabwe	97,267	..	25.0	106.0	91.0
NORTH AFRICA		14,019			
Algeria	111,261	4,723	5.0	112.0	72.0
Egypt, Arab Rep.	104,918	5,195	10.0	43.0	31.0
Libya	83,200	..	5.0	291.0	225.0
Morocco	58,256	2,110	13.0	71.0	53.0
Tunisia	19,371	1,991	12.0	114.0	76.0

(continued)

Table 6.2 Transportation (continued)

	Quality	Pricing		Committed nominal investment in transport projects with private participation (\$ millions)	Financing	
	Ratio of paved to total roads (%) 2000–08 ^a	Price of diesel fuel (\$ per liter) 2010	Price of gasoline (\$ per liter) 2010		ODA gross disbursements for transportation and storage (\$ millions)	
				2000–08 ^a	2008	2009
SUB-SAHARAN AFRICA		1.15	1.25		2,460.5	3,039.4
Angola	10.4	0.43	0.65	53.0	1.8	5.7
Benin	9.5	1.21	1.04	..	99.4	92.3
Botswana	32.6	0.97	0.93	..	0.1	12.9
Burkina Faso	4.2	1.28	1.44	..	38.2	52.5
Burundi	10.4	1.42	1.43	..	34.3	46.0
Cameroon	8.4	1.10	1.20	0.0	92.1	90.2
Cape Verde	69.0	1.33	1.84	..	76.1	55.7
Central African Republic	..	1.69	1.71	..	5.1	15.3
Chad	0.8	1.31	1.32	..	58.2	45.3
Comoros	76.5	..	..	0.5	0.6	2.2
Congo, Dem. Rep.	1.8	1.27	1.28	..	159.4	138.3
Congo, Rep.	7.1	0.84	1.27	735.0	28.2	20.4
Côte d'Ivoire	7.9	1.30	1.68	0.0	6.7	16.0
Djibouti	45.0	1.07	1.63	396.0	3.6	93.8
Equatorial Guinea	..	..	..	..	..	..
Eritrea	21.8	1.07	2.54	..	1.8	2.9
Ethiopia	13.7	0.78	0.91	..	313.8	251.8
Gabon	10.2	..	..	3.9	7.0	75.9
Gambia, The	19.3	..	..	..	6.4	9.7
Ghana	14.9	0.83	0.82	0.0	119.3	116.6
Guinea	9.8	0.95	0.95	159.0	35.5	28.6
Guinea-Bissau	27.9	..	..	..	16.8	15.1
Kenya	14.1	1.27	1.33	404.0	97.5	115.3
Lesotho	18.3	1.07	0.97	..	16.1	6.5
Liberia	6.2	0.96	0.98	..	31.2	49.8
Madagascar	11.6	1.26	1.52	17.5	117.8	42.8
Malawi	45.0	1.54	1.71	..	33.0	22.3
Mali	19.0	1.25	1.42	55.4	81.0	44.6
Mauritania	26.9	0.99	1.16	..	41.6	22.9
Mauritius	98.0	1.23	1.55	..	1.5	0.7
Mozambique	20.8	0.86	1.11	0.0	100.5	100.0
Namibia	12.8	1.09	1.06	..	25.8	53.7
Niger	20.7	1.16	1.07	..	60.7	38.8
Nigeria	15.0	0.77	0.44	382.0	44.4	108.7
Rwanda	19.0	1.62	1.63	..	50.7	26.8
São Tomé and Príncipe	68.1	..	..	..	3.7	1.6
Senegal	29.3	1.34	1.57	264.0	82.9	89.1
Seychelles	96.5	..	..	..	..	..
Sierra Leone	8.0	0.94	0.94	..	22.6	34.2
Somalia	11.8	..	..	..	0.1	1.7
South Africa	17.3	1.14	1.19	3,483.0	0.4	520.5
Sudan	36.3	0.43	0.62	30.0	29.3	78.3
Swaziland	30.0	1.10	1.07	..	0.0	0.4
Tanzania	7.4	1.19	1.22	134.0	162.8	146.4
Togo	21.0	1.17	1.18	..	0.0	0.6
Uganda	23.0	1.11	1.42	404.0	178.5	103.1
Zambia	22.0	1.52	1.66	15.6	77.1	34.6
Zimbabwe	19.0	1.15	1.29	..	0.0	0.0
NORTH AFRICA		0.32	0.48		531.4	890.6
Algeria	73.5	0.19	0.32	108.0	90.4	76.0
Egypt, Arab Rep.	86.9	0.32	0.48	640.0	110.2	145.5
Libya	57.2	0.13	0.17	..	..	..
Morocco	67.8	0.88	1.23	200.0	179.2	344.2
Tunisia	75.2	0.82	0.94	840.0	144.7	320.3

a. Data are for the most recent year available during the period specified.

Table 6.3 Information and communication technology

	Access, supply side			Access, demand side			Quality		
	Telephone subscribers (per 100 people)			Unmet demand (% of mainline telephones)	Households with own telephone (% of households)	Average delay for firm in obtaining a mainline phone connection (days)	Internet users (per 100 people)	Telephone faults	
	Total 2009	Mainline telephone 2009	Mobile telephone 2009					Total (per 100 mainlines) 2009	Cleared by next working day (%) 2009
SUB-SAHARAN AFRICA	38.8	1.5	37.3	..	..	..	8.8	..	..
Angola	45.5	1.6	43.8	..	..	9.3	3.3	..	..
Benin	57.8	1.4	56.3	..	..	89.4	2.2	6.6	40.7
Botswana	103.5	7.4	96.1	..	..	17.1	6.2	..	..
Burkina Faso	22.0	1.1	20.9	..	..	19.5	1.1	..	..
Burundi	10.5	0.4	10.1	0.1	..	..	0.8	..	..
Cameroon	39.6	1.7	37.9	..	..	19.2	3.8	..	..
Cape Verde	91.8	14.3	77.5	0.4	..	8.2	29.7	3.0	93.0
Central African Republic	4.1	0.3	3.8	..	..	..	0.5	..	..
Chad	24.1	0.1	24.0	..	..	13.3	1.7	..	..
Comoros	19.0	3.9	15.2	28.3	..	..	3.7	..	..
Congo, Dem. Rep.	15.5	0.1	15.4	..	..	20.1	0.6	..	..
Congo, Rep.	59.6	0.7	58.9	..	..	25.5	6.7	..	..
Côte d'Ivoire	64.7	1.3	63.3	..	..	5.8	4.6	..	..
Djibouti	16.9	2.0	14.9	..	7.2	..	3.0	..	31.0
Equatorial Guinea	67.3	1.5	65.8	..	..	..	2.1	..	..
Eritrea	3.7	1.0	2.8	49.5	..	..	4.9	50.2	24.0
Ethiopia	6.0	1.1	4.9	2.1	..	..	0.5	4.9	66.0
Gabon	94.9	1.8	93.1	..	..	8.6	6.7	..	..
Gambia, The	86.9	2.9	84.0	..	..	..	7.6	..	..
Ghana	64.5	1.1	63.4	0.2	..	..	5.4	1.1	60.0
Guinea	55.9	0.2	55.7	..	..	..	0.9	..	..
Guinea-Bissau	35.1	0.3	34.8	..	..	..	2.3	..	..
Kenya	50.3	1.7	48.7	0.4	..	..	10.0	26.1	47.0
Lesotho	33.9	1.9	32.0	..	..	53.7	3.7	..	..
Liberia	21.3	0.1	21.3	..	..	..	0.5	..	..
Madagascar	31.5	0.9	30.6	0.1	2.4	29.9	1.6	9.5	92.4
Malawi	16.9	1.2	15.7	..	..	45.9	4.7	..	..
Mali	29.4	0.6	28.8	..	..	13.8	1.9	..	..
Mauritania	68.6	2.3	66.3	..	..	..	2.3	..	..
Mauritius	114.9	29.7	85.2	..	73.6	38.6	22.7	..	..
Mozambique	26.4	0.4	26.1	..	..	..	2.7	..	..
Namibia	62.6	6.5	56.1	..	..	..	5.9	..	..
Niger	17.4	0.4	17.0	..	1.4	13.9	0.8	..	..
Nigeria	48.2	0.9	47.2	..	1.8	..	28.4	..	..
Rwanda	24.6	0.3	24.3	..	1.1	..	4.5	0.0	98.0
São Tomé and Príncipe	44.1	4.8	39.3	..	..	..	16.4	..	..
Senegal	57.3	2.2	55.1	..	..	..	7.4	..	92.0
Seychelles	130.0	25.1	104.9	9.8	..	..	38.7	5.0	95.0
Sierra Leone	20.9	0.6	20.4	..	0.8	21.4	0.3	..	..
Somalia	8.1	1.1	7.0	..	..	..	1.2	..	..
South Africa	102.9	8.8	94.2	..	18.1	..	9.0	..	..
Sudan	37.2	0.9	36.3	0.0	..	..	9.9	5.0	95.0
Swaziland	59.1	3.7	55.4	0.2	..	..	7.6	0.6	63.0
Tanzania	40.3	0.4	39.9	..	0.7	..	1.6	..	..
Togo	35.8	2.7	33.1	..	..	51.0	5.4	..	..
Uganda	29.4	0.7	28.7	..	..	..	9.8	..	..
Zambia	34.8	0.7	34.1	..	..	..	6.3	..	..
Zimbabwe	27.0	3.1	23.9	..	..	..	11.4	41.0	..
NORTH AFRICA	88.1	11.3	76.9	..	..	..	21.3	..	..
Algeria	101.2	7.4	93.8	..	..	..	13.5	..	..
Egypt, Arab Rep.	79.1	12.4	66.7	0.3	..	..	20.0	0.1	98.3
Libya	95.1	17.2	77.9	..	..	..	5.5	..	..
Morocco	90.1	11.0	79.1	..	26.0	..	32.2	..	..
Tunisia	105.8	12.3	93.5	0.9	..	..	33.6	24.8	78.7

(continued)

Table 6.3

Information and communication technology (continued)

	Pricing									
	Fixed broadband internet subscription (\$ per month) 2009	Cost of 3-minute call during peak hours (\$)		Cost of 3-minute call during off-peak hours (\$)		Connection charge (\$)				Fixed broadband internet 2009
		Fixed telephone local 2009	Cellular local 2009	Fixed telephone local 2009	Cellular local 2009	Residential telephone 2009	Business telephone 2009	Mobile cellular		
							Prepaid 2009	Postpaid 2009		
SUB-SAHARAN AFRICA	56.9	0.19	0.64	0.13	0.65	35.7	52.4	..	2.1	72.0
Angola	154.3	0.29	0.65	0.23	0.65	56.7	56.7	..	..	90.8
Benin	112.5	0.13	0.55	0.13	0.55	204.4	372.1	5.3	5.3	31.8
Botswana	56.9	0.19	0.75	0.14	0.75	35.4	51.9	1.4	1.4	94.7
Burkina Faso	87.2	0.24	0.95	0.14	0.95	53.0	53.0	..	6.4	..
Burundi	..	..	..	..	..	..	..	..	..	..
Cameroon	84.7	0.32	0.95	0.16	0.95	42.4	105.9	..	5.3	105.9
Cape Verde	33.3	0.07	0.91	0.05	0.91	25.8	26.4	..	..	29.0
Central African Republic	1,270.7	0.13	0.76	0.13	0.76	75.0	75.0	..	2.1	..
Chad	12.5	0.37	1.14	0.37	1.14	112.5	112.5	1.7	1.7	309.2
Comoros	409.4	0.14	0.64	0.14	0.64	114.4	114.4	..	..	169.4
Congo, Dem. Rep.	..	..	..	..	..	..	..	..	..	..
Congo, Rep.	..	..	..	..	..	..	..	..	..	..
Côte d'Ivoire	42.4	0.38	0.63	0.00	0.63	21.2	21.2	..	..	53.0
Djibouti	56.3	0.09	0.54	0.09	0.54	56.3	56.3	28.1	28.1	28.1
Equatorial Guinea	254.1	..	..	..	..	..	..	..	..	264.7
Eritrea	..	0.02	0.35	0.02	0.35	71.5	71.5	100.2	100.2	..
Ethiopia	517.6	0.02	0.21	0.02	0.21	20.6	20.6	14.4	14.4	..
Gabon	..	..	..	..	..	..	..	..	..	..
Gambia, The	..	..	..	..	..	..	..	..	..	..
Ghana	45.5	0.11	0.31	0.04	..	28.4	28.4	0.7	0.7	63.9
Guinea	..	..	..	..	..	..	..	..	..	..
Guinea-Bissau	..	..	0.57	..	0.57	..	..	1.1	1.1	..
Kenya	38.8	0.11	0.31	0.11	0.31	29.7	..	..	1.3	..
Lesotho	43.7	0.20	0.70	0.15	0.70	39.7	..	..	5.9	53.1
Liberia	..	..	..	..	..	..	..	..	..	..
Madagascar	100.2	0.30	0.65	0.09	0.65	30.2	30.2	..	0.5	0.0
Malawi	490.6	..	0.59	..	0.59	..	..	..	2.8	613.3
Mali	53.0	0.11	0.70	0.11	0.70	81.9	81.9	..	2.1	103.8
Mauritania	57.2	0.23	0.63	0.23	0.63	19.1	19.1	..	1.9	26.6
Mauritius	15.1	0.07	0.13	0.06	0.13	36.0	72.0	3.1	3.1	72.0
Mozambique	80.6	0.18	0.72	0.14	0.72	17.8	17.8	..	0.7	..
Namibia	41.2	0.16	0.89	0.08	0.89	34.6	34.6	..	2.2	..
Niger	254.1	0.16	0.79	0.16	0.79	31.8	..	..	3.2	103.8
Nigeria	105.8	0.20	0.60	0.18	0.60	..	..	..	..	..
Rwanda	88.0	0.20	0.45	0.20	0.45	52.8	..	..	1.8	176.0
São Tomé and Príncipe	202.5	0.10	0.47	0.10	0.47	25.9	25.9	..	8.6	81.0
Senegal	38.1	0.35	0.54	0.35	0.54	21.2	..	..	4.2	40.2
Seychelles	42.8	0.07	0.92	0.05	0.92	48.1	48.1	3.7	3.7	45.9
Sierra Leone	29.3	..	..	..	..	..	..	..	..	..
Somalia	..	..	..	..	..	..	..	..	..	..
South Africa	23.5	0.15	0.89	0.07	0.89	55.2	55.2	..	17.6	64.2
Sudan	26.1	0.00	0.18	0.00	0.18	..	..	..	2.2	43.4
Swaziland	749.2	0.07	0.78	0.04	0.78	25.1	42.0	..	1.8	..
Tanzania	22.7	0.27	0.59	0.27	..	15.2	15.2	0.4	0.4	18.9
Togo	1,049.6	0.19	0.73	0.10	0.73	75.0	75.0	..	2.1	174.9
Uganda	41.9	0.18	0.50	0.11	..	59.1	59.1	..	1.5	145.3
Zambia	47.4	0.78	0.70	0.46	0.70	9.9	29.7	..	..	..
Zimbabwe	..	..	..	..	..	..	..	..	..	..
NORTH AFRICA	15.1	0.05	0.41	0.04	0.41	14.8	90.2	3.7	5.3	..
Algeria	15.1	0.08	0.33	0.06	0.33	..	..	..	6.9	..
Egypt, Arab Rep.	8.1	0.03	0.11	0.03	0.11	6.7	90.2	3.2	3.2	0.0
Libya	39.9	..	..	..	..	..	..	..	..	119.6
Morocco	16.0	0.25	1.34	0.25	1.34	74.5	148.9	14.9	14.9	..
Tunisia	11.1	0.02	0.49	0.02	0.49	14.8	37.0	3.7	3.7	..

a. Data are for the most recent year available during the period specified.

Financing					Annual revenue (\$ millions)		
Annual investment (\$ millions)			Committed nominal investment in telecommunication projects with private participation (\$ millions)	ODA gross disbursements for communication (\$ millions)	Annual revenue (\$ millions)		
Fixed telephone service 2009 ^a	Mobile communication 2009	Telecommunications 2009			Fixed telephone service 2009	Mobile communication 2009	Telecommunications 2009
143.1	6,107.9	4,070.7	11,333.0	256.3	2,304.4	12,497.8	15,077.3
..	..	..	354.0	0.6	..	..	..
0.8	335.9	336.7	127.0	0.7	22.9	315.5	338.4
..	..	..	86.0	0.1	..	279.5	402.8
..	..	118.0	193.0	4.3	..	..	..
..	..	..	-	1.8	..	..	..
..	..	..	278.0	2.1	..	..	..
..	..	..	23.0	0.8	..	..	..
..	..	..	6.0	0.1	..	..	..
..	..	..	68.0	..	..	..	..
..	..	3.9	..	..	..	7.6	27.9
..	203.8	203.8	151.0	4.3	..	726.5	..
..	..	..	110.0	0.1	..	..	..
..	271.5	298.6	318.0	0.9	292.7	1,173.8	1,466.5
7.1	1.2	8.6	..	10.4	22.3	16.2	60.2
..	..	..	..	(0.0)	..	..	..
..	..	..	-	..	25.0	28.8	54.5
..	..	..	..	4.6	270.8	196.4	480.8
..	..	..	91.0	..	..	..	..
..	..	..	-	0.4	..	..	..
..	592.9	640.5	847.0	9.3	..	1,067.3	1,174.0
..	..	..	87.0	0.1	..	..	..
..	..	..	28.0	0.2	..	..	..
40.4	454.6	514.2	278.0	17.3	646.4	1,088.1	1,837.6
..	..	..	11.0	..	..	..	..
..	..	..	24.0	0.3	..	..	..
7.6	..	..	83.0	0.3	32.9	248.4	325.9
..	..	..	73.0	2.0	..	..	..
..	..	63.5	429.0	0.8	50.0	463.4	513.4
..	..	..	43.0	0.0	..	..	..
..	..	..	35.0	6.5	67.7	114.2	..
..	..	..	52.0	19.0	..	..	..
..	..	..	-	(8.7)	..	..	..
..	..	..	87.0	0.5	..	..	..
..	..	644.7	3,057.0	22.8	280.7	5,990.1	6,270.8
..	..	174.3	183.0	2.4	..	..	152.8
..	..	..	..	0.1	..	..	..
38.2	227.2	265.4	256.0	2.4	593.0	692.5	1,285.5
..
..	..	..	23.0	0.9	..	..	..
..	..	..	-	0.1	..	..	..
..	..	..	2,387.0	6.2	..	..	..
..	..	..	357.0	0.1	..	..	..
..	20.7	..	25.0	..	..	89.5	..
..	..	..	522.0	2.2	..	..	..
..	..	..	44.0	..	..	..	..
..	..	298.5	283.0	8.2	..	..	686.2
..	..	..	114.0	1.2	..	..	..
49.0	4,000.0	500.0	200.0	0.3	..	..	..
258.7	1,327.8	4,085.3	2,716.0	29.3	3,194.4	11,710.3	17,337.8
..	..	..	398.0	0.7	798.4	3,057.2	5,011.9
177.9	1,166.2	3,135.4	1,791.0	2.8	1,039.5	4,717.0	6,513.4
..
..	..	684.1	240.0	1.5	1,127.6	2,806.6	4,136.9
80.8	161.6	265.8	287.0	19.2	229.0	1,129.4	1,675.6

Table 6.4 Energy

	Access, demand side								
	Energy production						Electric power consumption (kWh per capita) 2008	GDP per unit of energy use (2005 PPP \$ per kg of oil equivalent) 2008	Solid fuels use (% of population) 2006
	Total (billion kWh) 2008	Hydroelectric 2008	Coal 2008	Source ^a (% of total) Natural gas 2008	Nuclear 2008	Oil 2008			
SUB-SAHARAN AFRICA	423.9	17.2	58.0	4.4	3.1	3.8	530.9	3.2	81.6
Angola	4.0	96.3	0.0	0.0	0.0	3.7	189.3	8.8	47.7
Benin	0.1	0.7	0.0	0.0	0.0	99.3	76.3	3.9	94.3
Botswana	0.6	0.0	100.0	0.0	0.0	0.0	1,503.3	11.6	40.0
Burkina Faso	..	..	..	..	..	..	..	..	95.0
Burundi	..	..	..	..	..	..	..	..	95.0
Cameroon	5.6	76.2	0.0	7.7	0.0	15.9	262.6	5.4	80.6
Cape Verde	..	..	..	..	..	..	..	..	36.2
Central African Republic	..	..	..	..	..	..	..	..	95.0
Chad	..	..	..	..	..	..	..	..	93.0
Comoros	..	..	..	..	..	..	..	..	76.0
Congo, Dem. Rep.	7.5	99.4	0.0	0.4	0.0	0.2	95.1	0.8	95.0
Congo, Rep.	0.5	81.3	0.0	18.7	0.0	0.0	150.2	9.6	83.9
Côte d'Ivoire	5.8	32.7	0.0	65.1	0.0	0.2	186.3	3.1	79.0
Djibouti	..	..	..	..	..	..	..	..	16.0
Equatorial Guinea	..	..	..	..	..	..	..	..	..
Eritrea	0.3	0.0	0.0	0.0	0.0	99.3	..	3.8	62.7
Ethiopia	3.8	87.3	0.0	0.0	0.0	12.4	42.4	2.0	95.0
Gabon	2.0	43.8	0.0	24.7	0.0	31.2	1,158.0	9.4	27.0
Gambia, The	..	..	..	..	..	..	..	..	94.7
Ghana	8.4	74.1	0.0	0.0	0.0	25.9	267.7	3.4	85.9
Guinea	..	..	..	..	..	..	..	..	95.0
Guinea-Bissau	..	..	..	..	..	..	..	..	95.0
Kenya	7.1	40.4	0.0	0.0	0.0	38.4	155.3	3.1	75.0
Lesotho	..	..	..	..	..	..	..	..	71.0
Liberia	..	..	..	..	..	..	..	..	95.0
Madagascar	..	..	..	..	..	..	..	..	95.0
Malawi	..	..	..	..	..	..	..	..	95.0
Mali	..	..	..	..	..	..	..	..	95.0
Mauritania	..	..	..	..	..	..	..	..	60.0
Mauritius	..	..	..	..	..	..	..	..	5.0
Mozambique	15.1	99.9	0.0	0.1	0.0	0.0	461.4	1.9	95.0
Namibia	2.1	67.5	31.1	0.0	0.0	1.4	1,797.3	7.3	57.0
Niger	..	..	..	..	..	..	..	..	95.0
Nigeria	21.1	27.1	0.0	58.2	0.0	14.7	126.5	2.6	78.8
Rwanda	..	..	..	..	..	..	..	..	95.0
São Tomé and Príncipe	..	..	..	..	..	..	..	..	..
Senegal	2.4	9.5	0.0	1.7	0.0	85.8	158.2	7.1	51.0
Seychelles	..	..	..	..	..	..	..	..	5.0
Sierra Leone	..	..	..	..	..	..	..	..	95.0
Somalia	..	..	..	..	..	..	..	..	95.0
South Africa	255.5	0.5	94.2	0.0	5.1	0.1	4,759.5	3.5	17.3
Sudan	4.5	32.4	0.0	0.0	0.0	67.6	96.4	5.3	89.9
Swaziland	..	..	..	..	..	..	..	..	58.0
Tanzania	4.4	60.1	2.7	36.2	0.0	0.9	83.9	2.6	94.0
Togo	0.1	74.0	0.0	0.0	0.0	24.4	98.8	1.9	95.0
Uganda	..	..	..	..	..	..	..	..	95.0
Zambia	9.7	99.7	0.0	0.0	0.0	0.3	602.4	2.1	85.7
Zimbabwe	8.0	53.4	46.3	0.0	0.0	0.3	1,022.2	..	71.2
NORTH AFRICA	236.1	6.7	5.0	66.5	0.0	21.3	1,281.7	6.4	5.4
Algeria	40.2	0.7	0.0	97.3	0.0	2.0	957.1	6.8	5.0
Egypt, Arab Rep.	131.0	11.2	0.0	68.4	0.0	19.7	1,425.4	5.8	5.0
Libya	28.7	0.0	0.0	41.0	0.0	59.0	3,909.3	5.2	5.0
Morocco	20.8	4.5	56.2	13.8	0.0	24.2	735.6	8.4	6.8
Tunisia	15.3	0.2	0.0	88.7	0.0	10.8	1,298.0	8.3	5.0

a. Shares may not sum to 100 percent because other sources of generated electricity (such as geothermal, solar, and wind) are not shown.

b. Data are for the most recent year available during the period specified.

Firms identifying electricity as major or very severe obstacle to business operation and growth (%) 2009–10 ^b	Average delay for firm in obtaining electrical connection (days) 2009–10 ^b	Quality				Financing	
		Electric power transmission and distribution losses (% of output) 2008	Electrical power outages in a typical month (average) 2009–10 ^b	Firms that share or own their own generator (%) 2009–10 ^b	Firms using electricity from generator (%) 2009–10 ^b	Committed nominal investment in energy projects with private participation (\$ millions) 2009	ODA gross disbursements for energy (\$ millions) 2009
		10.5				..	1,478.9
35.7	7.7	14.5	5.4	79.0	17.3	..	4.7
51.9	86.8	92.6	13.9	50.5	10.1	..	16.3
34.8	39.2	52.0	4.5	34.5	0.6	..	0.3
53.9	23.1	..	10.8	28.3	2.5	..	26.1
..	..	..	..	..	..	..	1.9
58.6	17.6	9.7	10.6	34.8	4.5	0.0	57.3
53.1	30.5	..	4.9	48.8	10.9	..	1.9
..	..	..	..	..	..	..	3.4
74.6	10.6	..	22.6	75.5	52.0	..	0.8
..
51.7	48.0	11.0	21.8	49.3	4.2	..	132.8
71.1	8.5	76.8	25.3	81.8	43.2	..	0.1
39.8	20.9	23.5	3.8	6.5	1.0	0.0	15.4
..	..	..	..	..	..	..	22.5
..	..	..	..	..	..	..	0.0
0.2	..	..	3.0	36.8	1.0	..	3.1
..	..	9.5	..	..	..	4.0	179.0
58.0	34.5	17.8	7.2	22.9	1.8	..	0.1
..	..	..	..	..	..	..	1.8
..	..	22.1	..	..	..	..	43.9
..	..	..	..	..	..	..	0.8
..	..	..	..	..	..	..	3.4
..	..	14.7	..	..	..	11.0	142.9
44.3	13.9	..	6.8	30.9	0.0	..	0.4
59.1	..	..	5.4	66.5	63.1	..	13.1
54.6	92.1	..	13.6	29.3	5.2	..	5.8
37.6	59.2	..	1.0	25.3	2.1	..	2.3
33.5	32.9	..	5.3	20.1	0.5	..	20.5
..	..	..	..	..	..	..	11.2
42.9	18.7	..	3.2	24.5	0.8	..	5.8
..	..	9.0	..	..	..	..	57.6
..	..	17.6	..	..	..	..	4.5
63.2	37.1	..	20.1	34.5	5.2	..	0.6
..	..	9.4	..	..	..	..	72.7
..	..	..	..	..	..	..	41.9
..
..	..	19.5	..	..	..	..	16.5
..
53.4	14.8	..	15.9	81.8	36.6	..	30.1
..
..	..	8.8	..	..	..	..	4.8
..	..	11.9	..	..	..	..	2.0
..
..	..	19.3	..	..	..	..	121.4
50.9	53.9	122.8	11.1	63.6	9.3	..	121.8
..	..	..	..	..	..	27.0	163.0
..	..	23.3	..	..	..	..	8.1
..	..	6.5	..	..	..	..	1.3
..	..	12.5	..	..	..	..	1,106.6
..	..	18.1	..	..	..	..	2.2
..	..	10.6	..	..	..	..	460.3
..	..	14.0	..	..	..	..	2.5
..	..	11.0	..	..	..	..	454.7
..	..	12.4	..	..	..	..	166.7