

Global Tracking Framework (GTF)

Country Data - Kazakhstan

Energy Access

Access to Electricity 1990-2014

Year	Electrification rate, National (%)	Electrification rate, Rural (%)	Electrification rate, Urban (%)
1990	97.65	96.01	0
1991	97.82	96.23	0
1992	97.98	96.45	0
1993	98.14	96.66	0
1994	98.29	96.87	0
1995	99.9	99.9	99.9
1996	98.57	97.25	99.6
1997	98.69	97.42	99.69
1998	98.79	97.57	99.76
1999	97	93.9	99.4
2000	98.96	97.81	99.87
2001	99.02	97.92	99.91
2002	99.08	98.01	99.94
2003	99.14	98.12	99.97
2004	99.19	98.23	99.98
2005	99.25	98.36	99.99
2006	99.32	98.5	100
2007	99.39	98.67	100
2008	99.48	98.85	100
2009	100	100	100
2010	99.67	99.28	100
2011	99.78	99.5	100

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2012	99.88	99.72	100
2013	99.95	99.88	100
2014	100	100	100

Access to Clean Cooking Fuel and Technologies 2000-2014

Year	Access to clean fuels and technologies for cooking (%)
2000	83.14
2001	83.88
2002	84.58
2003	85.25
2004	85.88
2005	86.49
2006	87.09
2007	87.69
2008	88.29
2009	88.88
2010	89.48
2011	90.07
2012	90.66
2013	91.26
2014	91.85

Energy Efficiency

Energy Intensity 1990-2014

Year	National Energy Intensity	Compound annual growth
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	(MJ/USD PPP 2011)	rate of national energy intensity (%)
1990	13.83	0
1991	15.86	14.65
1992	17.61	11.09
1993	16.15	-8.34
1994	16.37	1.37
1995	16.02	-2.11
1996	13.84	-13.62
1997	11.85	-14.37
1998	12.03	1.53
1999	10.7	-11.08
2000	9.68	-9.54
2001	8.25	-14.71
2002	8.65	4.78
2003	8.58	-0.76
2004	9.23	7.51
2005	8.43	-8.68
2006	9.19	9.06
2007	9.08	-1.21
2008	9.29	2.34
2009	8.34	-10.22
2010	8.47	1.49
2011	8.84	4.37
2012	8.07	-8.69
2013	8.42	4.34
2014	7.6	-9.68

Sectors 1990-2014

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Year	Industry (MJ/USD PPP 2011)	Agriculture (MJ/USD PPP 2011)	Residential (GJ/Population)	Services (MJ/USD PPP 2011)
1990	11.07	4.19	0	0.12
1991	11.79	6.58	0	0.24
1992	15.77	4.51	0	0.17
1993	15.8	4.74	1.74	0.12
1994	17.13	5.22	1.88	0.07
1995	19.86	6.24	1.54	0.07
1996	17.06	5.06	1.4	0.04
1997	14.46	4.12	1.28	0.05
1998	13.76	5.23	1.29	0.05
1999	11.42	3.8	1.32	0.04
2000	10.11	3.25	5.61	0.1
2001	10.29	2.68	6.01	0.08
2002	10.08	2.74	6.69	0.08
2003	10.75	3.35	7.5	0.08
2004	11.59	2.75	7.22	0.06
2005	11.5	2.15	7.72	0.07
2006	9.24	2.14	7.42	0.07
2007	10.19	2.62	7.62	0.07
2008	14.75	2.42	14.46	2.17
2009	13.68	2.51	15.47	1.05
2010	14.68	1.83	16	1.11
2011	14.81	2.34	19.09	1.13
2012	14.03	1.93	18.2	0.67
2013	14.94	1.76	16.45	0.96
2014	11.93	1.94	19.82	0.92

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Renewable Energy

Total Final Energy Consumption

Year	Renewables (as % of TFEC) (%)	New Renewables (as % of TFEC) (%)	Traditional Solid Biomass (TJ)	Modern Renewables (TJ)	Non Renewables (TJ)
1990	1.41	1.21	0	34100.6	2388303.55
1991	1.29	1.1	0	32782.12	2513645.84
1992	1.17	0.99	0	31112.05	2617809.28
1993	1.34	1.19	0	29607.42	2174205.44
1994	1.83	1.65	0	31880.82	1706049.9
1995	1.58	1.38	0	26523.07	1656684.08
1996	1.63	1.42	0	23546.54	1417685.38
1997	1.67	1.42	0	20596.76	1211992.8
1998	1.54	1.29	0	19339.07	1239115.79
1999	1.79	1.52	0	20056.16	1101254.8
2000	2.51	2.15	0	21658.04	842921.44
2001	2.41	2.32	0	20721.36	839086.04
2002	2.77	2.66	0	22606.87	792449.29
2003	2.28	2.17	0	21502.99	919630.65
2004	1.89	1.8	0	19622.08	1019412.86
2005	2.09	2.06	0	25816.46	1206825.02
2006	2.13	2.06	0	26317.4	1210948.28
2007	1.83	1.76	0	27762.85	1486646.84
2008	1.15	0.99	1741.67	18560.2	1739259.57
2009	1.31	1.12	2598.5	16514.41	1444816.2
2010	1.38	1.25	1742.67	20425.87	1581500.96
2011	1.38	1.2	2496.51	22019.32	1749525.96

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2012	1.33	1.18	1989.61	20727.13	1688203.54
2013	1.17	1.01	1934.64	18589.08	1740827.5
2014	1.36	1.3	919.84	19543.5	1481323.82

Renewable Energy Consumption

Renewable Energy Consumption by End Use (2014)

Year	Electricity (%)	Transport (%)	Heating (%)
2014	7.88	0	0.09

Current Renewable Energy Consumption by Source (2014)

Year	Geothermal (TJ)	Hydro (TJ)	Liquid Biofuels (TJ)	Modern Biomass (TJ)	Others (TJ)	Solar (TJ)	Traditional Biomass (TJ)	Wind (TJ)
2014	0	19509.72	0	0	0	3	919.84	30.04