

## Global Tracking Framework (GTF)

### Country Data - Ghana

#### Energy Access

##### Access to Electricity 1990-2014

Year	Electrification rate, National (%)	Electrification rate, Rural (%)	Electrification rate, Urban (%)
1990	23.88	0	0
1991	26	1.09	0
1992	28.13	3.41	0
1993	30.6	6	74.6
1994	32.36	8.03	69.8
1995	34.47	10.33	70.47
1996	36.57	12.62	71.19
1997	38.65	14.89	71.94
1998	42.6	20.9	82.4
1999	42.77	19.37	73.56
2000	44.81	21.58	74.45
2001	46.83	23.78	75.45
2002	48.85	25.98	76.48
2003	48.3	24.1	76.9
2004	52.87	30.39	78.6
2005	54.89	32.61	79.7
2006	56.92	34.86	80.83
2007	58.95	37.12	81.98
2008	60.5	38.2	84.8
2009	63.06	41.72	84.37
2010	65.12	44.04	85.61
2011	64.06	40.95	84.95

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2012	69.26	48.72	88.18
2013	70.7	48.6	88.5
2014	78.3	63	90.8

### Access to Clean Cooking Fuel and Technologies 2000-2014

Year	Access to clean fuels and technologies for cooking (%)
2000	6.03
2001	7.21
2002	8.34
2003	9.43
2004	10.49
2005	11.54
2006	12.57
2007	13.59
2008	14.62
2009	15.65
2010	16.67
2011	17.69
2012	18.71
2013	19.73
2014	20.75

## Energy Efficiency

### Energy Intensity 1990-2014

Year	National Energy Intensity	Compound annual growth
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	<b>(MJ/USD PPP 2011)</b>	<b>rate of national energy intensity (%)</b>
1990	7.89	0
1991	7.75	-1.71
1992	7.73	-0.3
1993	7.73	-0.07
1994	7.78	0.73
1995	7.82	0.53
1996	7.74	-1.1
1997	7.76	0.3
1998	7.83	0.95
1999	7.79	-0.52
2000	6.14	-21.19
2001	5.94	-3.23
2002	5.65	-4.88
2003	5.08	-10.06
2004	4.81	-5.36
2005	4.5	-6.4
2006	4.51	0.13
2007	4.32	-4.16
2008	3.96	-8.38
2009	4.09	3.3
2010	4.14	1.08
2011	3.87	-6.4
2012	3.83	-0.98
2013	3.74	-2.51
2014	3.63	-2.96

### 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	0	0	8.48	0
1991	0	0	8.45	0
1992	0	0	8.55	0
1993	0	0	8.61	0
1994	0	0	8.71	0
1995	0	0	8.78	0
1996	0	0	8.86	0
1997	0	0	8.77	0
1998	0	0	8.77	0
1999	0	0	8.82	0
2000	0	0	6.13	0
2001	0	0	5.74	0
2002	0	0	5.3	0
2003	0	0	5.05	0
2004	0	0	4.76	0
2005	0	0.14	4.45	0
2006	4.49	0.16	4.2	0.33
2007	3.9	0.17	4.11	0.31
2008	3.36	0.17	4.09	0.31
2009	3.4	0.19	3.98	0.32
2010	3.23	0.15	3.84	0.3
2011	2.63	0.18	3.86	0.3
2012	2.58	0.21	3.72	0.31
2013	2.53	0.19	3.61	0.4
2014	2.41	0.12	3.8	0.41

## Global Tracking Framework (GTF)

### 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	80.63	9.05	115192.18	28088.99	34428.81
1991	82.93	9.5	119746.75	29375.51	30698.33
1992	81	9.61	123785.34	30946.48	36292.19
1993	81.3	9.74	127985.45	32072.33	36821.84
1994	80.56	8.95	132285.59	31490.58	39526.97
1995	79.79	10.22	135985.38	35575.66	43456.38
1996	78.83	10.87	139232.41	38411.14	47708.99
1997	78.34	10.2	142456.29	37704.03	49814.78
1998	73.58	5.54	146203.85	27715.55	62454.55
1999	72.78	7.52	149408.85	33869.91	68533.57
2000	71.62	9.41	106240.51	53408.32	63272.19
2001	69.31	9.15	98966.87	51521.37	66619.74
2002	65.68	7.34	94395.84	44301.53	72489.09
2003	64.47	5.54	89417.53	37991.42	70223.38
2004	62.37	7.23	85374.04	39444.17	75296.13
2005	61.43	8	81683.3	38889.2	75716.83
2006	58.58	8.07	78470.26	37548.69	82034.73
2007	54.53	5.58	76206.21	31358.38	89709.35
2008	55.91	8.55	74600.49	36336.9	87485.41
2009	49.99	8.01	74032.55	36534.89	110613.92
2010	49.86	8	73943.54	36102.12	110658.95
2011	48.03	8.13	76110.08	38398.07	123916.42

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2012	44.34	7.8	73478.13	42225.59	145254
2013	44.01	7.93	72876.82	46772.72	152208.34
2014	45.22	8.56	79236.36	46145.65	151900.29

### Renewable Energy Consumption

#### Renewable Energy Consumption by End Use (2014)

Year	Electricity (%)	Transport (%)	Heating (%)
2014	64.73	0	72.93

#### 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	23720.11	0	22414.22	0	11.37	79236.36	0