

## Global Tracking Framework (GTF)

### Country Data - Panama

#### Energy Access

##### Access to Electricity 1990-2014

Year	Electrification rate, National (%)	Electrification rate, Rural (%)	Electrification rate, Urban (%)
1990	70.19	43.49	95.56
1991	73.34	44.27	97.36
1992	74.2	45.25	97.31
1993	75.05	46.22	97.29
1994	75.9	47.18	97.3
1995	76.74	48.13	97.34
1996	77.57	49.08	97.39
1997	78.39	50	97.47
1998	79.19	50.91	97.55
1999	79.97	51.79	97.65
2000	81.4	52.16	97.19
2001	81.49	53.52	98.28
2002	82.24	54.37	98.76
2003	87.8	55.23	100
2004	83.73	56.09	99.71
2005	84.48	56.97	100
2006	85.24	57.86	100
2007	86.01	58.79	100
2008	86.79	59.73	100
2009	87.58	60.69	100
2010	86.85	61.65	98.7
2011	89.18	62.66	100

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2012	89.98	63.66	100
2013	89.1	64.66	100
2014	91.6	65.66	100

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

Year	Access to clean fuels and technologies for cooking (%)
2000	81.03
2001	81.49
2002	81.89
2003	82.26
2004	82.6
2005	82.92
2006	83.23
2007	83.53
2008	83.83
2009	84.13
2010	84.43
2011	84.73
2012	85.03
2013	85.33
2014	85.62

## 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	3.28	0
1991	3.25	-0.93
1992	3.43	5.35
1993	3.3	-3.81
1994	3.38	2.39
1995	3.37	-0.28
1996	3.5	3.97
1997	3.42	-2.36
1998	3.69	8.04
1999	3.5	-5.15
2000	3.45	-1.38
2001	3.89	12.72
2002	3.46	-11.12
2003	3.32	-3.93
2004	3.05	-8.26
2005	3.17	4.04
2006	3.12	-1.55
2007	2.65	-15.12
2008	2.45	-7.7
2009	2.66	8.63
2010	2.69	1.17
2011	2.61	-2.95
2012	2.47	-5.48
2013	2.27	-7.86
2014	2.27	0.01

### 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	3.49	0	7.36	0.41
1991	3.49	0	7.28	0.39
1992	3.59	0	7.52	0.38
1993	3.25	0	7.53	0.4
1994	3.01	0	7.63	0.42
1995	3.13	0	7.28	0.46
1996	3.57	0	7.71	0.46
1997	3.05	0	7.73	0.47
1998	3.03	0	7.82	0.47
1999	2.71	0	7.74	0.5
2000	2.91	0	7.64	0.52
2001	3.67	0	7.5	0.52
2002	2.91	0.35	7.3	0.57
2003	1.35	0.53	7.57	0.56
2004	2.42	0.41	6.99	0.53
2005	3.83	0.43	6.75	0.52
2006	3.41	0.48	7.54	0.5
2007	2.81	0.19	6.35	0.53
2008	2.19	0.28	7.8	0.45
2009	2.75	0.23	7.52	0.48
2010	2.82	0.24	6.1	0.49
2011	2.79	0.24	6.09	0.43
2012	2.75	0.25	6.18	0.43
2013	2.32	0.25	6.26	0.44
2014	2.1	0.32	6.39	0.47

## 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	43.59	11.95	13366.02	9052.48	29012.53
1991	41.26	10.49	13366.02	9217.88	32153.78
1992	40.22	9.27	14021.89	9496.27	34960.1
1993	40.41	10.6	14286.87	10606.02	36712.9
1994	38.31	10.64	14536.82	10114.23	39690.69
1995	35.28	10.82	13787.97	9349.6	42437.94
1996	37.35	11.96	15067.71	11274.24	44188.3
1997	37.04	11.76	15208.68	11625.75	45613.09
1998	31.97	8.06	15364.47	9389.26	52681.64
1999	34.22	10.97	15411.44	12006.27	52713.5
2000	34.4	11.68	15411.44	12776.17	53758.24
2001	31.09	8.27	15480.44	10499.65	57589.9
2002	34.7	11.51	14627.8	14067.91	54003.22
2003	33.84	9.85	14613.77	12364.54	52742.38
2004	33.38	12.46	13792.78	15286.92	58039.99
2005	27.04	10.85	12866.96	14545.68	73959.84
2006	26.94	9.96	14247.68	14466.67	77865.04
2007	26.49	11	11614.35	14744	73148.36
2008	30.55	11.45	16875.36	15559.57	73749.53
2009	26.22	9.96	15603.41	15069.12	86294.32
2010	19.94	10.79	7185.64	16363.9	94567.84
2011	19.14	10.04	7158.63	16587.16	100315.37

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2012	20.62	12.17	7131.63	20265.85	105473.85
2013	20.31	11.91	7105.63	20271.21	107395.92
2014	19.77	12.04	7078.62	20910.74	113579.95

### Renewable Energy Consumption

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

Year	Electricity (%)	Transport (%)	Heating (%)
2014	55.8	2.56	18.71

#### 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	15266.41	1420.36	3869.07	0	2.97	7078.62	351.8