

Global Tracking Framework (GTF)

Country Data - Madagascar

Energy Access

Access to Electricity 1990-2014

Year	Electrification rate, National (%)	Electrification rate, Rural (%)	Electrification rate, Urban (%)
1990	10.55	1.35	0
1991	10.87	1.78	0
1992	9.2	1.9	46.9
1993	11.51	2.64	37.79
1994	11.83	3.06	37.4
1995	12.13	3.47	37.06
1996	12.43	3.87	36.72
1997	10.9	2.1	38.1
1998	12.97	4.61	36.07
1999	13.22	4.95	35.74
2000	13.45	5.28	35.42
2001	14.8	5.9	42.08
2002	13.89	5.9	34.77
2003	14.1	6.21	34.43
2004	20.3	10.8	52.7
2005	14.52	6.87	33.43
2006	14.75	7.22	32.79
2007	14.98	7.6	32.17
2008	15.22	8	31.56
2009	17.4	8.2	68.6
2010	15.74	8.85	30.42
2011	14.3	9.4	61.5

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2012	16.28	9.75	29.4
2013	12.9	8.1	60.7
2014	16.82	10.67	28.52

Access to Clean Cooking Fuel and Technologies 2000-2014

Year	Access to clean fuels and technologies for cooking (%)
2000	2
2001	2
2002	2
2003	2
2004	2
2005	2
2006	2
2007	2
2008	2
2009	2
2010	2
2011	2
2012	2
2013	2
2014	2

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	4.44	0
1991	4.95	11.63
1992	5.06	2.28
1993	5.19	2.47
1994	5.54	6.67
1995	5.68	2.65
1996	5.79	1.96
1997	5.38	-7.11
1998	5.36	-0.33
1999	5.35	-0.3
2000	5.19	-2.93
2001	4.89	-5.77
2002	5.37	9.71
2003	5.25	-2.24
2004	5.16	-1.61
2005	5	-3.15
2006	5.42	8.45
2007	5.15	-5.04
2008	4.88	-5.17
2009	5.06	3.63
2010	5.13	1.43
2011	5.17	0.7
2012	5.15	-0.41
2013	5.29	2.73
2014	5.18	-1.95

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	1.62	0	4.45	0
1991	1.59	0	4.44	0
1992	1.55	0	4.42	0
1993	1.5	0	4.39	0
1994	1.32	0	4.43	0
1995	1.38	0	4.37	0
1996	1.35	0	4.32	0
1997	1.33	0	3.7	0
1998	1.29	0	3.1	0
1999	1.14	0	3.67	0
2000	0.96	0	3.54	0
2001	0.79	0	3.77	0
2002	0.78	0	3.12	0
2003	0.71	0	3.08	0
2004	0.72	0	3.04	0
2005	0.77	0	2.97	0
2006	0.7	0	3.76	0
2007	0.61	0	3.55	0.03
2008	0.59	0	3.35	0.02
2009	0.86	0	3.15	0.02
2010	1.13	0	2.75	0.03
2011	1.71	0	2.68	0.03
2012	2.2	0	2.61	0.03
2013	2.62	0	1.74	0.03
2014	2.19	0	1.82	0.03

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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	85.91	1.46	48607.33	14140.65	10288.77
1991	85.11	1.38	49950.18	14619.2	11296.1
1992	85.43	1.3	51165.13	15799.55	11423.01
1993	85.8	1.45	52352.68	17393.19	11541.81
1994	82.59	1.35	53403.21	17893.09	15029.85
1995	82.71	1.36	54344.11	20176.82	15574.69
1996	82.29	1.42	55175.4	20640.8	16320.51
1997	77	1.66	47068.91	20080.1	20052.46
1998	76.06	1.88	40772.97	20274.09	19218.35
1999	77.6	1.65	51385.11	20319.83	20692.38
2000	78.4	1.72	52685.74	19420.34	19865.67
2001	80	1.67	58331.9	19312.3	19405.98
2002	83.48	1.68	49623.51	24923.84	14754.87
2003	80.59	1.82	50104.74	26141.62	18357.98
2004	79.86	1.87	50592.27	27374.54	19667.17
2005	80.47	1.87	51110.32	28532.08	19327.94
2006	84.34	1.61	67599	29526.98	18027.27
2007	83.34	1.75	65461.41	30842.71	19246.09
2008	82.33	1.73	63296.41	32763.88	20610.82
2009	83.18	1.74	61138	34948.33	19435.65
2010	81.93	1.68	54172.19	39022.02	20552.88
2011	79.19	1.55	54171.83	38707.16	24405.42

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2012	76.7	1.63	54116.83	38717.61	28200.74
2013	72.93	1.89	36228.32	50192.38	32079.53
2014	73.56	2.02	38813.53	49890.29	31876.27

Renewable Energy Consumption

Renewable Energy Consumption by End Use (2014)

Year	Electricity (%)	Transport (%)	Heating (%)
2014	53.27	0	83.59

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	2428.32	0	47459.22	0	2.75	38813.53	0