

## Global Tracking Framework (GTF)

### Country Data - Macao (SAR, China)

#### Energy Access

##### Access to Electricity 1990-2014

Year	Electrification rate, National (%)	Electrification rate, Rural (%)	Electrification rate, Urban (%)
1990	0	0	0
1991	0	0	0
1992	0	0	0
1993	0	0	0
1994	100	100	100
1995	100	100	100
1996	100	100	100
1997	100	100	100
1998	100	100	100
1999	100	100	100
2000	100	100	100
2001	100	100	100
2002	100	100	100
2003	100	100	100
2004	100	100	100
2005	100	100	100
2006	100	100	100
2007	100	100	100
2008	100	100	100
2009	100	100	100
2010	100	100	100
2011	100	100	100

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2012	100	100	100
2013	100	100	100
2014	100	100	100

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

Year	Access to clean fuels and technologies for cooking (%)
2000	0
2001	0
2002	0
2003	0
2004	0
2005	0
2006	0
2007	0
2008	0
2009	0
2010	0
2011	0
2012	0
2013	0
2014	0

## 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	1.17	0
1991	1.2	2.4
1992	1.06	-11.92
1993	1.1	3.75
1994	1.13	3.29
1995	1.08	-4.95
1996	1.24	14.91
1997	1.32	6.44
1998	1.43	8.66
1999	1.44	0.48
2000	1.46	1.63
2001	1.35	-7.46
2002	1.13	-16.16
2003	1.02	-9.8
2004	0.9	-12.39
2005	0.91	1.09
2006	0.79	-13.33
2007	0.72	-7.76
2008	0.7	-2.72
2009	0.93	31.7
2010	0.63	-32.37
2011	0.53	-16.02
2012	0.49	-8
2013	0.43	-12.13
2014	0.46	7.99

### 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	6.92	0
1991	0	0	7.45	0
1992	0	0	8.12	0
1993	0	0	4.55	0
1994	0	0	4.89	0
1995	0	0	5.35	0
1996	0	0	5.78	0
1997	0	0	5.42	0
1998	0	0	6.12	0
1999	0	0	5.89	0
2000	0	0	5.77	0
2001	0	0	4.86	0
2002	0	0	5.07	0
2003	0	0	5.29	0
2004	0	0	5.48	0
2005	0	0	5.96	0
2006	0	0	5.84	0
2007	0	0	5.94	0
2008	0	0	6.01	0
2009	0	0	6.07	0
2010	0	0	5.93	0
2011	0	0	6.17	0
2012	0	0	6.21	0
2013	0	0	6.22	0
2014	0	0	6.67	0

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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	0.66	0	59	0	8867.1
1991	0.65	0	59	0	9029.1
1992	0.6	0	59	0	9734.4
1993	0.55	0	59	0	10639.5
1994	0.52	0	59	0	11274.5
1995	0.5	0	59	0	11700
1996	0.41	0	59	0	14177.2
1997	0.19	0	29.5	0	15431.7
1998	0.19	0	29.5	0	15134.3
1999	0.19	0	0	29.5	15269
2000	0.18	0	0	29.5	16594.3
2001	16.97	16.8	0	2819.5	13791
2002	22.85	22.62	0	3086.83	10419.77
2003	23.42	23.19	0	3215.98	10515.32
2004	23.5	23.08	0	3481.28	11334.67
2005	23.31	23.12	0	3912.58	12872.67
2006	23.64	23.47	0	4389.58	14180.87
2007	4.59	4.39	0	730.14	15187.24
2008	4.99	4.82	0	915.95	17427.33
2009	4.72	4.41	0	893.83	18035.87
2010	6.83	6.39	0	1371.84	18719.06
2011	6.7	6.56	0	1443.47	20099.53

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2012	11.7	11.57	0	2743.22	20701.88
2013	15.72	15.72	0	3927.86	21051.54
2014	10.73	10.73	0	2879.22	23962.38

### Renewable Energy Consumption

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

Year	Electricity (%)	Transport (%)	Heating (%)
2014	0	0	55.92

#### 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	0	0	0	2879.22	0	0	0