

ASIA : INDIA

Gujarat

GDP: **\$147.6bn**Five-year economic growth rate: **3.7%**Population: **63.3m**Total clean energy investment, 2009-2014: **\$6.1bn**Installed power capacity: **30.1GW**Renewable share: **14.8%**Total clean energy generation: **7.2TWh**Top energy authority: **Energy & Petro Chemicals**

Department, Government of India

INDIAN RANKING

2014

2015

OVERALL SCORE

2015

4

6

1.25

OVERVIEW

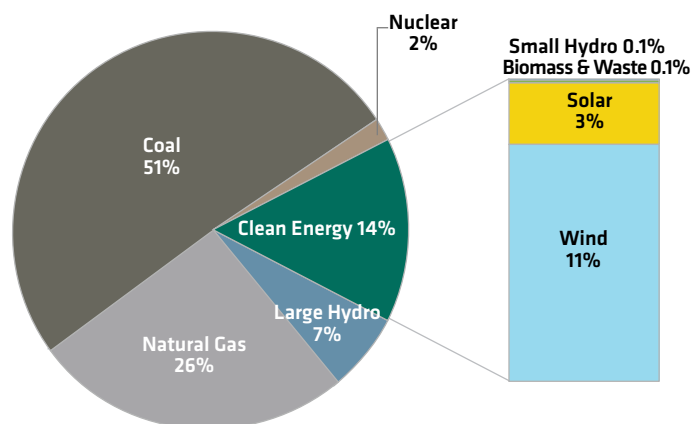
Gujarat is highly industrialized, progressive, has excess power generating capacity, and can claim a 100% electrification rate among its citizens. The state is one of the few in India to feature private distribution utilities – the only ones rated 'A+' by the Ministry of Power in 2013.

Of Gujarat's total 30GW of capacity, half is represented by coal. Gujarat also has 7.8GW of gas – more than any other state and over half India's total capacity. Renewables at 4.4GW represent 14% with wind accounting for most at 3.5GW. Gujarat now faces challenges accommodating an even a larger share of wind and trying to encourage forecasting for better planning and management.

The state has 902MW of solar installed. That is more than any other state as of year-end 2014 but Rajasthan is well on track to surpass it in 2015. Most of the solar was installed in 2012 as the state offered a very attractive feed-in tariff under a policy established in 2009. The state has since stopped permitting any new utility-scale solar projects on concerns of the utility overpaying generators. However, projects permitted under other programs such as the National Solar Mission can still be developed and with a new national 100GW solar goal announced, Gujarat is now contemplating a new solar policy in 2015.

INSTALLED POWER CAPACITY BY SOURCE, 2014 (%)

30.1GW total installed capacity

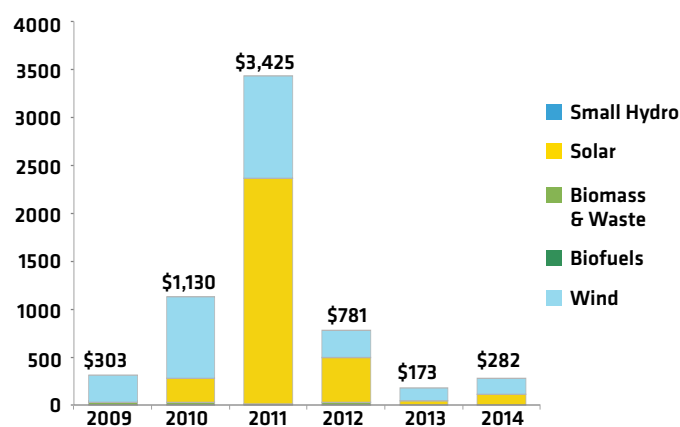


Source: Bloomberg New Energy Finance, Central Electricity Authority, Ministry of New and Renewable Energy, Nuclear Power Corporation of India

Note: Negligible values for oil & diesel cannot be graphically represented due to scale, see source data for the complete numbers.

ANNUAL INVESTMENT IN CLEAN ENERGY, 2009-2014 (\$m)

\$6.1bn total cumulative investment



Source: Bloomberg New Energy Finance

Notes: Total investment includes: Asset Finance, Corporate Finance and Venture Capital / Private Equity Commitments.

For further information, access www.global-climatescope.org/gujarat