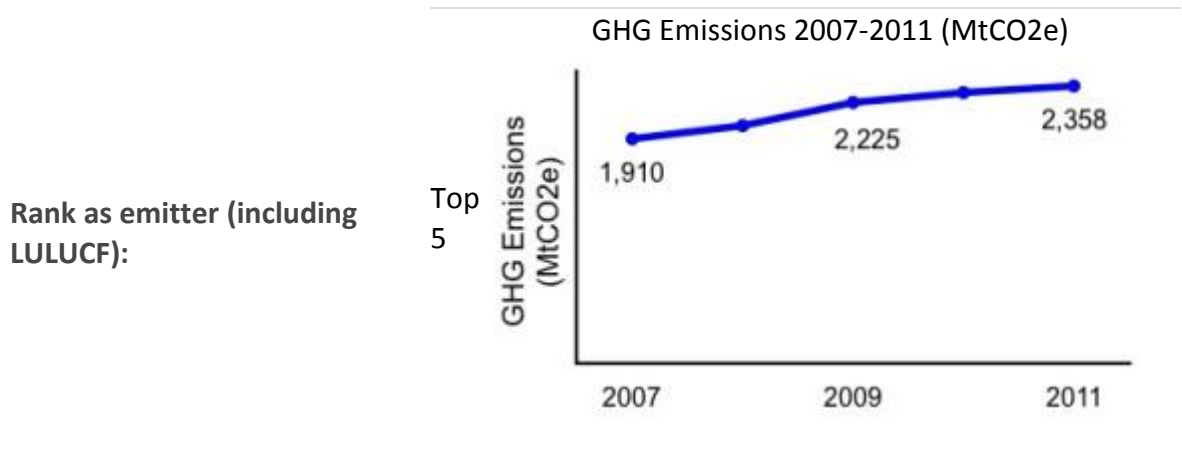


Emissions



Country-reported GHG emissions (incl. LULUCF) (MTCO₂): 1301.2 (reporting year: 2000)

Country-reported GHG emissions (excl. LULUCF) (MTCO₂): 1523.77 (reporting year: 2000)

Information

GHG inventory: 2000 (Second National Communication 2012)

Climate risk assessment: Climate Change and India: A 4X4 Assessment. A Sectoral and Regional Analysis for 2030 (2010)

Targets

Economy wide targets - Up to (and including) 2020

Reduce emissions intensity of GDP 20-25% by 2020 (from 2005 levels, excludes emissions from agriculture)

Source:

- Copenhagen Climate Change Summit pledge (2009)

Economy-wide targets - Beyond 2020

None

Targets - Energy demand

None

Targets - LULUCF

Increase forest/tree cover on 5m ha of forest/non-forest lands and improve quality of forest cover on another 5m ha ; Improve ecosystem services including biodiversity, hydrological services and carbon sequestration; Enhance annual CO2 sequestration by 50-60m tonnes by 2022

Source:

- [National Action Plan on Climate Change, \(2008\)](#)

Targets - Renewables

Increase share of renewable energy in the national grid to 5% in 2010, increasing by 1% every year to reach 15% by 2020; Create an enabling policy framework for the deployment of 20GW of solar power by 2022; Ramp up utility grid-connected solar power including rooftop generation to 1.1GW by 2013, 10GW by 2017 and 20GW by 2022 through the mandatory use of renewable purchase obligation by utilities backed with a preferential tariff; Promote programmes for off-grid applications, reaching 1GW by 2017 and 2GW by 2022; Install 15m m2 solar thermal collector area by 2017 and 20m m2 by 2022; Deploy 20m solar lighting systems for rural areas by 2022; 9GW grid-connected and 800MW off-grid solar power by 2017; Solar power is to comprise 0.25% of power purchases by states by 2013, and 3% by 2022

Source:

- [National Action Plan on Climate Change, \(2008\)](#)
- [Tariff Policy 2006, \(2006\)](#)

Targets- Transport

20% blending of biofuels, by 2017, both for bio-diesel and bio-ethanol

Source:

- [National Policy on Biofuels, \(2009\)](#)

Policies

GHG Mitigation framework

National Action Plan on Climate Change (2008)

Source:

- [National Action Plan on Climate Change, \(2008\)](#)

Adaptation framework

National Action Plan on Climate Change (2008)

Source:

- [National Action Plan on Climate Change, \(2008\)](#)

Policies - Carbon pricing

Levy on coal, feeds the National Clean Energy Fund (2010)

Source:

- Budget Speech 2010-2011, 1st union budget announcement 2014-2015 (2014)

Policies - Promotion of low-carbon energy (inc. renewables)

Promotion of cogeneration and renewable sources by purchase obligation for utilities backed with a preferential tariff; Support for technological improvements of power stations (clean-coal technologies; Renovation of thermal power and hydro-electric power plants; Retirement of old and inefficient thermal plants; Generation and energy efficiency measures; Efficient use of resources including combined cooling heating and power; Distributed generation; Coal quality improvement); 'Solar Mission' project (promotes solar electricity generation to make solar energy competitive with fossil-based energy in the long term through reverse auction mechanisms, subsidy in the form of Viability Gap Funding, preferential tariffs, duty exemptions, innovation subsidies and scholarships)

Source:

- [Electricity Act 2003, \(2003\)](#)
- [National Electricity Plan \(Generation\), \(2012\)](#)
- [National Action Plan on Climate Change, \(2008\)](#)

Policies - Energy demand

Energy savings certificates and their trading; Energy consumption norms for large energy consumers; New buildings to follow the Energy Conservation Building Code (performance standards); Energy performance standards and labels for appliances; National Mission for Enhanced Energy Efficiency (including the Perform, Achieve and Trade market-based scheme for energy-intensive industries); National Mission on Sustainable Habitat (promotes energy efficiency as an essential component of urban planning)

Source:

- [Energy Conservation Act, \(2001\)](#)
- [National Action Plan on Climate Change, \(2008\)](#)
- [Energy Conservation Building Code, \(2007\)](#)

Policies - Transport

Promotion of fuels derived from non-edible plants, waste, degraded or marginal lands to support biofuels; Minimum support price for non-edible oil seeds, minimum purchase price for fuel; Mandatory 10% blending of ethanol; Pricing incentives for purchase of efficient vehicles; Incentives for the use of public transportation; Fuel standards

Source:

- [National Policy on Biofuels, \(2009\)](#)
- [National Action Plan on Climate Change, \(2008\)](#)
- [National Auto Fuel Policy, \(2003\)](#)

Policies - LULUCF

National Mission for a Green India (sets afforestation targets and support); National Adaptation Fund (created 2014)

Source:

- [National Action Plan on Climate Change, \(2008\)](#)