

Annual Emissions GtCO₂-eq

MIT Scenarios

- No Climate Policy
- Copenhagen Pledges
- Estimated Paris Pledges
 - Pledges through 2030
 - No further policy beyond pledges
- EM EO 2016
 - Increasing policy through 2050

Range of 3rd Party Estimates

IPCC 2°C Scenarios

2010 2020 2030 2040 2050

Sources: MIT Joint Program on Climate Science and Policy, 2016; BP/IEA 2014, IPCC 2014, GIEP 2015, and the Rapid 2015. Note: ExxonMobil estimates post-2040, EM EO includes estimate of non-energy related emissions.

EM EO 2016

UNFCCC/CP/2015/L.9/Rev.1: "17. Notes with concern that the estimated aggregate greenhouse gas emission levels in 2025 and 2030 resulting from the intended nationally determined contributions do not fall within least-cost 2DC scenarios... also notes that much greater emission reduction efforts will be required than those associated with the intended nationally determined contributions in order to hold the increase in the global average temperature to below 2DC above pre-industrial levels ..."

HCOR