

The land sector in a post-Paris world

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Paris Agreement



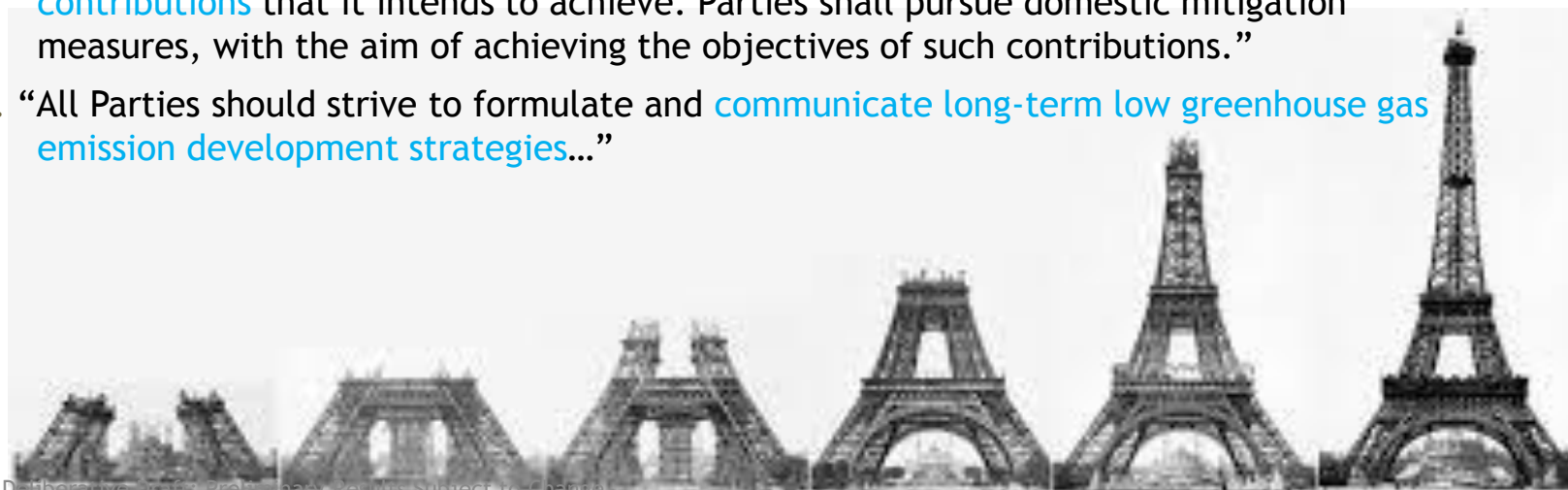
COP21·CMP11
PARIS 2015
UN CLIMATE CHANGE CONFERENCE

Article 2

1. “This agreement...aims to strengthen the global response to the threat of climate change...by:
 - (a) Holding the increase in the global average temperature to **well below 2 °C above pre-industrial levels and to pursue efforts to limit the temperature increase to 1.5 °C above pre-industrial levels...**”

Article 4

1. “In order to achieve the long-term temperature goal set out in Article 2, Parties aim to reach **global peaking of greenhouse gas emissions as soon as possible...**and to undertake rapid reductions thereafter...so as to achieve a **balance between anthropogenic emissions by sources and removals by sinks** of greenhouse gases in the second half of this century”
2. “Each Party shall prepare, communicate and maintain successive **nationally determined contributions** that it intends to achieve. Parties shall pursue domestic mitigation measures, with the aim of achieving the objectives of such contributions.”
19. “All Parties should strive to formulate and **communicate long-term low greenhouse gas emission development strategies...**”

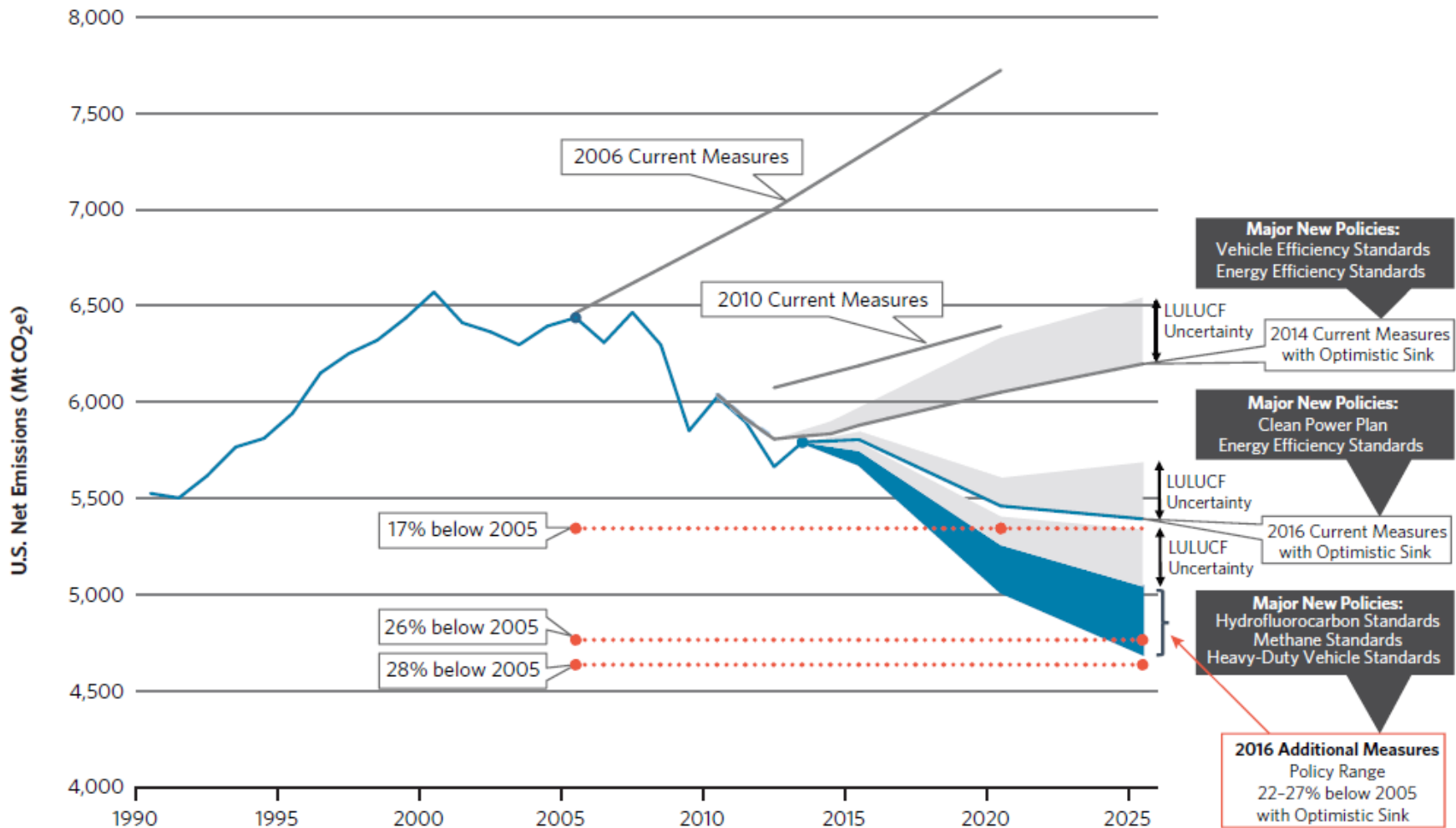


U.S. 2016 Biennial Report

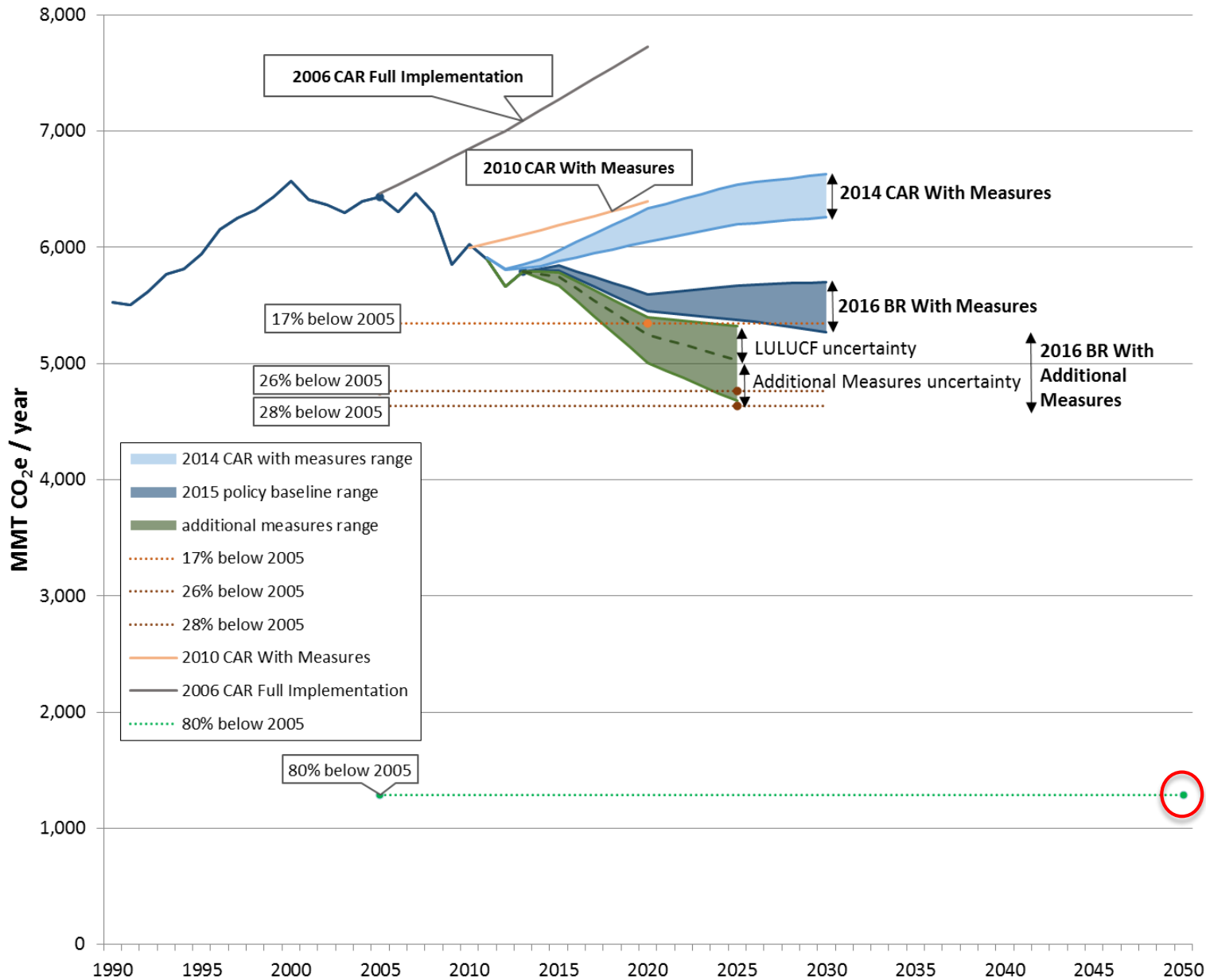


Figure 6 U.S. Emissions Projections—2016 Current Measures Compared with Potential Reductions from Additional Measures Consistent with the Climate Action Plan

Also shown are previous projections from the 2006, 2010, and 2014 U.S. Climate Action Reports, which demonstrate the dramatic ratcheting down of projected U.S. emissions over the past decade.



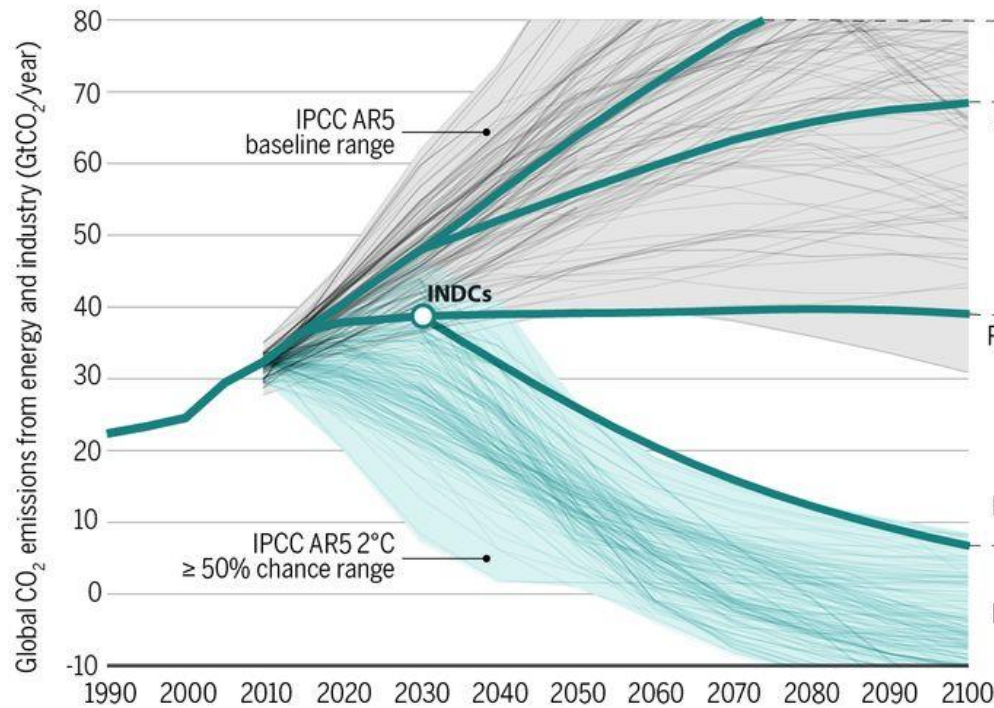
U.S. 2016 Biennial Report



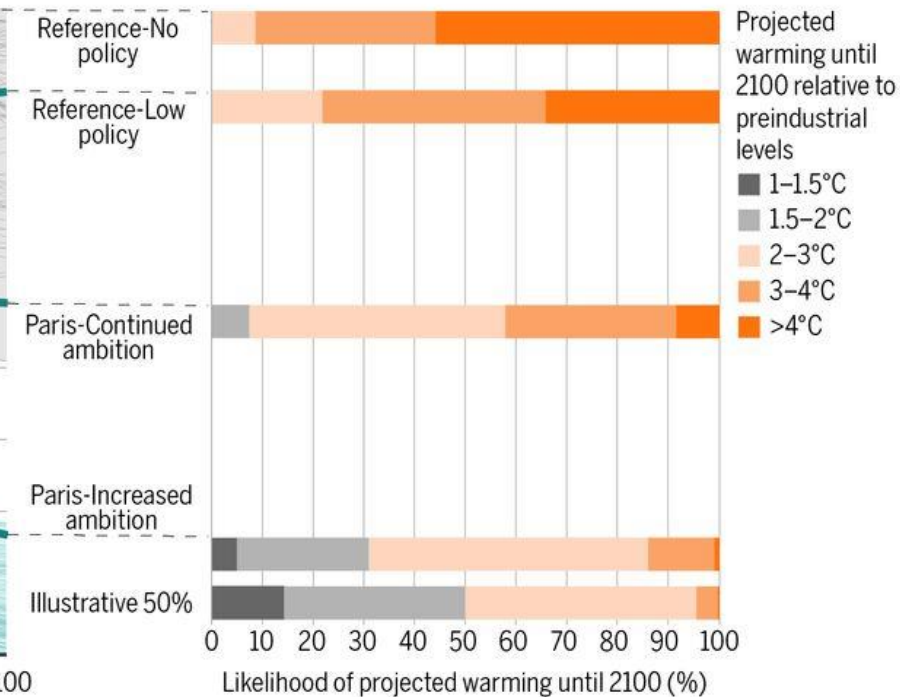
Can Paris pledges avert severe climate change?

Reducing risks of severe outcomes and improving chances of limiting warming to 2°C

A Emissions pathways



B Temperature probabilities



- ▶ While the INDCs are defined no further into the future than 2030, along with the Paris framework they nonetheless reshape the range of options available to future decision makers.
- ▶ We need to assess the contribution of Paris from a risk management perspective.
- ▶ If the INDCs are followed by similar increases in ambition after 2030, then they could lead to substantial reductions in the likelihood of global average temperature change greater than 4°C.
- ▶ The INDCs also leave the door open to increased ambition which would increase the likelihood climate less than 2°C