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Making a Clean Future Real: How to Best Combine Gas and Renewables?

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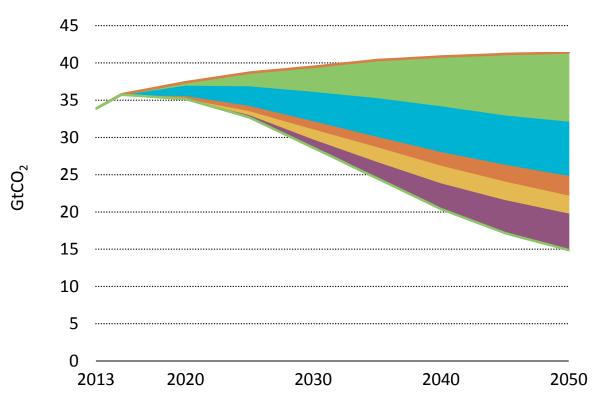
The IEA works around the world to support an accelerated clean energy transition that is

enabled by real-world SOLUTIONS supported by ANALYSIS and built on DATA

Sizing the scale of the challenge... ... and its solutions ...



Contribution of technology area to global cumulative CO₂ reductions

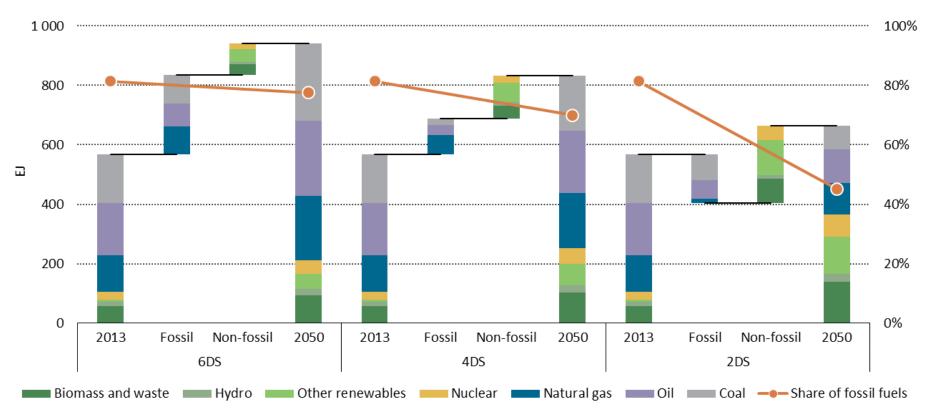


The carbon intensity of the global economy can be cut by ETF two-thirds through a diversified energy technology mix 201

... looking at a multitude of sustainable energy options ...



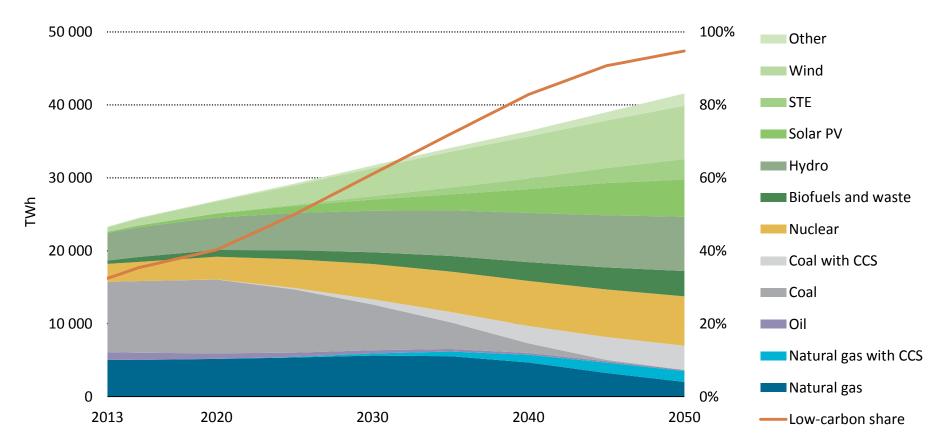
Primary energy mix in the ETP scenarios



Fossil fuels remain an important part of global energy supply in the 2DS with a 45% share in 2050

... as well as how to implement them ...





Generation today:
Fossil fuels: 68%
Renewables: 22%

Generation 2DS 2050: Renewables: 67% Fossil fuels: 17%



... through systemic analysis of options

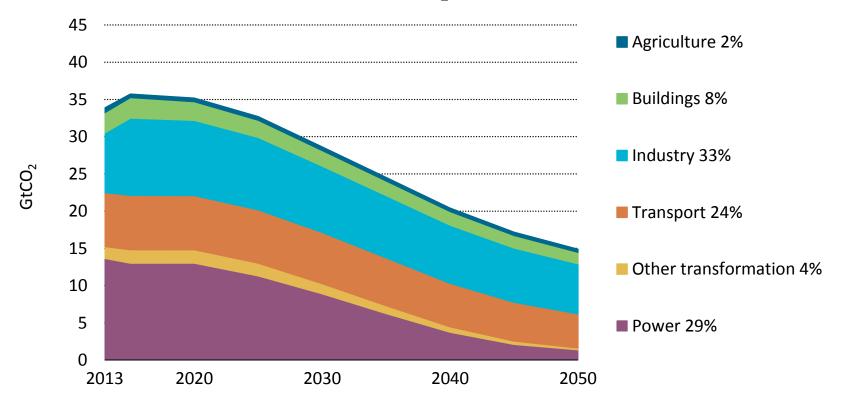




But the challenge increases to get from 2 degrees to "well below" 2 degrees



Energy- and process-related CO_2 emissions by sector in the 2DS



Industry and transport account for 75% of the remaining emissions in the 2DS in 2050.

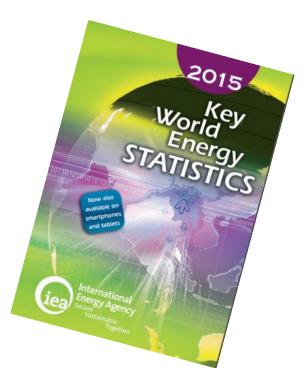
ETP 2016 • OECD/IEA, 2016





Explore the data behind ETP





www.iea.org/etp

www.iea.org/statistics