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Energy Policies of IEA Countries Global energy market trends

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Changing global energy outlook



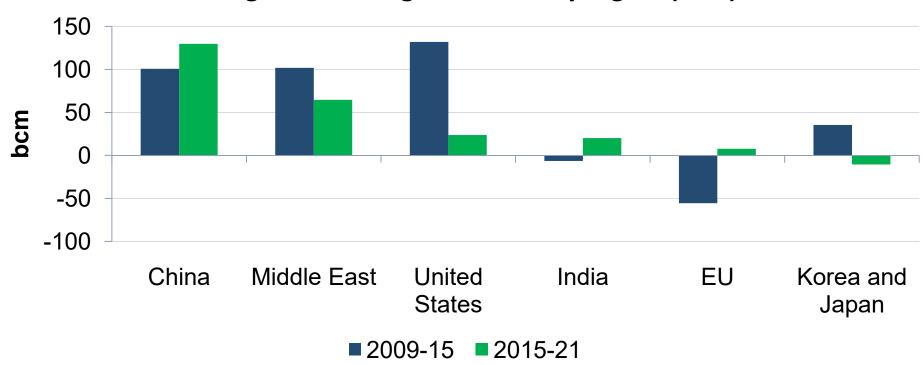
- China & developing Asia drive global demand: China's transition to a more diversified & less energy-intensive growth model impacts energy markets
- The natural gas landscape is changing: Ample low cost LNG supplies available for gas consumer markets opportunity for competition and diversification
- Low oil prices bring gains to consumers, but can also sow the seeds of future risks to energy security and the energy transition due to lower investment
- Paris Agreement: the energy transition is underway, but not on track and governments need to ring-fence policies against market swings
- Global energy efficiency: energy savings are accelerating, despite low price environment, and are a central element in climate change responses.
- Progress in innovation in solar PV and wind technologies brings down costs.

demand, as the United States takes a back



seat



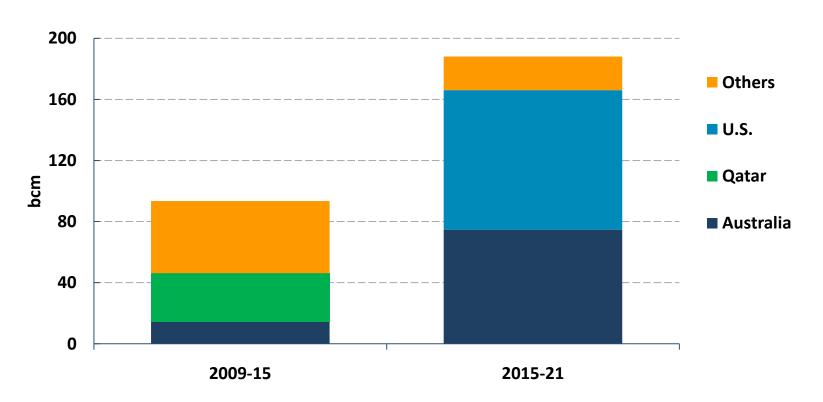


US gas demand growth slows sharply, driven by stagnation in the power sector; EU gas demand gradually recovers on coal & nuclear power plant retirements

Global LNG export capacity increases



Liquefaction capacity additions

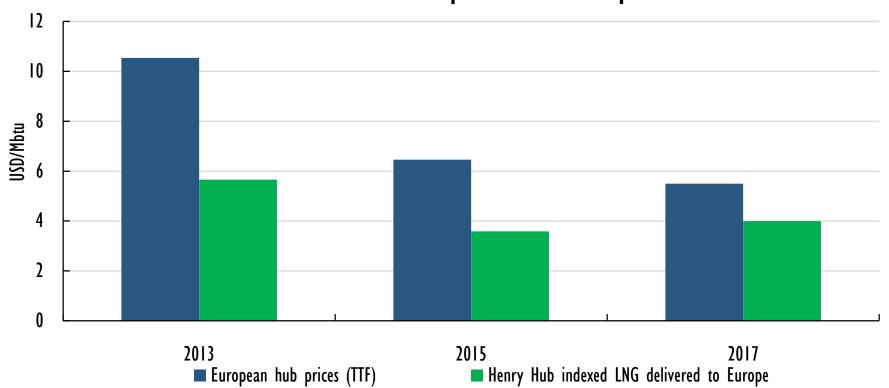


LNG capacity additions will be led by the US & Australia over the next five years. Growing opportunities for Europe to benefit from competitive prices.

Greater competition is coming to the European gas market



US LNG is competitive in Europe

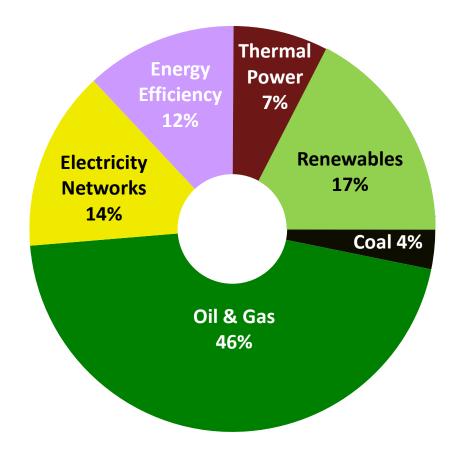


Oversupply in global LNG markets will intensify competition; flexible US LNG volumes are well-placed to compete in Europe

Investment flows signal a reorientation of the global energy system



Global Energy Investment, 2015: USD 1.8 trillion

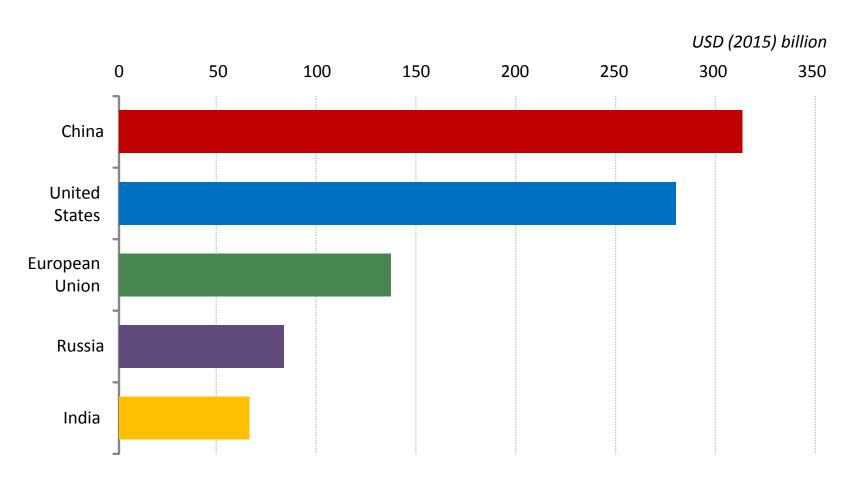


An 8% reduction in 2015 global energy investment results from a \$200 billion decline in fossil fuels, while the share of renewables, networks and efficiency expands

Top five markets comprised over half of global energy supply investment



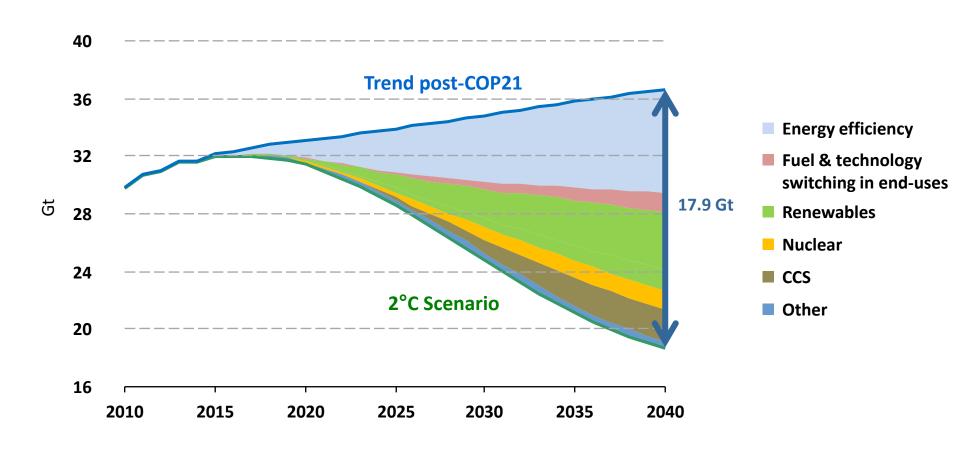
Energy supply investment in 2015, selected markets



Boosted by record power sector spending, China regains its position as top investment market, while the US declines due to sharply lower oil and gas investment

Greater efforts are still needed to reach a 2°C pathway



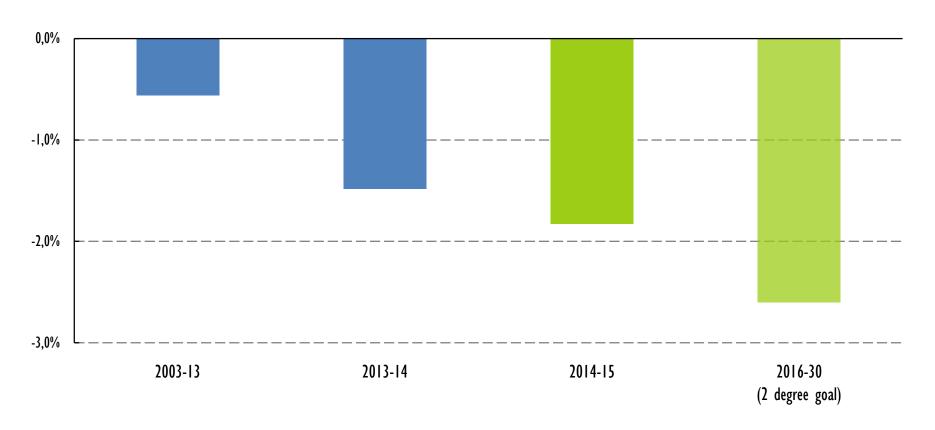


Energy efficiency & renewables account for the bulk of the additional emission reductions required for a 2°C pathway, but all forms of clean energies are needed

Energy intensity is improving but not fast enough



Global annual energy intensity gains

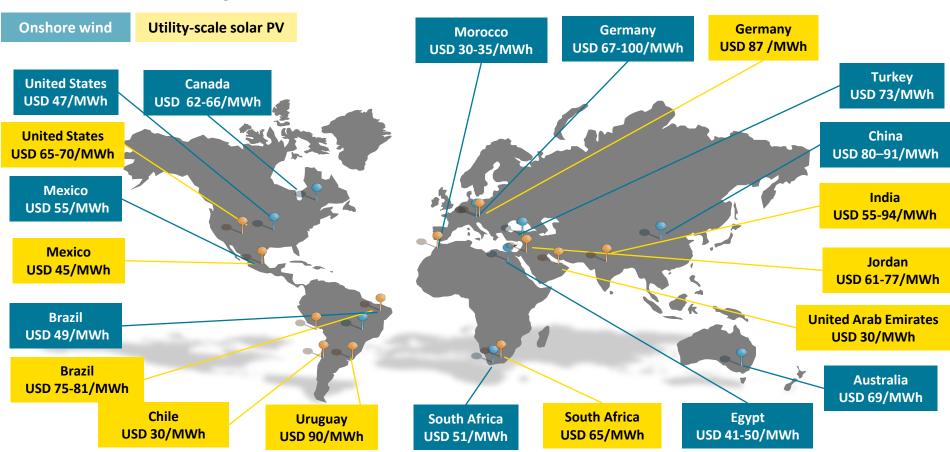


In 2015, global intensity improved by three times the average of the last decade, despite a low price environment. Intensity gains need to increase to 2.6% to achieve our climate goals.

Technology cost and prices are coming down iea



Recent announced long-term contract prices for new renewable power to be commissioned over 2016-2019



This map is without prejudice to the status or sovereignty over any territory, to the delimitation of international frontiers and boundaries and to the name of any territory, city or area

Note: Values reported in nominal USD includes preferred bidders, PPAs or FITs. US values are calculated excluding tax credits. Delivery date and costs may be different than those reported at the time of the auction.

Best results occur where price competition, long-term contracts and good resource availability are combined

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Thank you for your attention.