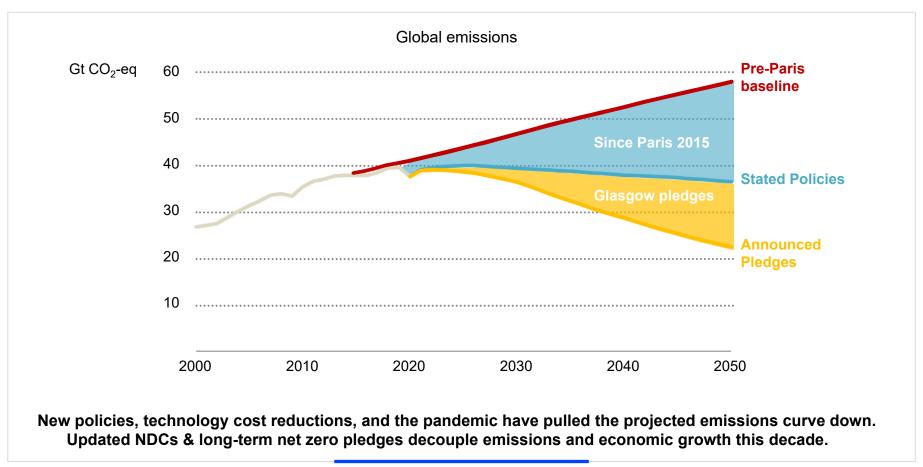
World Energy Outlook 2021

27 October 2021

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Context

- In the run-up to a crucial COP26 meeting in Glasgow:
 - Economic recovery is putting gas, coal & power markets under strain, with sharp spikes in prices
 - Weather-related factors are having large implications for the energy sector
 - <u>A new global energy economy is emerging</u>, with wind, solar & EVs all setting new records
 - The shadow of the pandemic still looms large, and has set back progress on energy access
- Climate ambitions have never been higher, but the energy & emissions data does not match the rhetoric
- This special edition of the WEO explores the transformation of the energy sector in detail, examining:
 - Where the world is heading, and how this changes if countries meet all their announced pledges
 - How the world can keep the door to 1.5 °C open, following the IEA's landmark net zero by 2050 roadmap
 - The opportunities and benefits that lie along the way, as well as the implications for energy security

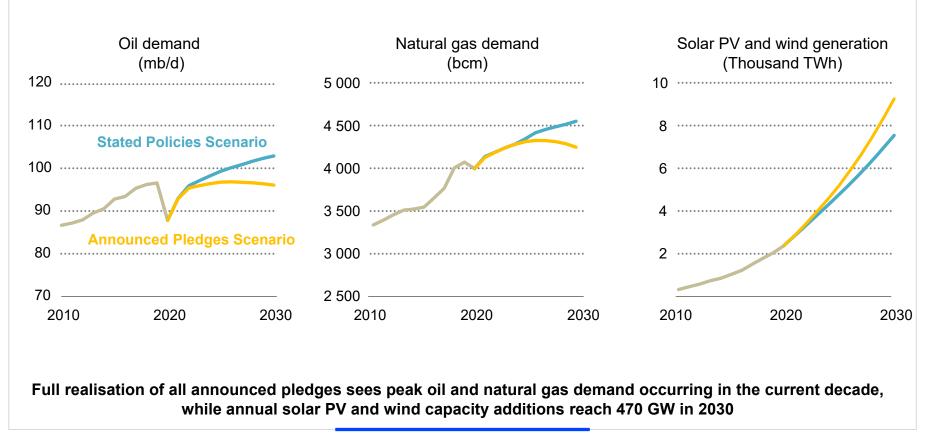


The world is starting to bend the emissions curve

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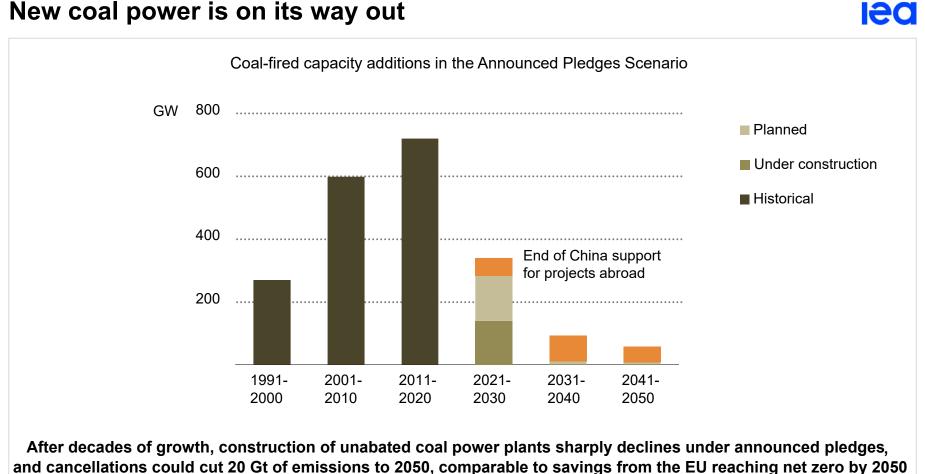
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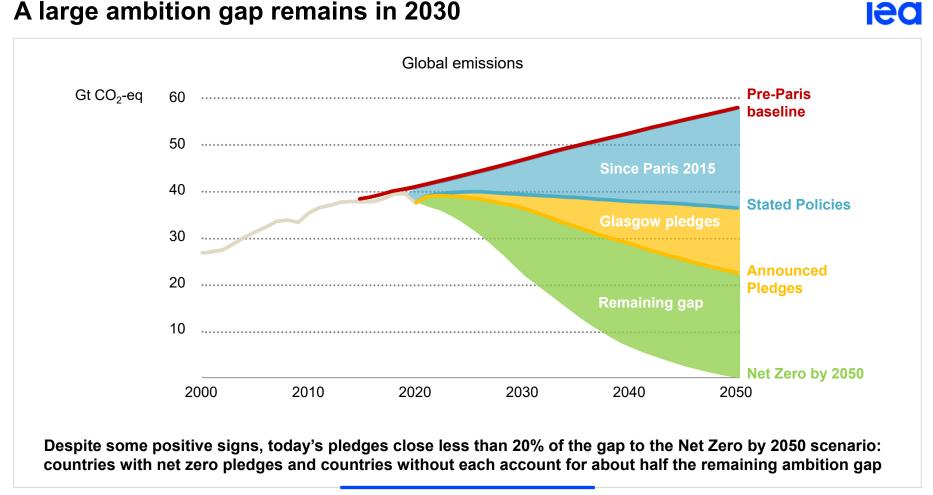


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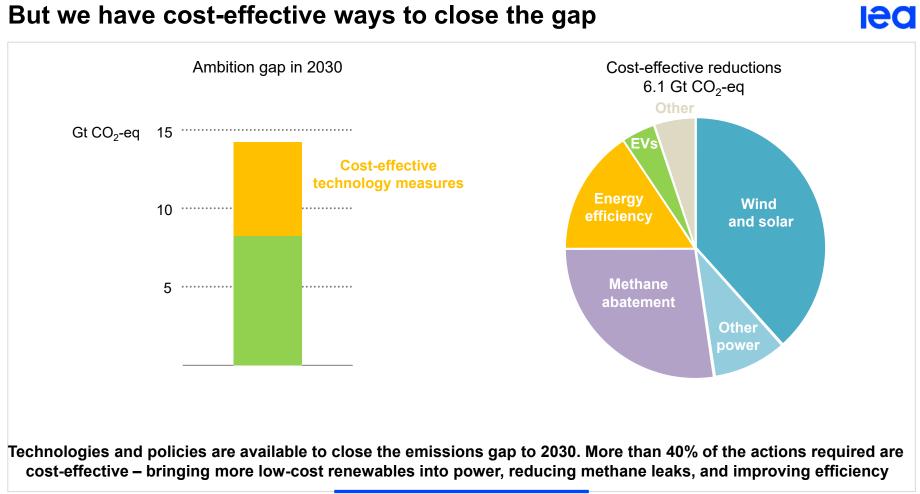
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New coal power is on its way out

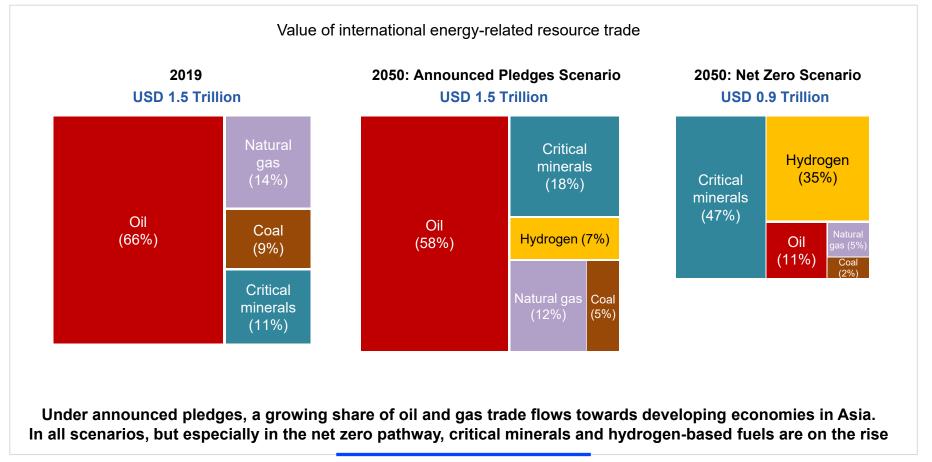


A large ambition gap remains in 2030

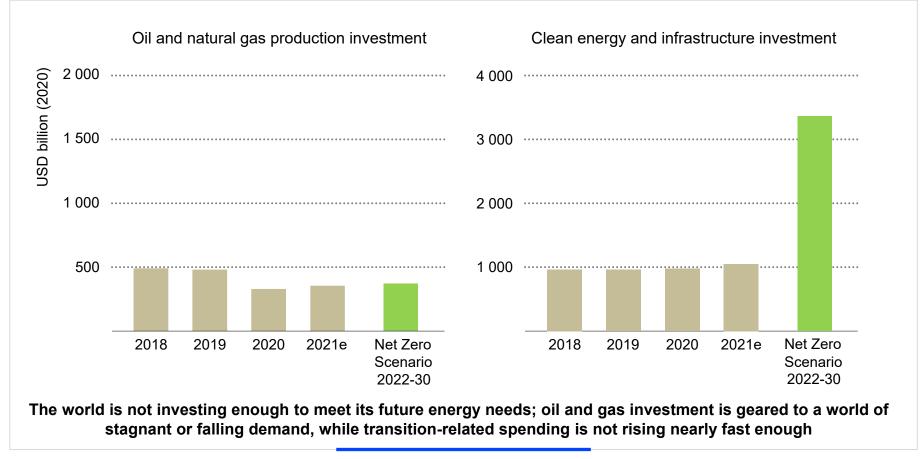






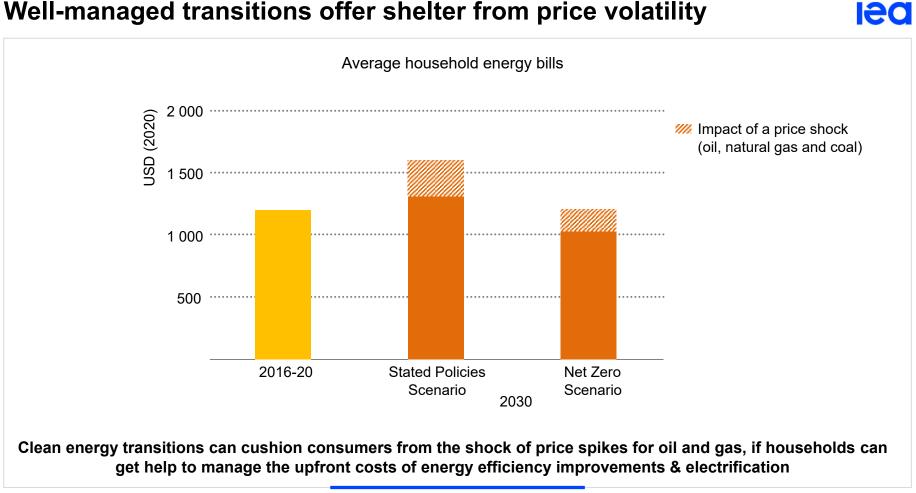


Looming risk of more turbulence ahead for energy markets

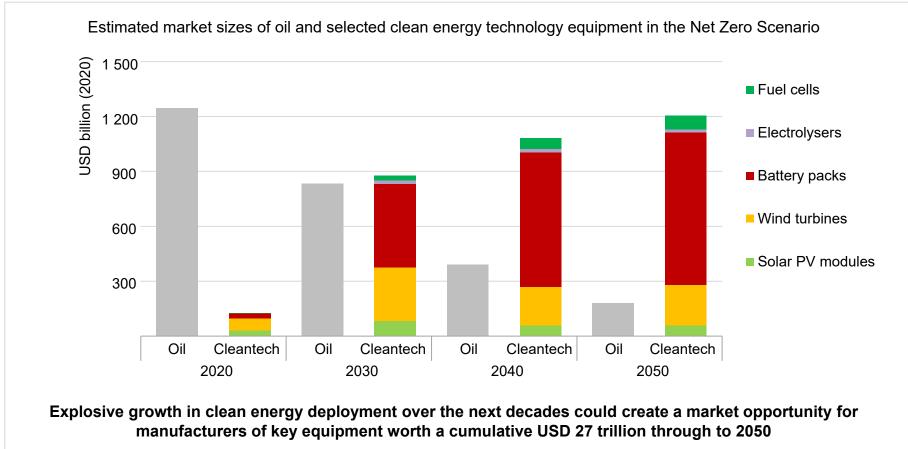


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Well-managed transitions offer shelter from price volatility



A new global energy economy is emerging

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Conclusions

- The transition to a sustainable energy system is the solution to the turbulence that we are seeing in gas, coal and electricity markets today not the cause
- A laser-like focus on clean electrification, energy efficiency, methane abatement & innovation can close the near-term gap with a 1.5°C future; cost-effective solutions are available & every country needs to step up
- The longer today's mismatch in energy investment persists, the greater the risks to energy security & price volatility. A massive policy-driven surge in clean energy transitions is the way forward
- A new global energy economy is emerging, one that will be more electrified, efficient, digitalised & clean offering enormous potential for growth and employment
- Governments have unrivalled capacity to transform the energy sector: a wave of investment in a net zero future must be driven by an unmistakeable signal from Glasgow

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