

Power Systems Transformation – Quote List

“Multiple technologies, including nuclear and geothermal, may play a role in zero-carbon power systems. But wind and solar will be the dominant source of power in most countries, providing 70% or more of electricity at costs at or below today’s fossil-based systems. In particular, in the global sunbelt, the collapsing cost of solar PV and batteries makes possible far cheaper and more rapid growth in green electricity supply than seemed feasible 10 years ago. But wind belt countries can also achieve cost-effective decarbonisation by leading in offshore wind, long-duration storage, and grid innovation.” said **Adair Turner, Chair of the Energy Transitions Commission.**

“Clean industry is the third pillar of the energy transition, critical to producing the materials, chemicals and fuels which underpin our everyday lives. Countries with an abundance of sun and wind to produce cheap and reliable clean energy will be well positioned to lead in the clean industrial revolution that is already underway. We are seeing the emergence of a new industrial sunbelt from Brazil to India to Australia, countries with the potential to accelerate this transformation. As solar and battery costs fall, the socio-economic opportunities for these economies rise.” said **Faustine Delasalle, CEO at Mission Possible Partnership and Vice-Chair of the Energy Transitions Commission.**

ETC Members

“Australia is demonstrating what is possible when flexibility is built from the ground up. Community batteries and behind-the-meter storage are already helping households unlock greater value from rooftop solar, reduce pressure on the grid, and share clean, low-cost energy across neighbourhoods. This report rightly recognises the critical role of local flexibility in making energy accessible- putting consumers at the centre of a more resilient, affordable, and decarbonised energy system.” said **Tim Jarratt, Group Executive – Market Development & Strategy at Ausgrid.**

“A renewable-based electricity system will deliver cleaner, more reliable and cheaper electricity than the system we have today, enhancing security of supply and minimising the impact of volatile fossil fuels. To accelerate the energy transition, two urgent actions are needed: first, investment in grid infrastructure to alleviate bottlenecks; and second, boosting electrification across all sectors to extend the benefits of clean electricity to a broader range of energy uses.” said **Agustin Delgado, Chief Technology Officer at Iberdrola.**

“As electricity demand grows and grids expand to support a decarbonised economy, we must modernise our infrastructure and embrace digital and demand-side innovation. Flexibility at every level, on the supply side, but also on the demand side, will be instrumental to make the transition happen. These solutions already largely exist, and will rely on widespread adoption of digital, i.e., modern technologies. This new comprehensive ETC report summarizes the issue at hand but also highlights that, if done well, this transition will ultimately lead to competitive electricity prices for all.” **Jean-Pascal Tricoire, CEO at Schneider Electric.**

“The delivery of a clean power transformation can boost energy security and enable the switch over to clean energy across the economy through electrification.

After the severe impacts of the recent energy crisis felt by homes and businesses across the country, the UK is leading the charge with its Clean Power Mission. Putting in place strategic spatial plans, transforming its electricity grid, accelerating renewables, rolling out CCS and

hydrogen infrastructure, and reforming its electricity market to deliver secure, clean energy cost-effectively.

*This ETC report steps out a comprehensive blueprint for how others can follow suite and drive forward the Global Clean Power Alliance.” said **Alistair McGirr, Group Head of Policy and Advocacy at SSE.***

*“Demand-side flexibility is the most overlooked but powerful tool we have to deliver affordable, zero-carbon energy. This report rightly shows that by shifting when and how we use electricity – through EV charging, and flexible home technology - we can reduce grid strain, cut system costs, avoid trying to build an impossible amount of grid infrastructure, and bring down bills for consumers. However this will require significant changes to policy and market reform.” said **Arthur Downing, Strategy Director at Octopus Energy.***

Other Experts

*“This new report gives further evidence that solar and wind could and should be the backbone of a decarbonised energy system. The report shows how new investment into grids and batteries can get solar and wind electricity to where it is needed and when it is needed, at a reasonable price. Solar and wind will be central to meet rising electricity demand as our economies electrify. This report shows the big prize is not a 100%-clean electricity system, but rather a mostly-clean energy system.” said **Dave Jones, Chief Analyst at Ember.***

“Renewables are the core of the global energy transition, delivering clean, reliable, and affordable power. Wind, solar, hydropower, geothermal, storage and modern grids are transforming electricity systems and opening new opportunities for growth, investment, and energy security.

*To keep this momentum, deployment must advance alongside grid expansion, market reform, and investment. Together, these build competitive, resilient systems that support jobs and economic progress. With governments leading and the private sector supporting, renewables will deliver a clean, secure, and just energy future.” said **Bruce Douglas, CEO at Global Renewables Alliance.***

*“Clean electricity is essential for climate action and is the most affordable way to power economic development. Countries can build resilient economies fit for the future by investing in renewables, grids, and flexibility now. Indeed it is their obligation to do so, according to the recent ICJ advisory opinion. Low-cost, clean power is what people, industry and businesses want. Countries must deliver it now, and this report shows that they can.” said **Christiana Figueres, Founding Partner at Global Optimism.***

Long-Distance Transmission Quotes:

*“This report by ETC builds on a growing body of work that confirms long-distance transmission is a critical enabler for low-cost, high-renewable systems. Interconnection between regions with diverse generation profiles is one of the most powerful tools we have to reduce balancing costs, enhance grid stability, and accelerate electrification.” **Matthew Gray, CEO at Transition Zero.***