



World Energy Outlook 2021

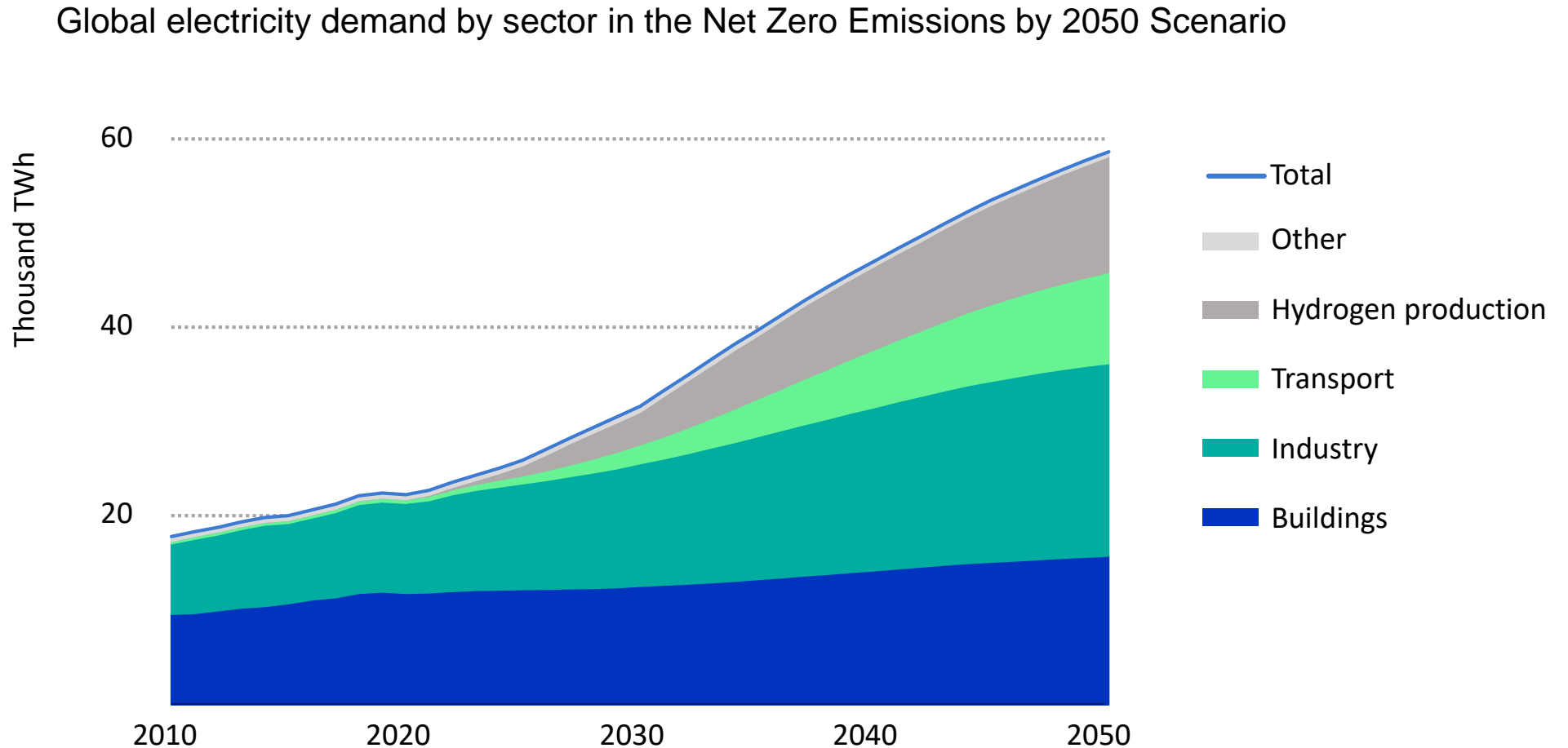
Global Platform of Leading Electricity Distribution Operators

27 January, 2022

Laura Cozzi, IEA Chief Energy Modeler

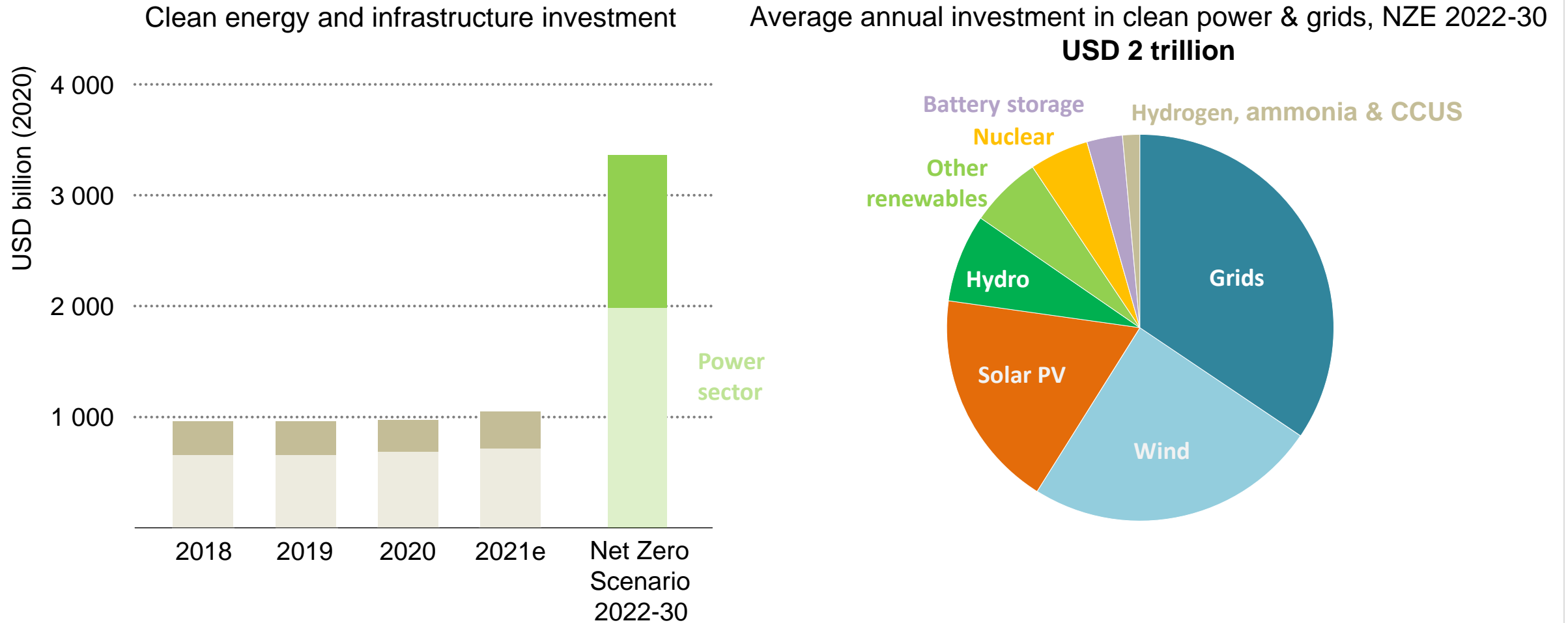
International
Energy Agency

Electrification drives electricity demand growth



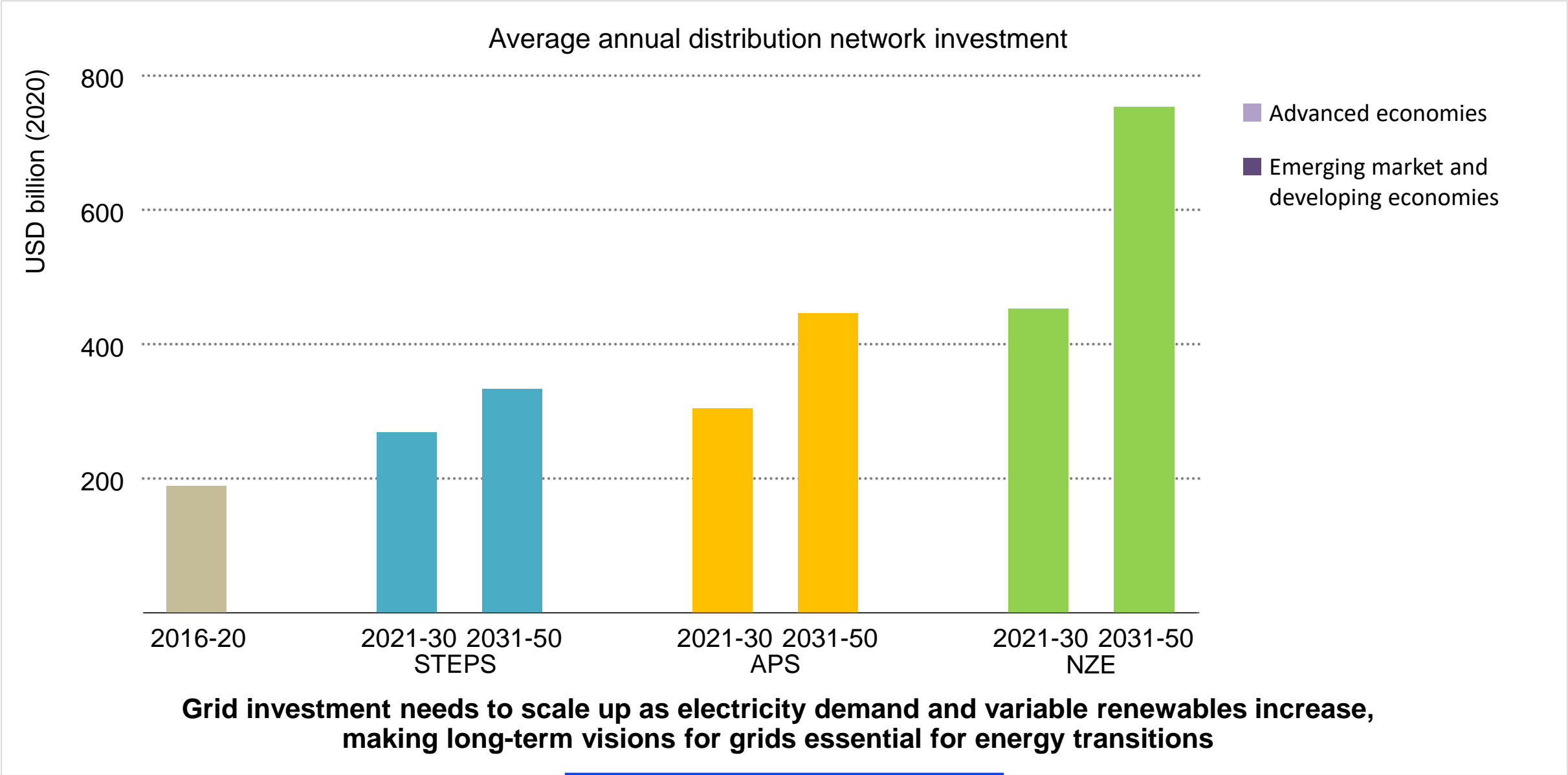
Electricity demand returns to growth on a path to net zero, raising its share to half of final consumption by 2050, driven by electrification of transport & industry and hydrogen production, moderated by energy efficiency

Net zero requires a huge scale up of clean energy investment

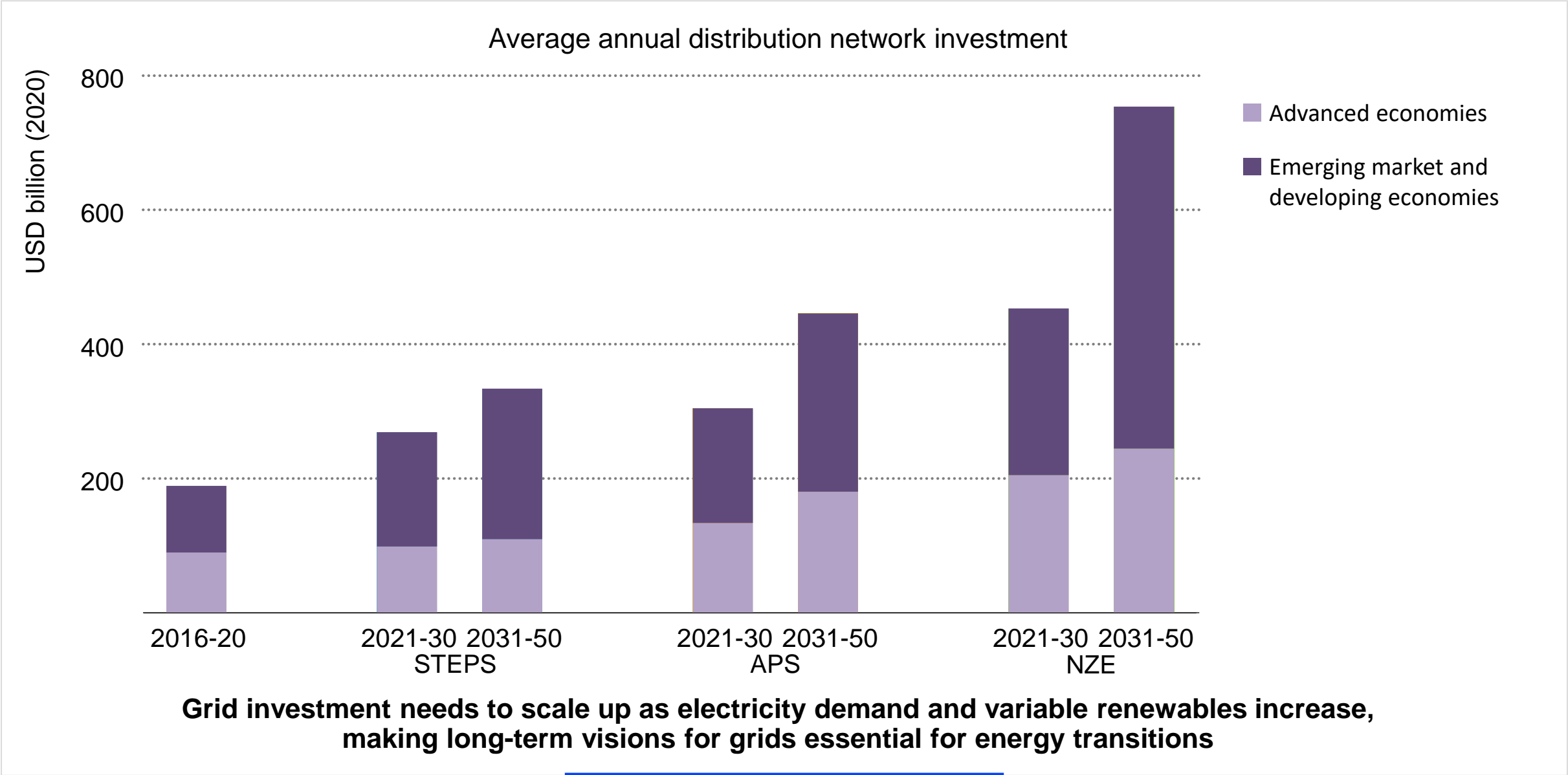


Transition-related spending is not rising nearly fast enough to meet future energy needs, the path to net zero calls for ramping up grids, wind & solar PV, alongside other low emission sources of power

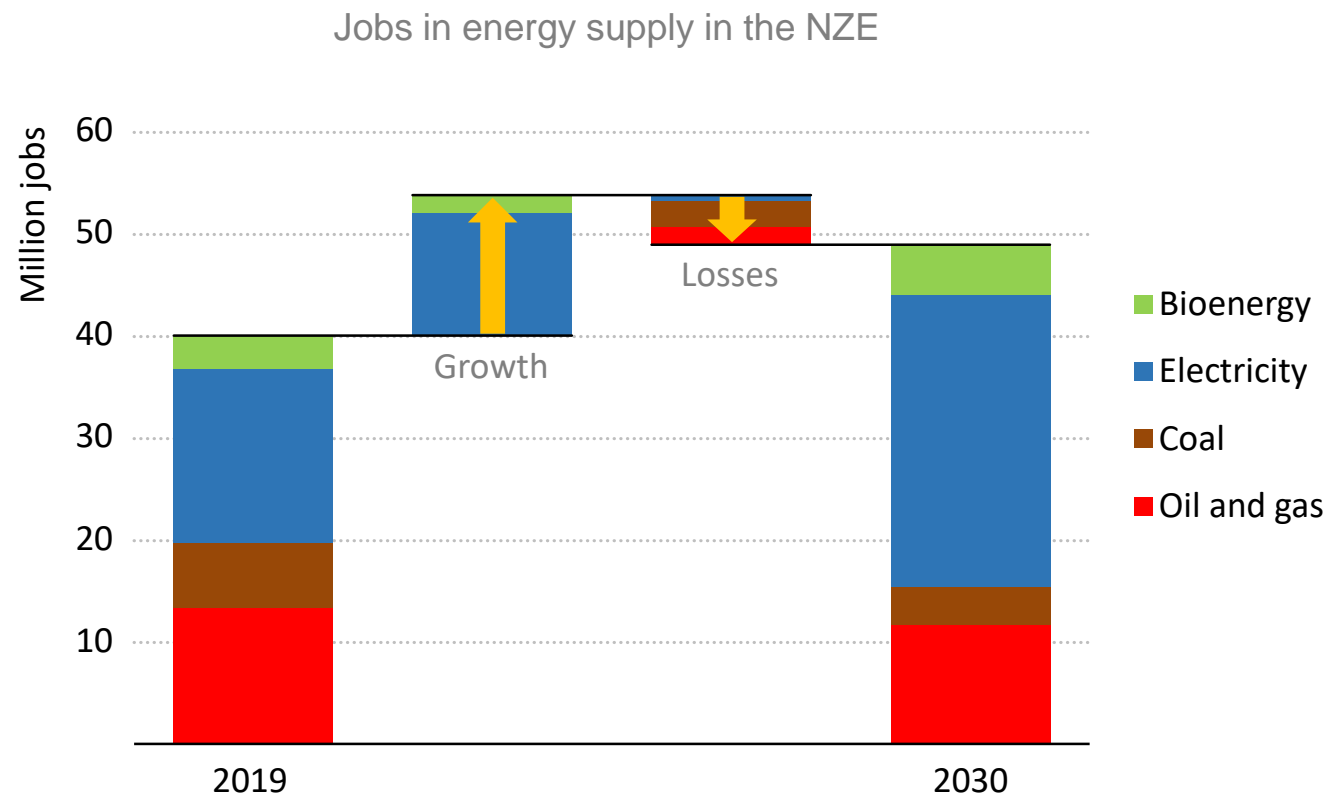
Grid investment must rise to support orderly transitions



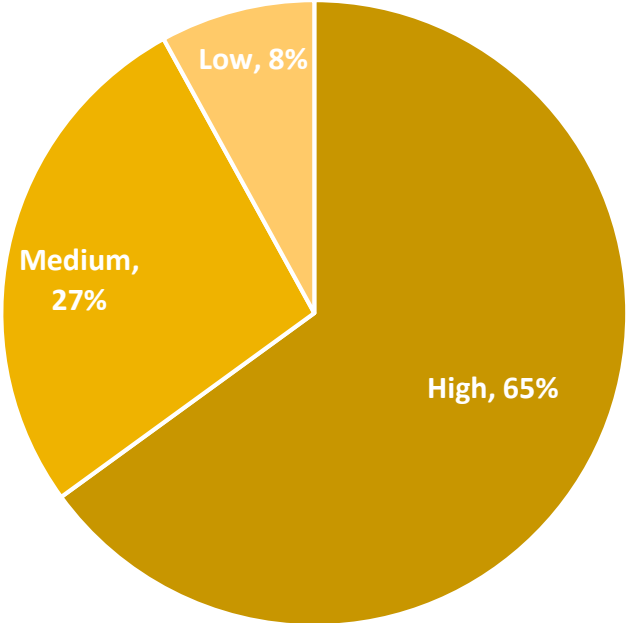
Grid investment must rise to support orderly transitions



Clean energy jobs will grow strongly but must be spread widely



Skill level of new workers in the NZE, 2030



By 2030 there are 14 million jobs created in global energy supply, and a further 16 million in clean energy end-uses; but inclusive policies are needed to support reskilling & diversification in fossil-fuel dependent communities

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