

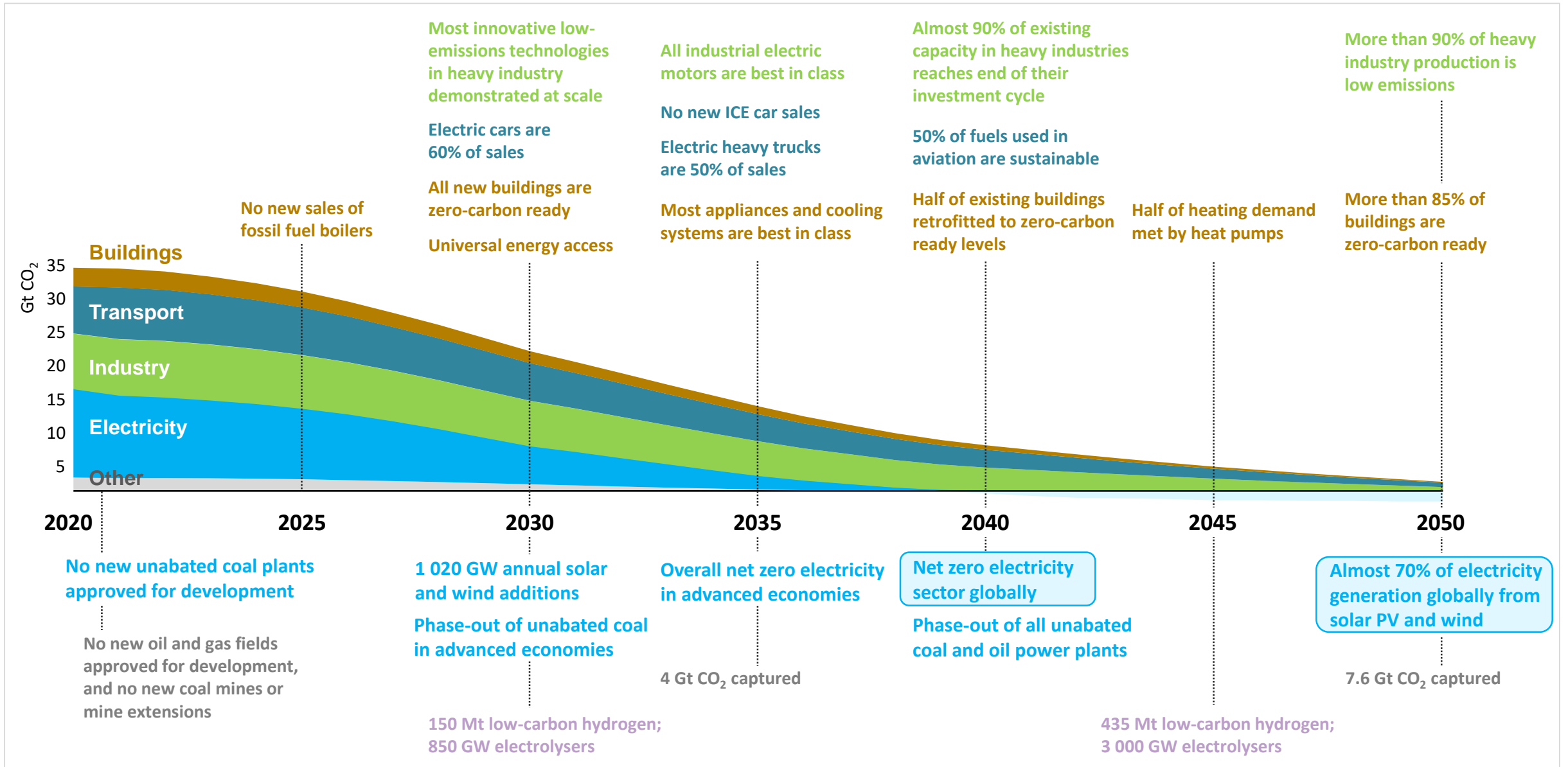


# Net Zero by 2050: Insights on Electricity Markets

CEEM International Conference 22 June 2021

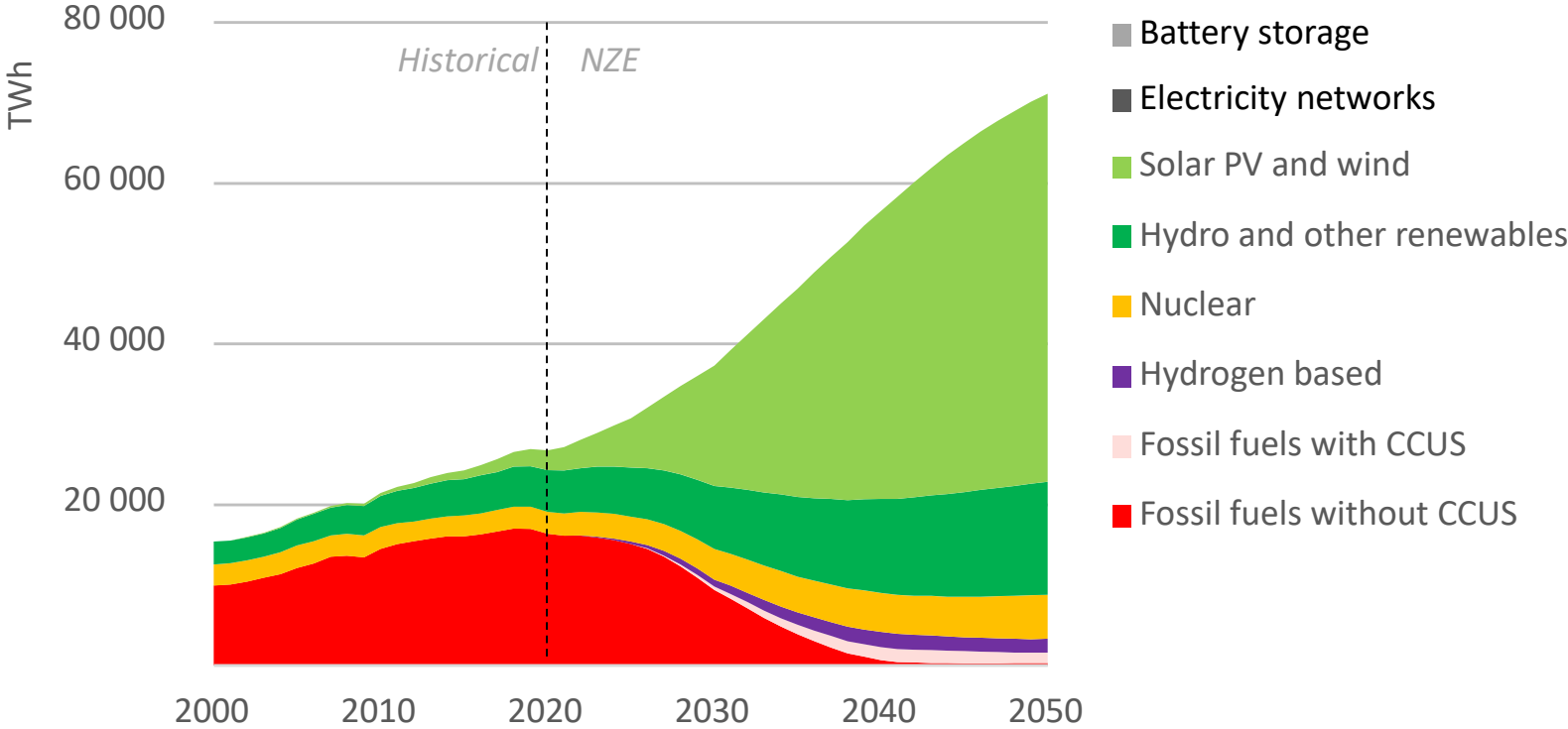
Brent Wanner, Head of Power Sector Unit, World Energy Outlook, IEA

# Set near-term milestones to get on track for long-term targets

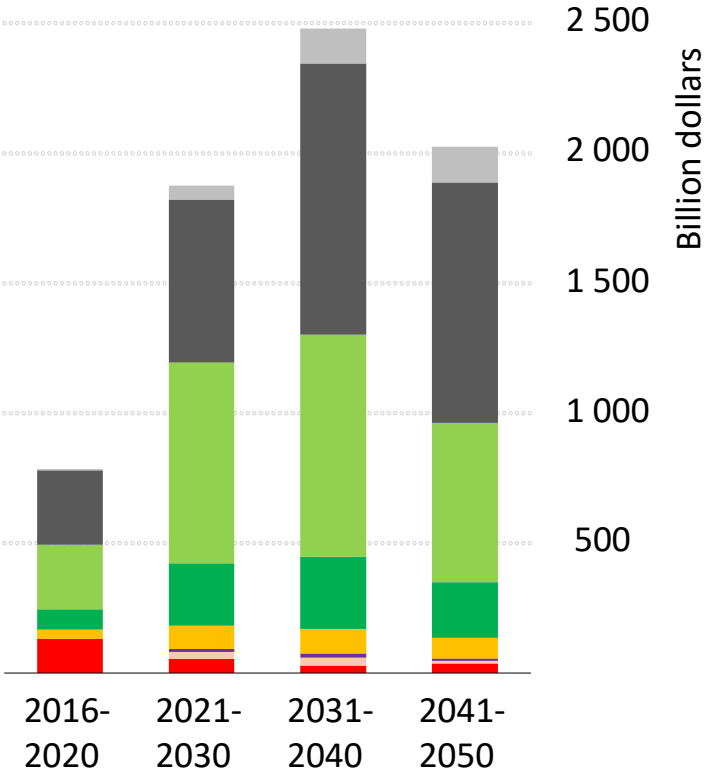


# Electricity leads the way to net zero

Global electricity supply, NZE scenario



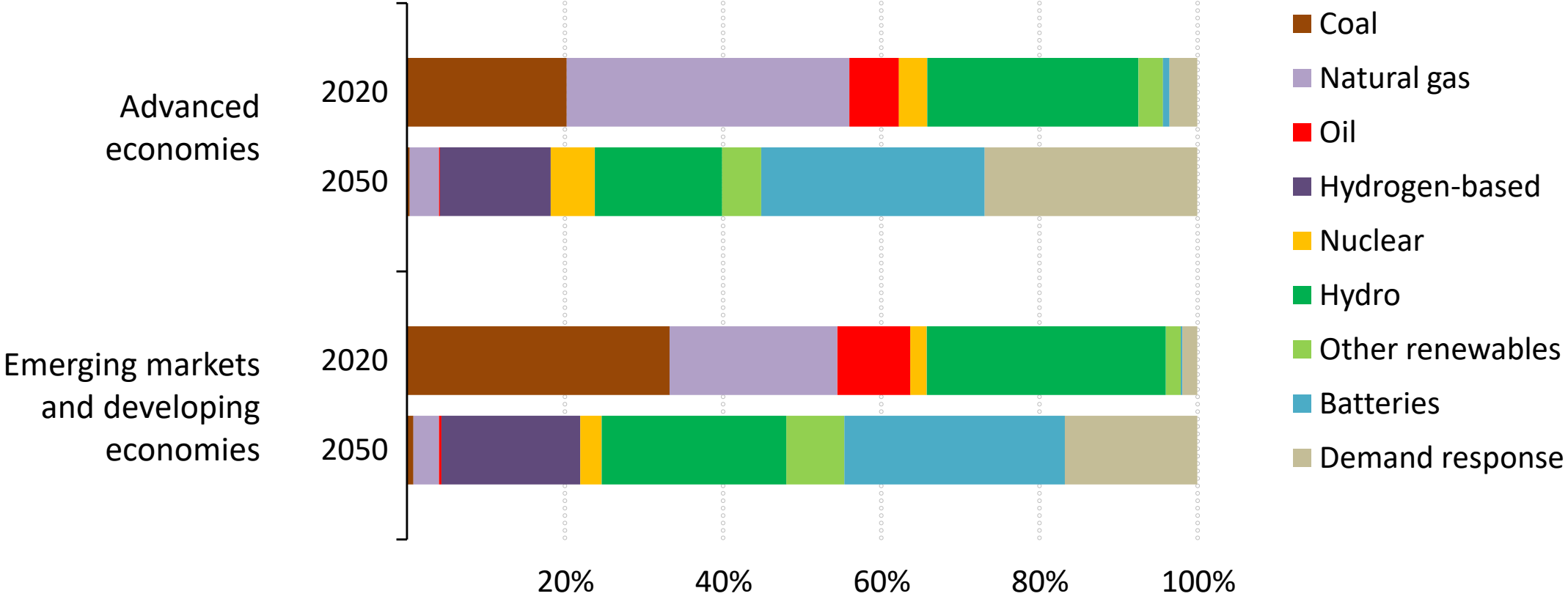
Average annual power sector investment



**In the IEA net zero pathway, renewables reach nearly 90% of electricity generation in 2050, led by solar PV and wind. This calls for more than tripling annual investment in generation, networks and flexibility.**

# Enhance flexibility in electricity systems

Hour-to-hour flexibility by source, NZE scenario



**To meet 4x higher flexibility needs - batteries, demand response, renewables and hydrogen-based fuels step up.**

**iea**