

The role of coal and LNG in Asia's future energy mix: defying the odds?

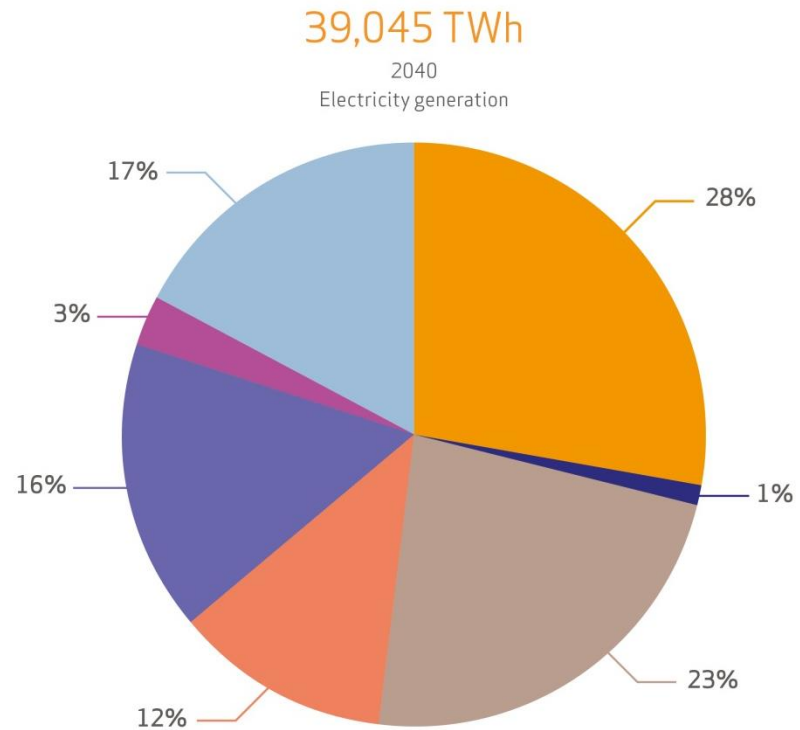
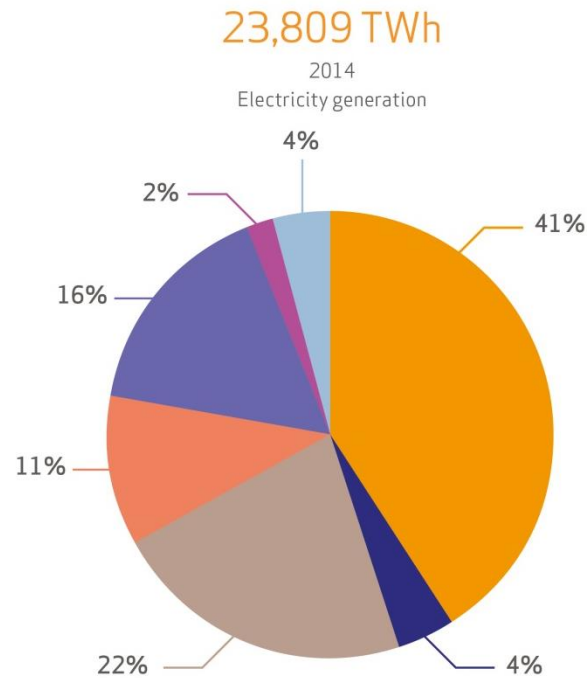
IEEJ Roundtable for Singapore International Energy Week 2017

Benjamin Sporton, Chief Executive



As global electricity changes, coal retains an edge

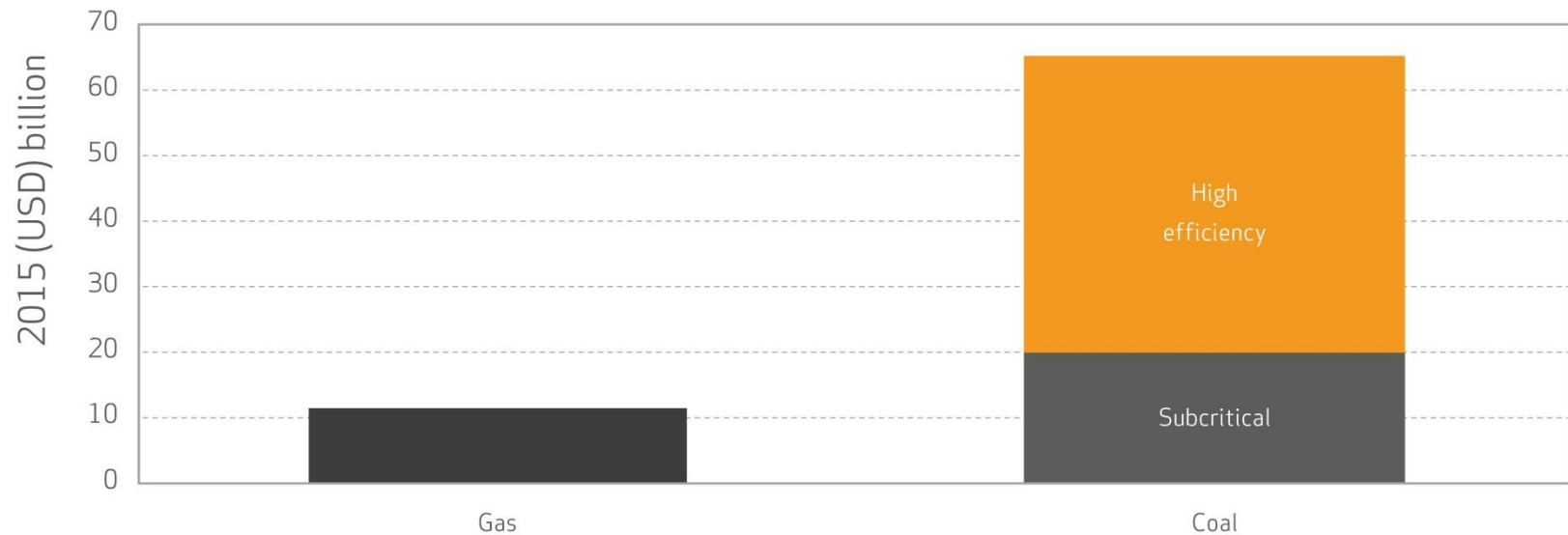
Global electricity mix



Source: International Energy Agency, World Energy Outlook 2016

Coal, not gas, leads the charge in Asia...

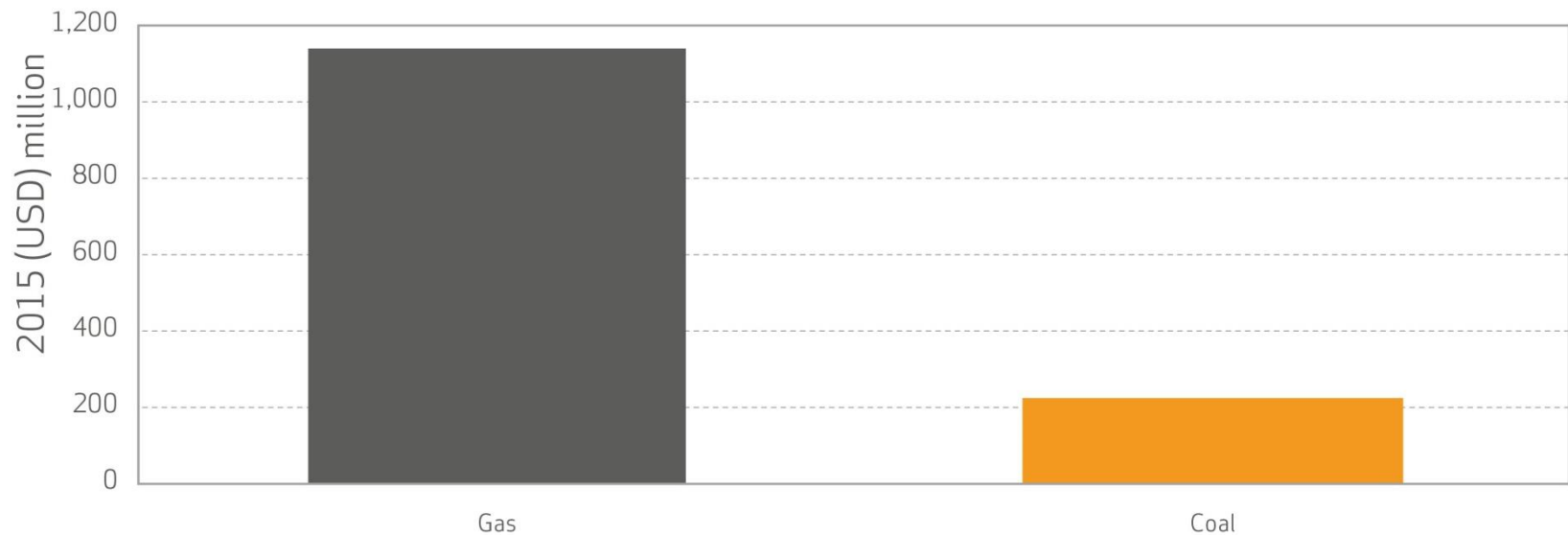
Coal and gas-fired power investment in Asian markets (2015)



Source: International Energy Agency, World Energy Outlook 2016

... because its costs are far lower

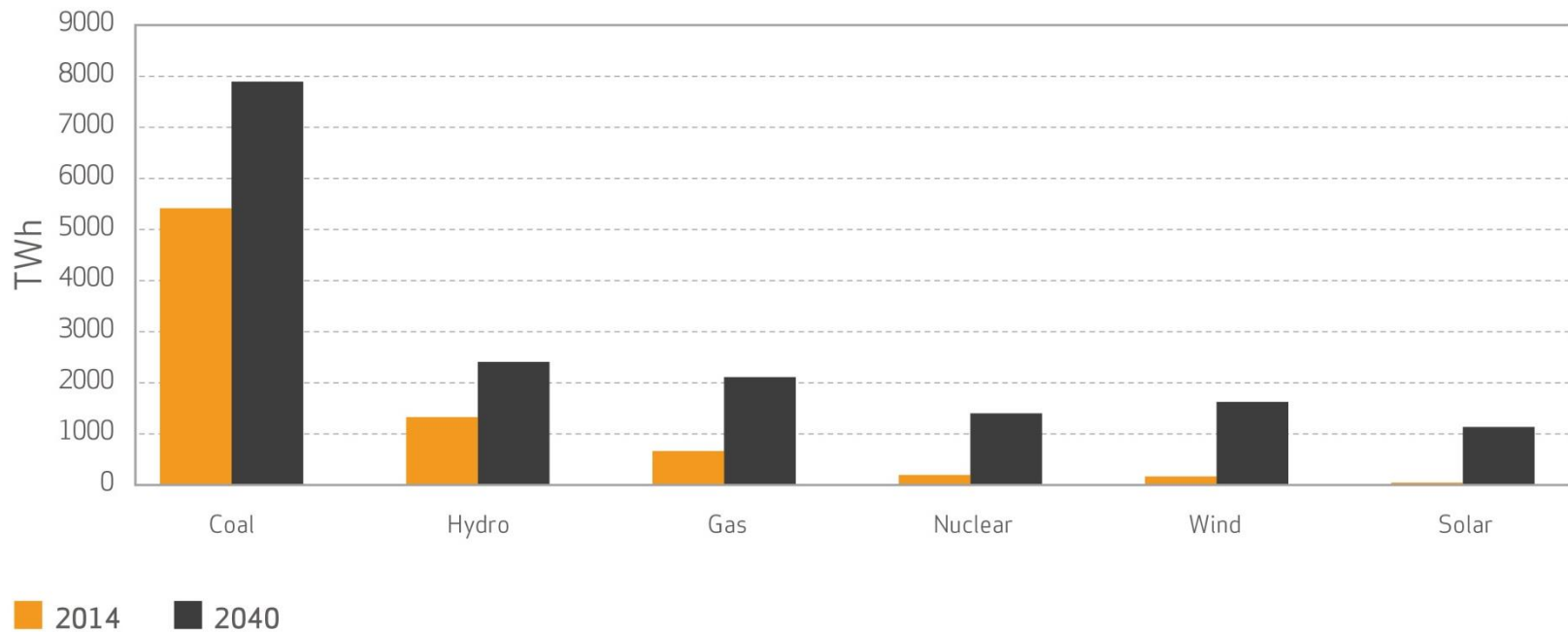
Infrastructure investment cost for a 1 GW power plant in Asia



Source: International Energy Agency, World Energy Outlook 2016

Coal will dominate Asian electricity for decades

Non-OECD Asia electricity generation

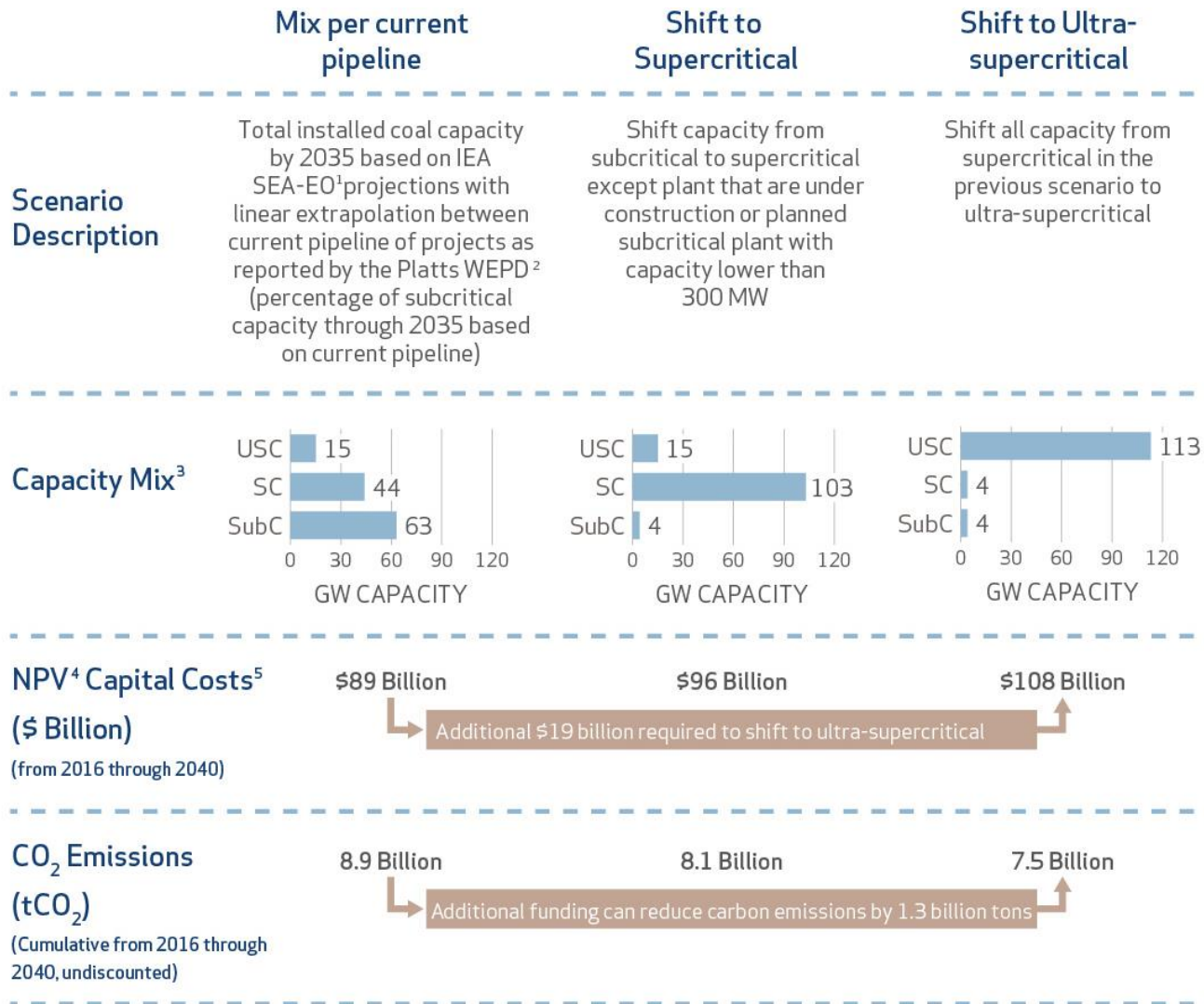


Source: International Energy Agency, World Energy Outlook 2016

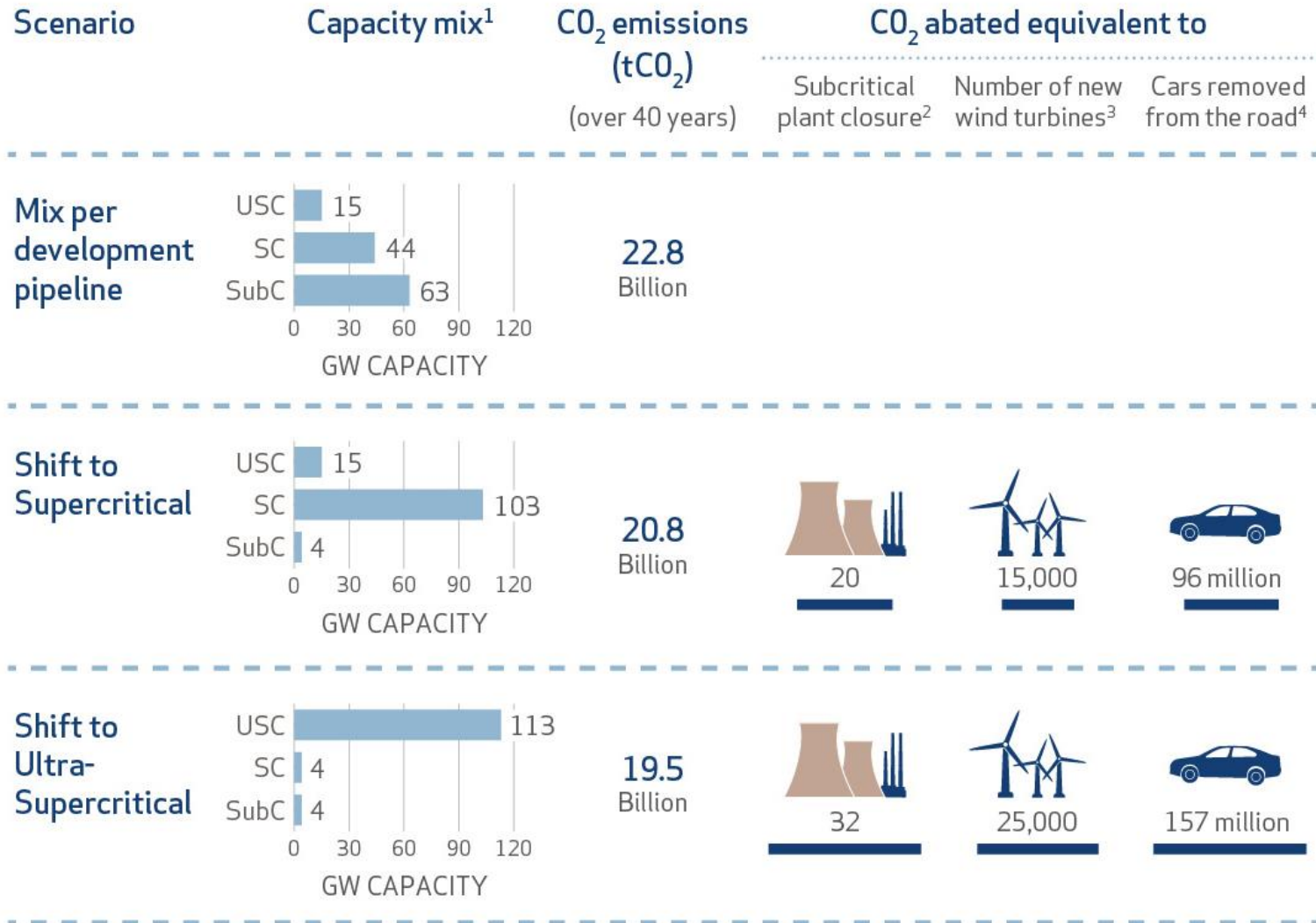
The Paris Agreement includes low emissions coal



ASEAN's first step to cleaner coal is possible

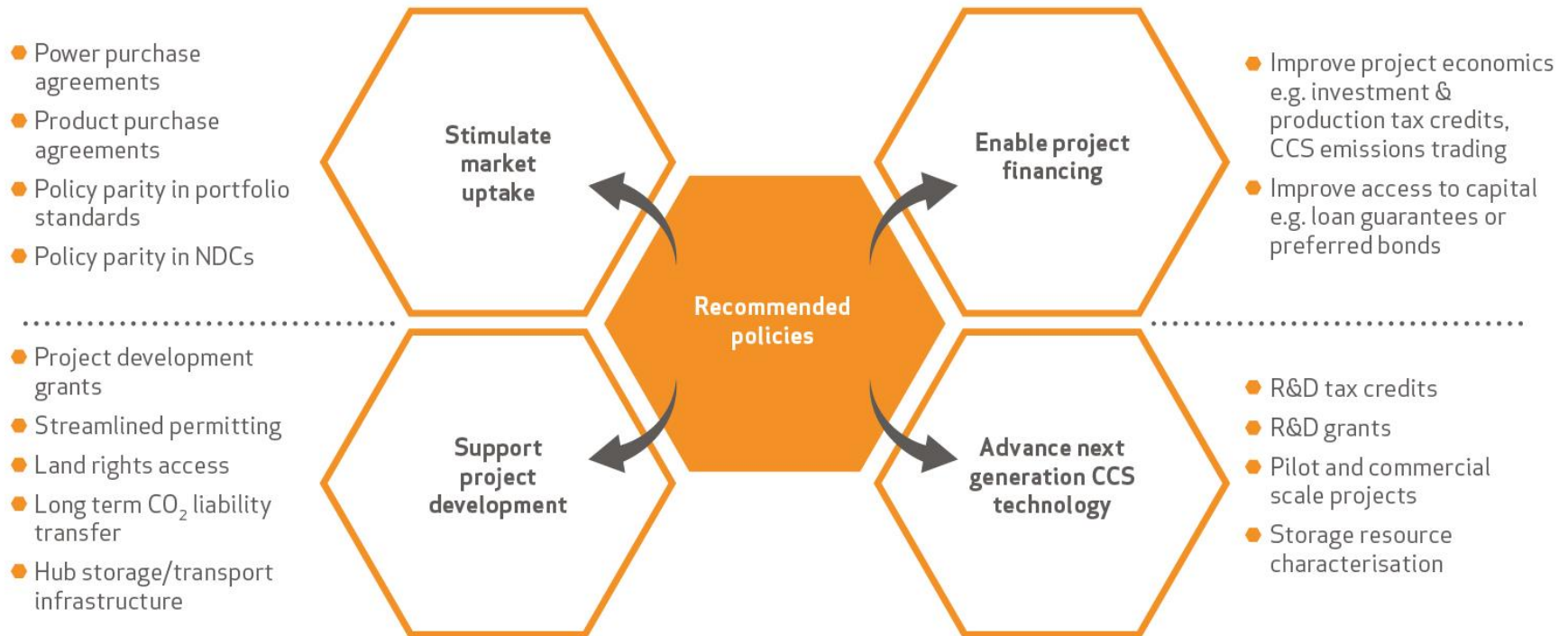


... and the benefits are significant



New policies are required to drive CCS

Policies and incentives are required to stimulate second generation CCS investments



Source: CIAB, An international commitment to CCS; policies and incentives to enable a low-carbon future, 2016