

Title:

The transition to net zero: is an objective of 100% renewables realistic:

Abstract:

Australia can achieve a net-zero carbon emissions electricity system without threatening affordability or reliability of supply. However, we should not rush to 100 per cent renewable energy, because ensuring reliability would be costly without major technological advances – especially in the depths of winter when demand is high, solar supply is low and persistent wind droughts are possible. Net-zero by the 2040s is an appropriate commitment.