

# Clean Energy Market and Forecast

Regen meeting

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**BloombergNEF**

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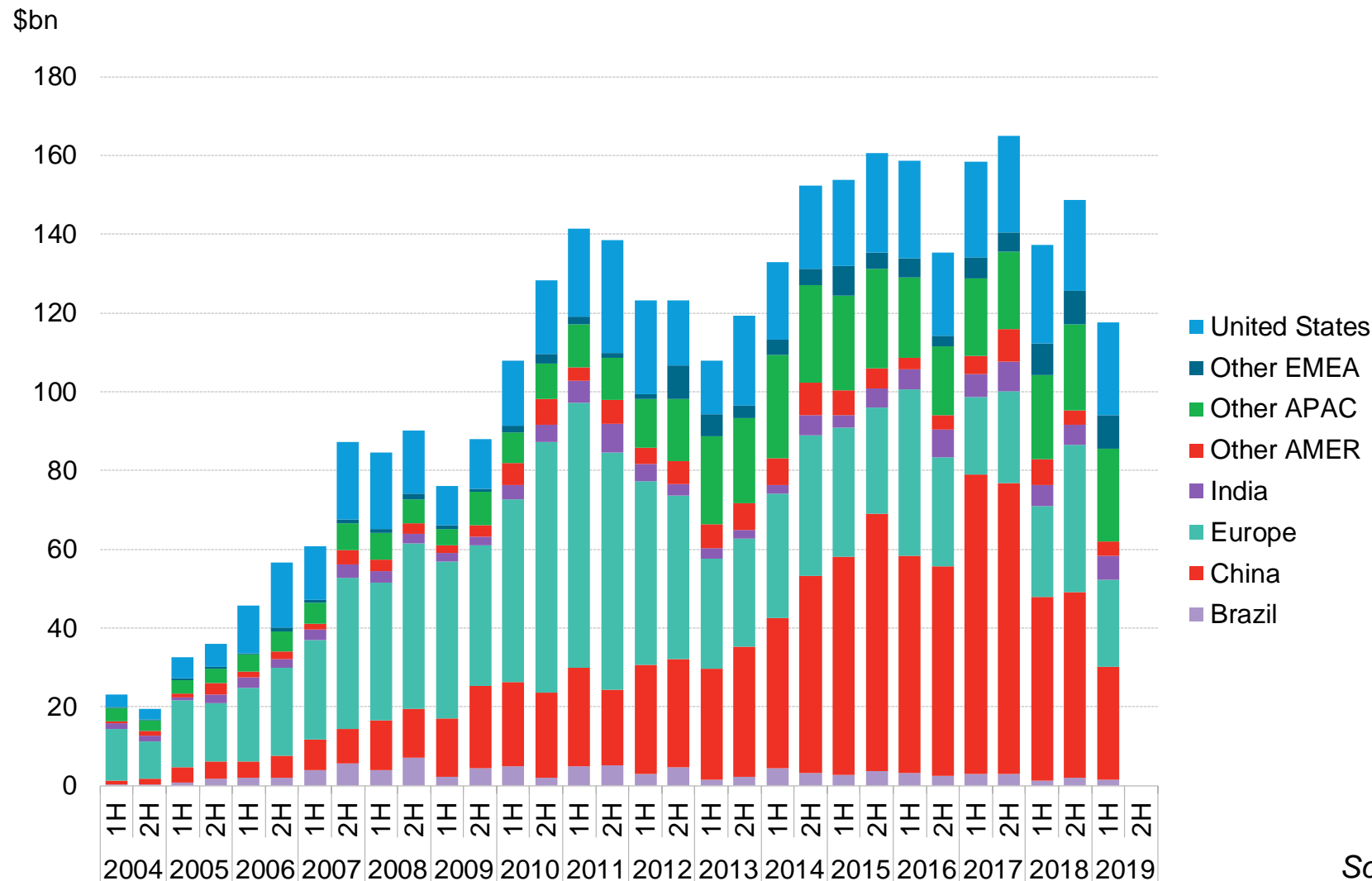
1. Investment trends
2. New Energy Outlook to 2050

# Investment trends



Source: Alcazar Energy

# Clean energy investment, 2004 to 1H 2019

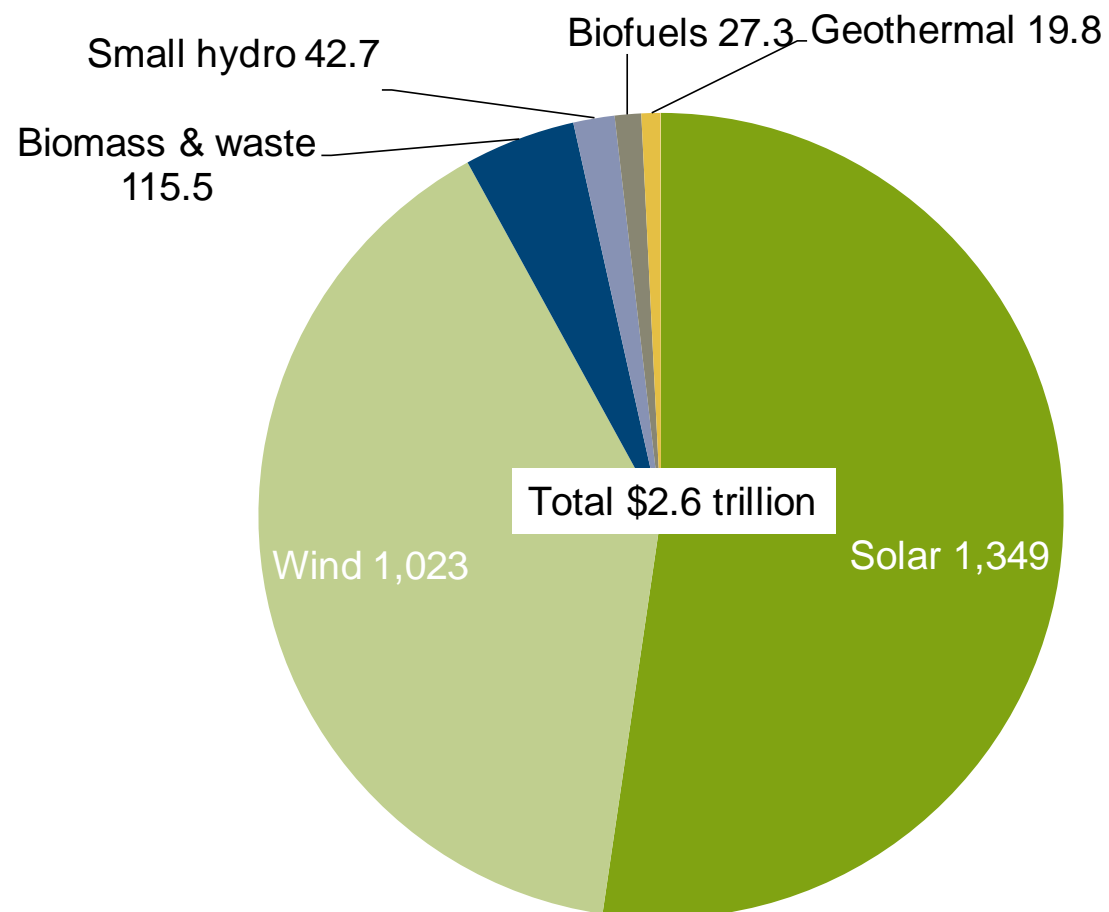


Source: BloombergNEF

# Published in September



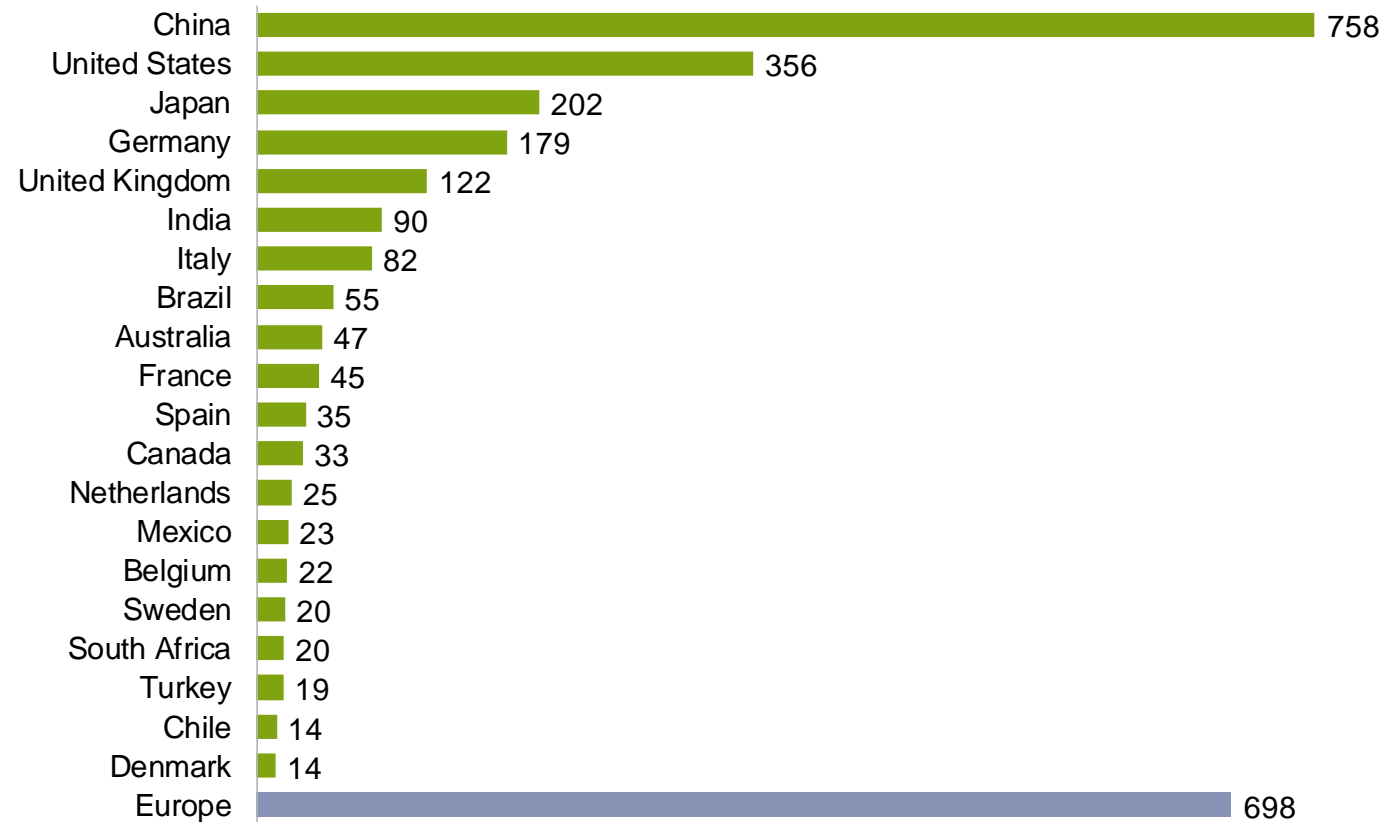
# Renewable energy investment over the decade 2010 to 2019, \$bn



*Note: Excludes large hydro projects*

*Source: Global Trends in Renewable Energy Investment 2019, BloombergNEF*

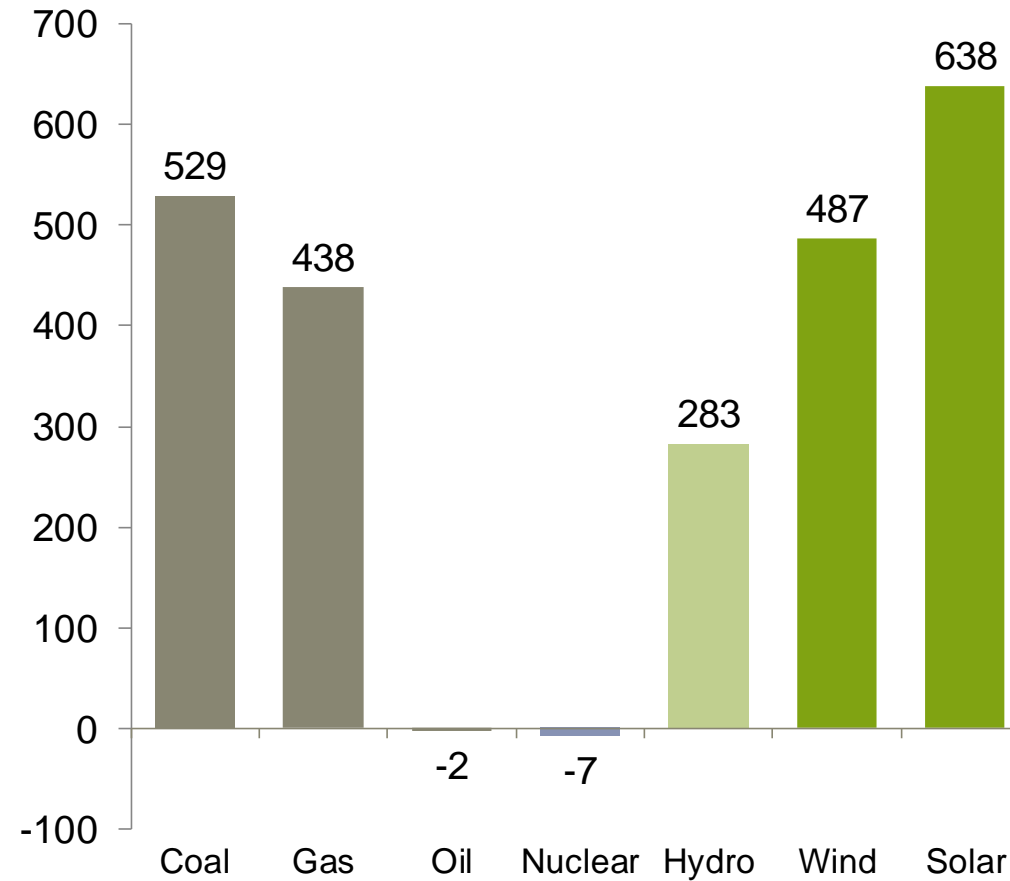
# Renewable energy capacity investment by country 2010 to 1H 2019, \$bn



Note: Excludes large hydro projects

Source: Global Trends in Renewable Energy Investment 2019, BloombergNEF

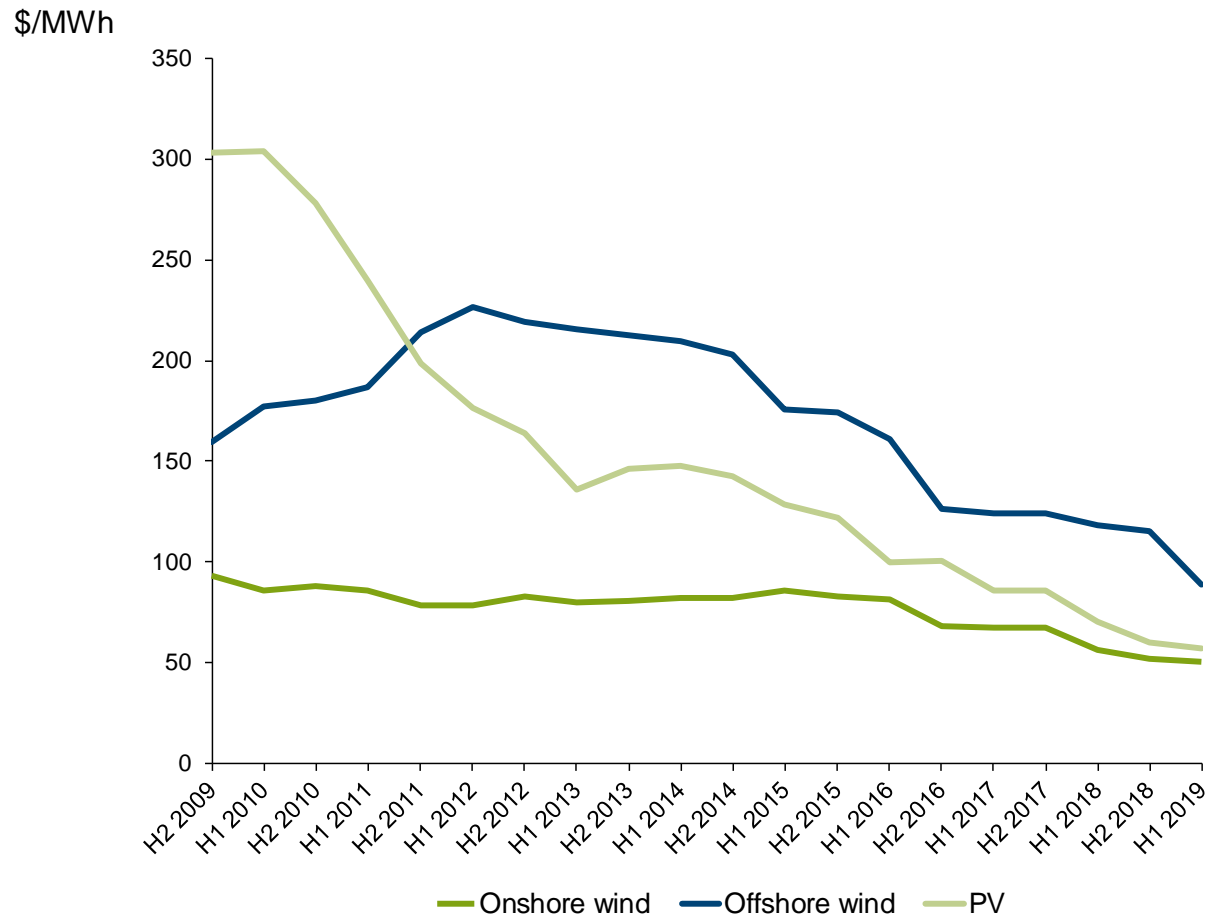
# Net capacity added in main generation technologies over the decade 2010-2019, GW



Source: Global Trends in Renewable Energy Investment 2019, BloombergNEF



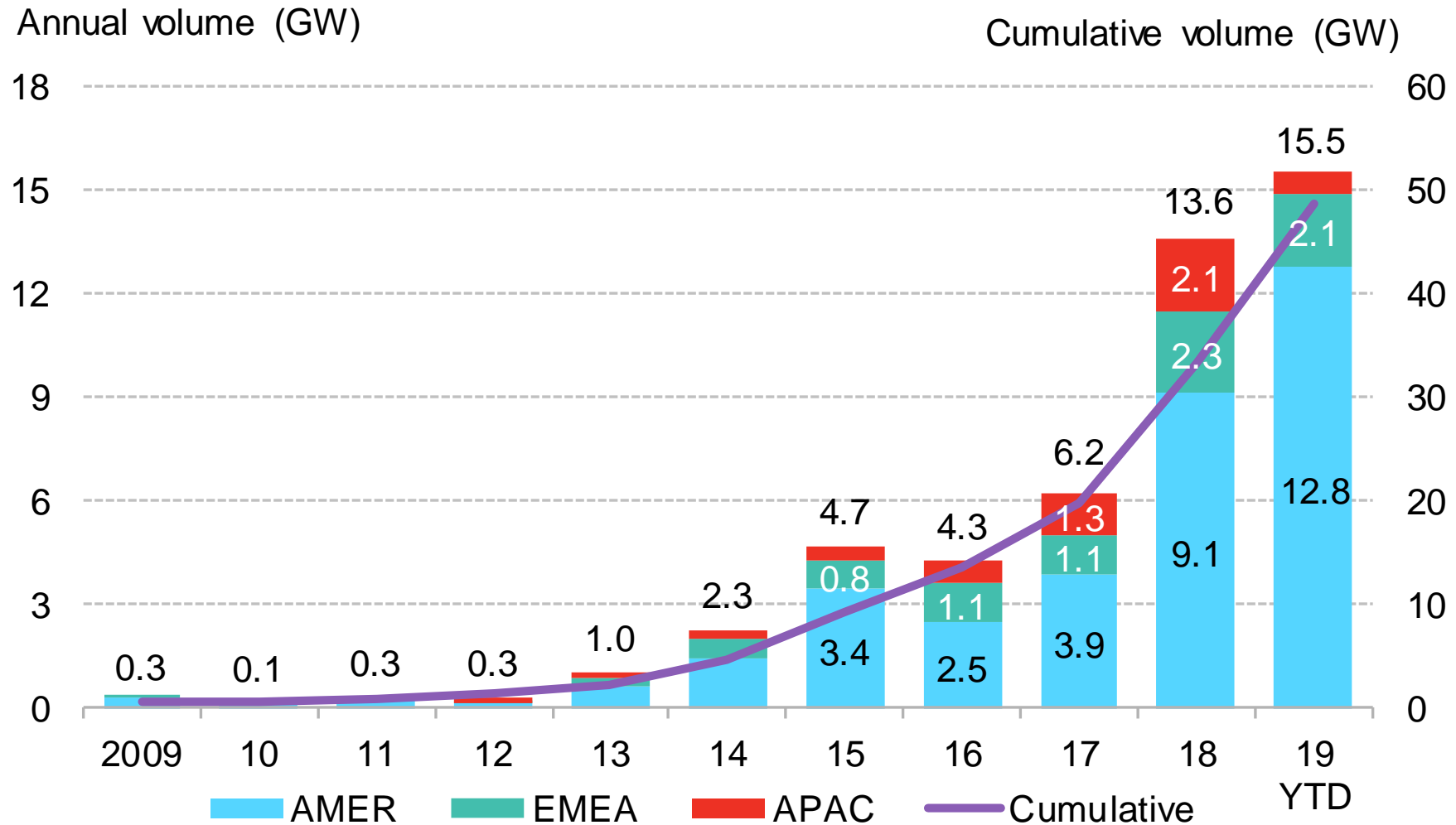
# Levelized cost of electricity for three renewable technologies, 2009 to 1H 2019



Note: PV is crystalline silicon without tracking

Source: Global Trends in Renewable Energy Investment 2019, BloombergNEF

# Global corporate PPAs, by region

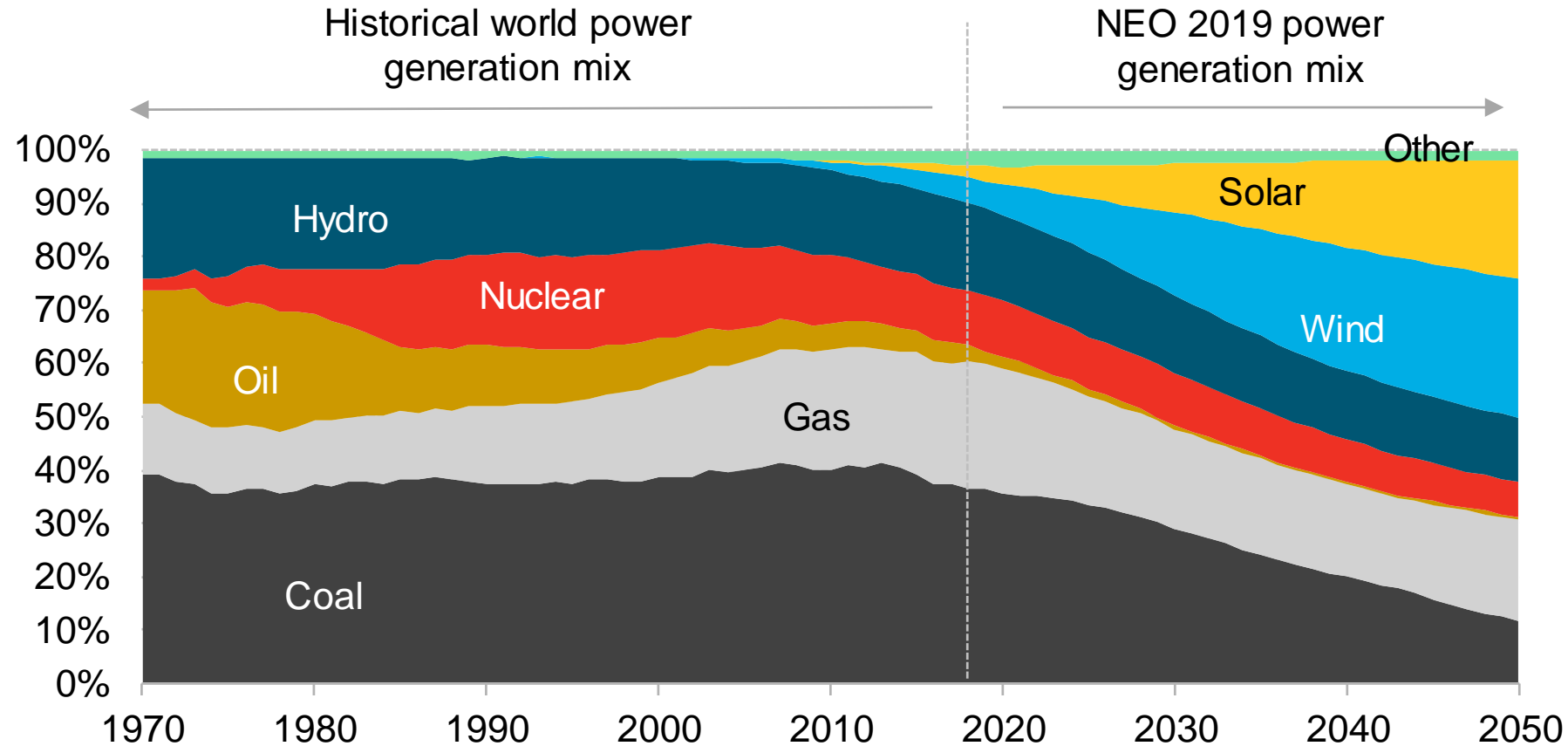


Source: BloombergNEF Note: Chart is for offsite PPAs only. APAC capacity is estimated. Pre-market reform Mexico PPAs excluded. Figures are subject to change and may be updated as more information is made available. Data is through June 2019.

# New Energy Outlook 2019

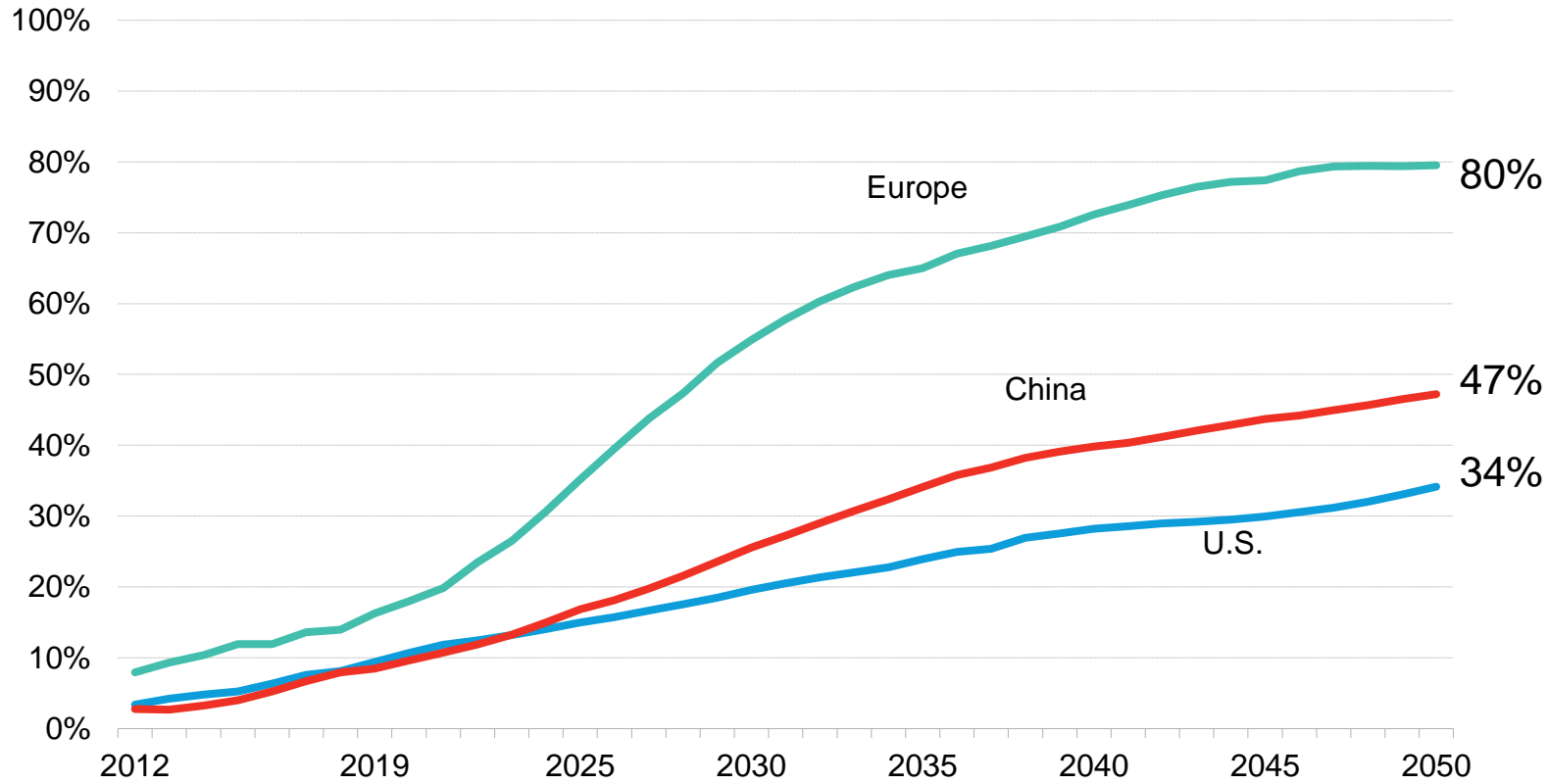


# Global electricity generation



Source: BloombergNEF, IEA

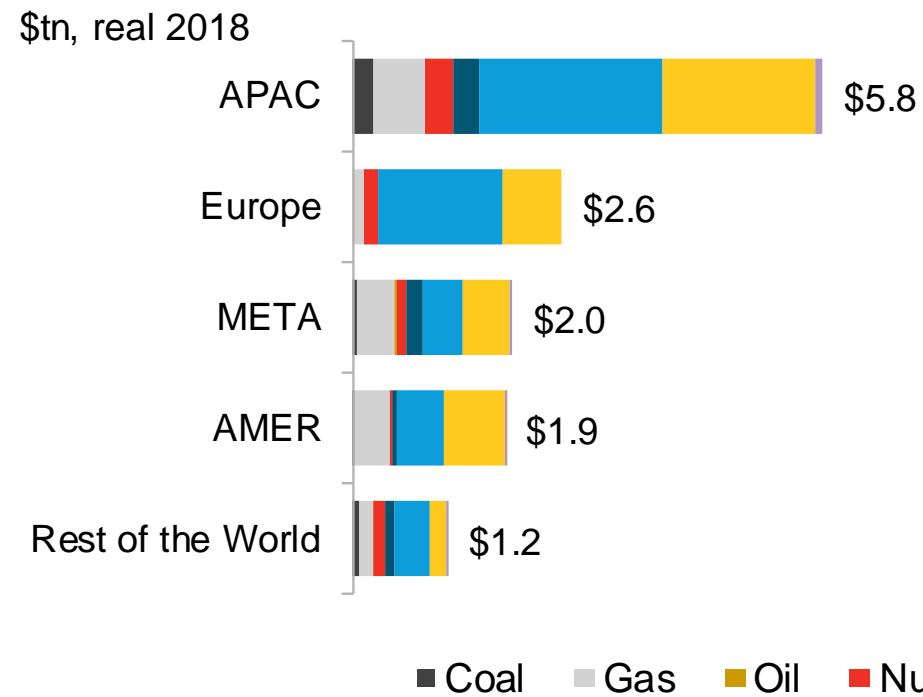
# Wind and solar penetration



Source: BloombergNEF

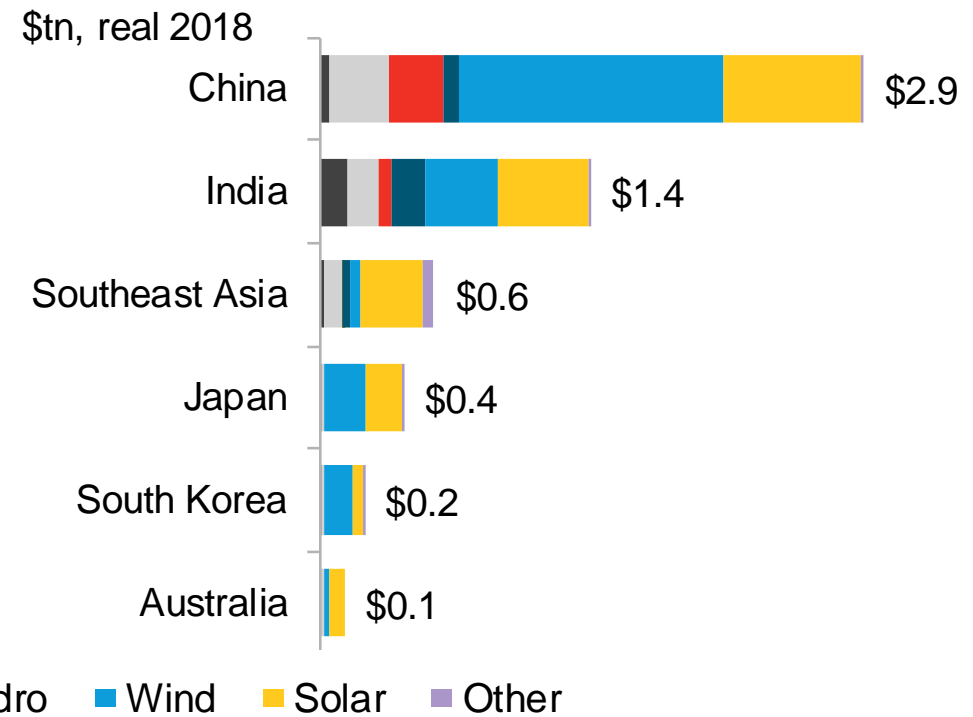
# Global investment in power generating capacity

Global investment in power generation by region, 2018-2050



Source: BloombergNEF

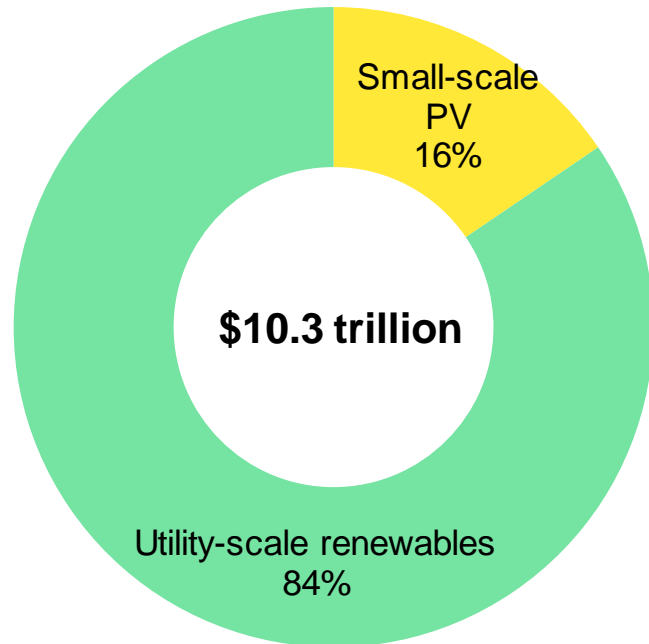
Asia Pacific investment in power generation by region, 2018-2050



Source: BloombergNEF

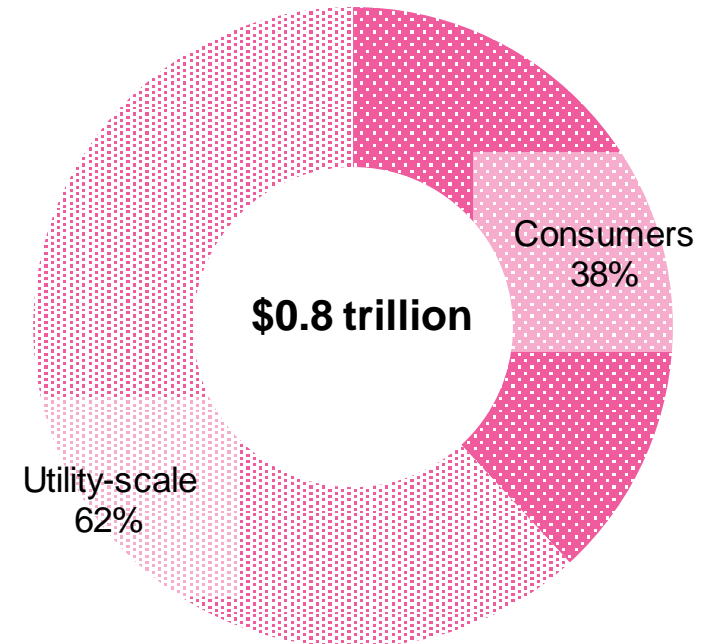
# Investment in power generating capacity and battery storage

Investment in small-scale PV vs utility scale renewables, 2019-2050



Source: BloombergNEF

Global investment batteries for stationary storage, 2019-2050



Source: BloombergNEF

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Clean energy

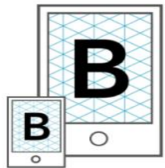
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