

A decorative graphic on the left side of the slide, consisting of three overlapping circular frames. The top frame shows solar panels in front of industrial chimneys. The middle frame shows a large industrial facility with several tall cooling towers and a body of water. The bottom frame shows a helicopter performing a hoist rescue or maintenance on a high-voltage power line tower. The background of the slide is a gradient from blue at the top to white at the bottom.

IRP discussion: Technology costs

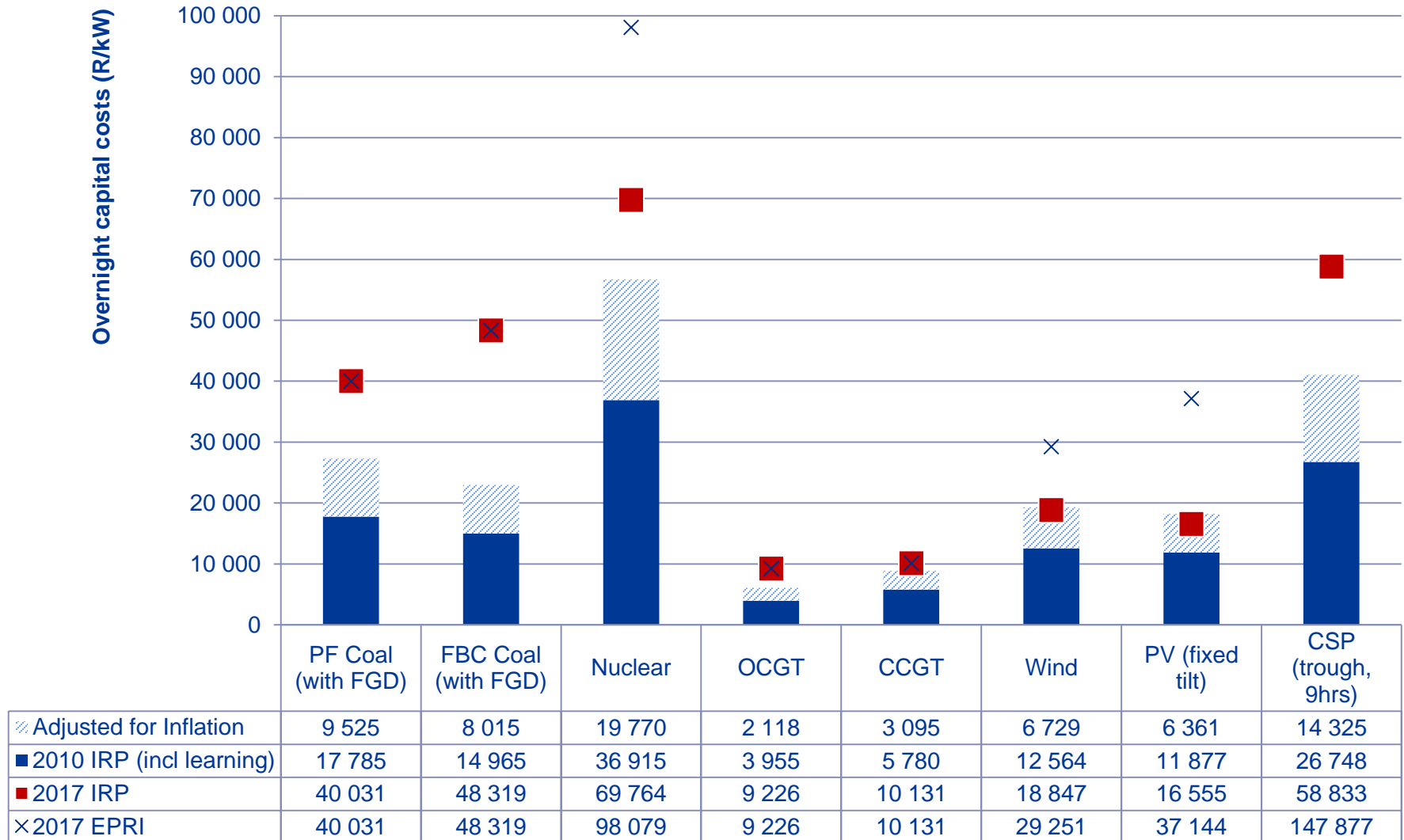
Keith Bowen

Energy Planning and Market Development

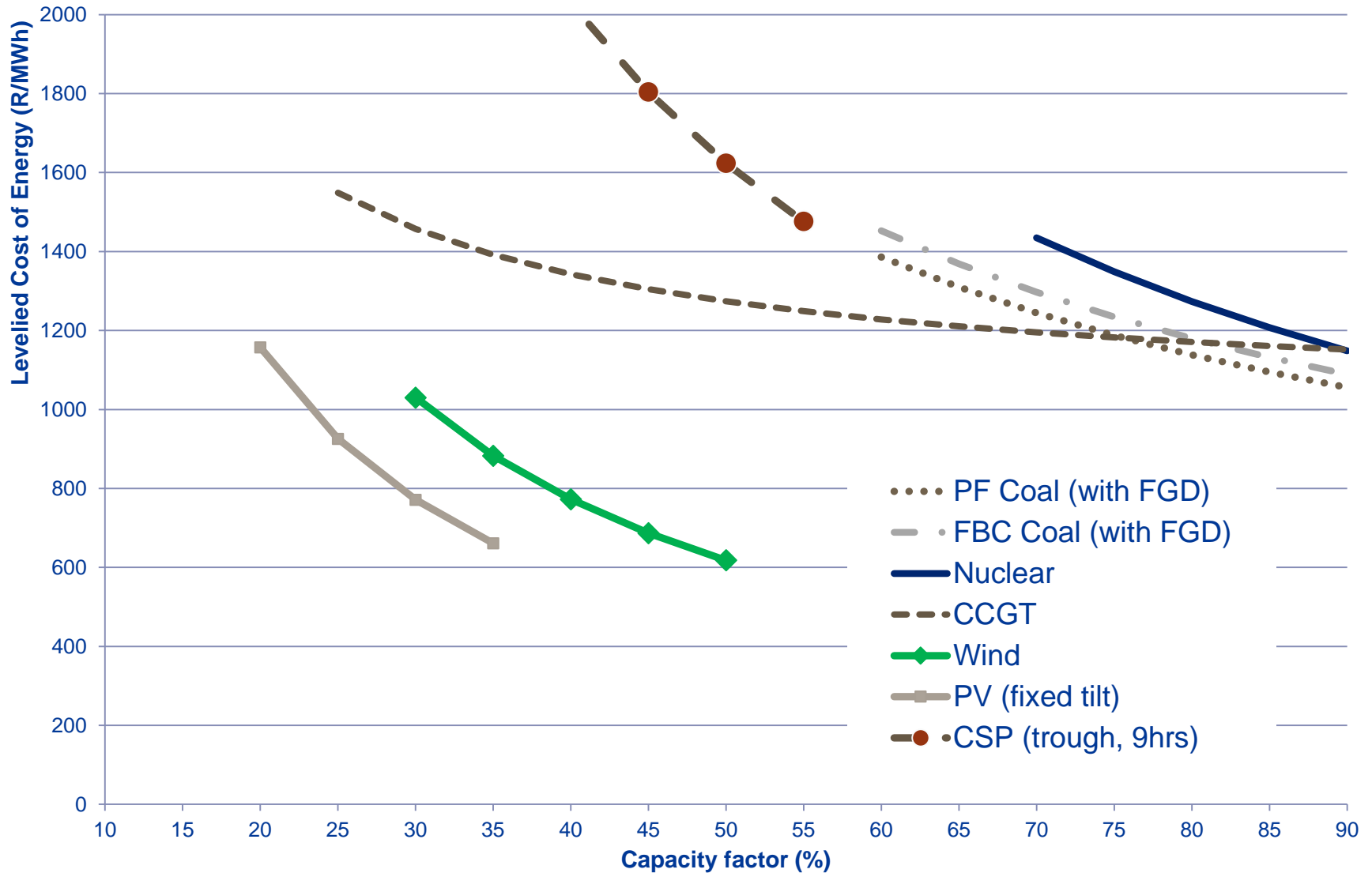
October 2018

- Independent research
 - EPRI
 - Lazar
 - BCG, etc.
- Experience of procurement process
 - REIPPP
 - Nuclear
 - Coal

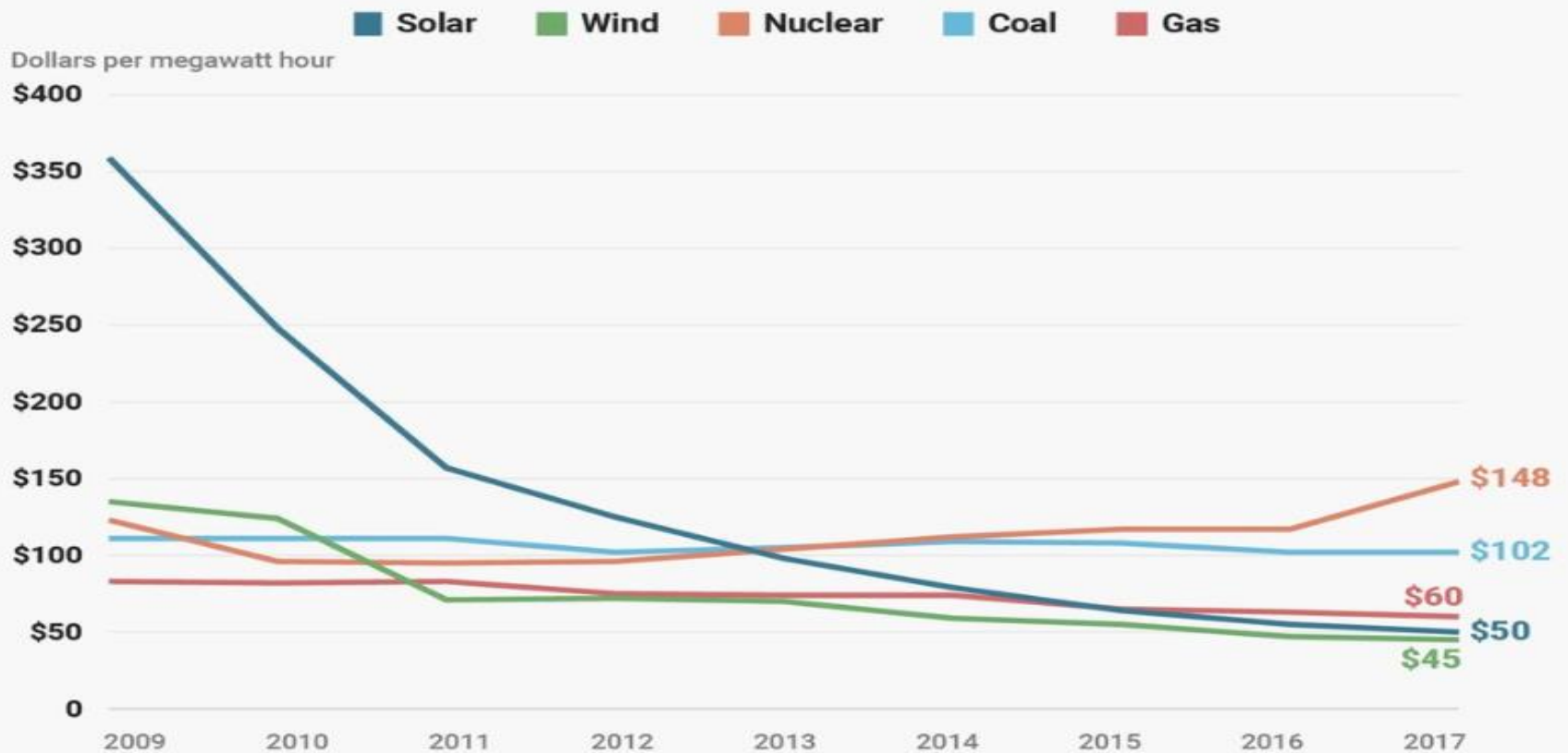
Overnight Capital Costs



Levelised Costs



The average cost of energy in North America



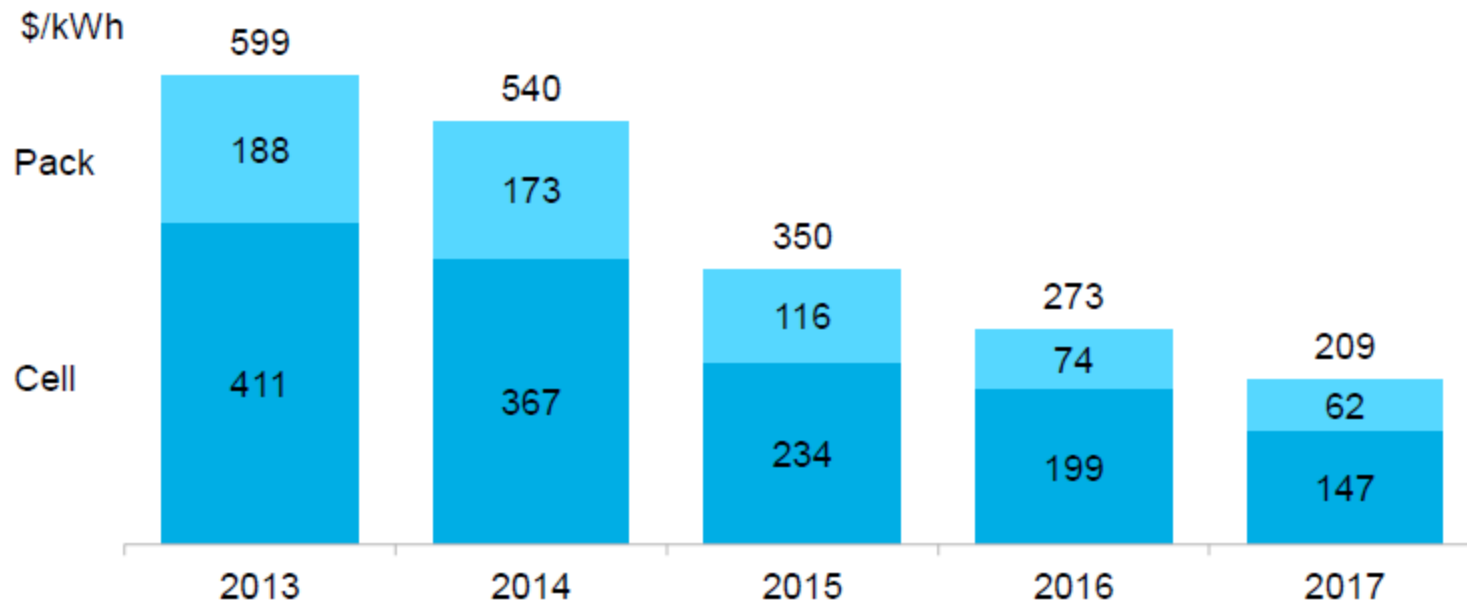
Source: Lazard levelized cost of energy analysis

BUSINESS INSIDER

Source: World Economic Forum

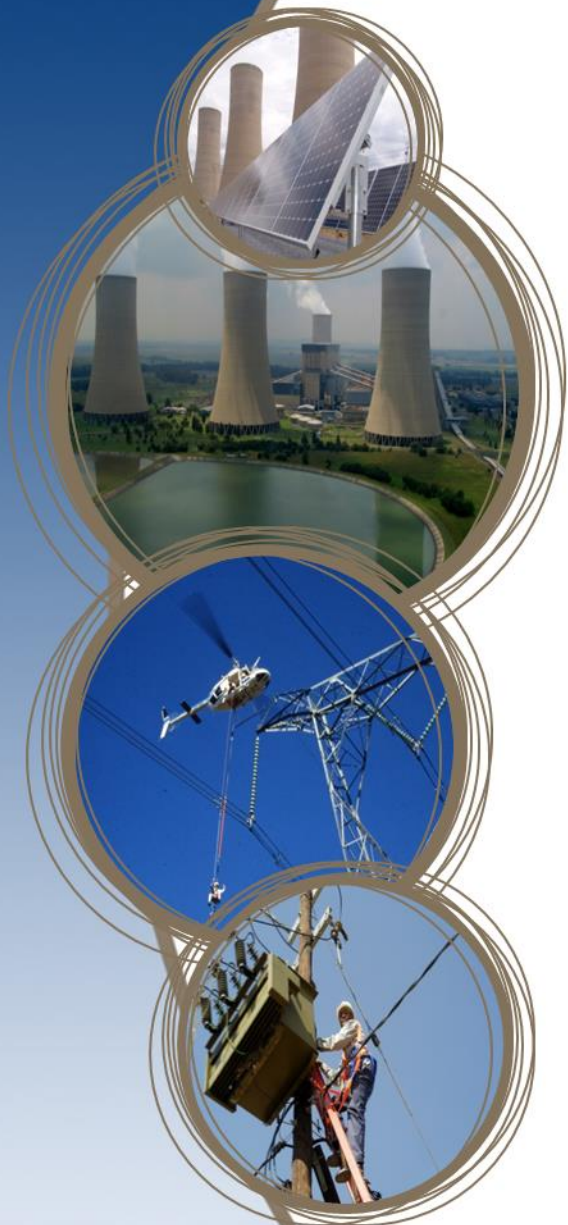
<https://www.weforum.org/agenda/2018/05/one-simple-chart-shows-why-an-energy-revolution-is-coming-and-who-is-likely-to-come-out-on-top>

Lithium ion battery pack prices (Vehicles)



Source: Bloomberg New Energy Finance
Sustainable Energy in America 2018 Factbook p.122

Thank you



Electricity intensity and economic structure

