

23 May 2018

NEW ENERGY SOLAR (ASX: NEW) PRESENTATION

EVANS DIXON US FOCUSED INVESTOR CONFERENCE

Today, New Energy Solar¹ presented at the Evans Dixon US Focused Investor Conference. The presentation is attached.

For further information, contact:

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GRACosway
0405 669 632

About New Energy Solar

New Energy Solar was established in November 2015 to invest in a diversified portfolio of solar assets across the globe and help investors benefit from the global shift to renewable energy. The Business acquires large scale solar power plants with long term contracted power purchase agreements. In addition to attractive financial returns, this strategy generates significant positive environmental impacts for investors.

Since establishment, New Energy Solar has raised over A\$500 million of equity, acquired a portfolio of world-class solar power plants, and has a deep pipeline of opportunities primarily across the United States and Australia. New Energy Solar's initial public offering was led by Morgan Stanley and its securities trade on the Australian Securities Exchange under the ticker, NEW.

New Energy Solar is a listed stapled entity consisting of New Energy Solar Fund (ARSN 609 154 298) and New Energy Solar Limited (ACN 159 902 708). For more information, visit: www.newenergysolar.com.au

¹ New Energy Solar Limited (**Company**) and Walsh & Company Investments Limited as responsible entity of New Energy Solar Fund (**Trust**), together **New Energy Solar**.

New Energy Solar

Australia

Level 15, 100 Pacific Highway North Sydney NSW 2060

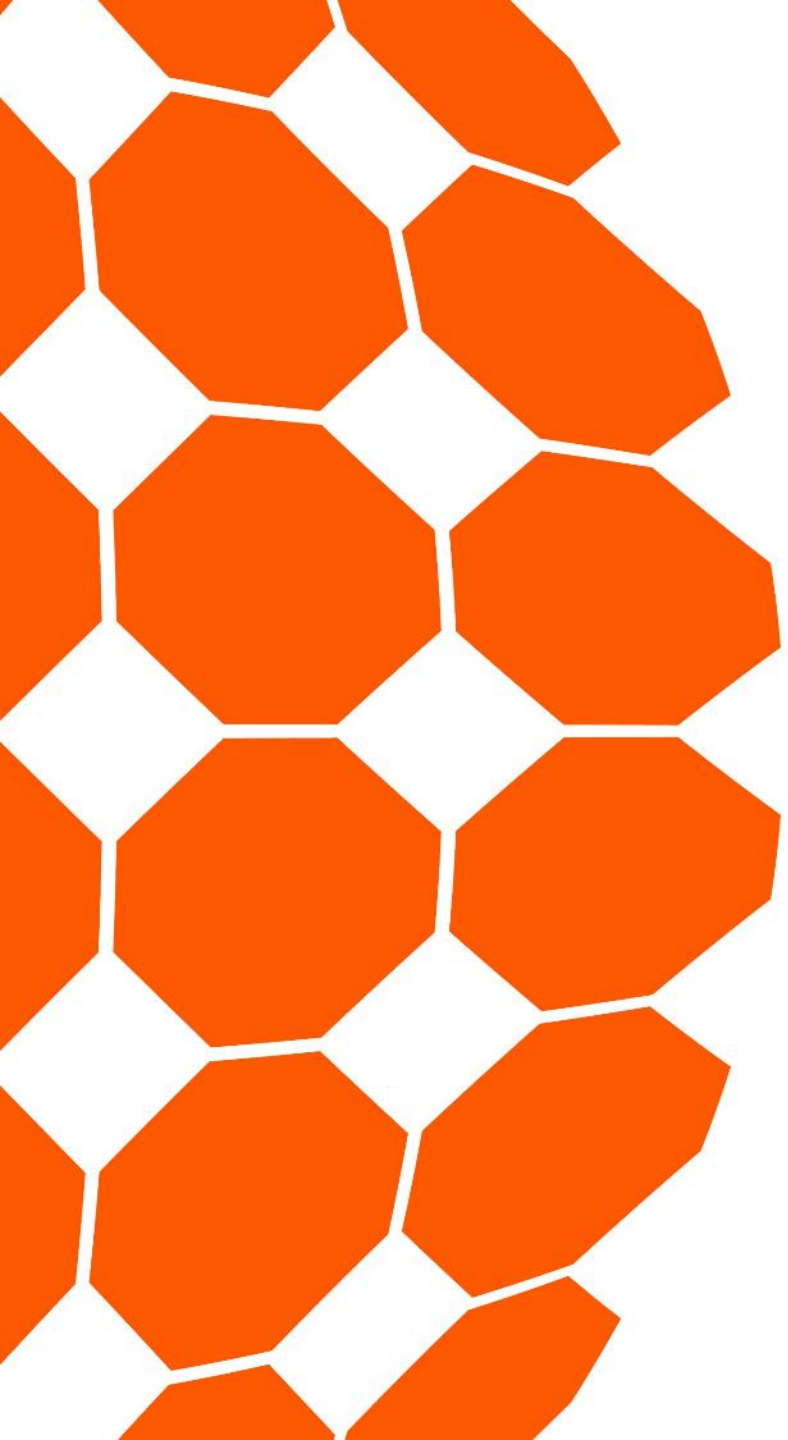
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New Energy
Solar

RENEWABLE ENERGY. SUSTAINABLE INVESTING.

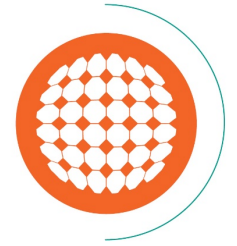
US Investor Conference

New York, 22 May 2018

Presenter

John Martin, Chief Executive Officer

Disclaimer



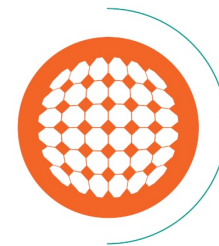
This document is prepared by New Energy Solar Manager Pty Limited (ACN 609 166 645) (**Investment Manager**), a corporate authorised representative (CAR No. 1237667) of Walsh & Company Asset Management Pty Limited (ACN 159 902 708, AFSL 450 257), and investment manager for New Energy Solar Fund (ARSN 609 154 298) (**Trust**), and New Energy Solar Limited (ACN 609 396 983) (**Company**). The Trust and the Company (together with their controlled entities) are referred to as the '**Business**', '**NEW**' or '**New Energy Solar**'.

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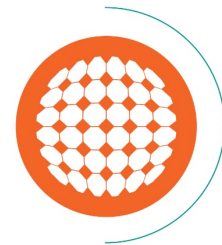


Agenda

- 1 Renewables and efficiency
- 2 Renewable energy outlook
- 3 Fossil fuel divestment
- 4 Update on NEW
- 5 Conclusion
- 6 Q&A



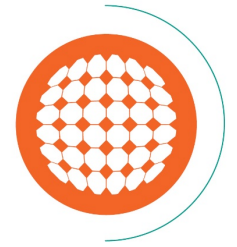




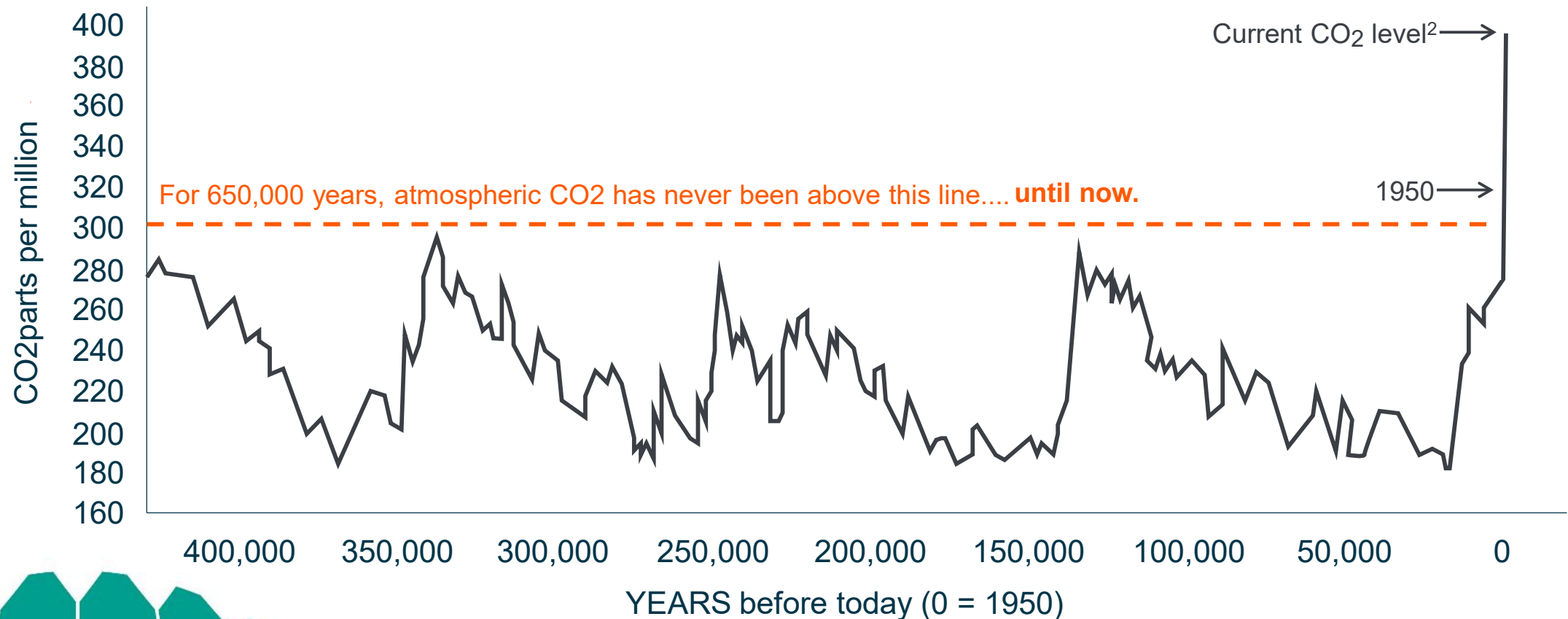
1 Renewables and efficiency



The impact of climate change

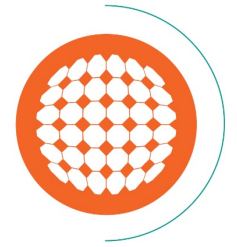


The boom of renewable energy was initially driven by climate change concerns



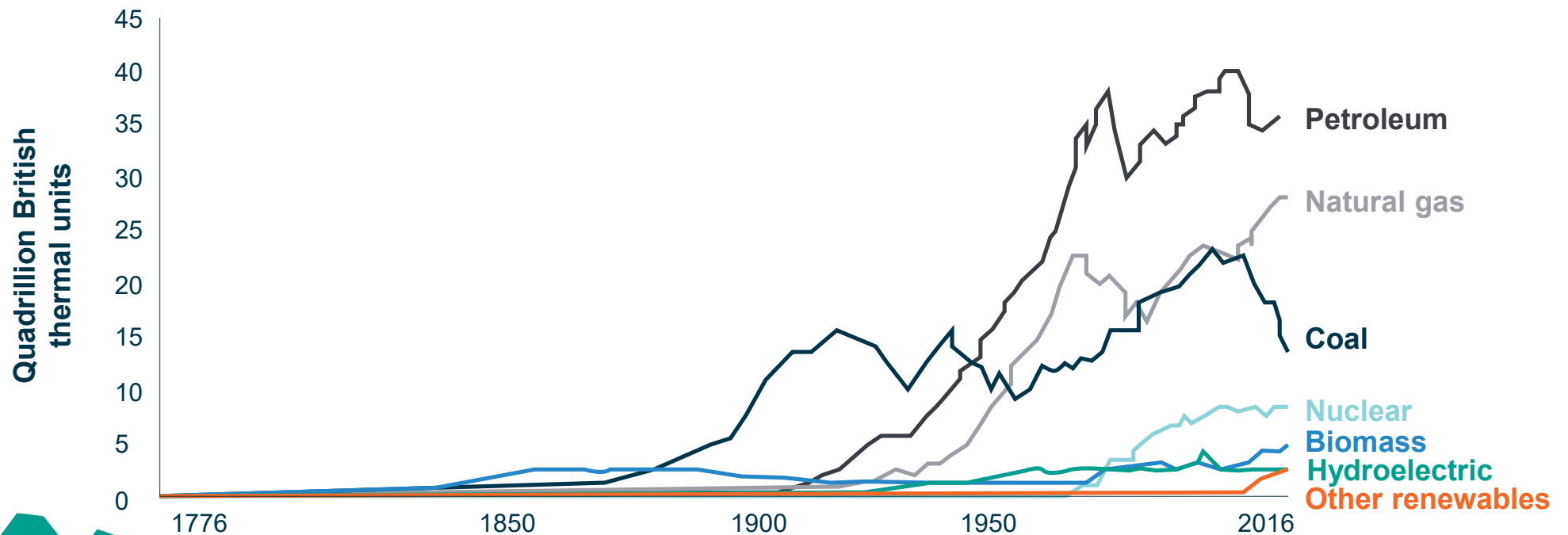
Notes: Source: National Oceanic and Atmospheric Administration. 1. As of July 2013

Historical energy use



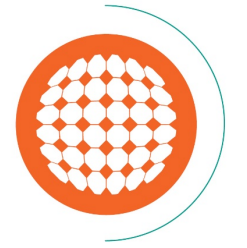
The adoption of new energy has been driven by economic efficiency

Energy consumption in the United States (1776–2016)

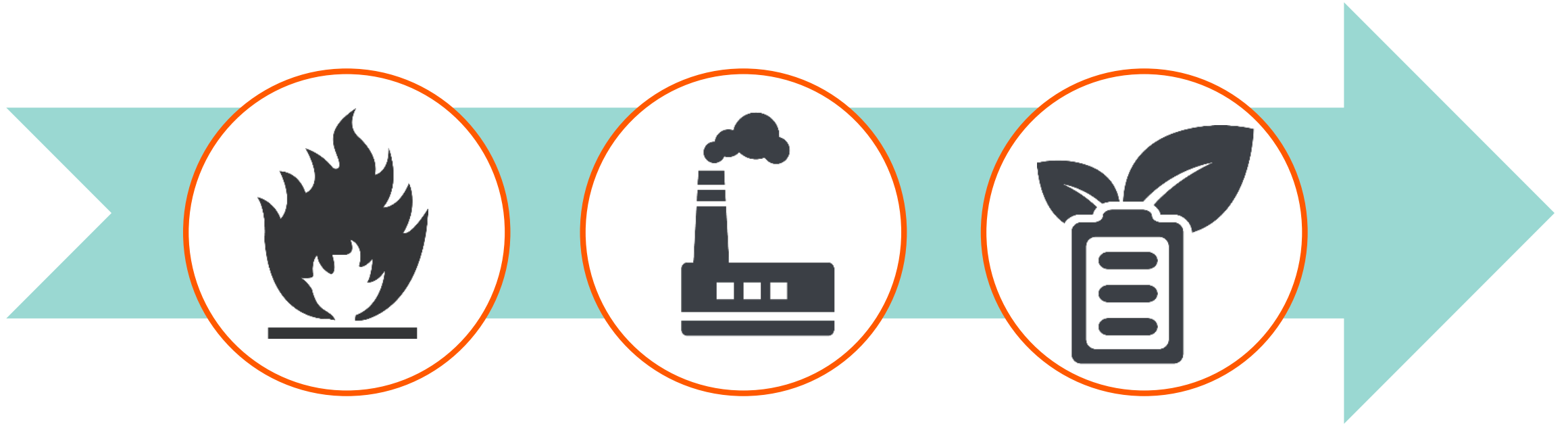


Source: US Energy Information Administration

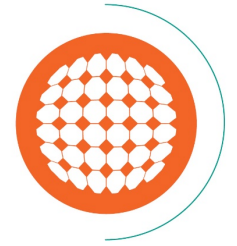
Technological change and economic efficiency



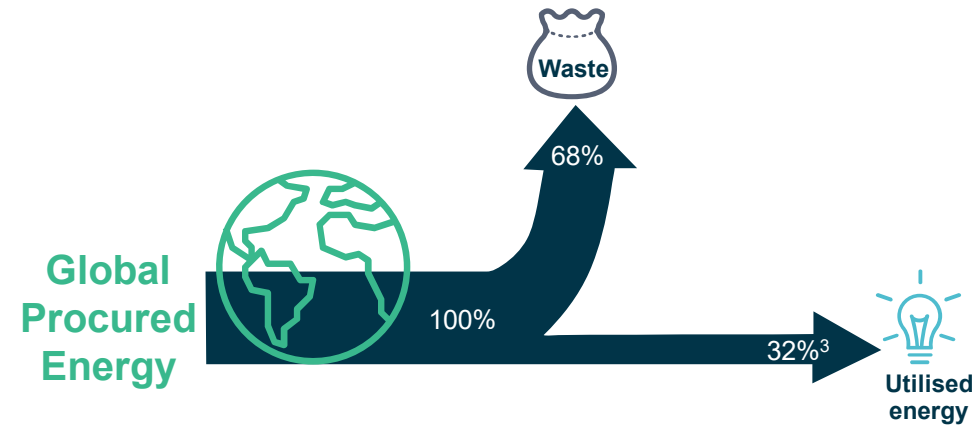
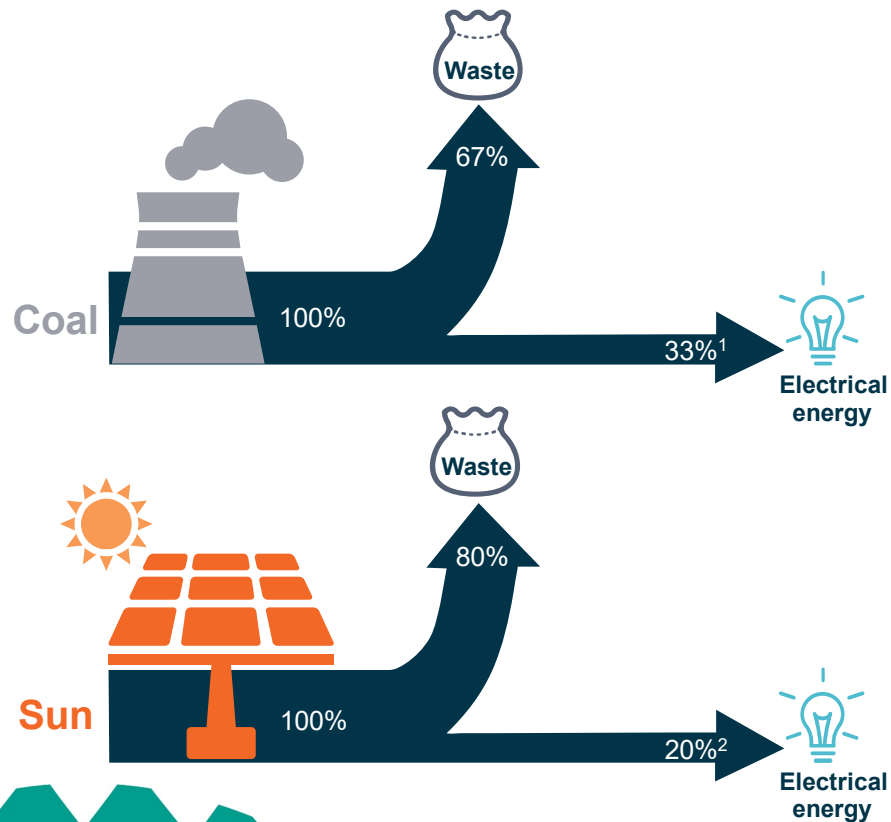
The economic driver for technological change is an ongoing need for efficiency – producing more with the same or fewer resources



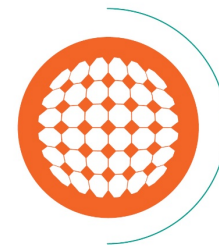
The engineering view of efficiency



The energy conversion efficiency of solar is comparatively low



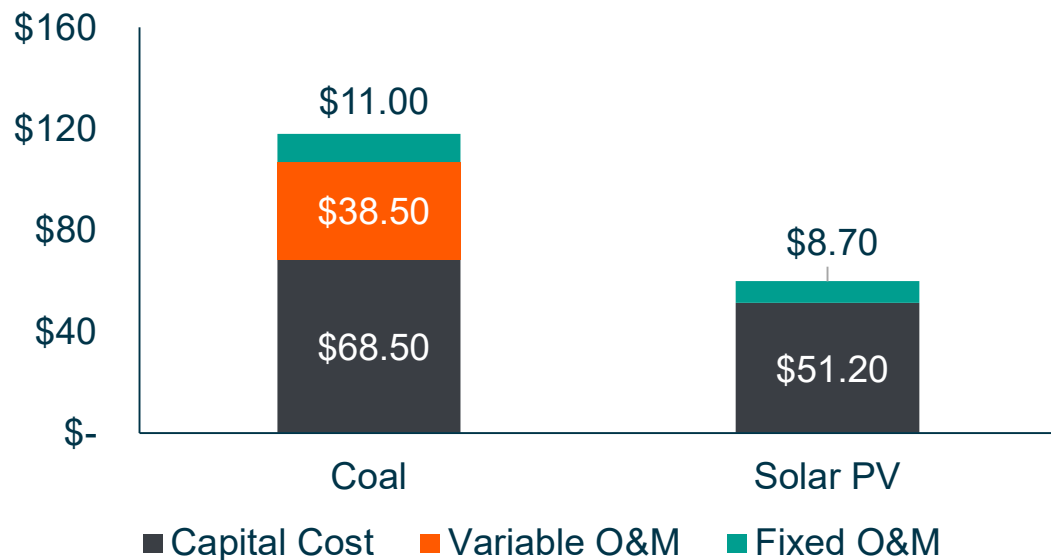
Notes: 1. US Energy Information Administration, What is the efficiency of different types of power plants? 2. Energy Sage, What are the most efficient solar panels on the market? 3. Lawrence Livermore National Laboratory and the Department of Energy



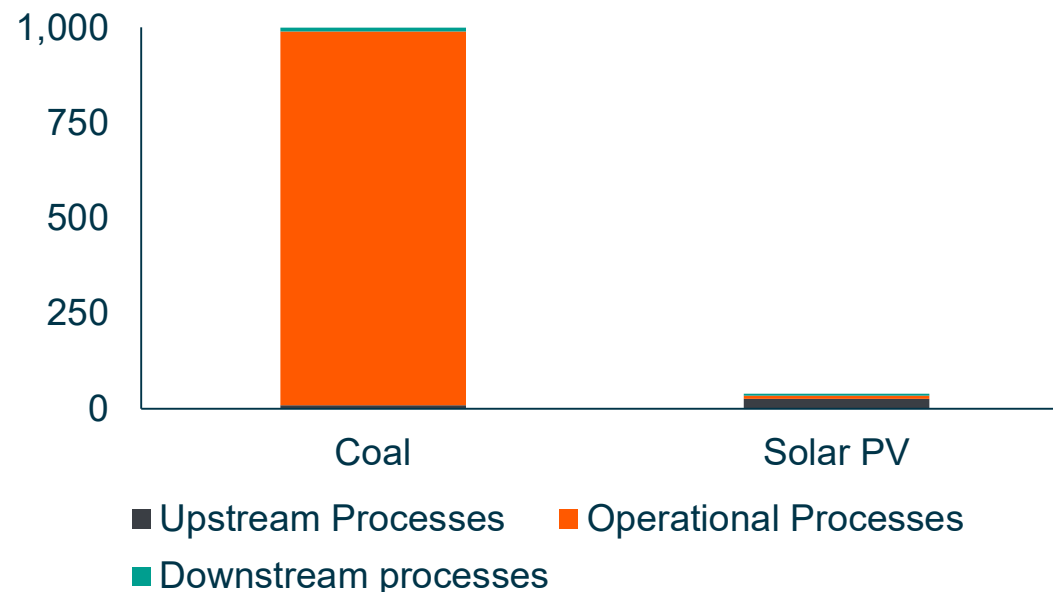
The economic view of efficiency

The economic efficiency of solar is high, particularly if CO₂ emission externalities are factored in

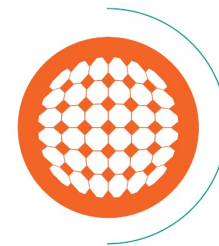
Levelised cost of electricity by stage of asset life¹ US\$/MWh



Lifecycle CO₂ emissions by stage of asset life² grams CO₂/KWh



Notes: 1. US Energy Information Administration, Levelized Cost and Levelized Avoided Cost of New Generation Resources in the Annual Energy Outlook 2018. 2. National Renewable Energy Laboratory Life Cycle Greenhouse Gas Emissions from Solar Photovoltaics



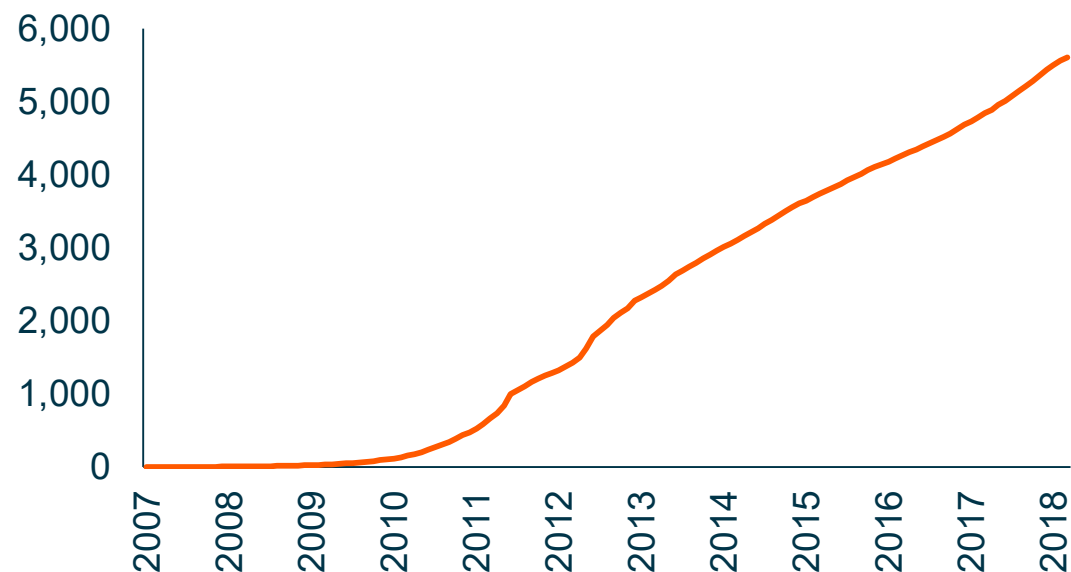
Economics is driving rooftop solar

The rooftop solar boom is driven by more than just environmental concerns

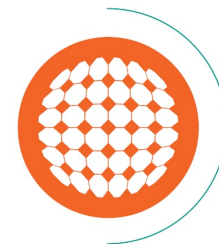
Levelised cost of a 5KW rooftop PV system vs retail electricity price¹ A\$/KWh



Cumulative residential rooftop solar capacity in Australia² MW



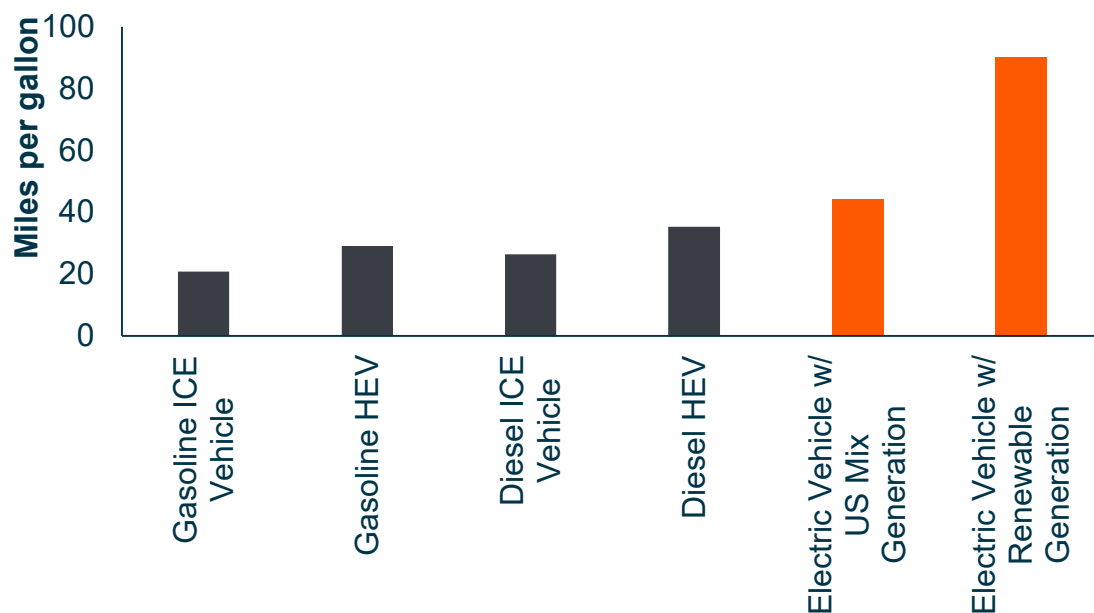
Notes: 1. Australian Energy Council Analysis, January 2018. Central estimate assuming 6.53% discount rate. 2. Australian PV Institute (APVI) Solar Map, funded by the Australian Renewable Energy Agency, accessed from pv-map.apvi.org.au on 3 May 2018.



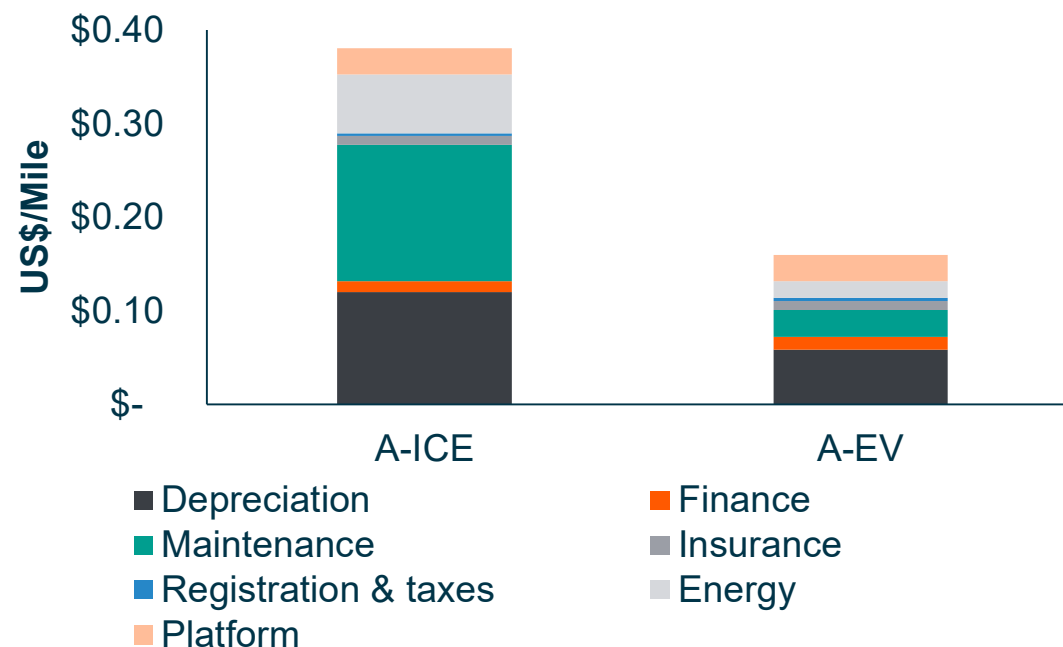
Electric vehicles and efficiency

Electric Vehicles (EV) offer significant thermal and economic efficiency gains over vehicles with Internal Combustion Engines (ICE) and Hybrid Electric Vehicles (HEV)

Well to wheel thermal efficiency of vehicle engine types¹

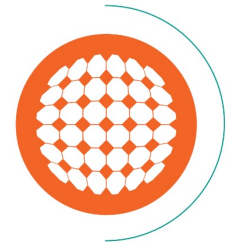


Projected autonomous vehicle fleet costs in 2021²



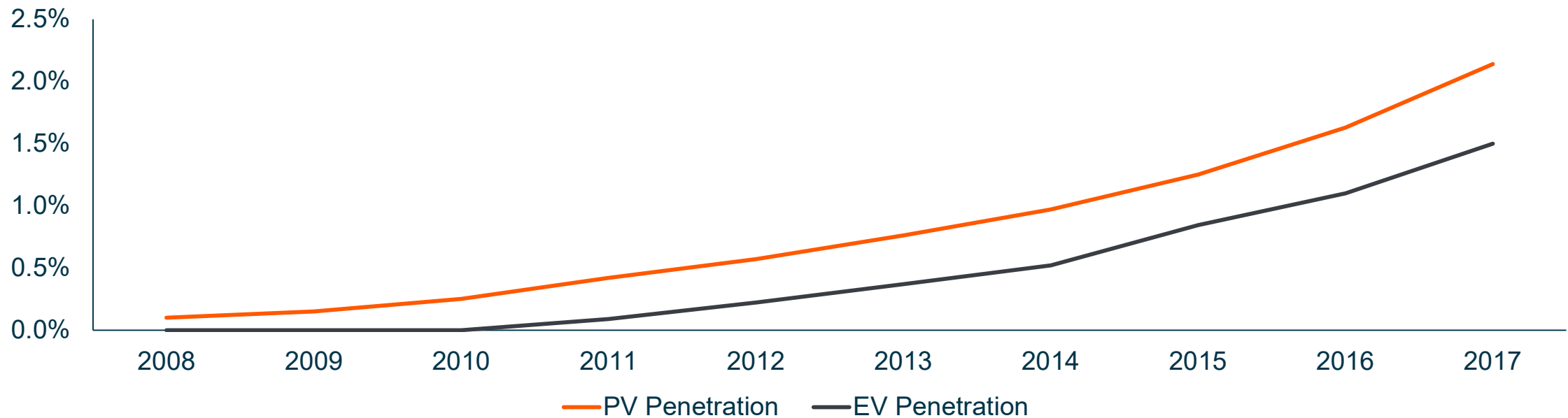
Notes: 1. The Greenhouse Gases, Regulated Emissions, and Energy Use in Transportation (GREET) Model. Software: GREET 1, Version 2011 Copyright © 1999 UChicago Argonne, LLC, and Software: GREET 2, Version 2.7 Copyright © 2007 UChicago Argonne, LLC. 2. RethinkX, Rethinking Transportation 2020-2030

Improving economics drives change

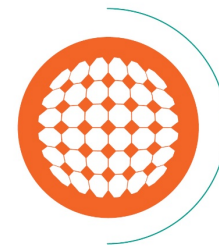


The improving economics of renewable technologies and EVs is driving exponential increases in adoption

Global market penetration of Solar Photovoltaic (PV) and Electric Vehicle (EV) technologies over time



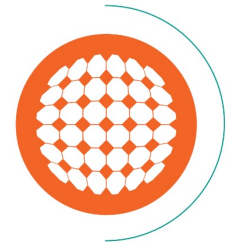




2 Renewable energy outlook

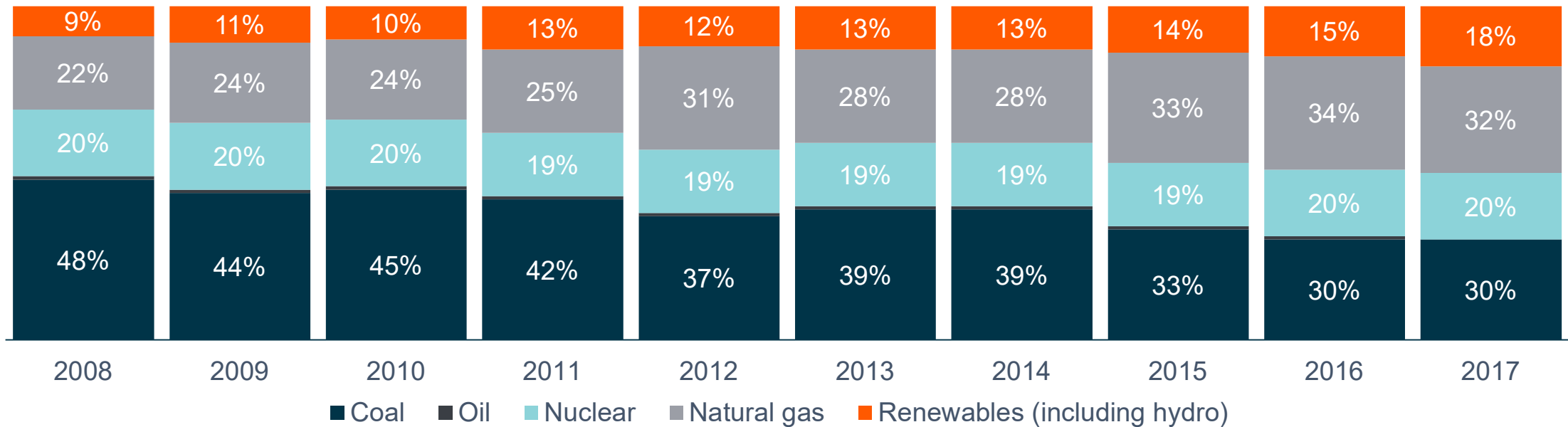


Renewable penetration



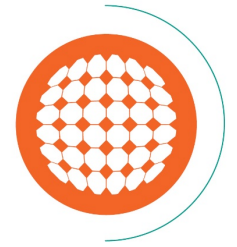
Renewable generation is increasing steadily in both the US and Australia

US electricity generation by fuel type



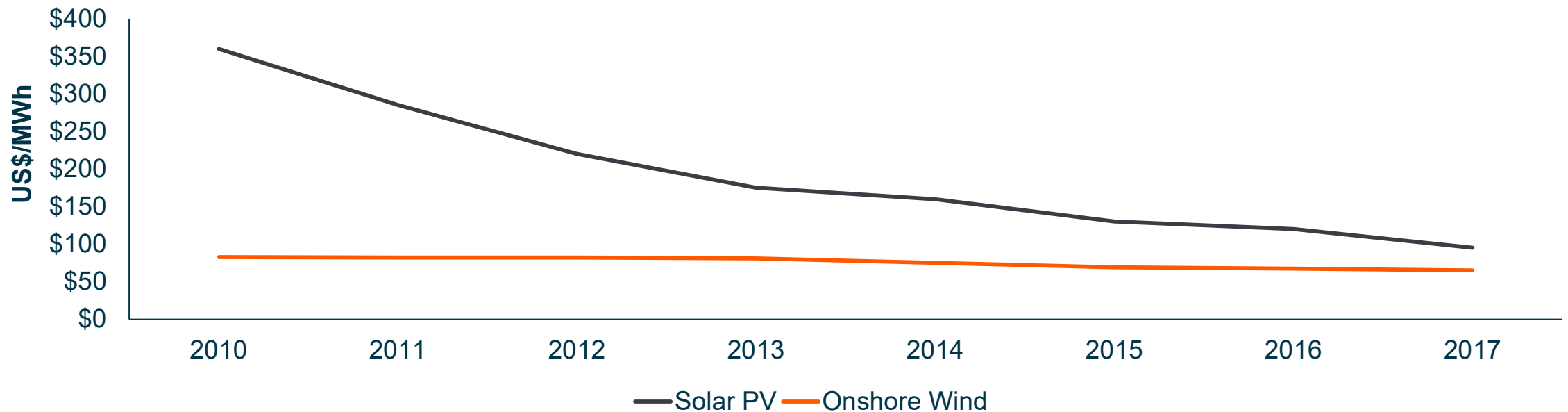
Source: Bloomberg New Energy Finance, Sustainable Energy in America 2018 Factbook.

The cost argument

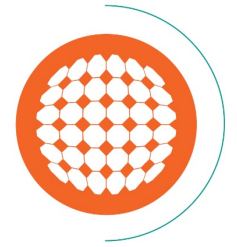


Renewable technology is quickly becoming the most cost effective means of producing electricity

Global weighted levelised cost of Solar PV and onshore wind

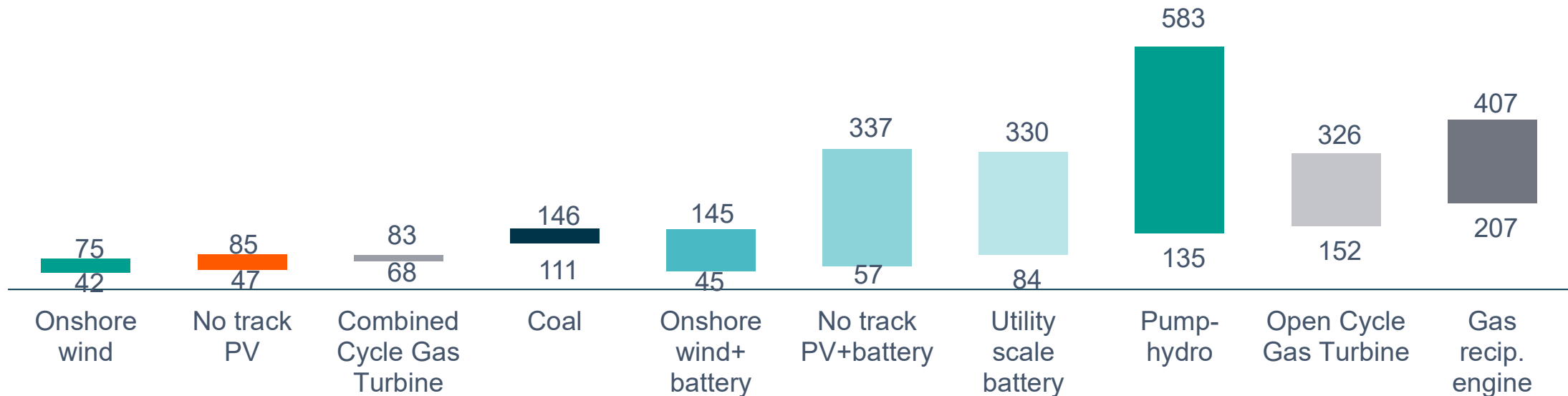


The cost argument

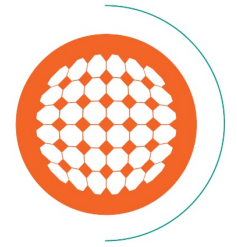


Renewable technology is quickly becoming the most cost effective means of producing electricity

Levelised cost of electricity 1H 2018 Australia US\$/MWh

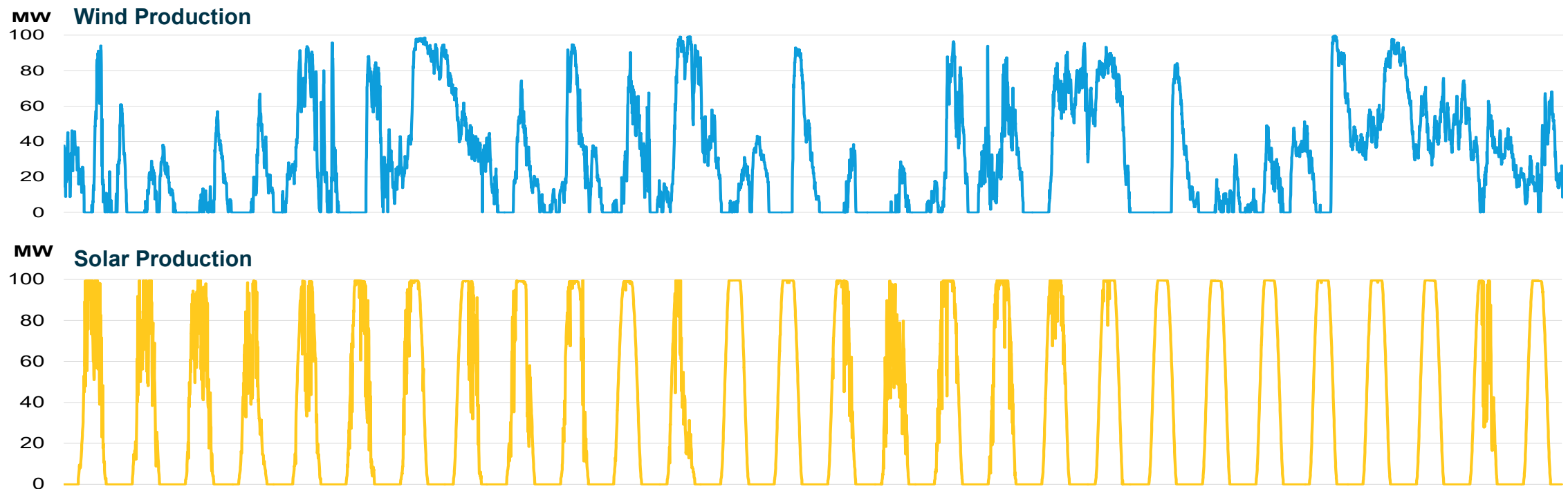


Renewable intermittency

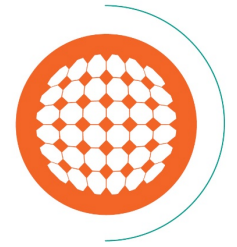


Electricity generation from renewable sources can be unpredictable and intermittent

Renewable energy generation example monthly profiles

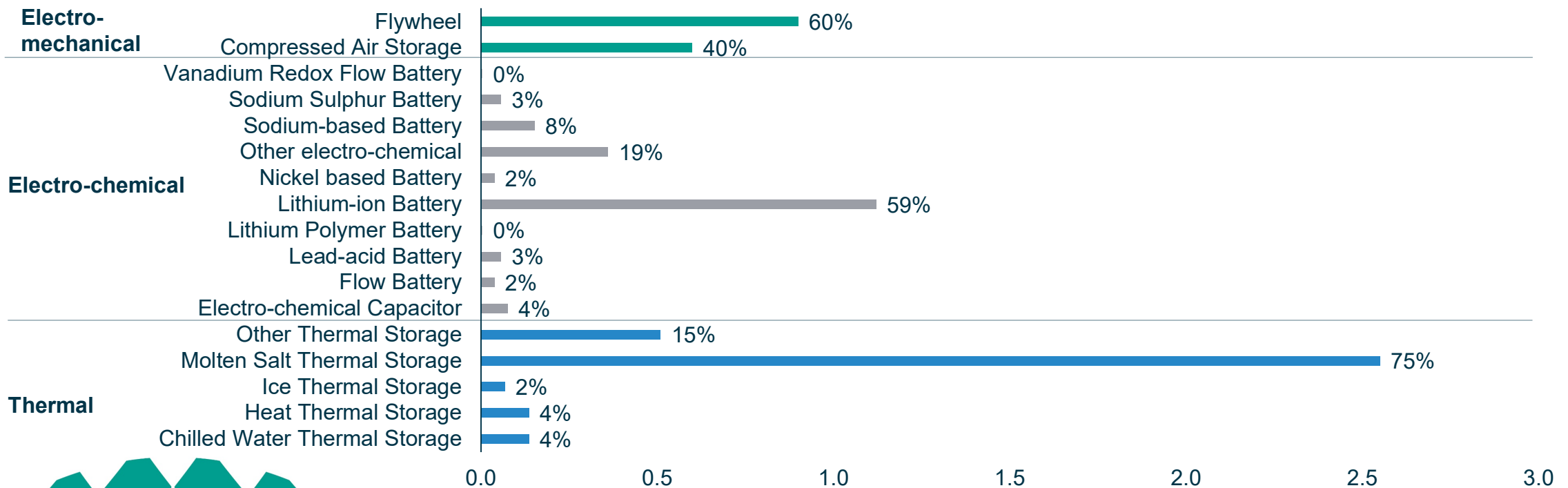


Storage alternatives



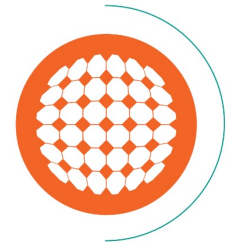
Of the 170GW of electricity storage that exists globally, Pumped Hydro makes up 96%

The remaining 4% of global energy storage by type GW



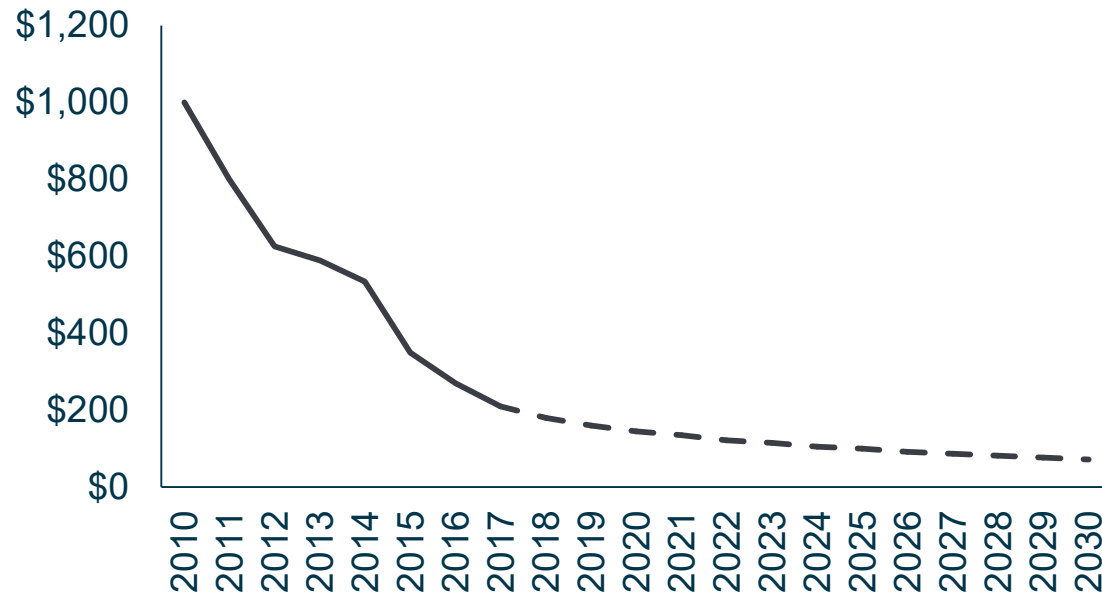
Source: IRENA Electricity Storage Costs 2017

The rise and rise of battery storage adoption

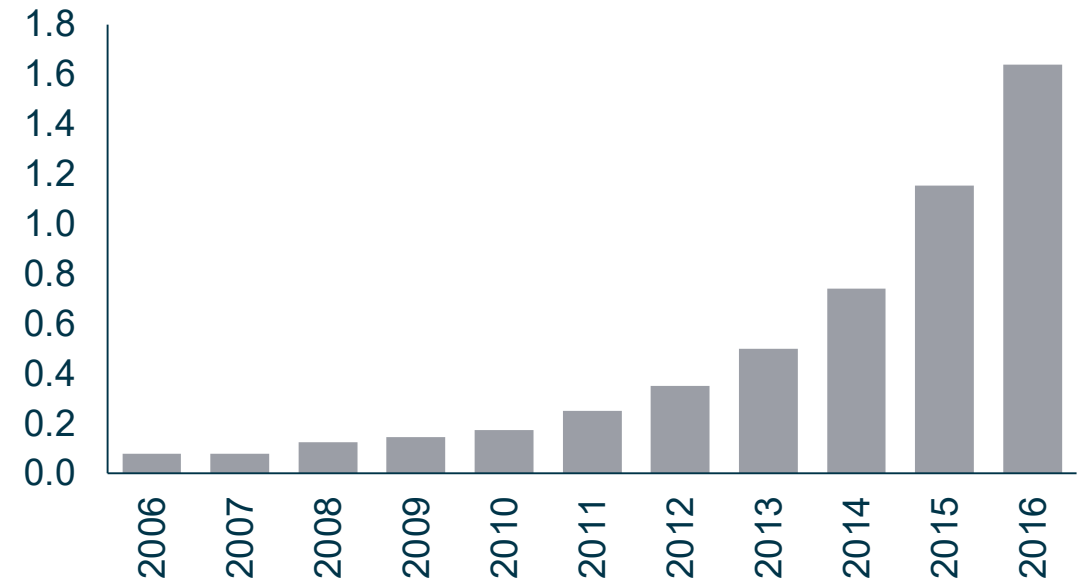


As batteries become cheaper and more efficient, adoption is increasing exponentially

LI-ION battery price forecast¹ US\$/KWh

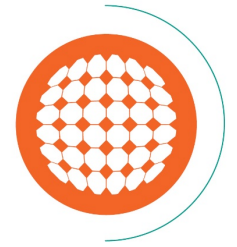


Global electro-chemical storage capacity² GW



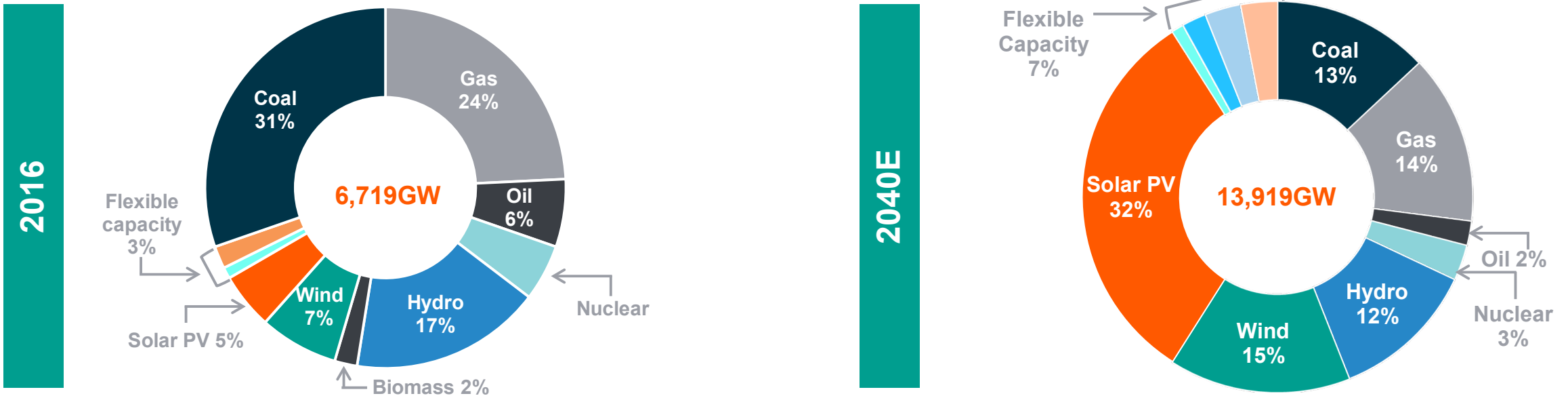
Notes: 1. Bloomberg New Energy Finance, Impact from the surge in Lithium and Cobalt Prices. 2. IRENA, Electricity Storage and Renewables: Costs and Markets to 2030

Projection of global generation capacity

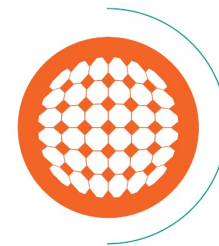


By 2040, solar PV is projected to represent 32% of global installed electricity generation capacity, up from 5% in 2016

Global installed generation capacity



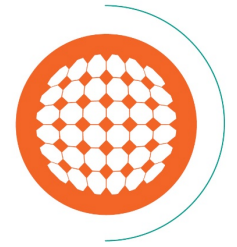




3 Divestment in fossil fuels

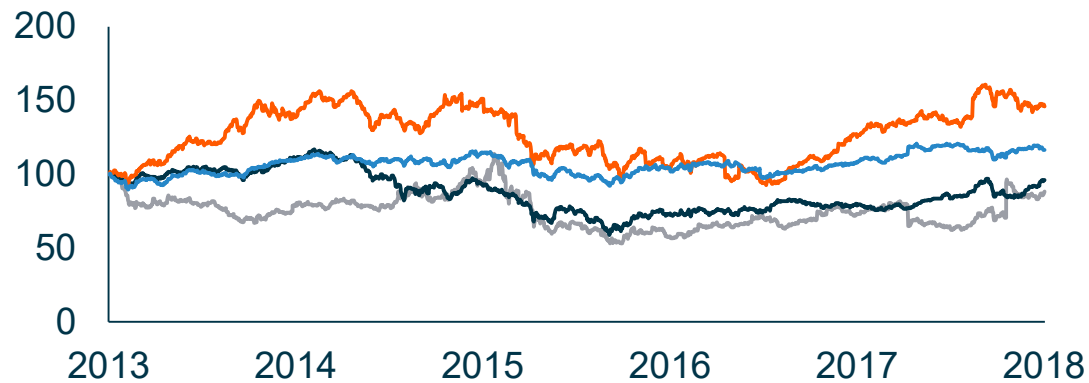


Trends in global energy investing



The current market capitalisation of the energy sector is in excess of US\$5 trillion

Market cap movements of relevant indices, rebased to 100 as at 18 May 2013¹



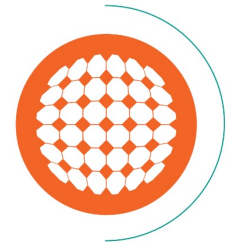
- Bloomberg World Coal Index
- Bloomberg World Oil and Gas Index
- Wilderhill New Energy Global Innovation Index
- Bloomberg World Utilities Index

Market cap of relevant indices as at 18 May 2018

INDEX	MARKET CAP (\$US)
Oil and Gas Investment (Bloomberg World Oil and Gas Index)	\$3.27tn
Coal Investment (Bloomberg World Coal Index)	\$0.19tn
Total Investment in Utilities (Bloomberg World Utilities Index)	\$2.02tn
New Energy Investment (Wilderhill New Energy Global Innovation Index)	\$0.30tn


Notes: 1. Bloomberg data sourced 18 May 2018

Case study: Royal Dutch Shell




Royal Dutch Shell is preparing for a low carbon future with help from its scenarios team

Royal Dutch shell clean energy initiatives¹



Recent purchase of two EV charging firms

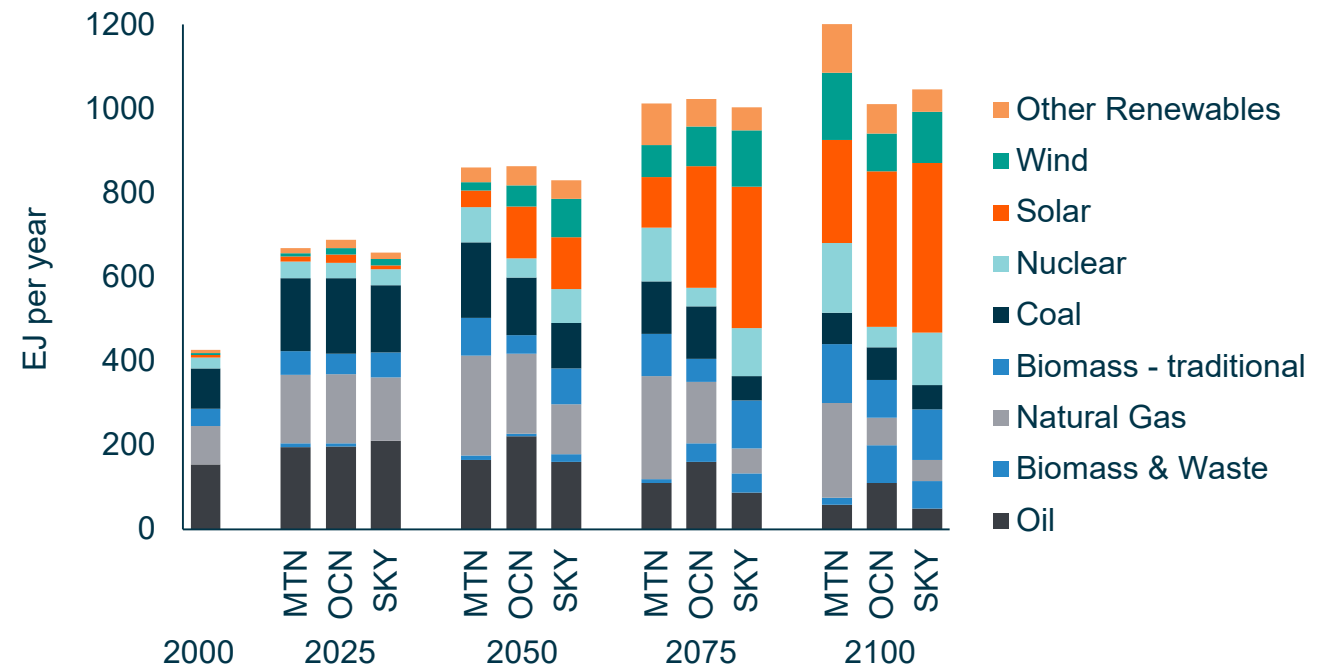


US\$2bn annual capex for new energies division 2018-2020



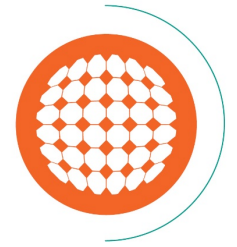
Commitment to cut the carbon footprint of products 20% by 2035 and 50% by 2050

Energy generation forecast by generator type and scenario²



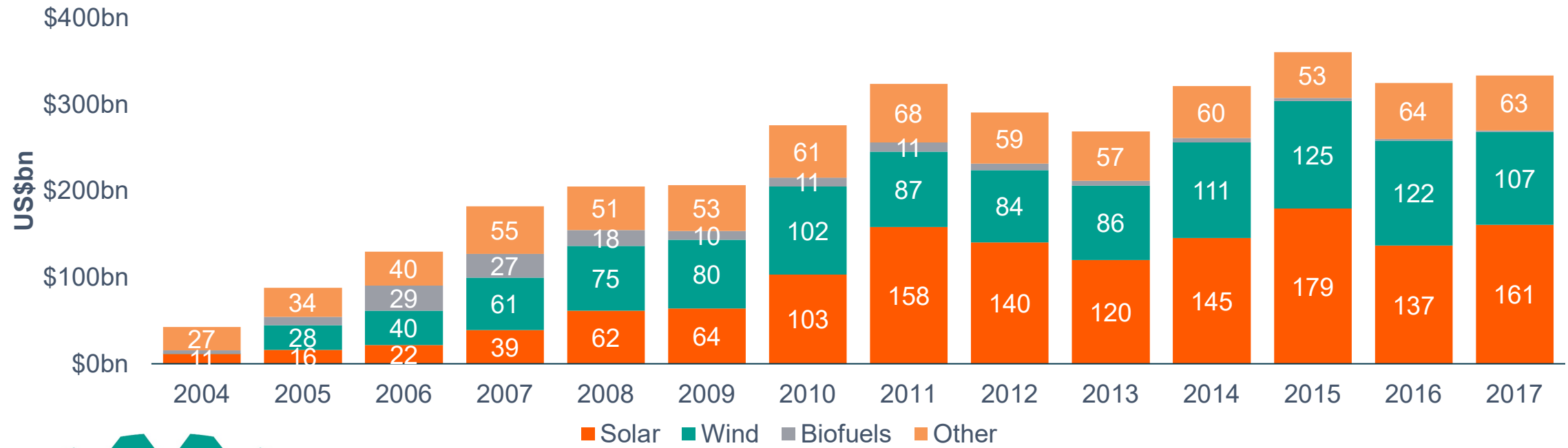
Notes: 1. The Guardian, Shell doubles up on green spending and vows to halve carbon footprint. 2. Shell Energy Transition Report

Renewable investment



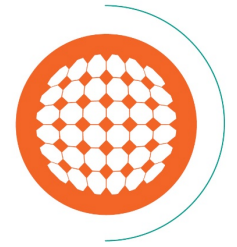
Renewable investment increases as fossil fuel divestment progresses

Global new investment in clean energy by sector



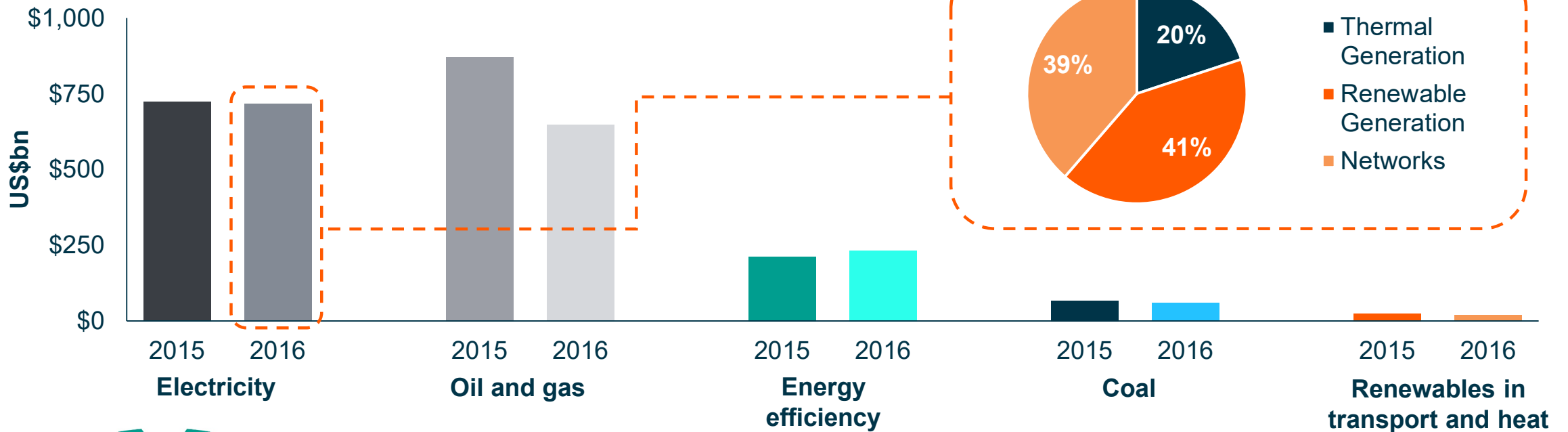
Source: Bloomberg New Energy Finance, Clean Energy Investment Trends

Renewable investment



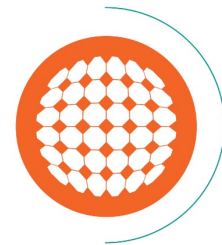
Renewable investment increases as fossil fuel divestment progresses

Total global energy investment



Hanover – May 2018

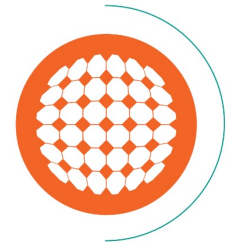




4 Update on NEW




Key achievements




New Energy Solar has delivered financial and environmental returns to its investors




Distributed
A\$13m to
investors in
February



Capacity
weighted
average PPA
term of 17.5
years



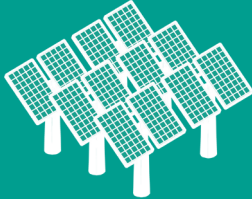
More than
1.5 million
solar
panels¹




...equivalent
to the CO₂
emissions
from 2.4
million barrels
of oil³...




Total
portfolio
capacity
of
680MW_{DC}



20 sites
across
1,500
hectares



Displacing an
estimated
895,000
tonnes of
CO₂²

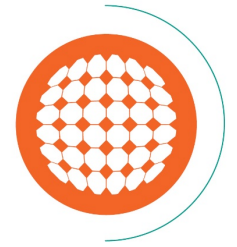


...or powering
156,000
homes⁴



Notes: Estimates assume all construction and committed projects are operational and all projects and plants owned on a 100% basis. 1. Figure excludes Rigel portfolio. 2. Calculated using the US Environmental Protection Agency's Avoided Emissions and generation Tool (AVERT). 3. Calculation based on the US Environmental Protection Agency's Greenhouse Gas Equivalences Calculator. 4. Based upon an average house utilising approximately 8,375 KWh per annum.

Portfolio Summary



20 plants with blue-chip offtake and a capacity weighted PPA term remaining of 17.5 years as at 31 March 2018

Oregon Plants

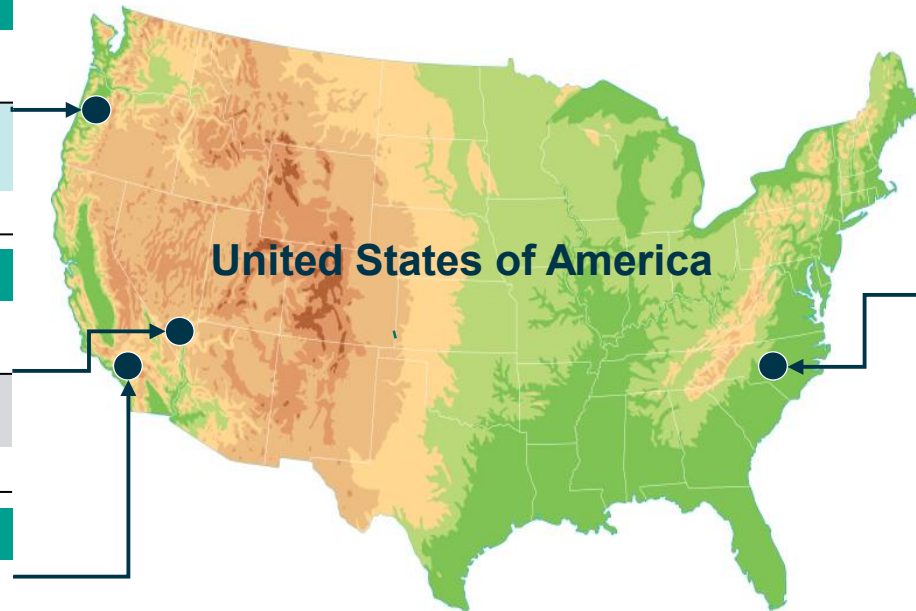
Name	Capacity (MW _{DC})	Location	Offtaker
Bonanza	6.8	Klamath	PacifiCorp
Pendleton	8.4	Umatilla	PacifiCorp
Total	15.2		

Nevada Plants

Name	Capacity (MW _{DC})	Location	Offtaker
Boulder Solar 1	125.0	Clarke County	NV Energy
Total	125.0		

California Plants

Name	Capacity (MW _{DC})	Location	Offtaker
Mount Signal 2	200.0	California	Southern California Edison
Stanford SGS	67.4	Rosamond	Stanford University
TID SGS	67.4	Rosamond	Turlock Irrigation District
Total	334.8		



North Carolina Plants

Name	Capacity (MW _{DC})	Location	Offtaker
NC-31	43.2	Bladenboro	Duke Energy Progress
NC-47	47.6	Maxton	Duke Energy Progress
Arthur	7.5	Columbus	Duke Energy Progress
Hanover	7.5	Onslow	Duke Energy Progress
Heedeh	5.4	Columbus	Duke Energy Progress
Organ Church	7.5	Rowan	Duke Energy Carolinas
County Home	7.2	Richmond	Duke Energy Progress
Church Road	5.2	Johnston	Duke Energy Progress

Total 131.1

Additional Committed US Projects

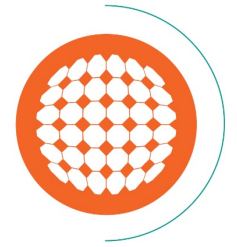
Name	Capacity (MW _{DC})	Location	Expected Offtaker
Rigel Portfolio ²	73.8	North Carolina and Oregon	Duke Energy Progress and PacifiCorp
Total	73.8		

Key

Operational
Acquired / under construction
Committed

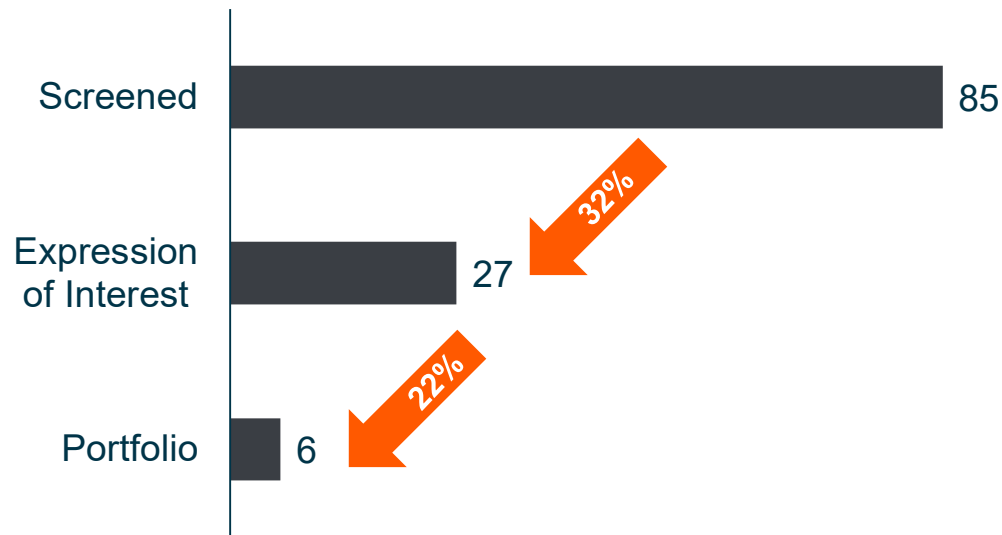
Notes: Includes plants that are either wholly or partly owned by NEW. Total portfolio of 680MW_{DC} includes plants that are operational, acquired and under construction or committed. 1. PPA terms of committed projects have been determined from commercial operations date. 2. Rigel Portfolio refers to portfolio of assets NEW has committed to acquire from Cypress Creek Renewables.

Acquisition update

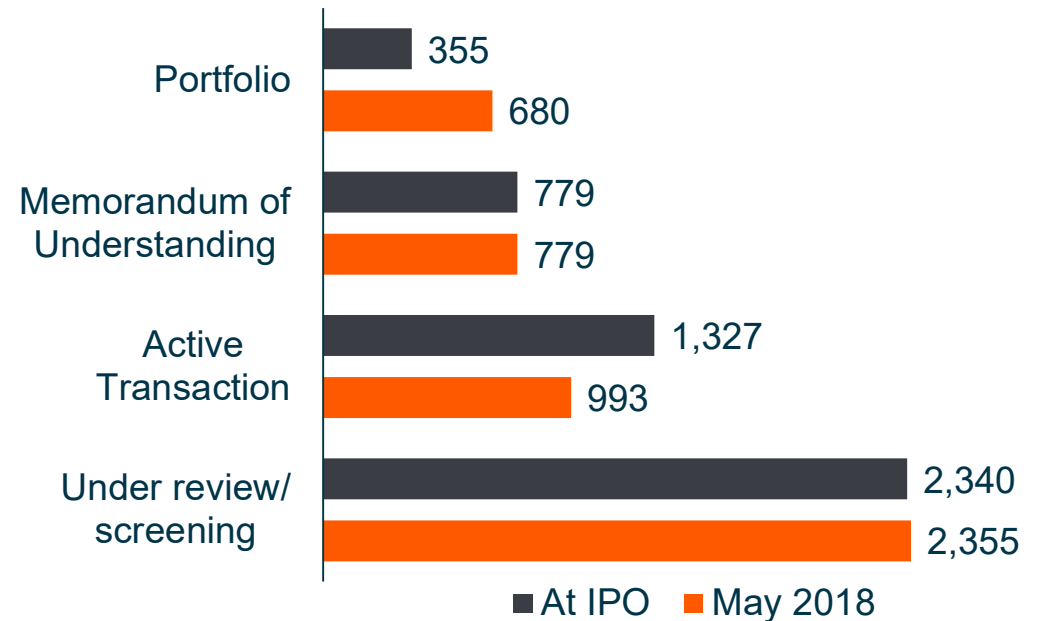


NEW remains well placed to transact on a significant pipeline of quality opportunities

Pipeline conversion by number of opportunities

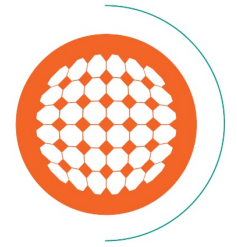


Investment opportunity pipeline MW



Notes: There is no guarantee that the assets in the current pipeline will be acquired, or that they have the same risk and return profile of NEW's current portfolio. Active Transaction – where the business is participating in a non-exclusive sale process. Under Review/Screening – where the Business is currently conducting a preliminary review of an acquisition opportunity's characteristics in order to decide where to participate in a sale process of otherwise engage with the vendor. At IPO – refers to the pipeline disclosed in the New Energy Solar Offer Document dated 2 November 2017.

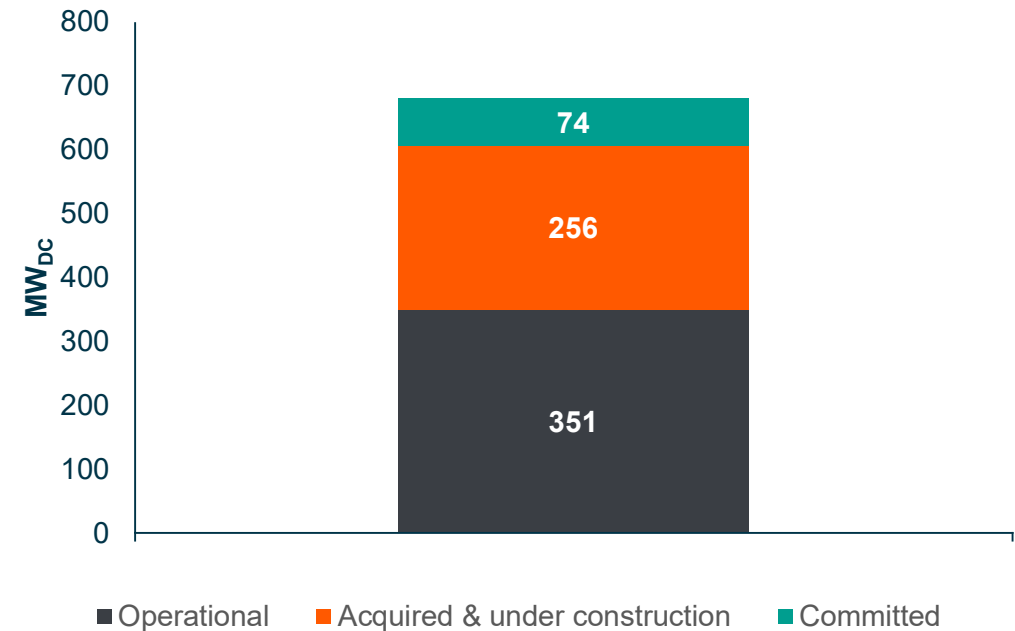
Acquisition update



Since listing, New Energy Solar has reached financial close on ten assets with combined capacity of 381MW_{DC} whilst further progressing committed assets

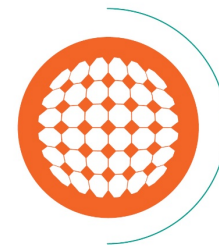


Portfolio composition by asset stage



TID SGS Ground View – October 2017

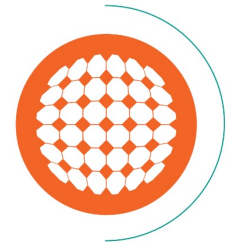




5 Conclusion and Outlook

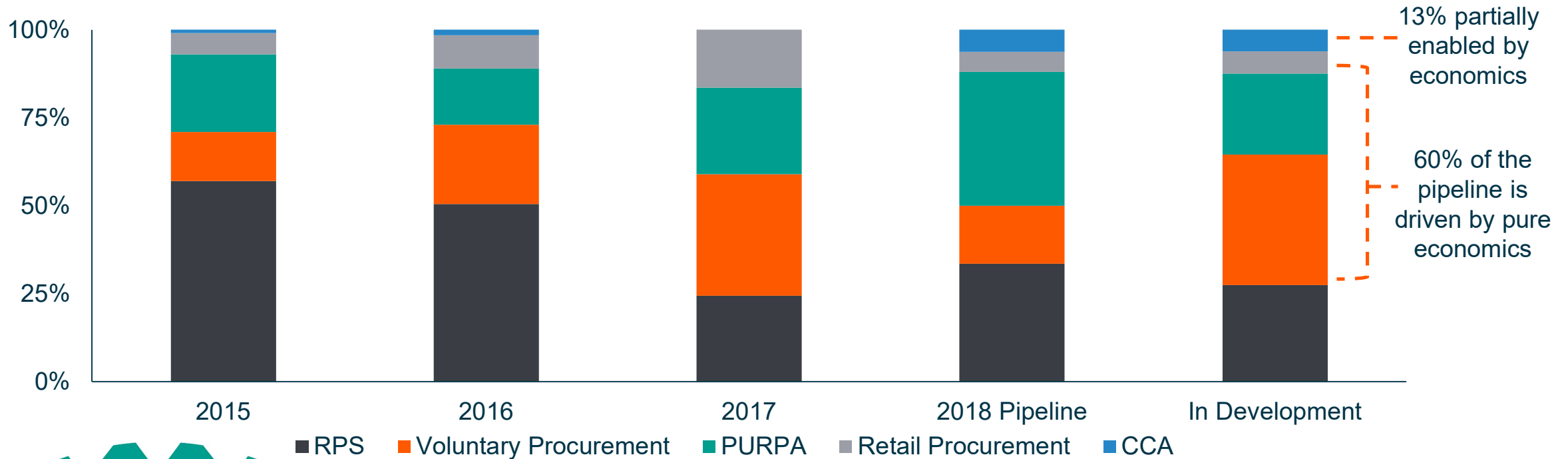


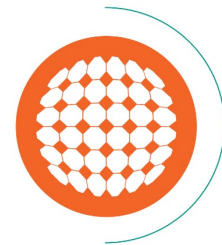
What's next for renewable energy?



Improving economics is expected to continue driving the adoption of renewable generation technology

Operating and contracted us utility scale solar by procurement driver





6 Q&A



