

New Energy Solar Capital Raising November, 2016

**Version: Roadshow** 

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**1.0** Sustainable infrastructure

- **2.0** Fund update
- **3.0** The offer



# 1 Sustainable infrastructure



## Why renewables?

Up to US\$37 trillion to be deployed in energy in the next 35 years

Projected annual global investment required to meet decarbonisation targets

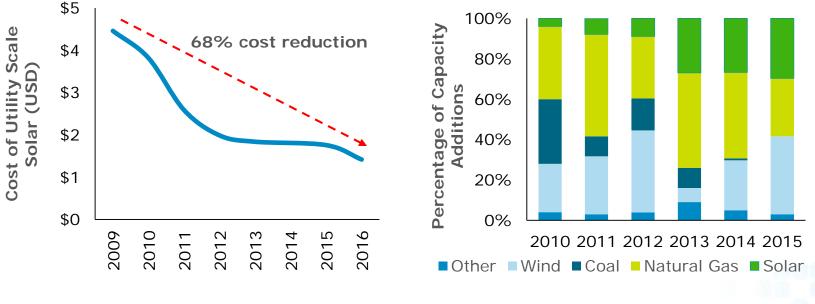


# Why solar?

Declining costs see solar becoming increasingly competitive as a new build, and renewable build outpacing thermal

Installed cost of utility scale solar in the US 2009–Q1 2016

US power capacity additions 2010–2015



Source: NREL, 2016

Source: SEIA, 2016



# **New Energy Solar**



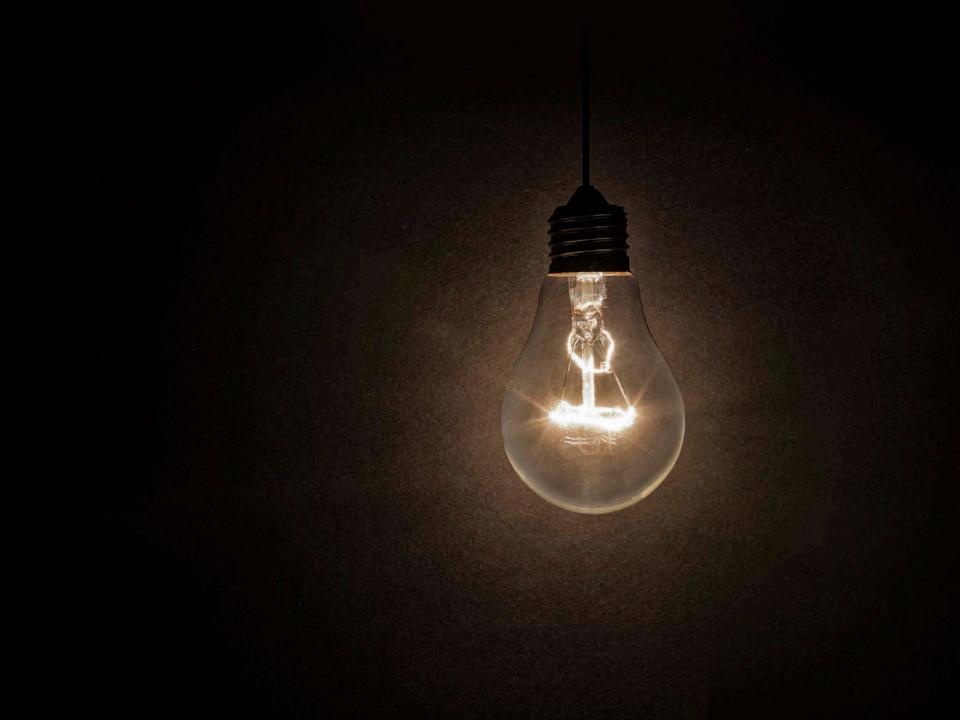


New Energy Solar capital raising

# Fund update

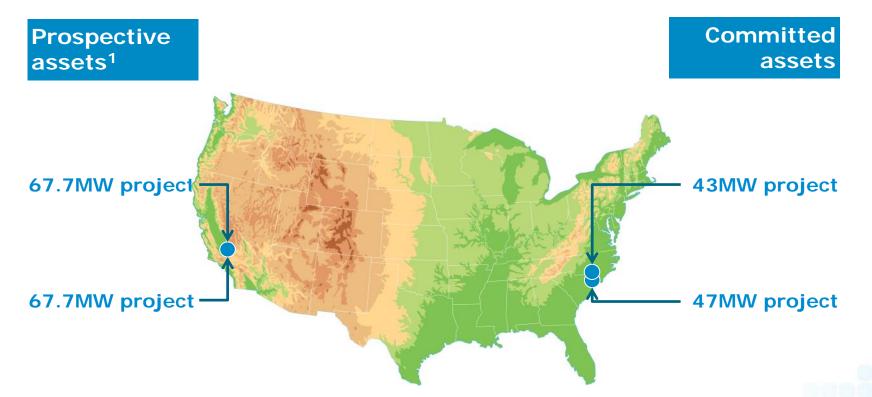


New Energy Solar capital raising



### **Progress to date**

### 2 projects committed and 2 projects under exclusivity



#### Note:

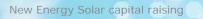
1. Assets are currently subject to exclusive due diligence by the Fund but no binding commitments have been made to acquire the assets.



### The issue

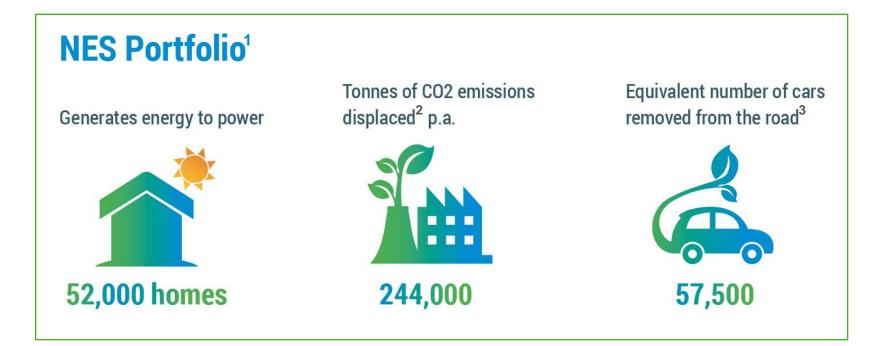






# The impact

### Electricity without emissions



#### Note:

- 1. Estimated combined environmental impact of the Fund's portfolio once assets are operational. Assumes acquisition of Stanford Solar Generating Station and TID Solar Generating Station, which are not guaranteed.
- 2. Emissions that would be produced annually if the same amount of energy was produced by a coal fired plant instead.
- 3. Number of cars per annum that produce an equivalent amount of C02 emission.



# **2.1 North Carolina Projects**



## North Carolina 43MW (NC-31)

### NC-31 panels being mounted

NES investment <sup>1</sup>	US\$41.7m
Target operation date	Q1 2017
Lease term	30 years (20 years + 2 x 5 year options)
PPA term	10 years
5-year target gross average yield	6.4% p.a.
Panels used	Canadian Solar

#### Note:

1. The Fund has made a binding commitment to acquire a majority interest in the asset. Final funding subject to commencement of commercial operations.



### **NC-31 construction photos**

### NC-31 Laydown Yard

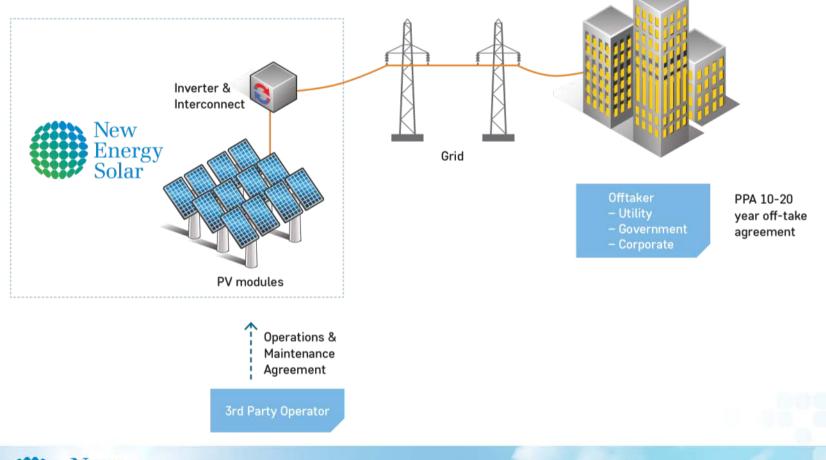


#### **NC-31 Substation**





### What is the Fund investing in?

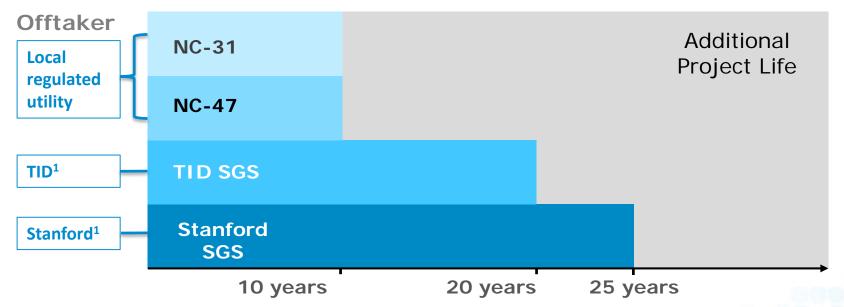




### **Power Purchase Agreement offtakers**

Targeting projects that have highly creditworthy offtakers

Portfolio weighted average PPA of approximately 17 years



#### Note:

1. Assets are currently subject to exclusivity but have not yet been acquired. There is no guarantee that these assets will be acquired by the Fund.



### North Carolina 47MW (NC-47)

### NC-47 site

NES investment <sup>1</sup>	US\$47.3m
Target operation date	Q1 2017
Lease term	40 years (20 years + 4 x 5 year options)
PPA term	10 years
5-year target gross average yield	6.4% p.a.
Panels used	Canadian Solar
	Target operation dateLease termPPA term5-year target gross average yield

Note:

1. The Fund has made a binding commitment to acquire a majority interest in the asset. The acquisition subject to commencement of commercial operations.



### **Asset Management**

Outsourced approach with oversight

Initial operations and maintenance

Project	O&M provider
NC-31	Gransolar
NC-47	Depcom Power
Stanford	SunPower
TID	SunPower



SunPower Robotic Cleaning

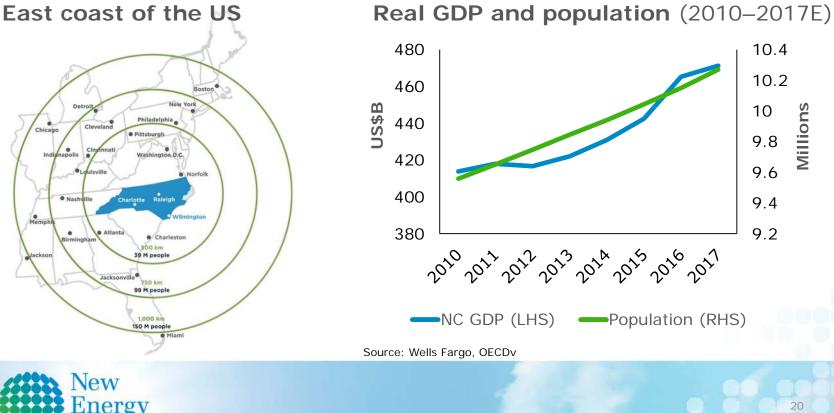
### Use of technology to drive efficiency



### North Carolina – macro outlook

Solar

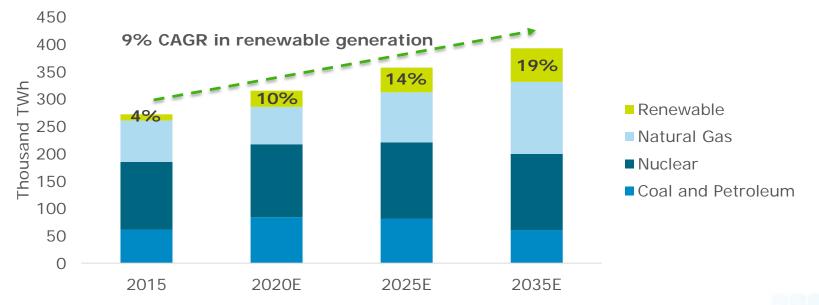
Steady GDP and population growth driven by strategic industrial growth, tech-centric metro areas, and expanding urban development



## North Carolina – electricity outlook

Strong demand growth plus coal and oil retirements drive renewable capacity growth

SERC-VC annual electricity generation by fuel 2015 – 2035E





Source: EIA 2016

# **2.2** California projects



### **Stanford and TID Solar Generation Stations**





### **Stanford Solar Generating Station<sup>1</sup> (67.7MW)**

#### **Stanford SGS**

	Target operation date	Dec 2016
	PPA term	25 years
Stanford Solar	5-year target gross average yield	6.5% p.a.
	Panels used	SunPower

#### Note:

1. The asset is currently subject to exclusive due diligence by the Fund but no binding commitments have been made to acquire a majority interest in the asset.

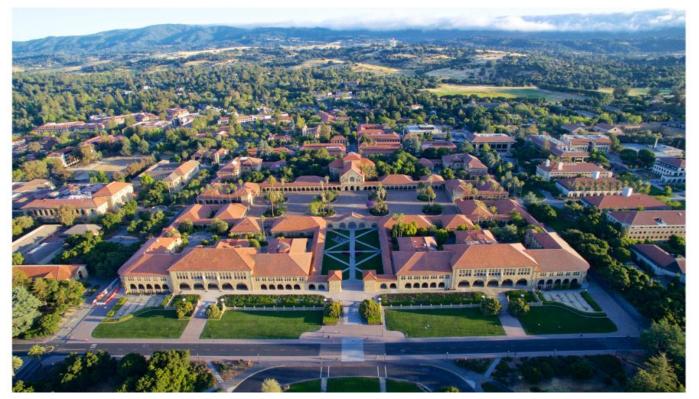






### **Offtaker – Stanford**

### World leading university



### US\$30.4 billion net assets



## TID Solar Generating Station<sup>1</sup> (67.7MW)

#### TID SGS

	Target operation date	Dec 2016
	PPA term	20 years
TID 5GS	5-year target gross average yield	6.5% p.a.
	Panels used	SunPower

Note:

1. The asset is currently subject to exclusive due diligence by the Fund but no binding commitments have been made to acquire a majority interest in the asset.



### **Offtaker – TID Water & Power**

Publicly owned electricity and water provider

- Servicing Californian agricultural areas
- US\$1.7 billion total assets<sup>1</sup>



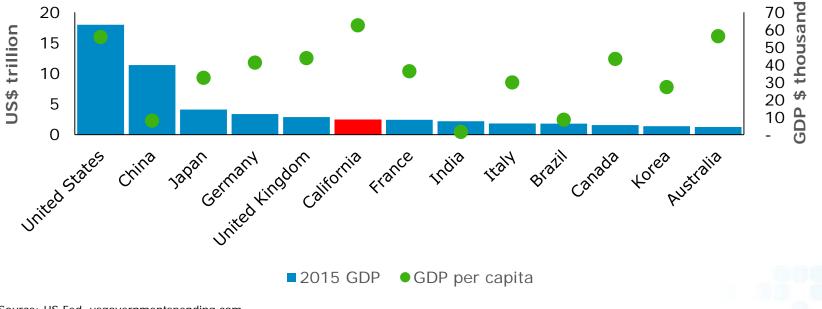
Note:

1. As at 31 December 2015.



### California – macro outlook

The largest economy in the US, and a significant economy globally



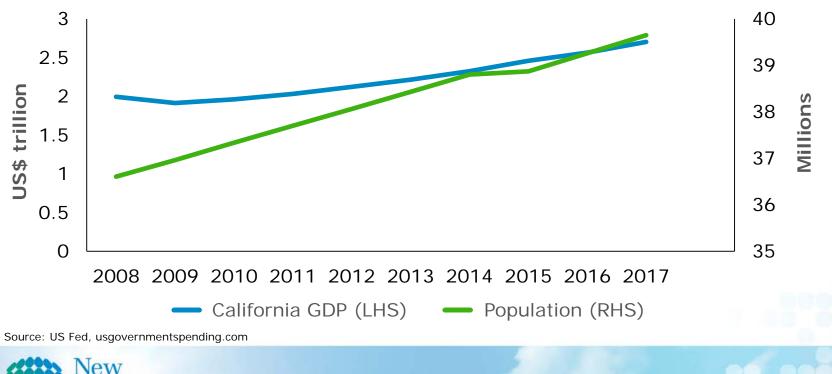
Global 2015 GDP (nominal) + California

Source: US Fed, usgovernmentspending.com



### California – macro outlook

Steady economic recovery post-GFC and a growing population



Real (2009) GDP and Population 2008–2017E

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olar

# **California – electricity outlook**

Another focal point for renewable development in the US

300 5% CAGR in renewable generation 250 Thousand TWh 200 Renewable 59% 47% 51% 33% Natural Gas 150 Nuclear 100 Coal and Petroleum 50 0 2015 2035E 2020E 2025E

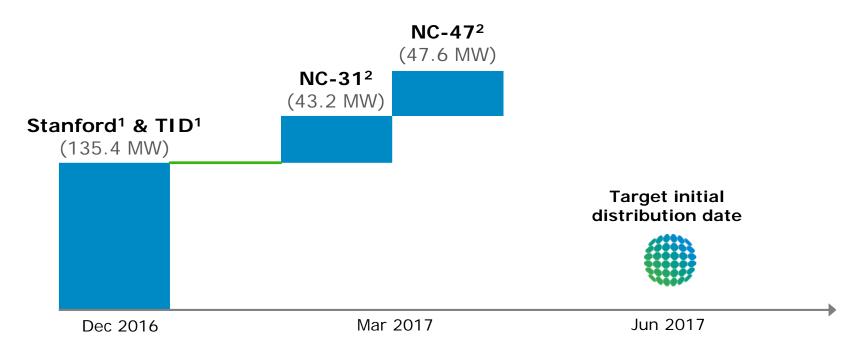
WECC California annual electricity generation by fuel 2015 – 2035E

Source: EIA



### **Operational timeline**

Targeting over US\$200m invested in under 18 months and...



### ...semi annual distributions commencing 30 June 2017

#### Note:

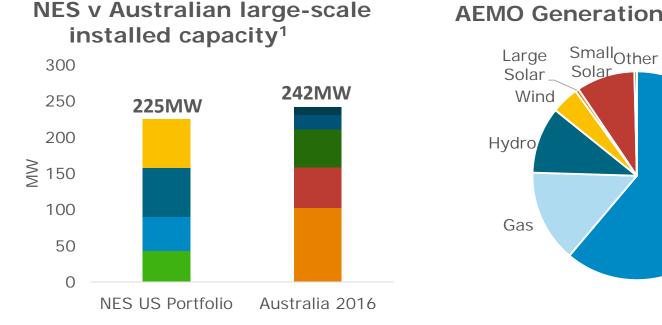
1. Assets are currently subject to exclusive due diligence by the Fund but no binding commitments have been made to acquire the assets.

2. Assets are currently under construction.



### Australia – overview

Australia's solar contribution is at a very early stage and is still heavily reliant on black and brown coal



#### AEMO Generation snapshot<sup>2</sup>





2. Operating projects larger than 5MW

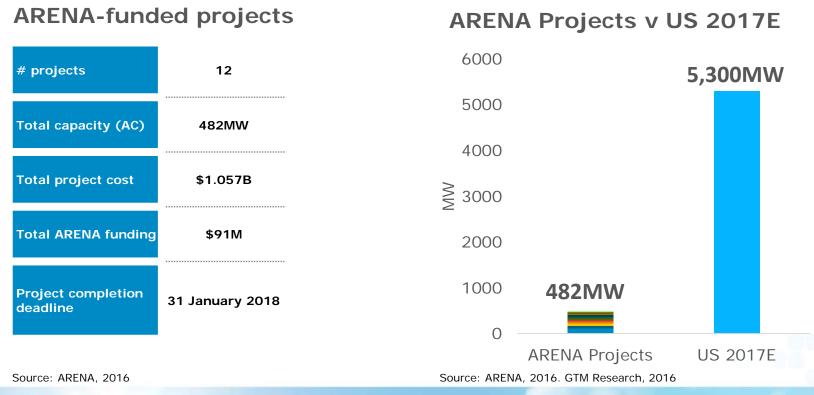
1. Actual generation on 11 November 2016 at 2.30pm

Note:

Coal

### 2017 Outlook – Australia and US

The latest ARENA funding round will support 482MW of utility-scale solar build in 2017, coming online in 2018





# The Offer



# **Key dates and offer details**

Mir	Мах	Over
Subscription \$60 m	illion \$120 million	\$200 million
Application Price	\$1.62	2 per stapled security
Issue Date		9 December 2016
Offer Closing Date		5 December 2016
Offer Opening Date		14 November 2016

The dates above are indicative only and may vary subject to the requirements of the Corporations Act. The Responsible Entity and the Company may vary the dates and times of the Offer (including closing the Offer early).



# **Management Costs**

#### **Offer fees**

Type of fee or cost	Amount
Structuring fee	1.566% <sup>1</sup> of the gross proceeds of the Offer
Handling fee	1.566% <sup>1</sup> of the gross proceeds of the Offer

#### **Annual fees**

Responsible entity fee (Trust only)	0.0836% <sup>1</sup> per annum of the gross asset value of the Trust
Investment manager fee	0.7175% <sup>1</sup> per annum of the gross asset value of the Fund

#### One off costs

Acquisition and disposal fee	1.5% <sup>2</sup> of the purchase price or net sale proceeds
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#### Notes:

1. Inclusive of GST and net of RITC

2. Exclusive of GST



# Risks

It is very important that you consider the risks in Section 7 of the Offer Document

### Key risks

<ul> <li>Broad investment strategy</li> </ul>	<ul> <li>Illiquidity risk</li> </ul>
<ul> <li>Changes in long-term electricity prices</li> </ul>	<ul> <li>Electricity supply and demand for renewable energy</li> </ul>
<ul> <li>Pre-operational asset risk</li> </ul>	<ul> <li>Regulatory risk</li> </ul>
<ul> <li>Counterparty and Warranty risk</li> </ul>	Currency risk



### **Investment benefits**

It is an exciting time to be investing in New Energy Solar





