

FINANCING CLEAN ENERGY IN ECOTOURISM AND THE GREAT BARRIER REEF

TRACEY LINES, DIRECTOR - REEF DEVELOPMENT
NOVEMBER 2018



CEFC MISSION

To accelerate **Australia's transformation** towards a more **competitive economy** in a carbon constrained world, by acting as a **catalyst** to **increase investment in emissions reduction**.



**TRANSFORMING
CLEAN ENERGY
INVESTMENT**



WHO WE ARE

- Specialist clean energy financier offering a unique mix of finance and clean energy expertise
- Proven track record in clean energy investment
- Focus on projects and sectors with the strongest potential for decarbonisation
- National footprint



WHAT WE OFFER

- Tailored finance for renewable energy, energy efficiency and low emissions projects
- Private sector expertise with a public policy purpose
- Access to \$10 billion capital
- Independently-run, operating with commercial rigour

WHY WORK WITH US



EXPERT

We have a breadth of expertise across our target sectors, working closely with project partners to deliver clean energy outcomes which make economic and commercial sense while lowering carbon emissions.



COMMERCIAL

We take a commercial approach to our activities, delivering a positive financial return on our investments, while also delivering on our public policy purpose to increase finance for Australia's clean energy transformation.



TRANSFORMATIVE

We operate at the forefront of the finance and clean energy sectors, helping businesses meet sustainability and economic goals and benefit from rapid advances in clean energy technologies.



INNOVATIVE

We provide tailored debt and equity finance to businesses and projects which develop and commercialise clean energy technologies at early and later stages of development.

ABOUT THE CEFC



A unique mix
of finance and
**clean energy
experts**



Proven track
record in
**clean energy
investment**



\$10 billion
capital backed by
the Australian
Government

110+
direct investments
over 5 years

90+ employees
across offices in
**3 states with
national focus**

~5,500
smaller-scale
**projects
delivered**

\$5.3 billion portfolio*
focused on industry sectors with strong
potential for decarbonisation

*Investment commitments as at 30 June 2018

**NATIONAL
COMMITMENTS:**
\$2.8 billion

PLUS

**STATE-BASED
COMMITMENTS:**
\$2.5 billion



CEFC investment commitments at 30 June 2018

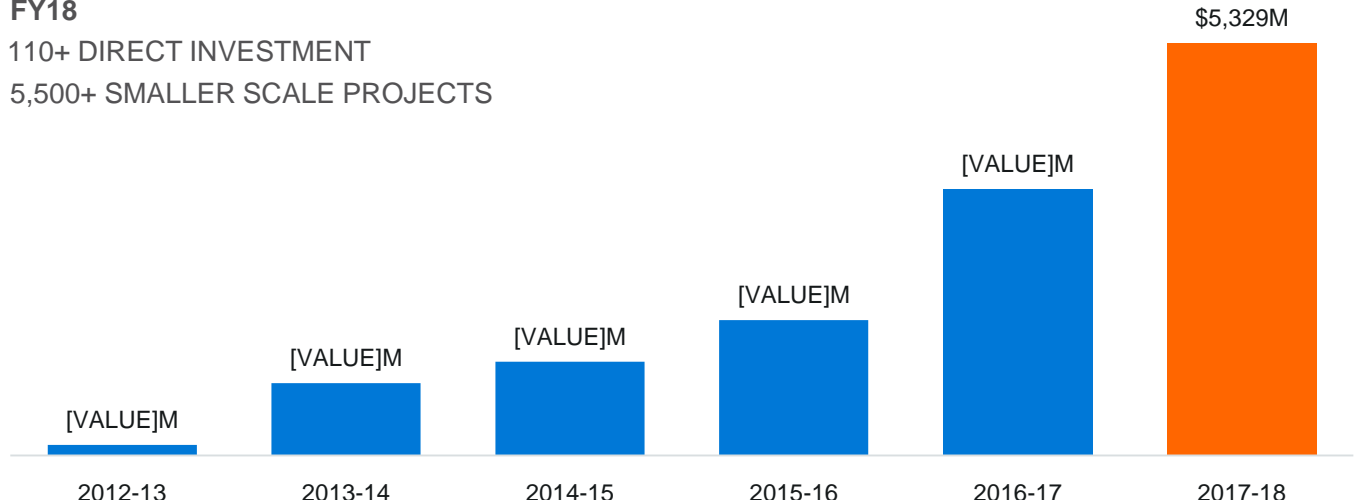
Contributing to the achievement of Australia's commitments
under the Paris Agreement **to reduce emissions by
26-28% by 2030**

CEFC INVESTMENT COMMITMENTS \$5.3B

FY18

110+ DIRECT INVESTMENT

5,500+ SMALLER SCALE PROJECTS



CEFC INVESTMENT COMMITMENTS

CONTRIBUTING TO LOWER EMISSIONS

FY18 COMMITMENTS

\$2.3B

NEW INVESTMENT
COMMITMENTS

39

DIRECT
INVESTMENTS

\$1.80:\$1.00

PRIVATE SECTOR
LEVERAGE

FY18 TECHNOLOGIES

\$1.1B

RENEWABLE ENERGY

\$939M

ENERGY EFFICIENCY

\$100M

TRANSPORT

\$127M

WASTE, BIOENERGY

CEFC PORTFOLIO

\$5.3B

COMMITMENTS*

110+

DIRECT INVESTMENTS

5,500+

SMALLER SCALE
PROJECTS

9+

INNOVATION COMPANIES

PORTFOLIO IMPACT

10.8M tCO₂-e

ANNUAL ABATEMENT EST

190M tCO₂-e

LIFETIME ABATEMENT EST

2,400MW

RENEWABLE ENERGY

20+

SOLAR FARMS

10+

WIND FARMS

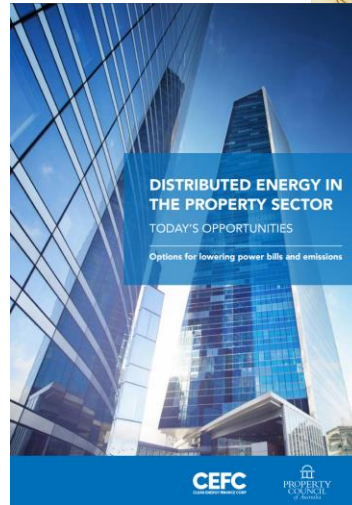


*After allowing for new investments in each year, minus loans fully amortised, repaid or exited, and expired or cancelled undrawn commitments, at 30 June 2018.

PROPERTY SECTOR

Proven clean energy technologies:

- Solar PV
- Batteries
- Thermal Storage
- Solar Hot Water
- Air Source Heat Pumps
- Ground Source Heat Pumps
- Renewable Energy Supply from Offsite Projects
- Smart Meters
- Building Management Systems



INVESTA

**LANDMARK
AGREEMENT TO PUSH
THE BOUNDARIES OF
ENERGY EFFICIENCY
IN COMMERCIAL
PROPERTY**

CEFC
CLEAN ENERGY FINANCE CORP





ST GEORGE
COMMUNITY HOUSING

SUPPORTING
THE DEVELOPMENT
OF ~500 ENERGY
EFFICIENT HOMES
FOR LOW INCOME
FAMILIES

CEFC
CLEAN ENERGY FINANCE CORP

LOOKING AHEAD...



Enormous equity and debt appetite for the sector but constrained ability to take merchant risk



Investment required in nation-building projects such as Snowy 2.0, Tas Battery of the Nation and interconnectors



More distributed energy and technologies to assist integration into the grid



Solving the investment challenge to unlock renewable energy hubs and finance storage projects

PRIORITISING CRITICAL INDUSTRY SECTORS

Low carbon
electricity



Large-scale
solar



Wind



Agriculture, bioen-
ergy, waste



Grid solutions

Energy
efficiency



Property



Infrastructure



Manufacturing, re-
sources



Community
housing



Councils, univer-
sities

Transport



Biofuels



Vehicles

MULTIPLE SOURCES OF CAPITAL



CEFC DIRECT

Our direct investments can include both debt products and equity investments, or a combination of both.



DEBT MARKETS

We support smaller-scale clean energy projects alongside co-financiers, as well as invest in climate bonds.



INVESTMENT FUNDS

We invest in major clean energy projects together with other investment funds in order to catalyse additional investment.



INNOVATION FUND

We invest in innovative technologies and businesses that benefit from growth or early stage capital.

INVESTING TO DELIVER POSITIVE FINANCIAL RETURNS



FINANCIAL OUTCOMES

Is there a positive
risk adjusted
return, reflecting
yield and risk
profile?

EMISSIONS REDUCTION

Will the project
deliver a significant
reduction in carbon
emissions?

MARKET IMPACT

Will the project drive
other investments
and leverage
additional capital?

CEFC REEF FUNDING PROGRAM

Specialised CEFC program bringing the benefits of clean energy to the GBR Catchment Area.

Finance for a wide range of businesses and activities for projects including:

- Renewable energy
- Energy efficiency
- Low emissions technologies



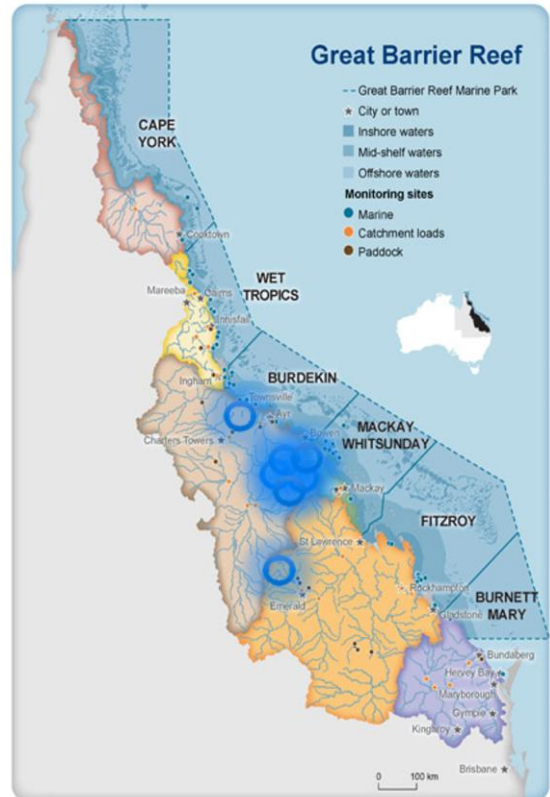
REEF 2050 PLAN

The overarching framework for protecting and managing the GBR:

- Climate change is the most significant threat to the future of coral reefs worldwide
- International efforts to reduce climate change plus national and local actions to build the resilience of the Reef is best pathway to protect the Reef
- Improving water quality is key

INVESTMENTS

- Direct outcome CEFC projects in the GBR (**Impact Projects**)
- Business as usual (BAU) CEFC projects located in the GBR catchment area



REEF FUNDING PROGRAM

LARGE SCALE > \$10M

SMALLER SCALE < \$5M

CEFC BAU

- Solar / Wind / Grid Solutions / Property in the GBR catchment
- 7 utility scale solar farms to date

IMPACT PROJECTS

- Focus of 2018 Origination Strategy
- Water quality within CEFC mandate

CEFC BAU

- Aggregation Partnerships
- 341 projects, \$41.8 m invested to date

IMPACT PROJECTS

- Focus of Equipment Whitelist / Rebate
- 10 projects, \$2m invested to date

INVESTMENTS TO DATE – LARGE SCALE CEFC PROJECTS IN GBR CATCHMENT

Investment	Project Description	Commitment Date	CEFC Commitment \$AUD
Daydream and Hayman Solar Farms	Portfolio financing of 2 x utility scale solar farms totalling 200MW - the 150MWac Daydream Solar Farm and 50MWac Hayman Solar Farm near Collinsville, Queensland	10/08/2017	\$89,905,924
Palisade Partners IMA investment in Ross River Solar Farm	An investment in Ross River Solar Farm (135 MW solar farm located near Townsville, Queensland) through the investment mandate with Palisade Partners	16/12/2016	\$24,050,000
Whitsundays and Hamilton Solar Farms	Portfolio financing of 2 x utility scale solar farms - 120MW in Whitsundays (Collinsville, QLD)	10/03/2017	\$53,304,059
Collinsville Solar Farm	42MWAC solar PV project at Collinsville, North Queensland	5/05/2017	\$60,000,000
Clermont Solar Farm	90MW Solar Farm in Clermont, Queensland	14/12/2017	\$93,243,924
			\$320,503,907

INVESTMENTS TO DATE – SMALL SCALE COFINANCING IN GBR CATCHMENT

Partner	No of Projects	CEFC Contribution (\$)	Composition
CBA	45	12.9m	Predominantly agribusiness, also includes manufacturing
ANZ	9	3.1m	Program only just commenced, but predominantly solar PV, and energy efficiency in manufacturing and industry
NAB	79	17.5m	Predominantly solar PV, also includes agribusiness
WBC	31	7.0m	Totally solar PV
Origin*	177	1.3m	Totally solar PV
TOTAL	341	41.8m	

* Repaid

CLEAN ENERGY AND THE REEF

WHERE WE CAN INVEST



AGRICULTURE & BIO-EQUESTATION

- Aquaculture
- Equipment Whitelist
 - Rebate
 - Sugar / Grazing / Bananas
- Research reforestation



INFRASTRUCTURE & TRANSPORT

- Waste water treatment plants and sewage treatment plants
- Water storage and security
- Transmission



GRID & STORAGE SOLUTIONS

- Pumped hydro
- North Qld “Clean Energy Hub”
- Research and identify opportunities



PROPERTY

- Tourism
 - GBR Resorts
- Non Tourism
 - Commercial
 - Social



BIO-FUELS & BIO-PRODUCTS

- Continue focus on Qld bio-futures opportunities
- Research and identify opportunities



COLLINSVILLE
SOLAR FARM

REPURPOSING OLD
POWER STATION
SITE INTO A NEW
RENEWABLE
ENERGY BASE

GENEX

**FIRST IN AUSTRALIA
TO CO-LOCATE A
LARGE-SCALE
SOLAR FARM WITH A
LARGE-SCALE
PUMPED HYDRO
STORAGE PROJECT**

CEFC
CLEAN ENERGY FINANCE CORP



CEFC CONTACTS



Chris Wade

Director – Head of Property

@ Chris.Wade@cefc.com.au

☎ 0400 267 013



Yolande Pepperall

Associate Director – Aggregation Partnerships

@ Yolande.Pepperall@cefc.com.au

☎ 07 3188 1638



Tracey Lines

Director – Reef Development

@ Tracey.Lines@cefc.com.au

☎ 0401 828 024

CEFC

**TRANSFORMING
CLEAN ENERGY
INVESTMENT**

**CLEAN ENERGY
FINANCE
CORPORATION**

t. 1300 002 332
i. +61 2 8039 0800
e. info@cefc.com.au

cefc.com.au