

CLEAN ENERGY AND ENERGY EFFICIENCY OPPORTUNITIES

CAPRICORN ENTERPRISE BUSINESS BREAKFAST – JULY 2017

Paul McCartney, Chief Origination and Transaction Officer, CEFC

CLEANER POWER BIOENERGY LARGE-SCALE SOLAR GRID AI
SOLUTIONS WASTE GRID AND STORAGE WIND BIOENERGY AG
USING INFRASTRUCTURE BETTER BUILT GOVERNMENTS INFRA
RT PROPERTY INDUSTRY ENVIRONMENT UNIVERSITIES NOT FO
CLIMATE BONDS EQUITY FUNDS INNOVATION NEW SOURCES
OVATION EQUITY CLIMATE BONDS CO-FINANCIERS OF CAPITAL

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**.



ABOUT THE CEFC

WHO WE ARE

- A unique mix of finance and clean energy experts
- Proven track record in clean energy investment
- Independent government organisation
- National focus

WHAT WE OFFER

- Finance for cleaner power solutions and a better built environment
- \$10 billion capital
- Innovative finance, including debt and equity
- Private sector expertise with a public policy purpose

INVESTING ACROSS THE ECONOMY

LOW CARBON ELECTRICITY



LARGE SCALE SOLAR



WIND



WASTE, BIOENERGY
AND AGRICULTURE



GRID AND STORAGE
SOLUTIONS

ENERGY EFFICIENCY



LOCAL GOVT AND
UNIVERSITIES



COMMUNITY HOUSING



PROPERTY



INFRASTRUCTURE



MANUFACTURING &
INDUSTRY



AGRICULTURE

ELECTRIFICATION AND FUEL SWITCHING



VEHICLES



BIOFUELS

A SPECIAL FOCUS ON THE REEF

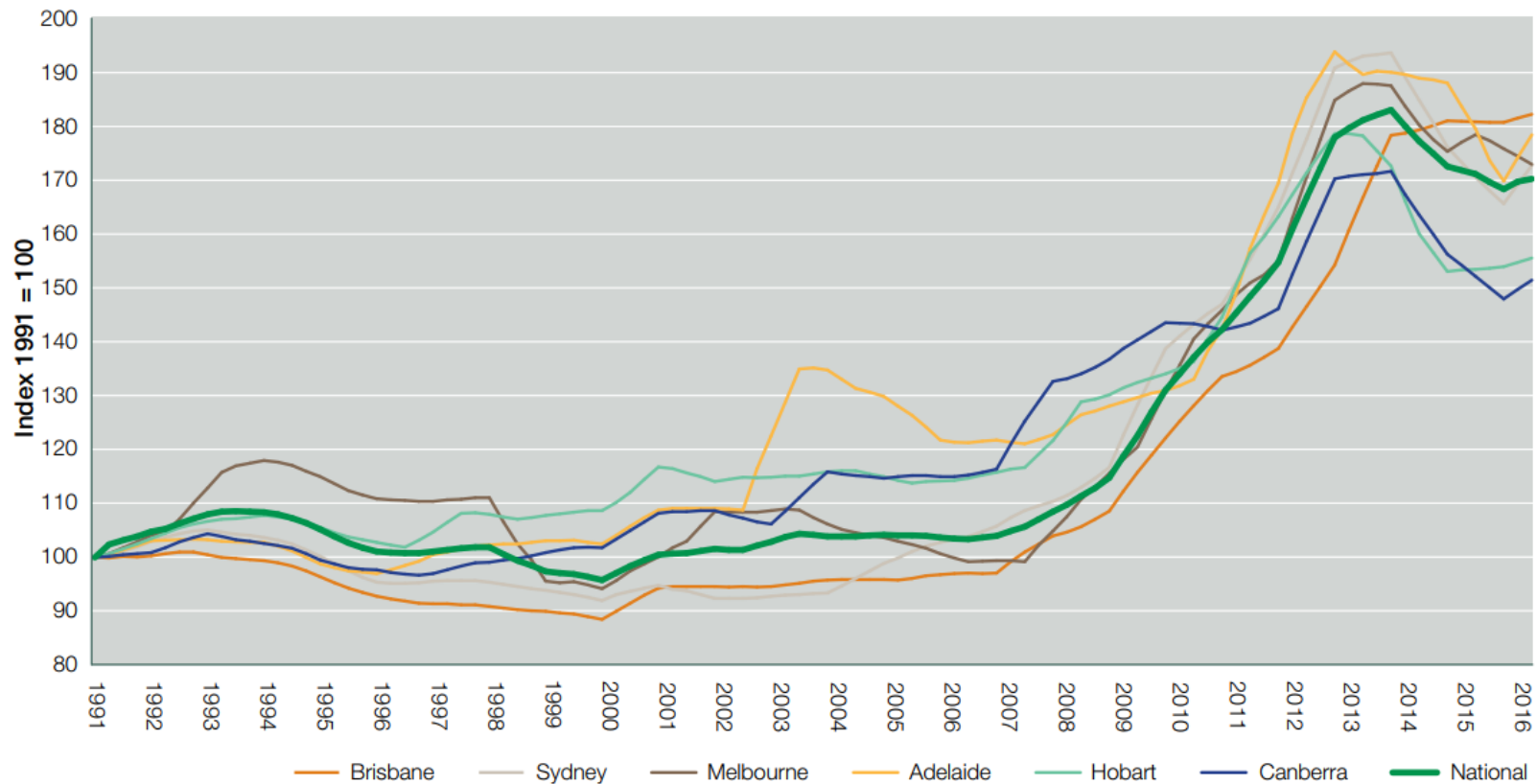
WHAT IS THE REEF FUNDING PROGRAM?

- A new program aiming to bring the benefits of clean energy to support the long-term health of the Reef.
- \$1 billion for investment finance over 10 years available now for local businesses, farmers, developers in the Reef Catchment Area including Rockhampton.
- Finance available for clean energy projects and businesses which support the delivery of the Government's Reef 2050 plan.



ENERGY PRICES ARE EXPECTED TO CONTINUE TO RISE

Electricity retail price index (inflation adjusted)



FINANCING OPTIONS

FLEXIBLE FINANCING TO SUIT YOUR NEEDS



ASSET FINANCING PROGRAMS

You can access a range of programs with CEFC co-financiers to provide attractive finance for energy efficient technology and equipment.



DIRECT INVESTMENT

We can provide both direct loans or equity for projects or a combination of both. Multi year investment plans can be linked to energy performance targets



INVESTMENT FUNDS

We invest in major clean energy projects together with other investment funds across property, bioenergy and renewables.



CLEAN ENERGY INNOVATION FUND

For innovative technologies and businesses that will benefit from growth or early stage capital.

ASSET FINANCING PROGRAMS



EQUIPMENT FINANCE ENERGY EFFICIENT BONUS

- 0.70% p.a. off equipment finance rate on qualifying assets for the life of the loan
- Loans up to \$5m
- Equipment loan, Hire Purchase or Finance lease options available
- Tailored repayments to suit cash flows and circumstance
- Typically \$0 deposit required up front



ENERGY EFFICIENT EQUIPMENT FINANCE

- 0.7% p.a. discount off your standard finance rate on qualifying assets
- Loans from \$10k up to \$5m
- Flexible finance arrangements, with up to 100% financing of the cost of the equipment
- Loan terms up to 10 years
- Lending structured to match cash flow cycles



ENERGY EFFICIENT FINANCE

- 0.70% p.a. discount on the equipment interest rate on qualifying assets
- Loans from \$15k up to \$5m
- Finance leases, commercial loans and commercial hire purchase facilities available
- Structured finance over the life expectancy of the asset
- Typically, only security over the equipment is required

Our range of programs with co-financiers are targeted to the clean energy needs of small businesses, manufacturers and agribusinesses, as well as small-scale commercial property.

WHAT CAN YOU DO

WHAT CAN YOU DO UNDER THE ASSET FINANCING PROGRAMS

CEFC Finance can introduce cost-effective clean energy initiatives for businesses, such as:

CHANGE YOUR ENERGY USE

- Rooftop and ground mounted Solar PV systems
- Solar PV powered irrigation pumps
- Solar hot water and heat pumps
- Solar PV displacing diesel
- Demand management systems
- Embedded networks
- Battery storage
- Energy-from-waste
- Bio-energy and bio-fuels

CUT YOUR ENERGY USE

- Water efficiency and irrigation
- Variable speed drives
- Lighting, Heating, ventilation and air-conditioning (HVAC)
- Industrial and commercial refrigeration
- Smart monitoring and control devices
- Window glazing and shading
- Building management systems
- Efficient processing/loading plant and equipment

LOWER YOUR EMISSIONS

- Low emissions and electric vehicles, including on and off-road vehicle upgrades
- Electricity generation
- Transportation
- Waste management
- Waste utilisation
- Co-generation

OUR SMALL-SCALE ENERGY EFFICIENT INVESTMENTS

Our investments in energy efficiency to date:



Over 1,300 projects for lower emissions light vehicles & farm machinery



Over 500 upgrades to buildings, manufacturing processes or equipment



Over 300 solar PV installations (on or off grid)

OVER \$200m via 2,000+ PROJECTS

SPECIALTY TREE
NURSERY

MULTI POT FILLER AND
CONVEYORS WITH
INTEGRATED ELECTRIC
CONTROLS AND VSD

SIGNIFICANTLY
REDUCED
ENERGY BILLS
AS A RESULT OF
THE UPGRADE



**CROPPING
FARMER**

**215M SPAN LATERAL MOVE
IRRIGATION SYSTEM
WITH VSD AND LOW
PRESSURE BOOMS**

**REDUCED
RUNNING COSTS
INCLUDING
LESS POWER USAGE
AND BETTER
WATER CONTROL**



VEGETABLE
PRODUCER

COLD ROOM STORAGE
FITTED WITH SEMI
HERMETIC COMPRESSORS
AND VSD FAN MOTORS

54%
REDUCTION IN
ENERGY USAGE
AS A RESULT OF
THE UPGRADE



BEEF
PRODUCER

SOLAR PV INSTALLED
AT 15 SITES ACROSS
QUEENSLAND

REDUCED
**GRID ENERGY
DEMAND**
BY AROUND
30 PER CENT



PRODUCE/FRUIT
FARMER

ROOF MOUNTED
SOLAR PV INSTALLED

REDUCED
**GRID ENERGY
DEMAND**
BY AROUND
40 PER CENT

CEFC | TRANSFORMING
CLEAN ENERGY
INVESTMENT



**CUTTING
ENERGY COSTS
AND
REDUCING
EMISSIONS
IN AUSTRALIA'S
CLUBS**



BUNDABERG
CHRISTIAN COLLEGE

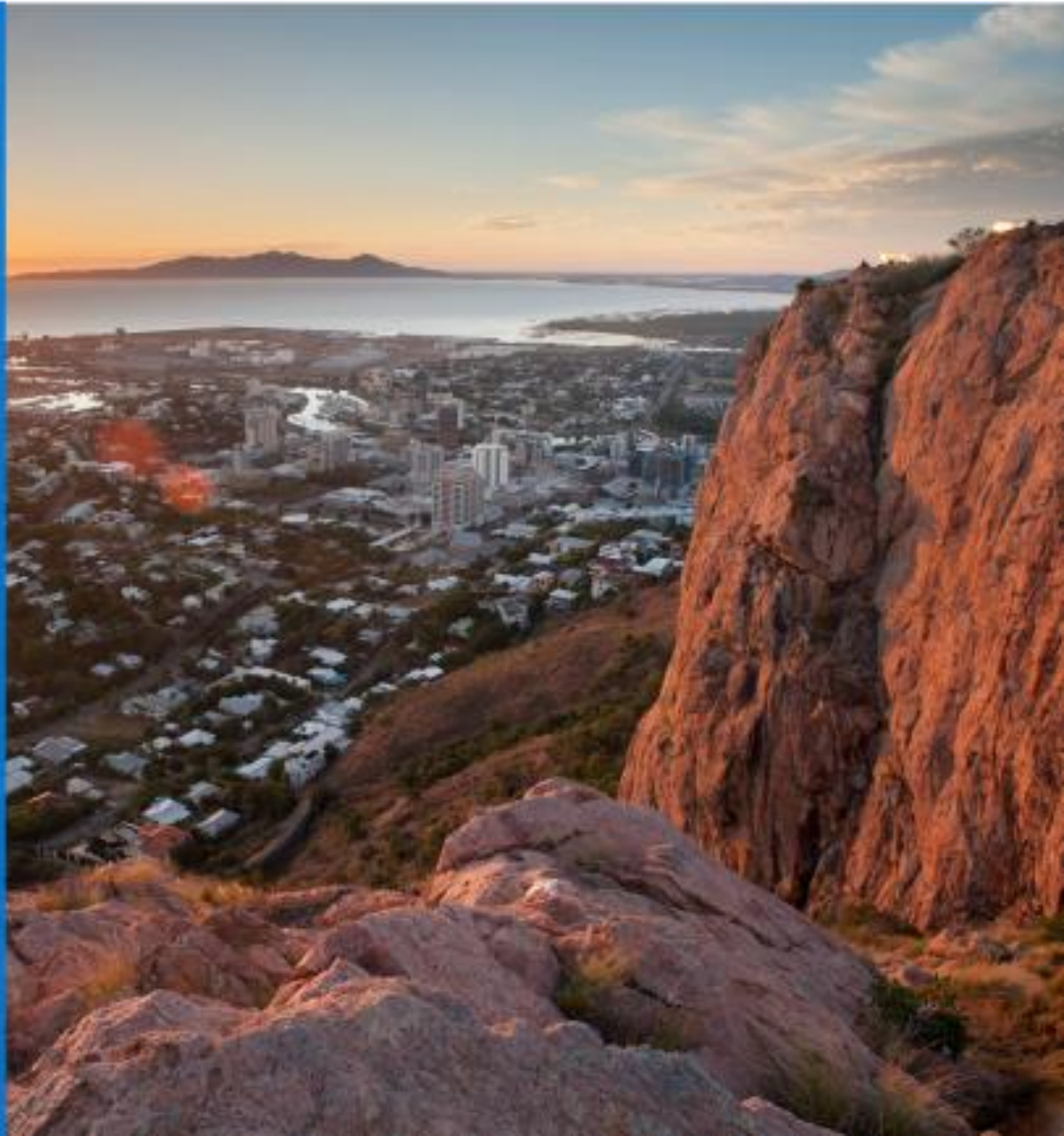
**SUPPORTING A
LEARNING GROUND
FOR SUSTAINABILITY
AND TECHNOLOGY**
WITH SOLAR PLUS
BATTERY STORAGE

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CLEAN ENERGY
INVESTMENT



ROSS RIVER

\$225 MILLION
ROSS RIVER
SOLAR FARM
IS EXPECTED
TO GENERATE
ENOUGH ENERGY
TO POWER
65,000 HOMES





RICHGRO

**HARNESSING
GROUND-BREAKING
WASTE-TO-ENERGY
TECHNOLOGY
TO MEET ALL ITS
POWER NEEDS**

CEFC | **TRANSFORMING
CLEAN ENERGY
INVESTMENT**

LANDFILL GAS
INDUSTRIES (LGI)

TURNING
METHANE-EMITTING
LANDFILLS
INTO SUCCESSFUL
ENERGY
GENERATORS

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CLEAN ENERGY
INVESTMENT



JBS AUSTRALIA

**CAPTURING
BIOGAS
TO REDUCE
GRID ENERGY USE
BY 50 PER CENT**



AUSTRALIAN
BIOENERGY FUND

CLOSING
AUSTRALIA'S
BIOENERGY
GAP
WITH
FIRST EQUITY
FUND



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