

# CEFC

CLEAN ENERGY FINANCE CORPORATION



# Smart Future Cities 2015

# CEFC

CLEAN ENERGY FINANCE CORPORATION



**FINANCING PLENARY**

**Meg McDonald**  
**Chief Operating Officer**

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## Our Mission

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

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# Financing smart future cities

1. About the CEFC
2. Financing better buildings
3. Financing cleaner vehicles
4. Financing cleaner energy
5. Financing energy efficiency



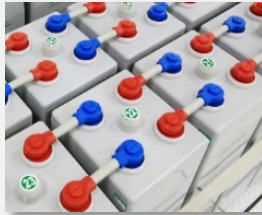
# Smarter and cleaner energy technologies will make cities more livable



Ubiquitous LED lighting



Solar everywhere



Energy storage



Smarter energy management



Waste-to-energy and local distributed energy generation



Electric and hydrogen vehicles

**The CEFC is able to finance all of these technologies**

# Our achievements

## CEFC HIGHLIGHTS

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**\$1.4b**

**TOTAL CEFC  
COMMITMENTS**

**\$3.5b**

**TOTAL  
PROJECT VALUE**

**55**

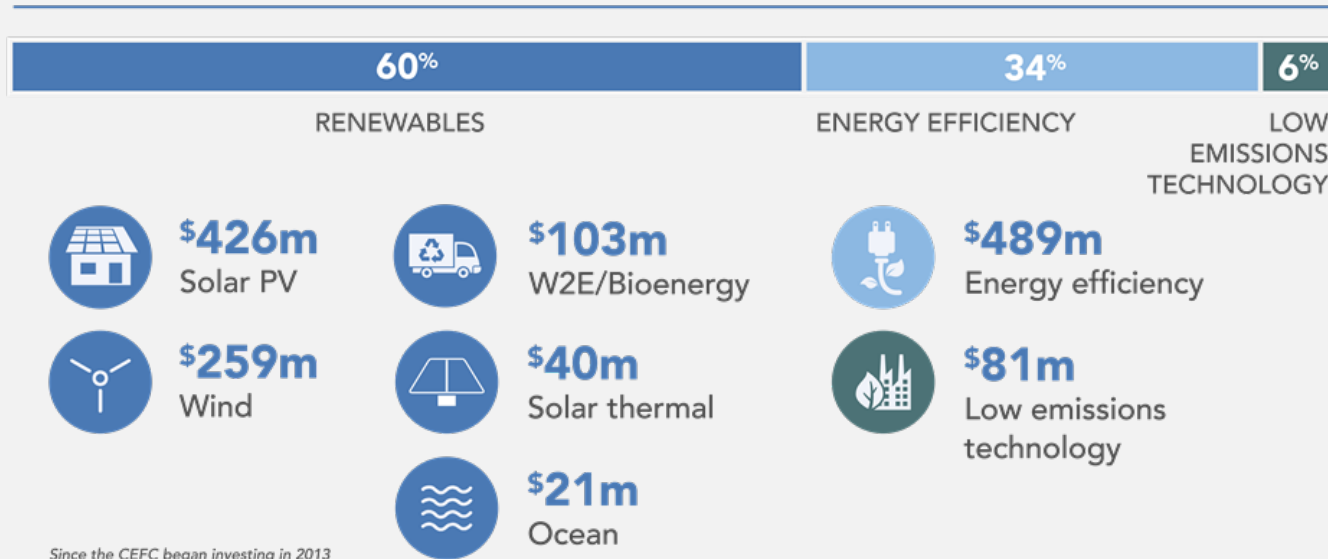
**DIRECT  
INVESTMENTS**

**34**

**PROJECTS  
CO-FINANCED**

*Since the CEFC began investing in 2013*

# Investment commitments to a diverse range of technologies and sectors



Since the CEFC began investing in 2013



## Better buildings

Kingsborough  
Council, TAS



Replaced fluorescent  
lighting with LED tube  
lighting at civic centre

Cut building  
lighting energy  
costs by 75% and  
reduced  
maintenance costs

Wagga Wagga  
Council, NSW



Upgraded lighting  
systems at civic centre,  
civic theatre and airport

Cut building  
energy  
consumption by  
8%

## Better buildings

Reader's Digest  
Building



Lighting and chiller  
upgrades

Targeting lighting  
and AC savings of  
more than 60%

St James Hall



New air conditioning,  
lighting and building  
management systems

Expected to  
reduced energy  
consumption by  
30%

# Cleaner vehicles

NAB



Light vehicles

Accelerate  
business uptake of  
low-emission  
vehicles

Firstmac



Passenger vehicles,  
courier and light  
delivery vans and other  
vehicles

Accelerate uptake  
of low-emission  
vehicles

# Turning waste-into-energy and creating energy precincts

## New Energy Corporation



Up to \$50 million for development of waste-to-gas facility using Australian designed ENTECH™ technology

Will process up to 225,000 tonnes of municipal, industrial and commercial waste

Up to 16.6MW

## Landfill Gas Industries



Up to \$10 million for expansion of landfill gas-to-electricity projects

Will reduce methane emissions and support 6MW of new electricity generation

## More productive and cleaner businesses

Car dealership



Solar and LED lighting

Annual energy savings equivalent to 200 houses

Labelmakers



Newer and more efficient equipment

New machines operate at twice the speed using half the energy

# Property fund to boost energy performance of commercial buildings



## Boosting energy performance of commercial buildings

### Action

- Up to \$400 million for a fund to buy, own, refurbish and introduce sustainability improvements in up to a dozen commercial office properties

### Impact

- Repositioning older properties in the market
- Accelerating investment in greener buildings to deliver increased performance and lower carbon emissions

CEFC INVESTMENT  
COMMITMENT

**\$125 million**

TOTAL FUND SIZE

**\$400 million**

PROJECT PARTNER

**EG Group**



# CEFC finance gives community housing a clean energy boost



## Improving energy efficiency of community and social housing

### Action

- Up to \$60 million in long-term senior debt to a program expected to build over 200 new energy efficient homes, and upgrade existing, older properties with energy efficient technologies

### Impact

- Help accelerate the delivery of more sustainable and energy efficient social and community housing
- Improve affordability, climate resilience and create a better living environment for tenants

#### CEFC INVESTMENT COMMITMENT

**\$60 million**

#### TECHNOLOGIES

**LED lighting, energy efficient appliances, smart meters and solar, window glazing, insulation**

#### PROJECT PARTNER

**St George Community Housing (SGCH)**



# Trigeneration provides onsite power for landmark Sydney development



## Energy, heating and cooling for major development in Sydney

### Action

- \$26.5 million investment into a 2MW trigeneneration plant to provide low-carbon thermal energy ,heating and cooling for a major new Sydney development

### Impact

- Helps demonstrate potential for precinct level energy development
- Low-carbon development to reduce emissions by 190,000 tonnes

#### CEFC INVESTMENT COMMITMENT

**\$26.5 million**

#### EXPECTED LIFETIME CO<sub>2</sub>-e REDUCTIONS

**190,000 tonnes**

#### TECHNOLOGIES

**2MW trigeneneration plant**





# CEFC

CLEAN ENERGY FINANCE CORPORATION

## Contact us

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