



Australian Government



# Clean energy and asset finance

We're working with co-financiers to deliver discounted finance for smaller-scale clean energy projects across agriculture, industry, property and transport. It's part of our strong focus on driving investment in smaller-scale clean energy projects as we transition to net zero emissions by 2050.



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Australia is targeting net zero emissions across our economy by 2050, an ambitious goal with far reaching opportunities and benefits. We see our asset finance programs as an exciting way to back smaller-scale investments in a whole range of sustainability measures, accelerating our net zero transition while extending the sustainability benefits to businesses large and small.”

**Ian Learmonth**  
CEO, CEFC

Backing clean energy assets economy wide

**\$2.0b**  
CEFC asset finance

**~53,000**  
projects financed

\*Lifetime to 30 June 2023

## Financing sustainability across our economy

The CEFC asset finance programs provide a practical way for Australia to tackle emissions right across the economy, supporting smaller scale investment in a diverse range of proven technologies that can help businesses better manage their energy use and improve their carbon footprint. Eligible projects range from small-scale rooftop solar and battery storage, to energy efficient manufacturing and farm equipment, as well as improved building insulation, heating and cooling, demand management systems and low emission vehicles. Projects are typically valued at up to \$5 million, with an average investment of some \$100,000.

Through our asset finance programs, the CEFC has delivered more than \$2 billion in tailored asset finance to an estimated 53,000 smaller scale clean energy projects Australia wide. Priority areas include agriculture, industry, property and transport across a range of eligible technologies and investments. The discounted asset finance programs allow the CEFC to tap into the large and established customer networks of our co-financiers. They also mean that borrowers have a more simplified process to access our finance, through a range of established co-financiers. We have structured these programs so that the benefits of the CEFC finance flows directly through to the borrower.

## Kicking off your net zero transition

Knowing where to start can be a major hurdle for businesses seeking to reduce energy use and lower emissions.

The first step is to understand your energy needs and demand profile. This can include conducting an energy audit to better understand the energy intensity of different activities and equipment and highlight areas for improvement. Businesses may also benefit from a staged approach to investment, initially concentrating on areas that are likely to achieve the biggest savings.



## Natural capital and the green economy

Agribusiness plays a critical role across the Australian economy, with a well-earned reputation for quality produce, innovative production methods and local employment. This track record makes agribusinesses ideally suited to transition to a more sustainable greener future for our natural capital assets, improving on-farm sustainability and productivity.

1	2	3	4	5
<b>Smart monitoring and controls</b>	<b>Variable speed drives</b>	<b>Biogas</b>	<b>GPS auto-steer</b>	<b>Energy storage</b>
Cut fuel costs by using long range wireless communication to remotely monitor and control gates, pumps and other equipment	Better manage electrical motor speeds using pressure sensors and flow meters, to cut electricity consumption by up to 60 per cent	Use anaerobic digestion to process organic waste, producing electricity, heat and a residual organic product that can be used as fertiliser	Automatically control tractors for seeding, spraying, fertiliser application and harvesting, reducing overlap in farming operations and cutting fuel use	Batteries, fuel cells and energy storage can maximise the benefits of renewable energy and cut reliance on grid electricity



## Clean energy transition for industry

Stronger, cleaner industry, capitalising on the benefits of the clean energy transition, offers exciting potential for our economy as well as our emissions profile. Opportunities include improvements to existing processes to cut energy use, upgrades to more energy efficient technologies and greater use of renewable energy.

1	2	3	4	5
<b>Feedwater management</b>	<b>Hot water efficiency</b>	<b>Air infiltration and seals</b>	<b>Boiler sequencing</b>	<b>Heat pumps</b>
Maximise feedwater temperatures through condensate recovery, tank insulation, waste heat recovery and economisers	Minimise hot water usage in food manufacturing cleaning processes with the use of efficient nozzles and trigger controls	Thermal imaging, insulation and advice from seal specialists can help identify and implement air infiltration initiatives for ovens and furnaces	Sequencers can help control multiple boilers, improve overall efficiency, reducing partial load operation, purge cycle and radiant heat loss	Heat pumps can reduce gas use, particularly in systems requiring both heating and cooling, with one stream cooled while another is heated



## Greener buildings for a greener economy

There are compelling reasons to improve the energy profile of Australia's built environment, which accounts for more than 20 per cent of our emissions. Energy efficient buildings using proven clean energy technologies reduce stress on the electricity network, lower electricity consumption and cut our national emissions.

1	2	3	4	5
<b>Daylight harvesting</b>	<b>Insulated roller doors</b>	<b>LED Lighting</b>	<b>Occupancy detection</b>	<b>Solar installations</b>
Sensors identify when there is a sufficient amount of available natural daylight and reduce the use of artificial lighting to cut energy consumption	Insulated and well-sealed roller doors installed at access points to heated and cooled spaces, operating automatically to maintain temperature control	Light emitting diode lights provide more light for the same amount of electricity compared with fluorescents, metal halides and halogens	Sensors identify when a space is vacant, switching off or turning down building systems to save energy on lighting, ventilation and air conditioning	Systems generally sized to meet 10 to 20 per cent of the building electricity load, or the maximum system that rooftops can accommodate



## Driving to sustainable transport solutions

The transition to electric vehicles is a critical pathway to the decarbonisation of the Australian economy, with the potential to make a positive impact across a broad range of activities. Options include light commercial and on-farm vehicles, the electrification of urban transport, charging infrastructure and finance for fleet and residential electric vehicles.

1	2	3	4	5
<b>Vehicle electrification</b>	<b>Vehicle selection</b>	<b>Engine modifications</b>	<b>Tyre size increase</b>	<b>Auxiliary power unit</b>
Electrification of passenger, commercial and light transit vehicles, including buses and light rail, reduces diesel and petrol demand	Choosing a vehicle that is suited to the task can significantly reduce fuel consumption and related emissions	Turbochargers and superchargers increase engine efficiency by compressing air intake and intercoolers can further improve efficiency by exhaust gas	Increased tyre diameter increases the tyre footprint, spreading the vehicle's load more evenly to achieve greater traction and less rolling resistance	An auxiliary power unit can power accessories such as fans, refrigerators and air conditioners while a vehicle is moving or stationary



## How CEFC asset finance works

We reach thousands of businesses by relying on the established networks of participating banks and specialised lenders who work with us to deliver our asset finance to their customers.

Through these asset finance programs, finance is available for investment in clean energy technologies, giving borrowers an incentive to choose best-in-class clean energy assets when considering new equipment purchases, property fitouts and vehicle upgrades.

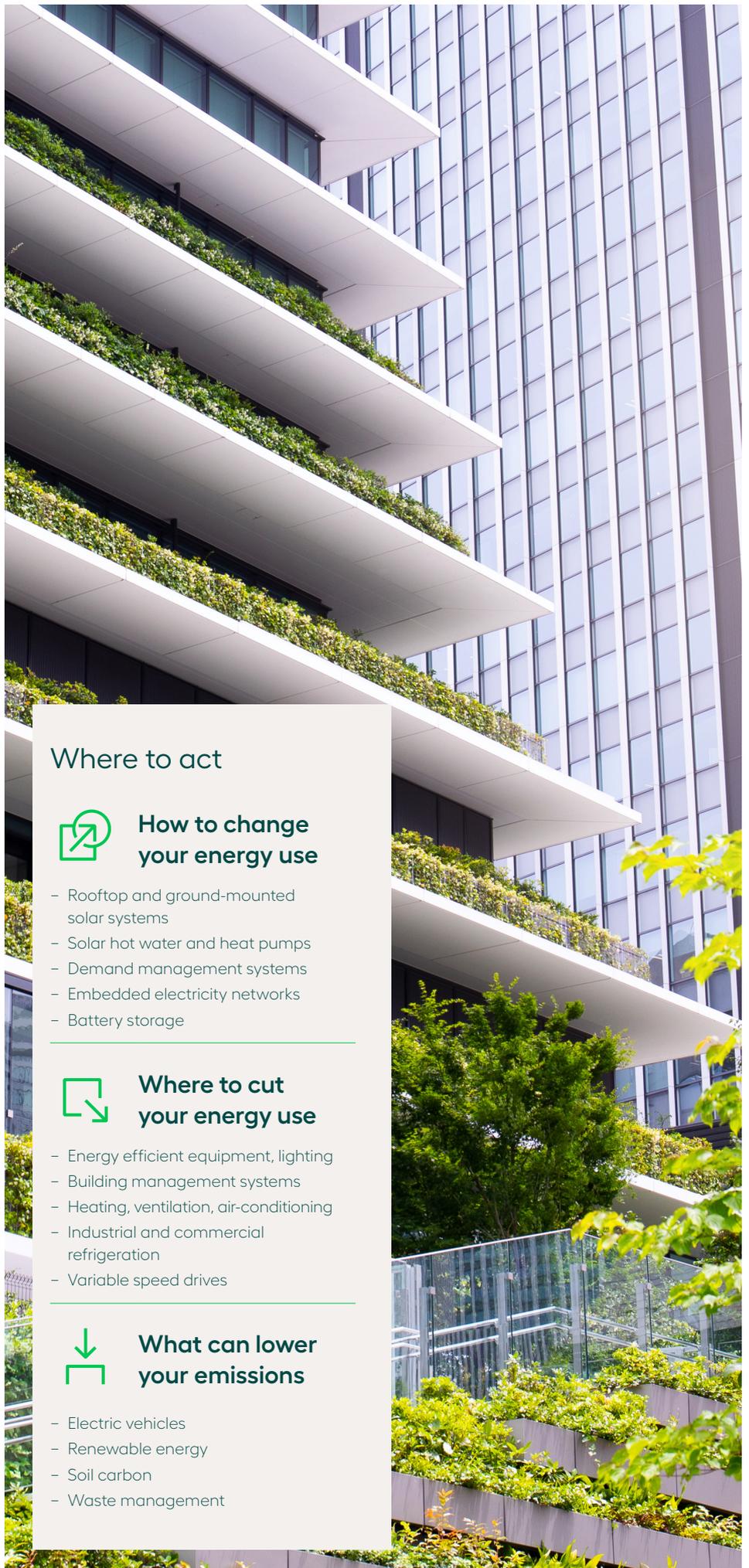
Each program provides the CEFC with information about the business sectors drawing on our finance and the types of technologies they purchase. These insights enable us to tailor our programs to encourage further investment in beneficial clean energy technologies.

Finance is available for 100 per cent of the equipment cost, subject to usual credit approval considerations by the co-financiers. Up to \$5 million may be available for an individual project.

*Please note: the CEFC is not involved in individual financing decisions or loan administration.*

## About the CEFC

The CEFC is an experienced specialist investor with a deep sense of purpose: we're Australia's 'green bank', investing in our transition to net zero emissions by 2050. With access to more than \$30 billion from the Australian Government, we're backing economy-wide decarbonisation, from renewable energy and natural capital to energy efficiency, alternative fuels and low carbon materials. In parallel, we're focused on transforming our energy grid, backing sustainable housing and supporting the growth of our climate tech innovators. We collaborate with co-investors, industry and government, recognising the urgency of the decarbonisation task. We also invest with commercial rigour, aiming to deliver a positive return across our portfolio.



### Where to act



#### How to change your energy use

- Rooftop and ground-mounted solar systems
- Solar hot water and heat pumps
- Demand management systems
- Embedded electricity networks
- Battery storage



#### Where to cut your energy use

- Energy efficient equipment, lighting
- Building management systems
- Heating, ventilation, air-conditioning
- Industrial and commercial refrigeration
- Variable speed drives



#### What can lower your emissions

- Electric vehicles
- Renewable energy
- Soil carbon
- Waste management