



# Navigating a dynamic energy landscape

Wednesday 11 November 2020

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There is an **enormous amount of information on energy and carbon** in the public domain, yet it can be hard for business leaders to **extract what matters for their businesses**.





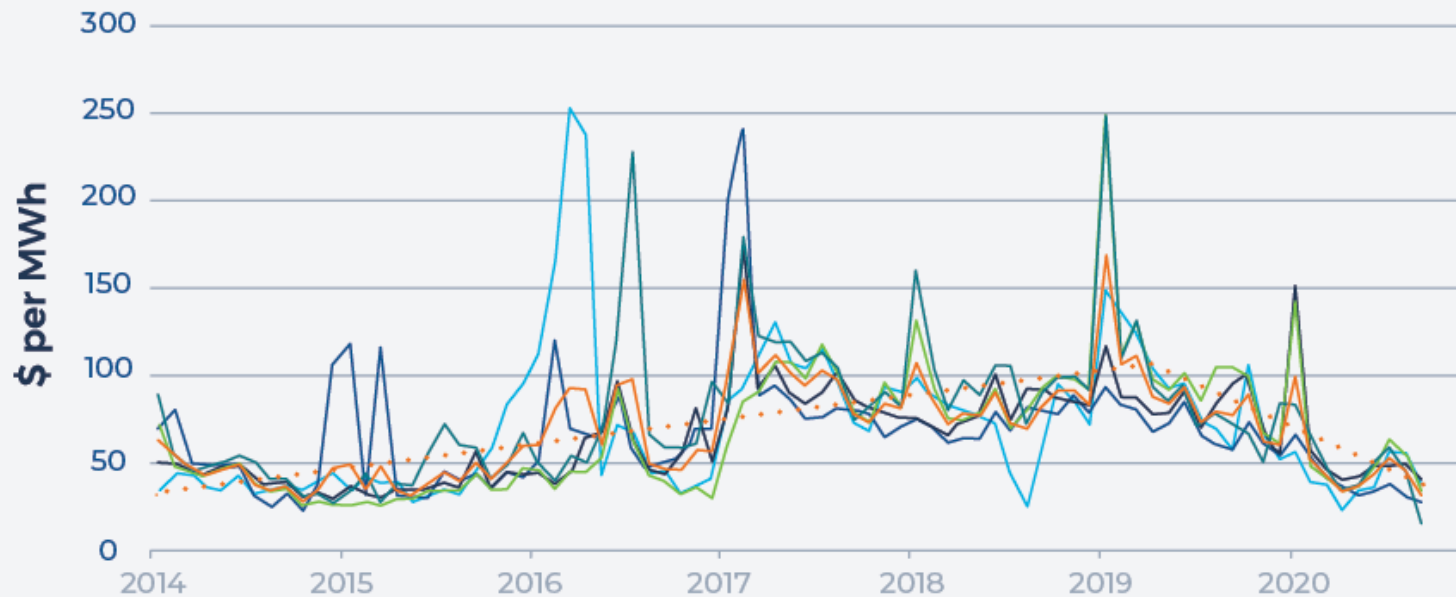
# Why energy and carbon matters to your business



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[energybriefing.org.au](http://energybriefing.org.au)

# Energy market risk: energy costs



Key:

 New South Wales

 Queensland

 South Australia

 Tasmania

 Victoria

 Average

 Average trendline

## Ongoing price volatility is expected

Energy bills, rather than energy prices, matter to leading businesses

Source: Intelligent Energy Systems (IES) 2020, NEOpoint.

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# Climate risk

## Physical risk

- Extreme weather
- Stranded assets

## Transitional risk

- Brand
- Carbon price / regulation
- Investor
- Supply chain – upstream and downstream







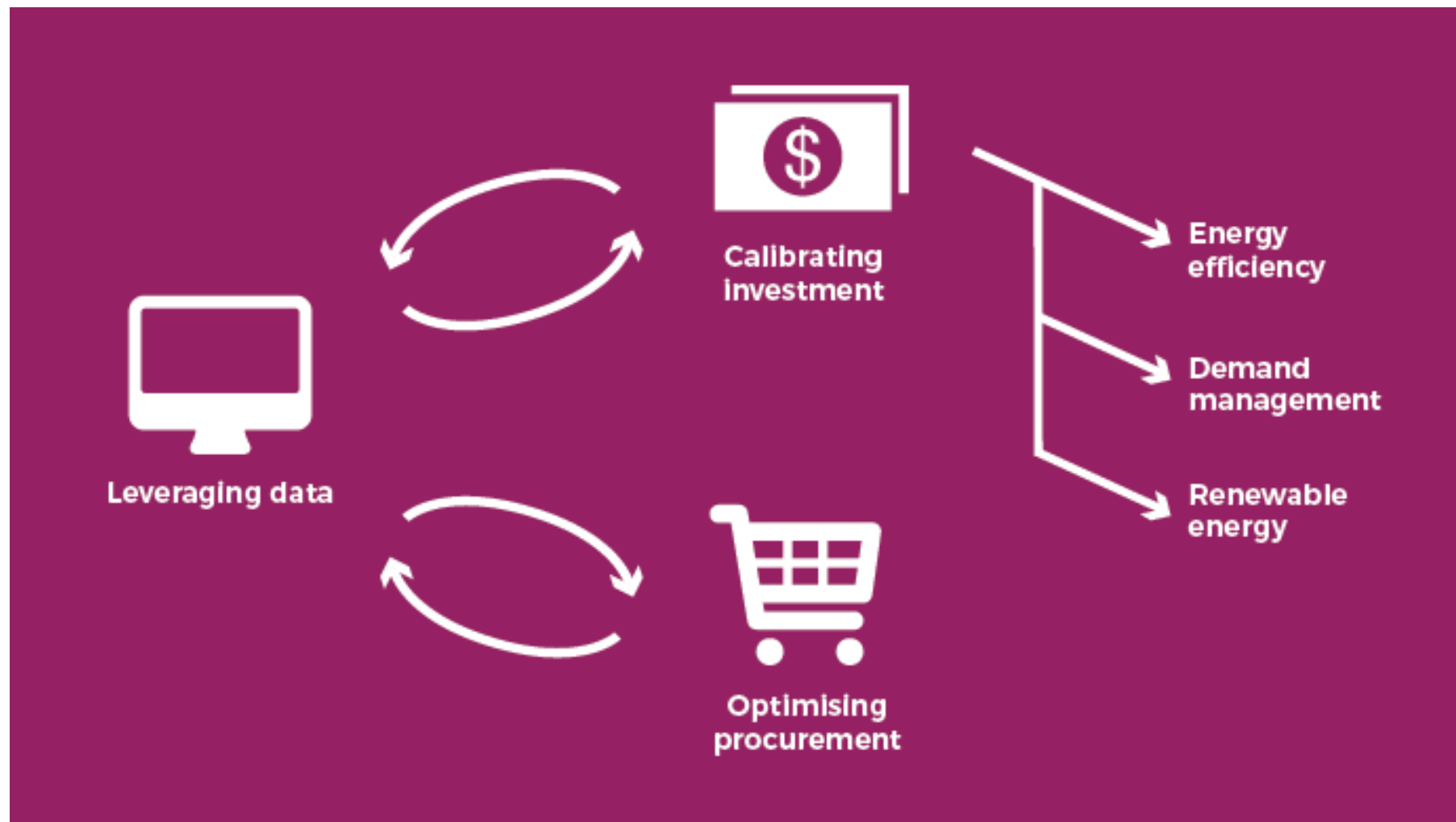
# Opportunities for managing energy and carbon



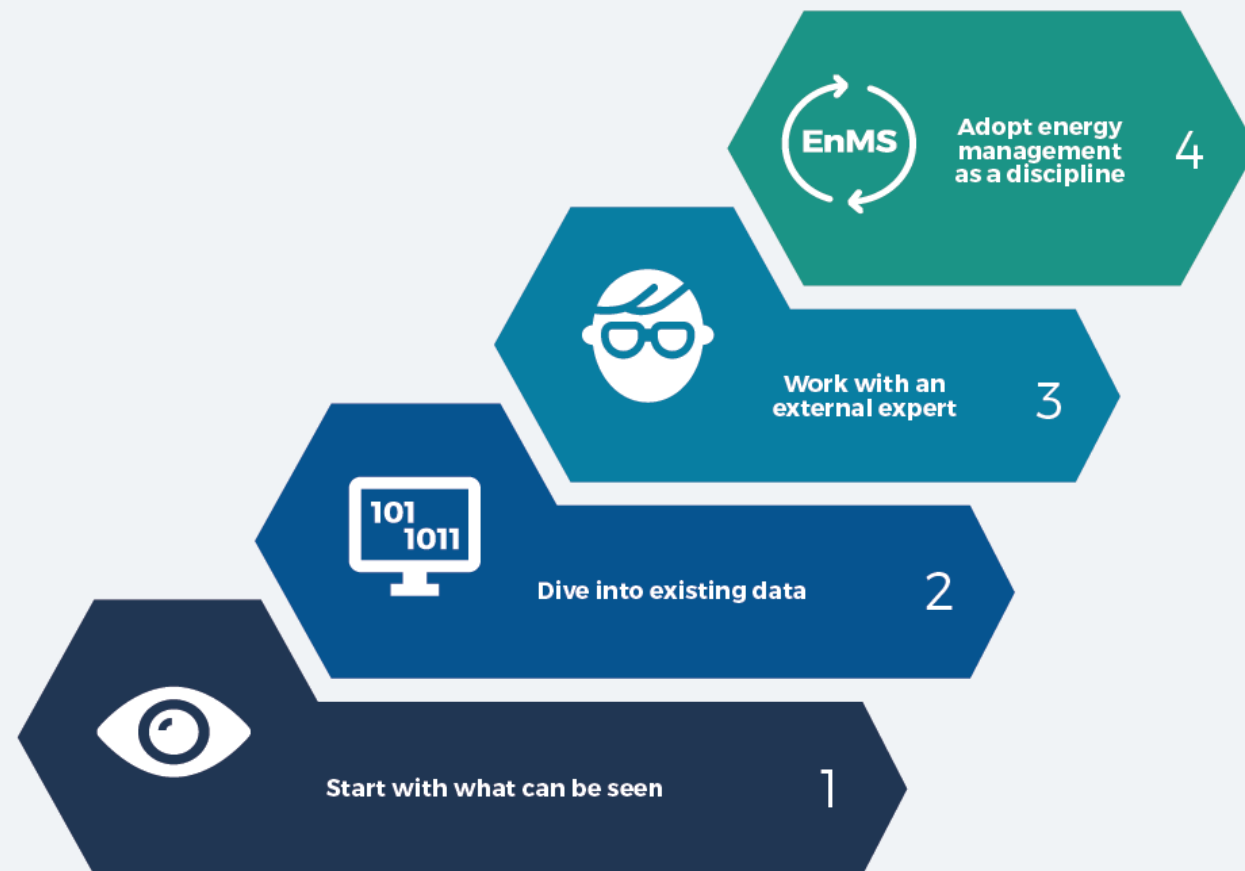
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# Energy pulse check



# Identifying energy management opportunities – four simple steps





# Scentre Group's energy efficiency

- 2009 – 2019: 29% reduction in emissions intensity
- 2017: National Environmental Efficiency Framework (NEEF) saved 4.1% across national Westfield portfolio
- 2019: Westfield Hurstville and Knox energy efficiency improvements saved 10% of annual energy bill
- 2020: Covid-19 carpark LED lighting upgrade across Westfield's Victorian centres equal to 900 households annual energy consumption
- 2020: Net zero by 2030 across Westfield portfolio







# Molycop's demand management

- Exposure to spot market enables Molycop to temporarily shutter operations when prices rise, and restart when prices fall
- AEMO-ARENA demand response program incentivised Molycop's demand management with cash payments
- Paired with an energy management system (EnMS) and a power purchase agreement (PPA), Molycop is realising significant savings







# BlueScope's renewable energy

- Since 2005, BlueScope has reduced its emissions intensity by 40% with energy efficiency upgrades
- In 2018, BlueScope committed to a further 12% reduction in emissions intensity by 2030 *and* is actively developing its specific long-term decarbonisation pathway
- Landmark power purchase agreement (PPA) for the 133 MW Finley Solar Farm in NSW, which is now providing the equivalent of 20% of BlueScope's total Australian electricity purchases







# Where to find support



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# Support for businesses

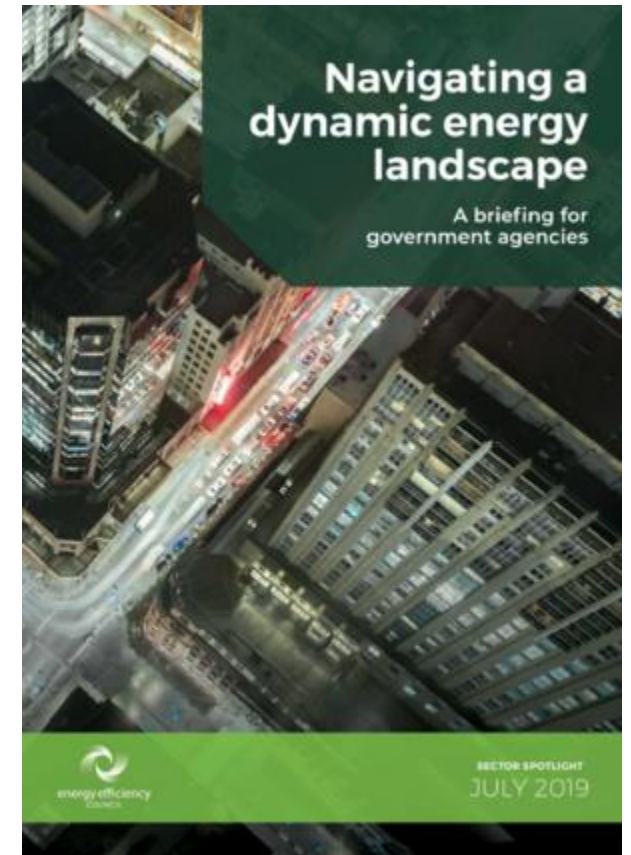
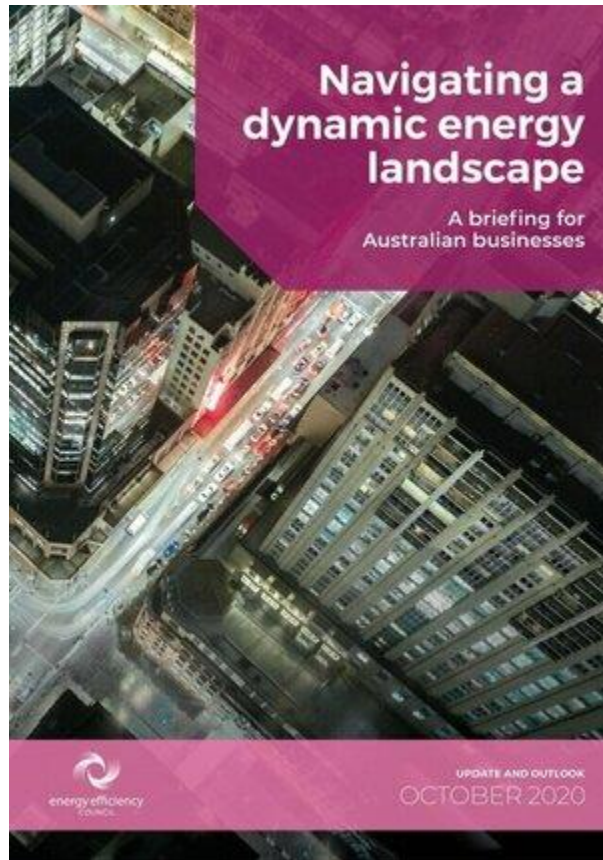


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# Resources for businesses



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# Upcoming events

## Navigating a dynamic energy landscape

A briefing for office-based businesses

Wednesday 9 December 2020, 11.00am – 12.15pm AEDT



**Emma Baird**  
CitySwitch National  
Programme Manager,  
City of Sydney



**Will Betson**  
Support Services  
Manager, Australian  
Nursing & Midwifery  
Federation  
(Victorian Branch)



**Sue Coles**  
Director,  
Baenziger Coles



**Roger Stamford**  
National Building  
Services Manager,  
Employers Mutual  
Limited



**Holly Taylor**  
Senior Manager,  
Projects and  
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## Relevant links

- [energybriefing.org.au/business-briefing](https://energybriefing.org.au/business-briefing) for the latest edition of *Navigating a dynamic energy landscape: a briefing for Australian businesses*
- [businessenergyadvice.com.au](https://businessenergyadvice.com.au) to access support on energy for small businesses
- [cityswitch.net.au](https://cityswitch.net.au) for support for office based businesses
- [energybriefing.org.au/2020-energy-management-leaders-sector-spotlight-on-offices](https://energybriefing.org.au/2020-energy-management-leaders-sector-spotlight-on-offices) to register to attend the upcoming launch of the sector spotlight for office based businesses







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