

Powering the Future of the Illawarra

Urban Renewable REZ
Industry Roundtable

POWER
together



Acknowledgment of Country

Endeavour Energy acknowledges the Traditional Custodians of Country where we work — the people of the Dharug, Wiradjuri, Dharawal, Gundungurra and Yuin nations.

We recognise their continuing connection to the land, waters, and community and pay our respect to Elders, past and present.



2.8 M Connected people

330,000 Solar customers

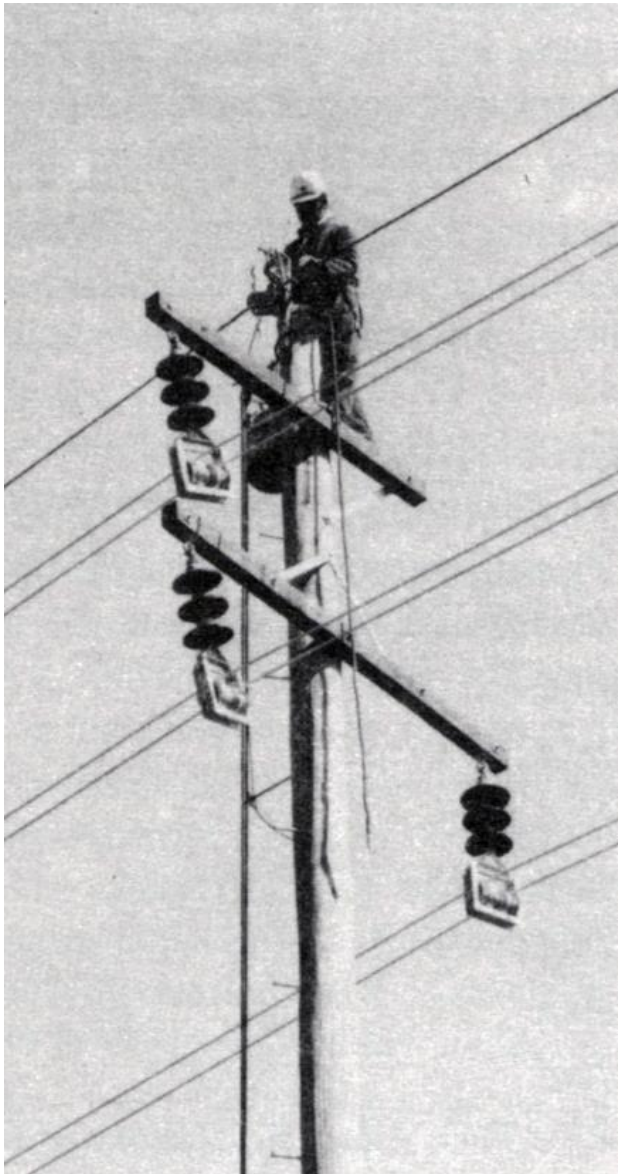
22 TWh Annual usage*

4.1% Energy growth*


**Gross two-way grid usage*






Powering the Illawarra: 100+ years of customer innovation, investment and solutions



Demonstrating what's possible: Incentive-aligned, community-driven energy services

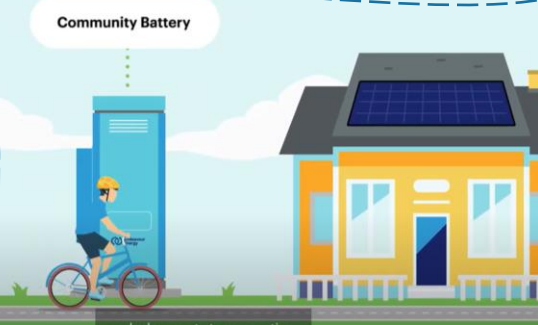



ELECTRIFY 2545
community pilot





  

**Australia's first
community-led
electrification project**

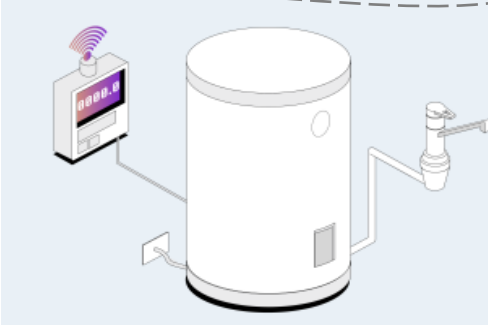
Community Battery




 **Endeavour
Energy**
Community Batteries


   

**NSW's largest
community battery
program**



 **Endeavour
Energy**
Off Peak+

A first for Australia

**A world leading
approach to dynamic
hot water storage
flexibility**



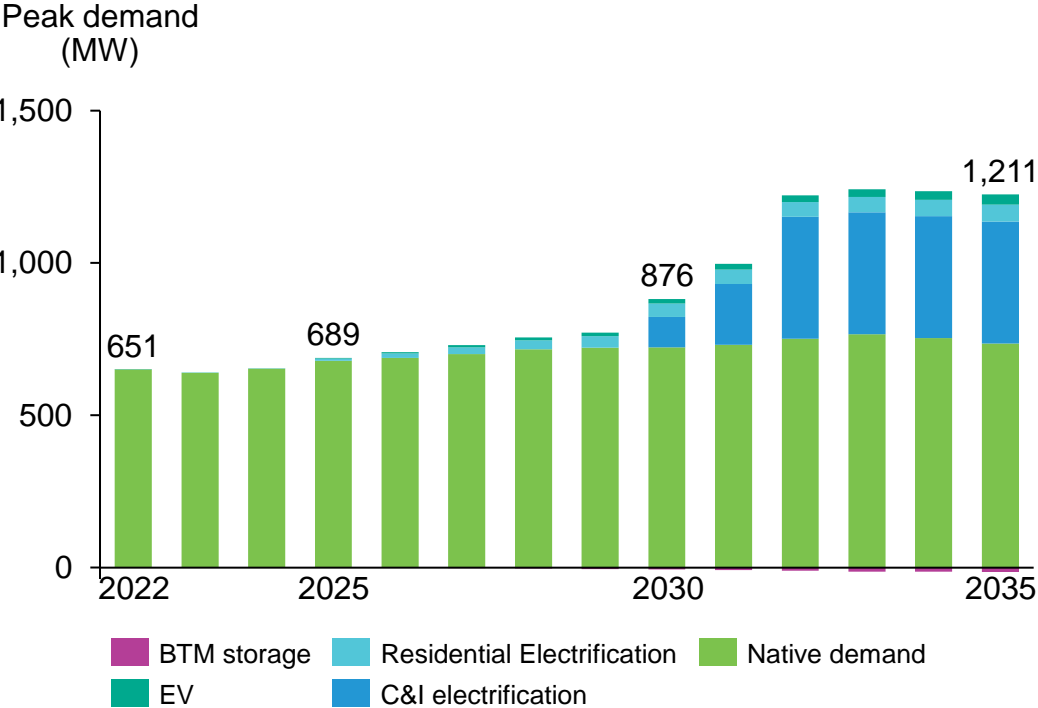
 **Endeavour
Energy**
Flexible Exports (AI)

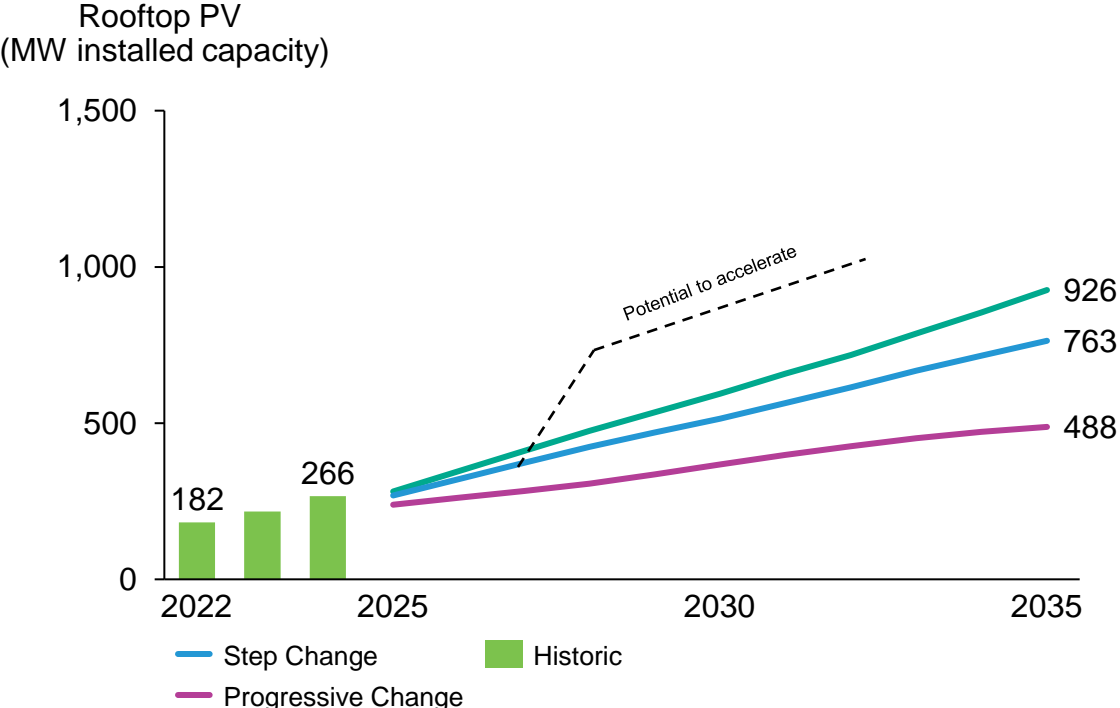
**World leading AI
enabled dynamic &
equitable flexible
exports**

The Illawarra is experiencing rapid growth in energy creation and consumption, creating both opportunity and urgency for coordinated action

Electricity demand is steadily increasing, with maximum demand still occurring around 6pm driven by residential volatility.



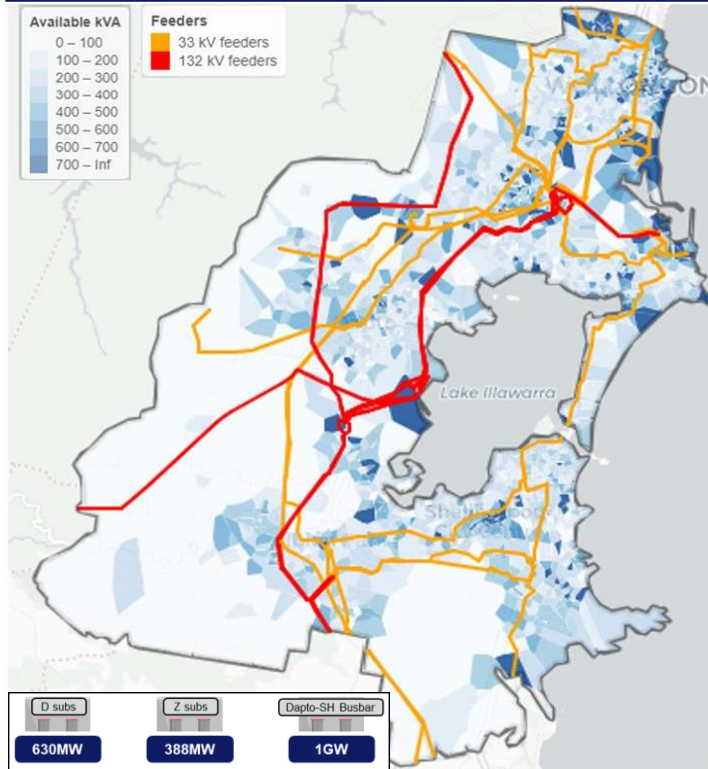
Rooftop solar is growing but has little impact on peak demand as generation drops to zero in the evening.



The Illawarra currently lacks the energy storage needed to move solar from midday to evening peaks. Targeted investment will unlock additional local generation, boost reliability, and fast-track net zero—while opening the door to smarter, more dynamic energy markets.

Activate local advantage: Enable generation, storage, and electrification through smarter markets, better coordination, and deferral of wire upgrades

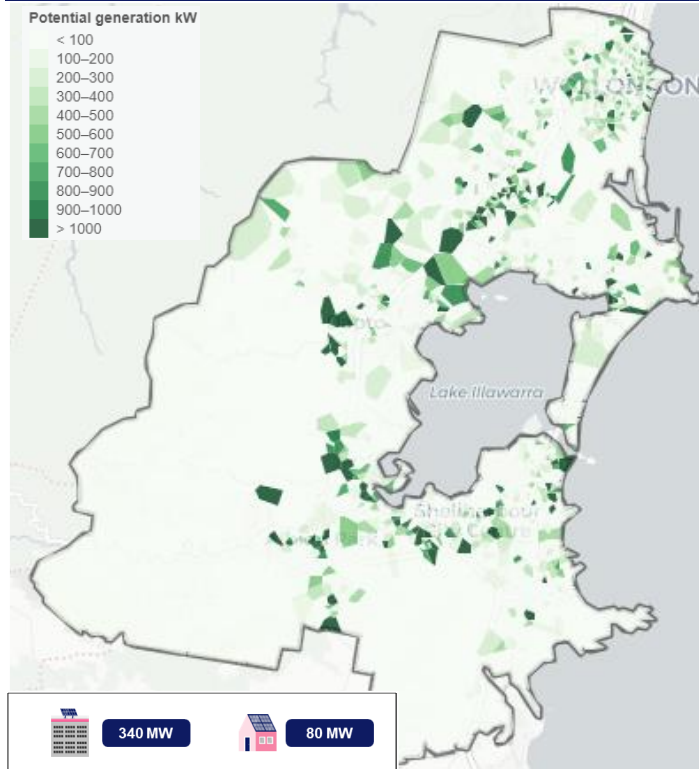
Repurposed Network Capacity (1GW+)



Optimise the Grid:

Repurpose existing infrastructure to delay costly upgrades and maximise local hosting capacity

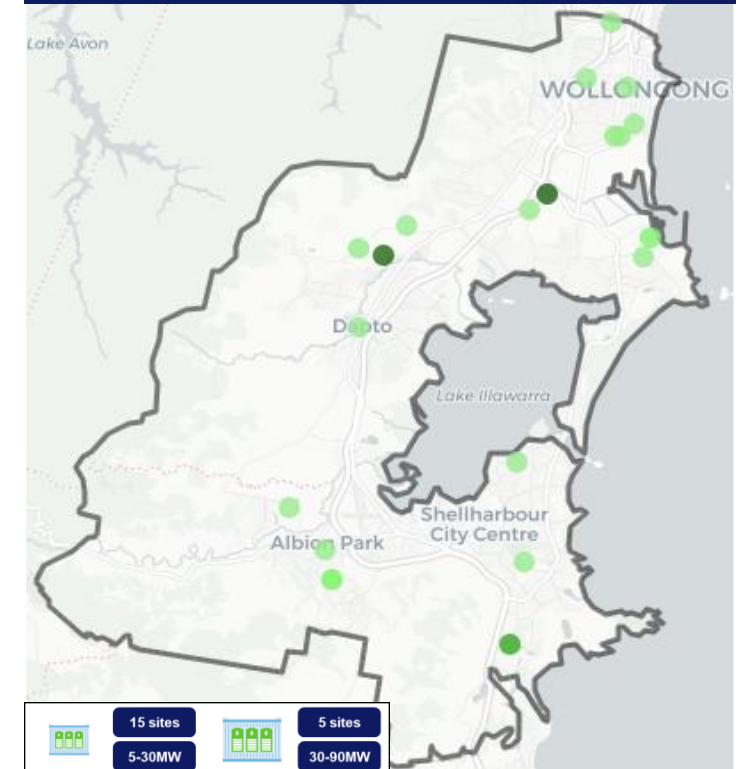
Ready Generation Potential (420MW+)



Supercharge Local Generation:

Incentivise landowners and developers to oversize systems and share surplus with the community

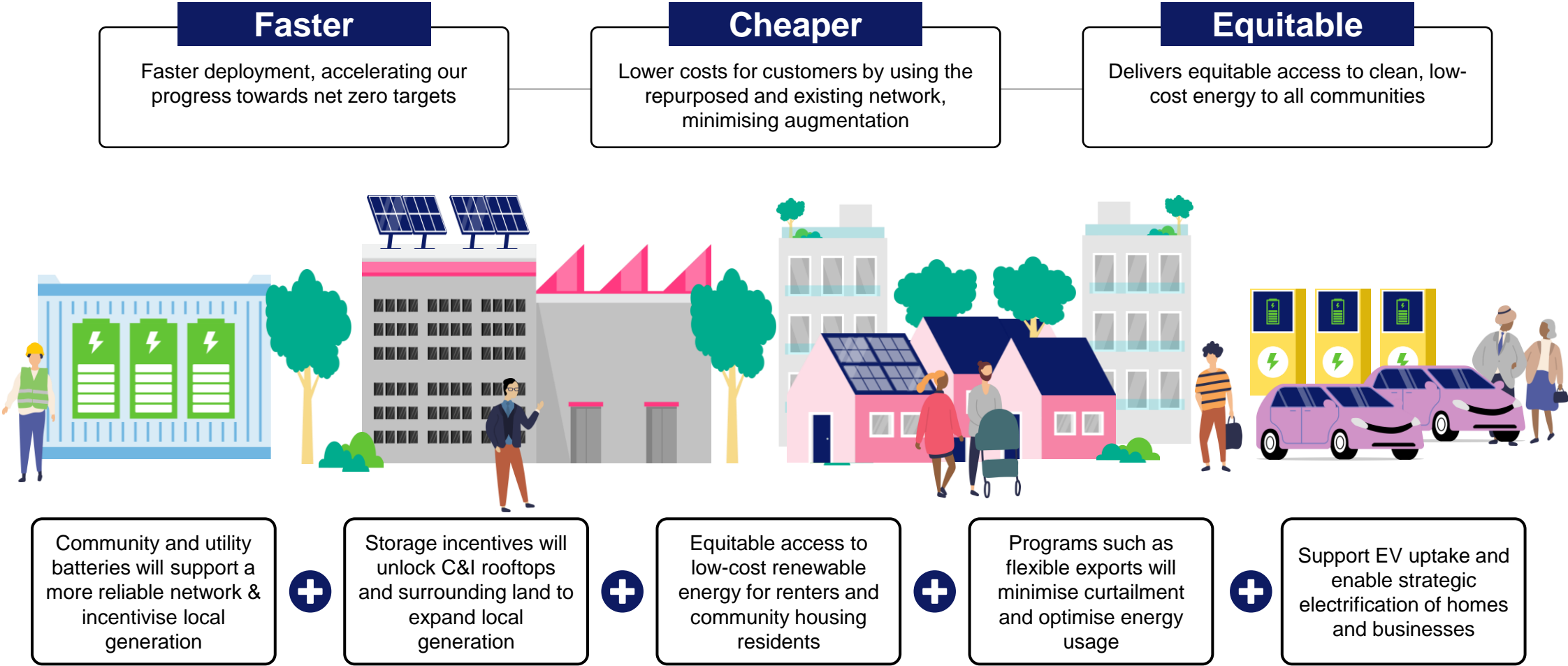
Smart Storage Potential (1.5GW)



Unlock Smart Storage:

Deploy smart storage with value-sharing models that turn the energy hub into a local market enabler

An Urban Renewable REZ can combine generation, storage, and smart network tools to deliver faster, fairer, and lower-cost energy to all customers





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Energy**

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