

Bawley Point and Kioloa Community Microgrid news

December 2025

- In this update:**
- 1. Automation scheme (Kioloa)**
 - 2. Operator restoration (Bawley Point and Termeil)**
 - 3. Distributed Energy Management System (DERMS)**
 - 4. Residential batteries (Virtual Power Plant)**
 - 5. How to help the microgrid last longer during outages**

Hi everyone,

We're pleased to share some important updates about the microgrid. We can confirm that the works during the planned outage in November were successful. All inverters were replaced and once commissioned, they were able to operate at full capacity.

We would like to thank you for your continued support as we work to keep our community powered and resilient.

We aim to provide another update in March next year, where we hope to advise further on residential battery use through the Virtual Power Plant (VPP) and broader news on how the system is running, and automation of the battery for restoring power to the Bawley Point and Kioloa community.

In the meantime, if you need more information, please email us at yoursay@endeavourenergy.com.au

If you would like to read previous newsletters or see community updates, all information is available here: www.yoursay.endeavourenergy.com.au/bawley-point-kioloa-community-microgrid

We wish everyone in our community a happy holiday season and a joyful New Year.

Best regards,

The Endeavour Energy team



Bawley Point and Kioloa Community Microgrid news

December 2025



Automation scheme (Kioloa)

The automation scheme - which during certain outage events can restore power immediately to Kioloa - is now live. The scheme ensures the community benefits from quicker restoration during unplanned outages, without needing to rely on operators being available to perform remote switching while responding to all our customers. Customers in Kioloa are reminded that while the microgrid improves reliability, it cannot prevent all outages.

Operator restoration (Bawley Point and Termeil)

The manual restoration process is still required for providing energy to the network north of the battery site (i.e. Bawley Point and Termeil). If we can use the battery to restore power to the community, this will still need to be done through operation steps in our control centre. This restoration will inevitably be slower than the automated approach at Kioloa. Process and automation improvements will continue to progress with our engineering teams. Our diesel generator remains on site as the absolute last resort if the battery capacity falls below levels required to restore the community.

Distributed Energy Management System (DERMS)

With the battery now available at full capacity, the DERMS system will be soaking up more of the excess energy from solar in the daytime and working to reduce community demand peaks.

Residential batteries (Virtual Power Plant)

We are not expecting to call on the smaller home batteries in the VPP for support over the summer as we baseline other system operations. Customers with home batteries can continue to use them as they wish, as they have done previously. We will be in touch in the new year prior to commencing use of these (up to 20 times per year, as per the original agreement).

How to help the microgrid last longer during outages

Conserving energy will help reduce your power bills and reduce the strain on the grid. In the event of an outage the below tips can be used.

Conserve energy

- Switch off non-essential appliances
- Avoid high-energy devices such as dryers and dishwashers at peak times (4-8pm)
- Keep fridges and freezers closed to maintain temperature
- Turn off pool pumps during outages

Prepare ahead (if you can)

- Fully charge phones, laptops and medical devices before a planned outage
- Unplug sensitive electronics to protect them from surges

During unplanned outages

- Turn off large motors (air conditioners, garage doors) immediately
- Use battery-powered lights instead of mains-powered lamps
- Check on neighbours who may need assistance

Support the microgrid

- If you have a home battery, keep it in backup mode and avoid draining it unnecessarily
- Businesses with generators will help maintain essential services

Stay informed

- Look out for SMS alerts about battery charging or energy-saving requests
- Follow community updates on relevant social media pages

Preparing for bushfire season

During bushfire events, power outages are likely to be more frequent and longer in duration than normal. Take these steps to ensure you are prepared:

- Clear your roof gutters and keep your property tidy to minimise fuel around your home
- Make sure you know how to manually operate electric garage doors, gates and locks – and practice how to do it
- If you have petrol or diesel water pumps and generators, test them and carry out any required maintenance
- If you have vegetation growing near powerlines connecting to your home, contact a professional to see how you can have this trimmed
- If you rely on power for medical or life support equipment, it is vital that you have a plan in place in the event of a power outage
- Prepare and maintain your emergency kit, including a battery powered AM/FM radio, a torch and spare batteries.



Endeavour
Energy

POWER
together

endeavourenergy.com.au