

Repower Shoalhaven presents... Electrify Everything!

The future is here. Electrify everything!

Source: Much of the material in this presentation was produced by Saul Griffiths from Rewiring Australia. See also: <https://www.rewiringaustralia.org/#Why-Electrify>



Why Electrify Everything (EE)?

- 2023 was 1.48°C above pre-industrial levels – the highest on record.
- It is reasonable to expect 2024 will finish above 1.5°C of warming on pre-industrial levels.

The world's oceans were hotter than ever recorded in 2023. Heat-trapped in ocean 2023 (relative to 1981-2010 average) (°C)

- The ocean temperature increased by 0.1°C, on average, above 2022.
- Antarctic sea ice was at its lowest level on record.

Source: Photos, Composite: Jason O'Brien/Getty Images/AMF, <https://www.climateaction.org.au/what-game-can-games-on-why-why-reflection-point-for-climate-crisis>

EE has never been easier.

- Households can save over \$3,000 per year in running costs by replacing all household appliances to electric, purchasing an electric bike or car, and installing rooftop solar.
- Choosing an all-electric home or business helps the community towards a safe and clean energy future.

Gas and petrol home	Electrified home
Annual running costs: \$5,300 per year	Annual running costs: \$1,850 per year
Annual gas appliances: \$1,500 (gas stove, water heater, space heating)	Electric appliances: \$1,850 (electric stove, water heater, space heating)
Annual petrol car: \$1,500 (10,000 km @ 15c/km)	Electric car: \$1,850 (10,000 km @ 18.5c/kWh)
Annual petrol: 1,500 kg	Annual electricity: ZERO

A TIMELINE FOR YOUR HOUSEHOLD TO EE BY 2030? (see <https://energytips.org.au/>, produced in Victoria but advice is also relevant to NSW)

YOUR HOUSEHOLD CO₂ ZERO PLAN

E-bike	2022
Car 1	2023
Main Panel	2023
Rooftop Solar	2024
Green Electricity	2025
Water Heater	2026
Electric Cooking	2027
House Battery	2027
Car 2	2028
Space Heater	2030

ELECTRIFYING EVERYTHING WHAT DOES IT MEAN FOR YOU?

The latest SlowFood `conversation` was on the implications of electrifying everything. It was held at Nowra Library meeting rooms on the evening of 10th April 2024 with nearly 20 members and friends attending. Bob Haywood and John Kubale of Repower Shoalhaven gave a presentation which sparked a lively discussion around what actions the individual household could take to combat the impact of climate change with special reference to electricity use. It covered a wide range of issues, from the pros and cons of electric vehicles, rooftop solar power and its costs, use of batteries for house and community use and their recycling, replacement of gas appliances for cooking and heating, to the actions that should be taken on a national, state and district level.

All in all, it was an enjoyable and informative evening in which all those attending took part. It finished with more informal discussions over a splendid light supper prepared by Marilyn.

The next SlowFoodBerry2JB event is the African Supper at Meroo Springs on Saturday 18th May 2024. You are advised to book early!!

