

COMMUNITY CLIMATE ACTION PROJECT

# TOWARDS A NET ZERO MAGNETIC ISLAND (YUNBENUN)

## TOP NEWS OF THE MONTH

### EVENTS

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## Climate Action Project Update

Experts such as Anne Prince of APC are working on a zero waste strategy for Magnetic Island.


Townsville City Council, Plastic Free NQ, and local volunteers from Totally Renewable Magnetic (TRM) and Zero Waste Magnetic Island came together for the launch and community morning tea, where Wulgurukuba elder Brian Johnson shared his passion for protecting Country. The Climate Action Project will work through community consultation, surveys and workshops etc. with residents, and one-on-one with businesses **FREE** of charge!

**CLIMATE ACTION PROJECT LAUNCH - MAY 2024**  
DOUBLE CLICK TO WATCH THE VIDEO & MEET BRIAN JOHNSON



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### What waste do we generate and how do we use our energy?



Either scan the QR code or click on the above link, Your thoughts and input will help create our Zero Waste Strategy and Energy plan



**CLICK HERE FOR MORE INFO** «««



**MAGNETIC ISLAND COMMUNITY DEVELOPMENT ASSOCIATION**

Check out our *NEW* climate action project tab on the Magnetic Island Community Development Association (MICDA) website at [micda.com.au](https://micda.com.au)

**Climate action survey: closes 30 June 2024**



# TOTALLY RENEWABLE MAGNETIC

Totally Renewable Magnetic (TRM) aims to increase renewable power generation and energy grid independence across all household and business operations on Magnetic Island.

Producing over 5 GWh of renewable energy per year, Magnetic Island now generates 25% of its total electricity consumption with local renewable power! Further community uptake of new energy technology will help reach the target of Magnetic Island being 100% totally renewable. The results will ensure grid reliability during peak periods, extreme weather, and power outages. Join us at TRM in creating a powerful future for Magnetic Island!



## MEET OUR ENERGY BUSINESS ADVISOR

Stephen Rodan is an MIT graduate in mechanical engineering & nuclear physics, a former NASA JPL engineer & US Department of Energy fellow. He operates CHARM, a totally renewable & 100% energy independent, robotic coral farm in Nelly Bay. With TRM, Stephen aims to help other businesses obtain solar PV & hybrid battery systems. "Let's go totally renewable, Magnetic!"

## EXPERT ADVICE

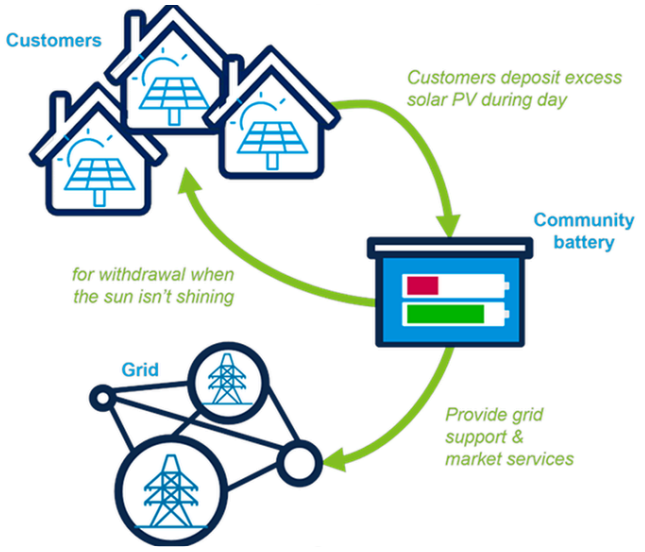
As your Energy Business Advisor, Stephen will:

- Consult on your power usage needs.
- Provide advice to reduce your energy bill.
- Provide energy efficiency tips and tricks.
- Guide you in obtaining renewable electricity.
- Facilitate grants, subsidies, and tax incentives.

**Stephen Rodan**  
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## ENERGY STRATEGY

Funding from the Great Barrier Reef Foundation (GBRF) Climate Action Grant has been earmarked for a microgrid feasibility study in a Magnetic Island village, with intentions for broader island-wide implementation. On 31 May 2024 a formal request for proposal (RFP) was sent to eligible engineering consultants. An impartial selection panel will select one and enlist them for the project.



Above: An example of a community battery - there are many different kinds!

**TO FIND OUT MORE [CLICK HERE](#)**

The Community Climate Action Project for Magnetic Island (Yunbenun) is funded by the partnership between the Australian Government's Reef Trust and the Great Barrier Reef Foundation.

## ➤➤➤ REDUCE WASTE

[VISIT THE ZERO WASTE MAGNETIC ISLAND WEB SITE](#) ⬅️⬅️

Check out the Zero Waste website. It's an excellent source of information on where, what, why, and how to recycle and reduce your waste on our Island. Register to participate in our food waste trial (see below), visit their Facebook page for ideas on repurposing, reusing old items, or join their meetings or art workshops. Businesses play a major part on the Island's journey to net zero waste. **Businesses can get tailored FREE advice** from the Zero Waste Business Advisor in collaboration with other stakeholders like Plastic Free NQ.

## MEET OUR ZERO WASTE BUSINESS ADVISOR



Adriana Labate is a biologist with experience in sustainability programs, environmental education and environmental impact assessments. Her work has engaged local communities in actively taking actions towards decarbonisation such as reducing their waste and creating more efficient recycling processes. She works with island businesses to help them achieve their sustainability goals.



**Adriana Labate**  
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## EXPERT ADVICE

As your Zero Waste Business Advisor, Adriana will:

- Consult on your waste generation and disposal with view to reduce impact and costs.
- Facilitate your participation in sustainability programs of your interest.
- Help you with sustainability related grant, subsidy and rebate applications.
- Provide practical help for you become part of the wider plan for Magnetic Island to be free of single-use plastic.



## FROM REFUSE TO RESOURCE

Food waste and weeds are being transformed from refuse to resource. Chris Sampson leads the Reef Assist team who remove invasive weeds and turn them into something special. Food waste is turned into soil conditioner which create more productive gardens. It's about transforming garbage which otherwise just creates methane and green house gasses, into something useful and needed by Islanders.

## FOOD & GREEN WASTE TRIAL



[WATCH THE VIDEO: FROM REFUSE TO RESOURCE](#)

