

# The Pilbara Solar Newsletter

ISSUE 02: SEPTEMBER 2019

## Our Vision

- STEP 1 Build a robust renewable energy industry where Traditional Owners are key stakeholders
- STEP 2 Scale up - Transition to 100% renewable Pilbara
- STEP 3 Globally cost competitive energy for local consumers industry and export

Welcome to the second edition of the Pilbara Solar Newsletter

## WATER IS LIFE - The Gilghi

Pilbara Solar is excited that Ampcontrol has entrusted us with the exclusive distribution rights to the 'Gilghi' remote water treatment technology, for the Kimberley, Pilbara and Gascoyne regions of Western Australia.

The Gilghi is an efficient, transportable and solar powered, water filtration solution. It transforms undrinkable bore water, seawater or contaminated water into pure water that meets the Australian Drinking Water Guidelines. The Gilghi is a gamechanger for regional Australia, where water is the lifeblood of community and economy. Agriculture and mining, tourism, regional communities and towns all depend on water for survival.

Gilghi means "water" or "place of water" in Barkindji language of Far West New South Wales.

**This is how it works:** The Gilghi water filtration uses a series of filters, reverse osmosis and UV sterilisation. It is powered by solar and purifies water during the day and then at night, the reticulation system picks up the stored, treated water and distributes it.

Each Gilghi unit is custom made for the customer's water requirements. The water user simply provides the water analysis to Pilbara Solar and describes how much water is needed per day.

The Gilghi is a compact containerised system that is housed on site and can be off-grid or connected to mains power. It can be transported by truck to any remote location. The system is scalable. Each unit can produce up to 28,000 litres of clean water a day, if greater volumes are required, more containers can be bought to site.

**A collaborative approach:** The Gilghi is the result of a collaboration between Aurecon and Ampcontrol. Ampcontrol's electrical systems design and manufacturing capability with Aurecon's process and hydrology expertise. Pilbara Solar has been selected to distribute in the Pilbara, Kimberley and Gascoyne for its reputation and local network.

**Remote Aboriginal Communities:** The Gilghi is exciting news for remote Aboriginal communities

relying on groundwater for their water supply. Pilbara Solar Director, Kariyarra woman Raylene Button said "Having clean, accessible water means everything to regional and remote communities. Not just for drinking water, but for essential everyday equipment such as air-conditioners and also health equipment. Clean water is also important for caring for natural vegetation, and continuing cultural activities on-Country. This is a step towards Closing the Gap for Aboriginal people."



**Mines and Mining camps:** The Gilghi creates a massive opportunity for mining companies to reduce their environmental footprint and water use and support the recycling of water onsite.

**Not just for drinking:** While the Gilghi can clean drinking water, it also safeguards smaller electrical systems that use water. Groundwater in arid areas can contain high concentrations of minerals that damage air conditioners, hot water systems, toilet cisterns and other equipment designed for "softer water systems."

**The Gilghi Pilot:** The Gilghi pilot is located in Sandy Hollow in Alice Springs and has produced excellent results to date. The official national product launch was held on August 22 at Sandy Hollow Community.

The water tastes great!

For more info on the Gilghi contact;  
[sam@pilbarasolar.com.au](mailto:sam@pilbarasolar.com.au)



## Pilbara Solar turns 2!

In September 2019, Pilbara Solar celebrated its second birthday. Pilbara Solar Pty Ltd was registered with ASIC on 6 September 2017. We are so proud of the progress we have made in the Pilbara towards developing renewable energy projects that are inclusive of Traditional Owners.

We have forged strong partnerships with Enernet Global and CPS National and more recently gained exclusive rights to distribute the Gilghi solar powered transportable water treatment system.

We are looking forward to reporting on more projects as they come to fruition in edition 3 of our newsletter.

In the meantime, thank you for your interest in Pilbara Solar over the last two years.

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## Meet the team

In this newsletter we shine the spotlight on Pilbara Solar Director  
Natalie Parker:



Natalie is a Nyiyaparli woman from the central Pilbara region who is well known in the community for her leadership capacity.

Natalie represents her community on the board of the Gumula Aboriginal Corporation, Gumula Enterprises Pty Ltd, Meta Maya Aboriginal Corporation, she is Co-Chairperson – Pilbara Regional Committee of Yamatji Marlpa Aboriginal Corporation (YMAC) and represents YMAC as a Director of Pilbara Solar Pty Ltd.

Natalie enjoys camping on-Country and spending quality time with her grandchildren. Her aspirations for the future include improvements in health, education and economic opportunities for Aboriginal people. She also would like to see the recognition of culture and a strong future for all.



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