

EPURON | St Patricks Plains Wind Farm

Newsletter 5 | January 2020

About the Project

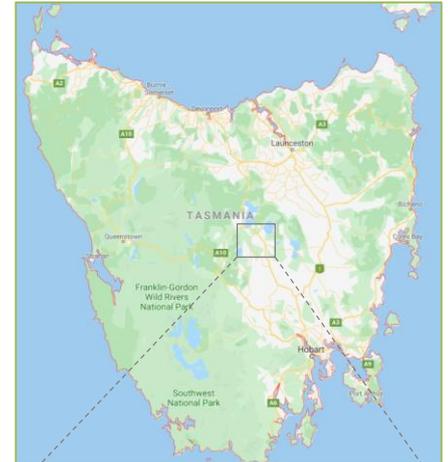
Epuron is proposing the St Patricks Plains Wind Farm with up to 67 wind turbines and associated infrastructure around Steppes in the Central Highlands of Tasmania. The proposed site is 10 km South of Miena and 25 km north of Bothwell in the Central Highlands Council Local Government Area.

The Environment Protection Authority Tasmania has issued final Project Specific Guidelines (PSG) for the wind farm and the studies which will inform the Environmental Impact Statement (EIS) are underway.

The PSG can be found under 'Draft EIS Guidelines and Public Submissions' at: <https://epa.tas.gov.au/assessment/assessments/epuron-pty-ltd-st-patricks-plains-wind-farm-central-highlands-tasmania>

The studies required by the PSG include Flora and Fauna surveys, Eagle utilisation surveys and nest searches, archaeology, traffic and transport impacts, social impact, noise, and visual impacts assessments.

Consultation is ongoing. The first Community Information Day was on 4th August 2019. The Epuron team had an information stall at the well attended Highlands Bushfest in Bothwell in November 2019 and on Saturday 1st February 2020 we will hold a further Community Information Day – see below.



Please join us at the Miena Community Information Day

**Great Lake Community Centre
55-57 Cider Gum Road
Miena, Central Highlands**

**Saturday 1st February 2020
4:00 pm to 7:00 pm**

There will be a sausage sizzle put on by the Great Lake Community Centre team.

Epuron would like to meet and hear from people who live or work in the area or use the area for recreation, so we are aware of any opportunities and /or concerns from either groups or individuals.

If the wind farm is approved and built, we want to minimise impacts where possible and maximise local benefits to the community.

Contact us:

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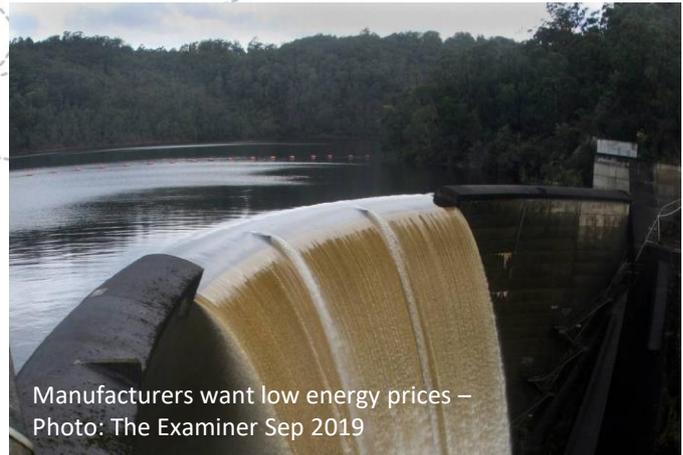
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Water bombing - NSW Jan 2020
Photo: AFP



Manufacturers want low energy prices –
Photo: The Examiner Sep 2019

Tasmania - Water uses and electricity generation

Tasmania is blessed with good rainfall, a cool temperate climate and a large number of water storages. Water is the basis of much of the State’s good fortune including its electricity supply, its fishing tourism industry and its expanding agricultural irrigation industry.

Hydro Tasmania’s ability to generate on demand, and to easily add pumped storage, is a significant driver of the Battery of the Nation concept. There are times however when rainfall is down and the water storages have lower than ideal levels.

Epuron believes that the addition of wind farms around the state can make a significant contribution to saving water to ensure it is used for its highest and best purpose and value - be that hydro generation, irrigation, releases for fisheries or water bombing of fires.

Water has traditionally been used in large volumes as part of electricity generation. Australians are increasingly aware of the high value of water as periods of drought are prolonged.

See the quantities of water used in various forms of electricity generation in the table below.

Water use by electricity generation type

Fuel type	2009-10 GWh	2009-10 m ³ water	2009-10 Litres of water	Litres/ MWh*
Black coal	114,112	143,600,744	143,600,744,000	1,260
Brown coal	56,068	99,711,865	99,711,865,000	1,780
Natural gas	26,447	23,421,109	23,421,109,000	886
Wind	4,388	3,159	3,159,000	0.72
Hydro	13,549	720,267,800	720,267,800,000	53,160

*Litres/MWh – 1m³ = 1,000 litres; 1 GWh = 1,000 MWh

Source: <https://arena.gov.au/assets/2018/10/ANU-STORES-STORES-Environmental-and-Water-Consumption-Impacts.pdf>

Note water used for hydro generation is available for use at lower elevations and not evaporated as much is in thermal generation.