Entry 2 - Part One – Junior

Hi, my name is Harrison and I live in Pacific Palms on the NSW North Coast.

As a Snowy Hydro Futurist, I am working towards finding a solution for Australia's transition to a renewable future.

Our current sources of renewable energy in Australia are Solar, Wind, hydro and Biogas – which had me thinking, why are we not using the most powerful natural source of energy available LIGHTENING!

My invention attracts and captures lightening and store its energy for use, in a network of powerful batteries.

Lightening is usually attracted to the highest point, so Lightning rods connected to large battery stations would be installed across Australia - on all of its highest mountains.

The large lightening fuelled battery stations are connected to the existing power grid, and each powerline has another battery attached for extra storage.

The Lightening fuelled battery system acts as a back-up source of energy to other renewable energy sources – such as Solar.

When there is no sun due to stormy weather, the lightening fuelled battery system can provide a boost to energy resources.

There is not currently a single battery large enough to hold all the volts from a strike, so the network of batteries will distribute and store the energy for use.

The amount of energy in an average lightning bolt is 300 Million volts. That's enough to run a 100 watt lightbulb for 18 months..

I am here filming at my local lightening hot spot – so HOT there is even a BOM weather station. I watch the storms travel from inland through the Bulahdelah rages, and out through Sugarloaf point where I am today.

Bulahdelah mountain would be a perfect trial site for my invention.

Lightening Fuelled Power stations, I believe could provide a solution to reducing our energy emissions and creating a renewable energy future for Australia.