

## Submission to the Senate environment and communications legislation committee on the virtue of nuclear power.

I believe there is an imperative to begin the use of nuclear power generation in Australia.

The driver behind this is the need for baseload power generation to supplement the power generated by renewable sources. The reason I believe nuclear power generation is the way of the future, is that we have all the resource is to produce it at a cost effective price, It produces no CO2 and the coal powered generators that currently produce baseload power are being phased out in the next 10 years.

Currently there is a delusion that green energy is significantly cheaper than nuclear powered generators, the problem with this theory is that it doesn't take into account that the power lines that have been accessed by both wind and solar are now at capacity, and to add extra capacity so that we can increase the amount of wind and solar being used by our society, we will have to build a significant amount of new trunklines so that these new green energy generation can access the grid.

The common sense way to go is to build a nuclear generation where the existing coal powered generators are, by doing this there is no need to build a significant number of trunklines that connect to the rest of the grid because these lines are already in existence.

We also need the legislation in place so that baseload power is not switched off to preference green energy! If we allow green energy to flow into the system whilst base load power is turned off then we will be producing a very expensive power, defeating the purpose of the green energy that is to produce clean and green energy.

In conclusion I would like to say that, we use nuclear power as a permanent supply to the grid and top up with green energy as it becomes available. Not the other way round where green energy is preference to baseload power. By doing this the nuclear power that will flow constantly into the grid will be the most cost effective and reliable source of power.

Regards Hugh Drum.