

I am a project manager with over 30 years of experience in the engineering and resources management industry. This is a personal submission to draw the committee's attention to a small modular reactor (SMR) offered by Nuscale (<https://www.nuscalepower.com>) and set to be commercially available by 2030.

A key point in support of removing the legal ban on approval of nuclear power are the safety design features of this reactor (<https://www.nuscalepower.com/technology/design-innovations>), in particular:

“No AC or DC power for safe shutdown and cooling: **Modules safely shut down and self-cool, indefinitely, with no need for AC or DC power, operator or computer action, or additional water.** This provides what is called an unlimited coping period—a first for light water reactor technology”

All safety claims have been validated by the US nuclear regulatory commission (<https://www.nuscalepower.com/technology/licensing>)

This and other enhanced safety features, if communicated honestly to the Australian public, can remove the historical fear and horror of nuclear power.

A removal of the legal ban on approving nuclear power would allow for rational consideration and evaluation of this breakthrough implementation of existing nuclear technology. Arguments about costs or feasibility of SMR's are not relevant at this point as that reality will become apparent over the next 8 years with the foundational project USAMPS, (<https://www.nuscalepower.com/projects/carbon-free-power-project>). At this point the key next step is to remove the blanket limitation.

I would however recommend the committee consider the impact of state and local government bans and consider amending the laws to have any Federal approvals override these.