



NUCLEAR FUEL CYCLE  
ROYAL COMMISSION

# Key Tentative Findings

February 2016

INVESTIGATING  
OPPORTUNITIES  
AND RISKS IN  
SOUTH AUSTRALIA

NYAKULA KULINTJAKU  
NGARANYI PANYA  
KUTJUPA KUTJUPA  
WIRU-TJARA MUNU  
KURA-TJARA  
ALATJIRIKU SOUTH  
AUSTRALIA-LA

The Nuclear Fuel Cycle Royal Commissioner, the Hon. Kevin Scarce, has made Tentative Findings

**Panya Nuclear Fuel Cycle Royal Commissioner, Hon Kevin Scarce-tu pula tjukurpa ara tjuta palyanu.**

The Tentative Findings explain the Commissioner's current thinking about the nuclear energy cycle in South Australia

**Ka Commissioner-nalu kuwari ara nyanga palunya tjananya wankara kulini panya nuclear energy cycle panya South Australia-la.**

## Key Tentative Findings

South Australia can safely increase its participation in nuclear activities and, by doing so, significantly improve the economic welfare of the South Australian community.

The Commissioner thinks that South Australia can do more of the nuclear energy cycle and this can be done safely for the benefit of all South Australians.

**Commissioner-South Australia-ngku piruku pulka palyantjikitjangku kulini nuclear energy cycle-pa palu nganana atunyaju purkarangku palyalku ngurawinkingka South Australia-la wiyamankuku.**

Community consent would be essential to the successful development of any nuclear fuel cycle activities.

The Commissioner thinks communities must be able to decide if they want to be involved.

**Commissioner-ngku South Australia-la nguru uwankarangku kulini nyanga palunya palyantjikitjangku kaya communityngkulta uwanmankuku tjinguruya wiyamankuku.**

# Key Tentative Findings

The management of the social, environmental, safety and financial risks of participation in these activities is not beyond South Australians.

There are risks if more of the nuclear energy cycle occurs in South Australia. The Commissioner thinks that South Australians can manage these risks.

**Kura kutjupa tjuta ngaranya tjinguru nganana piruku pulka palyalku nuclear energy cycle-nguru ka kutjupa tjuta ngaranya. Commissioner-ngku kulini South Australia-ngku ninti ngaralampa nintirngku atunymanykuku kura panya tjuta.**

Long-term political decision-making, with bipartisan support at both state and federal government levels, would be a prerequisite to achieving progress.

The Parliament in South Australia and the Commonwealth Parliament in Canberra both have to agree on this. If they don't agree, these things can't happen.

**Parliament South Australia-la nguru munu Commonwealth Parliament Canberra-la nguru kutjarangkutu pula kulilku nyanga palunya tjara. Tjinguru pula putu nguwanpa mukuringkunyangkampa wiya ngaraku.**

Any development would require sophisticated planning and consent-based decision-making, acknowledging the particular interests and experiences of regional, remote and Aboriginal communities.

Talking to the community and helping people to understand all the things they need to make a decision would be very important. The Commissioner understands that Anangu might see things differently to other communities.

**Tjinguru nyanga paluru alatjirinyangka community-ngka wangkanyi munu alpamilani Anangu tjuta nintirngkunyjtaku kutjupa kutjupa tjuta tjara. Commissioner nintirnganyi Anangungku tjinguru nyakuku kutjupa kutjupa tjuta ngura kutjupa tjuta nguru.**

## Exploration, extraction and milling

An expansion of uranium mining has the potential to be economically beneficial. However, it is not the most significant opportunity.

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More mining of uranium could be of benefit to South Australia, but it is not the biggest opportunity in the nuclear energy cycle.

**Mining panya uranium-nguru tjinguru palya nguwanpa South Australia-la palu pulkara alpamilantjaku ngaranytja wiya.**

## Further processing and manufacture

In an already oversupplied and uncertain market, there would be no opportunity for the commercial development of further uranium processing capabilities in South Australia in the next decade. However, fuel leasing, which links uranium processing with its eventual return for disposal, is more likely to be commercially attractive, creating additional employment and technology-transfer opportunities.

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Making the fuel for nuclear reactors might work here in South Australia, but on its own would be difficult.

If you make the nuclear reactor fuel and then take it back after it has been used, that might work better and create more jobs in South Australia.

This is called fuel leasing. You would have to store the used nuclear fuel when you take it back.

**Fuel-paya palyani nuclear reactor nguru tjinguru South Australia-la warkarintjaku, palu mauntalpa ngarala putu palyalku panya wituwitu mulapa.**

**Tjingurun palyara wiyaringkula malakuku katiku. Pala palula nguru warkariku munu warka pulka piruku pakalku South Australia-la.**

**Ka ini nyanga palumpa alatji fuel leasing. Nganmaynpa panya utjumilantja palunya nyuntu used nuclear fuel panyatja malakungu katira tjunanyi.**

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# Electricity generation

Taking account of future demand and anticipated costs of nuclear power under the existing electricity market structure, it would not be commercially viable to generate electricity from a nuclear power plant in South Australia in the foreseeable future.

However, Australia's electricity system will require low carbon generation sources to meet future global emissions reduction targets. Nuclear power may be necessary, along with other low-carbon generation technologies. It would be wise to plan now to ensure that nuclear would be available should it be required.

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Nuclear power – making electricity from a nuclear reactor – could work in Australia, but right now nuclear energy is too expensive to be used in South Australia.

**Tjinguru ngula mulapa  
nuclear power warkariku  
Australia-la. Palu  
kuwarinyanga alatjitu  
nuclear energy-pangku putu  
palyalku money wiya South  
Australia-la yutjumilantjaku.**

# Management, storage and disposal of waste

The storage and disposal of used nuclear fuel in South Australia is likely to deliver substantial economic benefits to the South Australian community. An integrated storage and disposal facility would be commercially viable and could be operational in the 2020s.

To deliver long-term benefits to future generations of South Australians, a special arrangement such as a state wealth fund should be established to accumulate and equitably share the profits from the storage and disposal of waste.

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The Commissioner looked at nuclear waste disposal. That means looking after the used nuclear fuel carefully, and putting it safely in the ground, forever.

The Commissioner thinks that disposing of used nuclear fuel can benefit all South Australians, both now and for future generations.

**Commissioner-ngku tjunkunytjikitjangku ngurini nuclear waste disposal. Panya nganmatju palyantja tjuta nganana atunytju purkarangku kanyilku manta unngu titutjara ngarintjaku.**

**Tjingurula nyanga palunya palyarampa Commissioner-ngku kulilku wiru palyantjikitjangku South Australia-la kuwariku ngulaku panya malatja malatja uwankaraku.**

# Have your say

## Yaaltji yaaltji wangkanyi

Anangu can have a say on these things.

### **Ananguku nyanganpa palyani.**

You can let the Commissioner know if you agree or disagree with what he is saying.

**Nyuntu Commissioner-ngka wangkama panya paluru nyuntula wangkanyangka wiyankunytjikitjangku munta uwanmankunytjikitjangku.**

You need to write this down and send it to the Commission.

**Nyuntu walkatjungkula iyanma Commission-ta kutu.**

You need to do this before 18 March 2016.

**18 March 2016 kuwaripangka nyuntu iyanma.**

The information you need to do this is on the Commission's website ([www.nuclearrc.sa.gov.au](http://www.nuclearrc.sa.gov.au)).

**Ka nyuntu ara nyanga palunya tjananya nyangama Commission-paku website-ngka palyantjikitjangku ([www.nuclearrc.sa.gov.au](http://www.nuclearrc.sa.gov.au)).**



**OUR WEBSITE**

**[www.nuclearrc.sa.gov.au](http://www.nuclearrc.sa.gov.au)**

If you need some help to do this, you can call the Commission Office to speak with Jon Bok, the Commission's Regional Engagement Manager.

**Tjinguru nyuntu mukuringanyi alpamilantjaku ringamilala Commission uputju kutu Jon Bok panya Commissions Regional Engagement Manager.**



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The Royal Commission thanks our Anangu translators who assisted with the preparation of this document.