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13 September 2019

Our Ref: CSIRO submission 19/672

Ms Shennia Spillane
Committee Secretary
House of Representatives Standing Committee on the Environment and Energy
PO Box 6021
Canberra ACT 2600
Via email: environment.reps@aph.gov.au

Dear Ms Spillane

Re: Inquiry into the prerequisites for nuclear energy in Australia

Thank you for the invitation to CSIRO to contribute to the above inquiry.

CSIRO has a range of capabilities relevant to the nuclear energy cycle including, amongst others:

- waste management and fuel processing
- social licence to operate
- site feasibility assessment including environmental and ecological assessment
- exploration, mining, mineral processing
- modelling to evaluate the potential roles of different energy mixes for Australia.

This submission highlights two projects that CSIRO has delivered which are relevant to the Inquiry's Terms of Reference:

1. South Australian Nuclear Fuel Cycle Royal Commission (<http://nuclearrc.sa.gov.au/>)

CSIRO provided technical expertise to assist the Royal Commission's Consultation and Response Agency (CARA) undertake state-wide community consultation on the Royal Commission's recommendations in the period August to October 2016. The following report includes a description of CSIRO's involvement (pages 5, 7 and 9): <http://assets.yoursay.sa.gov.au/production/2016/11/11/09/37/34/0c1d5954-9f04-4e50-9d95-ca3bf7d1227/NFCRC%20CARA%20Community%20Views%20Report.pdf>

2. GenCost 2018 report (<https://publications.csiro.au/rpr/download?pid=csiro:EP189502&dsid=DS1>)

CSIRO, in partnership with the Australian Energy Market Operator (AEMO), has published the GenCost 2018 report, which provides updated estimates of electricity generation costs, including consideration of the role of nuclear power. The report is available at the above weblink.

Should you require any further information please contact Dr Grant Farrell, CSIRO Government Relations,
on [REDACTED] or email [REDACTED]

Yours sincerely



Dr Peter Mayfield
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CSIRO