



Chris Arnott

CEO

The Treasury
Langton Crescent PARKES ACT 2600
16 January 2017

To whom it may concern,

RE: Pre-budget submission, 2020-21

Beyond Zero Emissions
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Thank you for the opportunity to make a pre-budget submission for the 2020-21 federal budget.

Beyond Zero Emissions (BZE) is a not-for-profit organisation that produces independent research solutions demonstrating that Australia can thrive through a transition to a zero emissions economy.

This submission explores economic modelling of BZE's 'Million Jobs' plan performed by economist Chris Murphy, which found seven sectors that had the potential to create 1.8 million Australian jobs over the next five years and **add 1 per cent to the national GDP**. Chris Murphy's full report analysing the macroeconomic impact of the *Million Jobs Plan* and detailed analysis of four representative Priority Projects is attached to this letter.

The sectors where new jobs and SME supply chains could be formed include 'Renewable Energy and Transmission', 'Retrofits and new Buildings', 'Electric Buses and Vehicles', 'Manufacturing and Mining', 'Land Regeneration' and 'Waste Recycle' and in support of high quality outcomes in each of those sectors, 'Training, Education and Research'.

Also attached is a 'priority list' of projects which are shovel-ready and should be considered immediately for funding to help kickstart the economy as Australia moves into a COVID-19 recovery phase. BZE has also **identified over 600 projects with the private sector** that may be of interest to the Treasury and Government. BZE is keen to share this wider list, the economic modelling and discuss these opportunities further. The shortlisted Priority Project deck is attached at the end of this letter.

Large corporations and investors are demonstrating their readiness to invest in programs of work that back the trend underway, including the ones identified in the *Million Jobs Plan*. Our current engagement includes positive responses from banks and large superannuation funds.

From a policy position, BZE supports efforts by the North Australia Infrastructure Facility, Australian Renewable Energy Agency, the Clean Energy Finance Corporation and policy positions of key departments and agencies like Australian Energy Market Operator, Australian Energy Regulator and National Housing

Finance and Investment Corporation and its continued efforts to create a platform and funding to encourage more renewable and sustainable project investment and participation.

BZE also supports recent Government initiatives including the outlining of proposed 'Renewable Energy Zones' (REZ) and transmission lines projects across the country that will link solar, wind and hydrogen projects into the energy grid and deliver cleaner and more affordable power for households.

With the aim of finding practical ways to reduce household power bills, BZE also supports forming a national subsidy program to upgrade houses with renewables like solar and batteries and other building materials to warm and cool households through the extreme months of winter and summer. The Priority Project list includes the following:

Shortlist of Priority Projects	Jobs	Value	Location
National Retrofit Scheme	240,000	\$36B	National
Retrofit Builders Training Program	5,000	\$50M	National
New Affordable Housing	26,000	\$1B	National
VNI Transmission Line	2,400	\$1.7B	NSW - VIC
Marinus Link	2,300	\$3.2B	TAS - VIC
Transcontinental Energy	12,100	\$4.5B	WA - SA
Jim's Plain & Robbins Island Renewable Energy Parks	3,700	\$1.5B	TAS
Oven Mountain Pumped Hydro Energy Storage	1,800	\$1.5B	N NSW
Walcha Energy Project	15,300	\$8.8B	N NSW
Star of the South	7,800	\$10B	VIC
Kennedy Wind Farm	700	\$1.5B	QLD
Central Queensland Power Hub	11,700	\$6.7B	Central QLD
Energy Renaissance	3,100	\$213M	NT + NSW
The Dubbo Project	3,800	\$1.3B	NSW
LAVO Hydrogen Batteries	1,400	\$2B	National

BZE looks forward to the release of the Government's 'Technology Investment Roadmap' in October and accelerating progress in these areas.

I look forward to engaging with you in the coming weeks.

Kind regards,



Chris Arnott
CEO, Beyond Zero Emissions

enc. Economic Impact of the Million Jobs Plan from Murphy Economics; BZE Priority Project Deck