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HELEN LIVESEY

WORLEY DIRECTOR CORPORATE AFFAIRS

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- Friday 15 July, 11:00-12:00 AEST, via Webex.
- Worley: Helen Livesey, Tiernan O'Rourke (Chief Financial Officer), Sue Brown (Executive Group Director Sustainability)
- Australia: Simon Duggan, s 22(1)(a)(ii)

Previous interactions

- Sue Brown, Executive Group Director Sustainability, attended the Sydney Energy Forum.
- You met with Dragoman's Managing Director, Tom Harley, and Worley CFO, Tiernan O'Rourke, in April.

Australia is actively supporting Indonesia's G20 presidency priority on sustainable energy transition — including a G20 Global Deal on accelerating energy transitions.

- But G20 discussions have also shifted to focus on energy security to meet the challenges caused by Russia's invasion of Ukraine — Australia sees energy security as an important part of the region's energy transitions.
- The G20 is looking to agree a 'roadmap' to guide our work on energy transitions in the next few years — I would welcome your views on what more G20 members can do to support private sector energy transitions investment.

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Indonesia wants leaders to be able to highlight concrete action on its priorities at the Bali Summit, including Business-to-Business and Public Private Partnerships.

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Worley can engage directly with the G20 through the Business 20 (B20) engagement group, which meets throughout the year and provides recommendations to leaders — the B20 is also prioritising energy, sustainability and climate this year.

- Indonesia is actively encouraging B20 leader-level engagement and has aligned the B20 Summit (13-14 November) with the Bali Summit (15-16 November).
- Has Worley engaged with the B20?

I am pleased that Worley could participate in the Sydney Energy Forum this week.

- We see the Forum as feeding into further work on energy transitions, including the G20 energy transitions agenda.
- Interested in your views on the Forum's outcomes and practical recommended actions.

Worley has previously briefed PM&C on their 'From Ambition to Reality' report and has since provided funding to the Net Zero Australia project.

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: PM&C has received briefing on the Net Zero Australia project (led by the University of Melbourne, University of Queensland, Princeton University and Nours Group), and looks forward to the first public release of their work soon (August 2022).

: We would be interested to know of any additional work by Worley to investigate what is required to deliver net zero emissions in Australia.

- The Australian Government's participation in COP27 is being managed by the new Department of Climate Change, Energy, Environment and Water.

: Processes for stakeholder engagement, including the makeup of Australia's official Government and non-Government delegation and form of participation (including access and participation) have not yet been settled.

: Happy to link up Worley's with relevant DCCEEW contacts to discuss COP27 participation.

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Background



Worley has delivered over 3,500 energy transition projects in over 45 jurisdictions. Worley operates and maintains seven critical power assets across Australia's generation portfolio, equivalent to approximately A\$100 billion of energy infrastructure investments.

Worley's *From Ambition to Reality* report was released in August 2021 (a copy was sent to previous PM&C Secretary). The report explores the practical shifts required to successfully develop and deliver the energy infrastructure to achieve net zero by 2050.

Worley are sponsoring Net Zero Australia, a comprehensive modelling exercise covering the Australian energy transition and decarbonisation pathways. The first publication is expected in August 2022.

Net Zero Australia will explore the energy mix needed in 2050, including the geographic location of transmission assets, carbon capture and storage assets. The report will be accompanied by work investigating how to deliver the transition, including managing social license issues and economic constraints.

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Meeting arrangements:

- Friday 15 July, 11:00-12:00 AEST, via Teams
- Worley: Helen Livesey [pron: live-see], Tiernan O'Rourke (Chief Financial Officer), Sue Brown (Executive Group Director Sustainability)
- Australia: Simon Duggan, s 22(1)(a)(ii)

Previous interactions

- Sue Brown, Executive Group Director Sustainability, attended the Sydney Energy Forum.
- You met with Worley CFO, Tiernan O'Rourke, and Dragoman's Managing Director, Tom Harley, in April.

- Thank you for reaching out — interested to hear about any of your current engagement with the G20 and what you see as the opportunities.
- Australia is actively supporting **Indonesia's G20 presidency priority on sustainable energy transition** — including a G20 Global Deal on accelerating energy transitions.
 - G20 discussions have also shifted to focus on energy security to meet the challenges caused by Russia's invasion of Ukraine — Australia sees energy security as an important part of the region's energy transitions.
 - The G20 is looking to agree a 'roadmap' to guide our work on energy transitions in the next few years — I would welcome your views on

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what more G20 members can do to support private sector energy transitions investment.

- The next critical G20 discussion on this issue will take place at the Energy Ministers' Meeting (2 September).
- Indonesia wants leaders to be able to highlight **concrete action** for citizens at the Bali Summit, including Business-to-Business and Public Private Partnerships.
 - s 47C , s 47E(d)
- Worley can engage directly with the G20 through the **Business 20 (B20) engagement** group, which meets throughout the year and provides recommendations to leaders — the B20 is also prioritising energy, sustainability and climate this year.
 - Indonesia is actively encouraging B20 leader-level engagement and has aligned the B20 Summit (13-14 November) with the Bali Summit (15-16 November).
 - And we expect opportunities to continue into India's 2023 presidency.
 - Has Worley engaged with the B20?
- I am pleased that Worley could participate in the **Sydney Energy Forum** this week.
 - We see the Forum as feeding into further work on energy transitions, including the G20 energy transitions agenda.
 - Interested in your views on the Forum's outcomes and practical recommended actions.
- We would be interested to hear about any additional **Worley work** to investigate what is required to **deliver net zero emissions in Australia**. [*Worley has previously briefed PM&C on their 'From Ambition to Reality' report and has since provided funding to the Net Zero Australia project.*]
- The Australian Government's participation in COP27 is being managed by the new Department of Climate Change, Energy, Environment and Water.
 - : Happy to link up Worley with relevant DCCEEW contacts to discuss COP27 participation.
 - : Processes for stakeholder engagement, including the makeup of Australia's official Government and non-Government delegation and form of participation (including access and participation) have not yet been settled.

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Worley signalled in March that it will pull out of Russia, following Russia's invasion of Ukraine.

Worley's *From Ambition to Reality* report was released in August 2021 (a copy was sent to previous PM&C Secretary). The report explores the practical shifts required to successfully develop and deliver the energy infrastructure to achieve net zero by 2050.

Worley are sponsoring Net Zero Australia, a comprehensive modelling exercise covering the Australian energy transition and decarbonisation pathways. The first publication is expected in August 2022.

Net Zero Australia will explore the energy mix needed in 2050, including the geographic location of transmission assets, carbon capture and storage assets. The report will be accompanied by work investigating how to deliver the transition, including managing social license issues and economic constraints.

Recent projects:

- On July 12 2022, Worley was awarded a Santos professional services contract to help guide its Bayu-Undan carbon capture and storage project in the Timor Sea. The project is expected to store up to 10 million tonnes of carbon dioxide per annum, and has the potential to be one of the largest CCS projects in the world.

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- In 2019-2020 Worley worked with Queensland Nitrates and Neoen to complete a feasibility study for a new green hydrogen to ammonia plant. The study determined that the project is technically viable, but it requires significant government support in the

form of grants and concessional loans to be commercially viable. A pathway towards commercially viable large scale green ammonia production was identified.

- Worley positively contributed to 'A Hydrogen Roadmap for South Australia', and found the use of green hydrogen for fertilizer, transport and large-scale export had a positive Net Present Value for investment.

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Gas (gas-led recovery, pipelines, hubs and infrastructure)
Manufacturing (manufacturing taskforce)
Conflicts of interest
Fails
Contests
Transportation
Newly formed
And new lives

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