

s.73 Irrelevant information

From: Tam van Alphen
Sent: Thursday, 17 February 2022 5:08 PM
To: Ross MacLeod
Subject: FW: marine matters presentation
Attachments: 310122 DRX - NPBR Transhipment Brief Final (1).pdf; Solar Panels Effects.docx

Importance: High

To discuss

From: Neil McIntyre s.73 Irrelevant information
Sent: Friday, 11 February 2022 1:30 PM
To: Tam van Alphen <Tam.VanAlphen@ministerial.qld.gov.au>
Subject: marine matters presentation
Importance: High

Hi Tam , I trust you are well!

FYI - please find attached a presentation we recently gave to Ports North (in Cairns by our COO Peter Brown).

We have been working with Ports for some time to ensure they are comfortable with our approach and how we move forward to more formal arrangements.

CTPI - Business Affairs

I have also attached an excerpt from a recent corporate presentation on life of mine production of solar panels (from our silica product) and the emissions savings attached – interesting reading!

Let me know if you have any further queries on any of the attached information – happy to answer any questions.

Kind Regards



Neil McIntyre MBE

Chief Executive

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Pages 3 through 35 redacted for the following reasons:

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Our Silica – making solar panels – de-carbonising the world economy

- Project will produce 31Mt gross silica sand over LOM, potentially used to produce over **3.2B** solar panels producing 'clean energy' well beyond actual Project mine life.
- Based on estimated energy generation over life of panels, the emissions saving compared to coal fired power would equate to taking 132M cars (petrol) off the road
- Savings in emissions equivalent to planting 34-291 million ha of trees
- Total emissions savings could power equivalent of 38.7M Australian households
- Net projected reduction in emissions of **25.5kt CO₂**
- The total lifecycle emissions associated with solar panels produced as a result of the GSSP is approximately 1,093Mt CO₂-e. This compares to approximately 26,669Mt CO₂-e for the equivalent amount of energy generation by burning coal.

Calculation - Solar panels: 26,669 billion kWh x 0.041kg CO₂-e/kWh = 1,091,425,000kg CO₂-e - Versus Coal power: 26,669 billion kWh x 1kg CO₂-e/kWh = 26,669,000,000kg CO₂-e

Note Calculation on silica consumption in PV panel manufacturing and electricity generation undertaken by independent consultants. EMI Oct 2021 from available public data and production data from OES.

CO₂e savings



38.7 million households



132 million cars



34 to 291 million hectares of trees

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