

Flinders Council
4 Davies St, Whitemark TAS 7255
12 December 2017

Attention: Bill Boehm, General Manager





The Institute of Project Management has reviewed the figures provided for the Safe Harbour project and applied the Tasmanian Regional Input-Output Matrix (RIOM) model to the data.

RIOM applies the Australian Bureau of Statistics 2012-13 transaction tables (ABS, 2015) in conjunction with demand and employment information for each Australian State and Territory to model the impact of changes in demand on regional economies, estimating changes in their output, employment and Gross State Product (GSP).


Independent input/output modelling by the Institute of Project Management shows that the investment of \$4.78m in the construction phase of the Safe Harbour project will positively impact GSP by \$2.93m. These benefits include 20 Full Time and 9 Part Time jobs on Flinders Island and across Tasmania. We would expect employment futures to be consistent with the general population demographics.

Using the future cash flows forecast provided, the operational phase of the project will, on average, have an annual positive impact on GSP of \$0.59m over 20 years. These benefits include 9 Full Time and 10 Part Time jobs on Flinders Island and across Tasmania. By 2037, the economic expenditure motivated by the Safe Harbour project will enable up to 30 Full Time and 30 Part Time jobs.

Changes in employment and gross state product (GSP) are proportional to changes in output following the constant return to scale assumption inherent in I/O models. A number of the assumptions that underpin the analysis are disclosed here:

-  Financial multipliers are calculated using the Tasmania Regional Input-Output Matrix (RIOM) model. This model is derived from the 2012-13 Tasmania Input-Output Table adjusted for each State and Territory's demand and employment data. Financial multipliers are assumed to be consistent between 2017 and 2012-13.
-  Employment impacts are estimated using RIOM, with expenditure adjusted for CPI movement between 2012-13 and 2017.
-  Impacts are calculated based on direct, indirect (intermediate inputs), and household consumption effects. Increases in gross operating surplus or taxation revenue are not assumed to directly result in increased expenditure in the Tasmania economy (the government sector is not closed).
-  Where demand results in importation of goods or services from outside of Tasmania (interstate or overseas), no further impact is assumed on the economy.

Thank you for the opportunity to provide this analysis, and please do not hesitate to contact us at any time in this regard.



Paul Muller
Executive Director

Flinders Island Marine Access and Safe Harbour - Jobs Allocation				
Item	Construction	Ongoing 2021	Ongoing 2037	Average
<i>Note based on Institute of Project Management Analysis</i>				
Full Time (Direct and Indirect)	20.0	9.0	30.0	19.5
Part Time (Direct and Indirect)	9.0	10.0	30.0	20.0
FTE assume 0.5				
Indigenous (<i>assumes 20% based on FIAA expectations</i>)				
Direct Jobs				
Direct Jobs Full Time	16.0	7.0	25.0	16.0
Direct Jobs Part Time	6.0	6.0	25.0	15.5
Direct Jobs FTE	19.0	10.0	37.5	23.8
Direct Indigenous Jobs	3.8	2.0	7.5	4.8
Indirect Jobs				
Indirect Jobs Full Time	4.0	2.0	5.0	3.5
Indirect Jobs Part Time	3.0	4.0	5.0	4.5
Indirect Jobs FTE	5.5	4.0	7.5	5.8
Indirect Indigenous Jobs	1.1	0.8	1.5	1.2