



# Financial Case for Decarbonisation



Port Investment Impact



# Project Overview



## **Strategic Investment**

A \$200 million investment focused on reducing social and environmental externalities in port operations.

## **Economic Throughput**

Maintaining the port's \$720 million annual economic output while pursuing sustainability goals.

## **Sustainability and Resilience**

Enhancing the port's sustainability profile to ensure long-term economic and environmental resilience.

## **Net Gross Value Added Improvement**

Reducing social and environmental costs to improve the port's overall financial viability.



## Annual Impact Comparison

METRIC	BASELINE	AFTER SCENARIO	CHANGE
Economic Impact	\$720M	\$720M	—
Social Impact	-\$28M	-\$11M	+\$17M
Environmental Impact	-\$58M	-\$15M	+\$43M
Net GVA	\$634M	\$694M	+\$59M

## NPV Over 20 Years

SCENARIO	NPV
Baseline	\$5.78B
After Scenario	\$6.66B
NPV Uplift	\$880M



## ROI Calculation

ROI was calculated using NPV uplift, showing a highly profitable \$880 million increase from a \$200 million investment.



## High Financial Efficiency

An ROI of approximately 444% demonstrates exceptional financial efficiency of the decarbonisation project.



## Rapid Payback Period

Annual Net GVA uplift of \$59 million indicates a payback period of less than four year, confirming project viability.



# Summary Statement

## Investment and ROI

A \$200 million investment in decarbonisation yields an 444% return on investment, showing strong financial gains.

## Environmental and Social Benefits

Decarbonisation reduced social and environmental costs by \$60 million annually, highlighting sustainability benefits.

## Maritime Sector Relevance

Findings support integrating decarbonisation into port development, aiding financial feasibility of green maritime projects.