



02 February 2024

Company Announcements Office
ASX Limited

Dear Sir / Madam

Brazil Resources Conference Presentation

Enclosed is a presentation that is to be made by the CEO and Managing Director today.

This announcement was authorised by the CEO and Managing Director.

Yours faithfully

Daniel Murnane
Company Secretary

Karoon Energy Foster Stockbroking Brazil Resources Conference

February 2024



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Numbers have been rounded up or down where the digit is less than or greater than 5. We note that tables may not add due to rounding.

Forward looking statements

This presentation may contain certain 'forward-looking statements' with respect to the financial condition, results of operations and business of Karoon and certain plans and objectives of the management of Karoon. Forward looking statements can generally be identified by words such as 'may', 'could', 'believes', 'plan', 'will', 'likely', 'estimates', 'targets', 'expects', or 'intends' and other similar words that involve risks and uncertainties, which may include, but are not limited to, the outcome and effects of the subject matter of this presentation. Indications of, and guidance on, future exchange rates, capital expenditure, earnings and financial position and performance are also forward-looking statements.

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Guidance for the 12 months from 1 January 2024 to 31 December 2024 is uncertain and subject to change. Guidance has been estimated on the basis of various risks and assumptions, including those "Key Risks" set out in Karoon's 2023 Annual Report.

References to future activities development, appraisal and exploration projects are subject to approvals such as government approvals, joint venture approvals and Karoon approvals. Karoon expresses no view as to whether all required approvals will be obtained.

Reserves disclosure

Reserves and Resources estimates are prepared in accordance with the guidelines of the Petroleum Resources Management System (SPE-PRMS) 2018 jointly published by the Society of Petroleum Engineers (SPE), World Petroleum Council (WPC), and American Association of Petroleum Geologists (AAPG) and Society of Petroleum Evaluation Engineers (SPEE).

Unless otherwise stated, all petroleum resource estimates are quoted as at the effective date (i.e. 30 June 2023) of the Reserves and Resources Statement included in Karoon's 2023 Annual Report.

Oil and gas reserves and resource estimates are expressions of judgement based on knowledge, experience and industry practice. Estimates that were valid when originally calculated may alter significantly due to new information or when new techniques become available. Additionally, by their nature, reserves and resource estimates are imprecise and depend to some extent on interpretations, which may prove to be inaccurate. As further data becomes available through for instance production, the estimates are likely to change. This may result in alterations to production plans, which may in turn, impact the Company's operations. Reserves and resource estimates are by nature forward looking statements and are the subject of the same risks as other forward-looking statements.

Karoon is not aware of any new information or data that materially affects the information included in the Reserves and Resources Update. All the material assumptions and technical parameters underpinning the estimates in the Reserves and Resources Update continue to apply and have not materially changed.

Authorisation

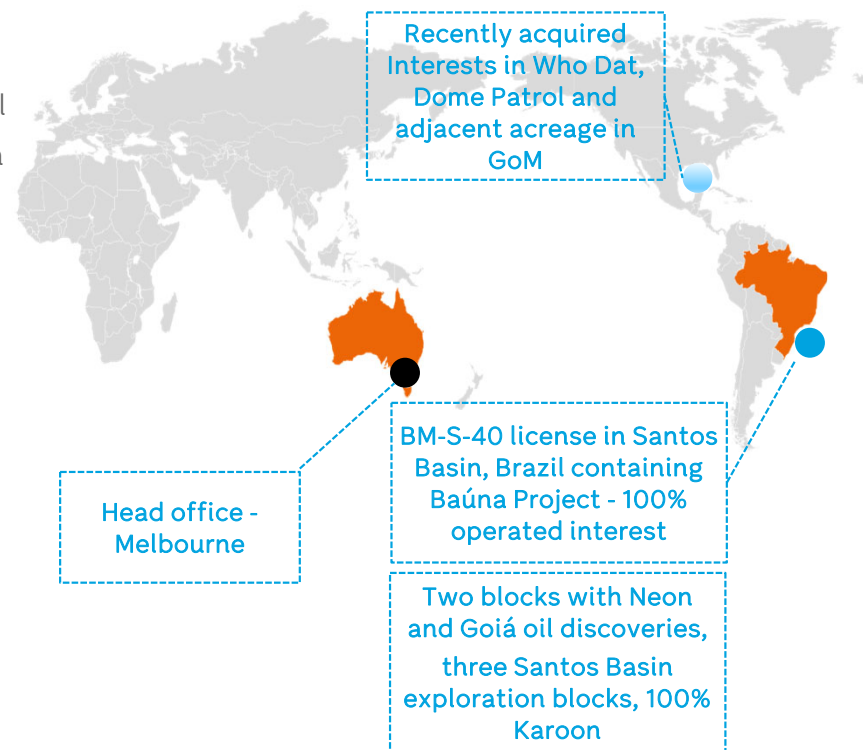
This presentation has been authorised for release by the Chief Executive Officer and Managing Director of Karoon Energy Ltd.

Overview of Karoon Energy

Oil production offshore Brazil, recent acquisition in US Gulf of Mexico



- › Interests in two world class oil and gas basins:
 - › 100% owner/operator of high quality Baúna Project in BM-S-40 offshore Brazil
 - › Acquired¹ 30% non-operated interest in Who Dat/Dome Patrol oil/gas fields in US GoM, plus various interests in adjacent exploration acreage
- › Highly experienced Board, management, operations, exploration and development teams
- › Neon discovery in Brazil with 60 MMbbl 2C Resources² progressing towards Concept Select decision gate
- › GoM acquisition builds scale, expected to add approximately 50%³ (net revenue interest basis) on top of base Baúna CY24 production, increase 2P Reserves⁴ by 75% and 2C + 2U Resources⁴ by 50% as at August 2023⁴
- › Potential for further growth through organic opportunities in GoM and Brazil
- › Committed to emissions targets – Carbon Neutral on existing operations since FY21, targeting to remain Carbon Neutral, aiming for Net Zero by 2035⁵



1. Refer ASX release dated 22.12.23 "Karoon completes acquisition of interest in the US Gulf of Mexico"

2. Contingent Resource volume estimates presented for Neon as disclosed in the 2023 Annual Report. Karoon is not aware of any new information or data that materially affects this resource estimate and all material assumptions and technical parameters underpinning the estimate continue to apply and have not materially changed.

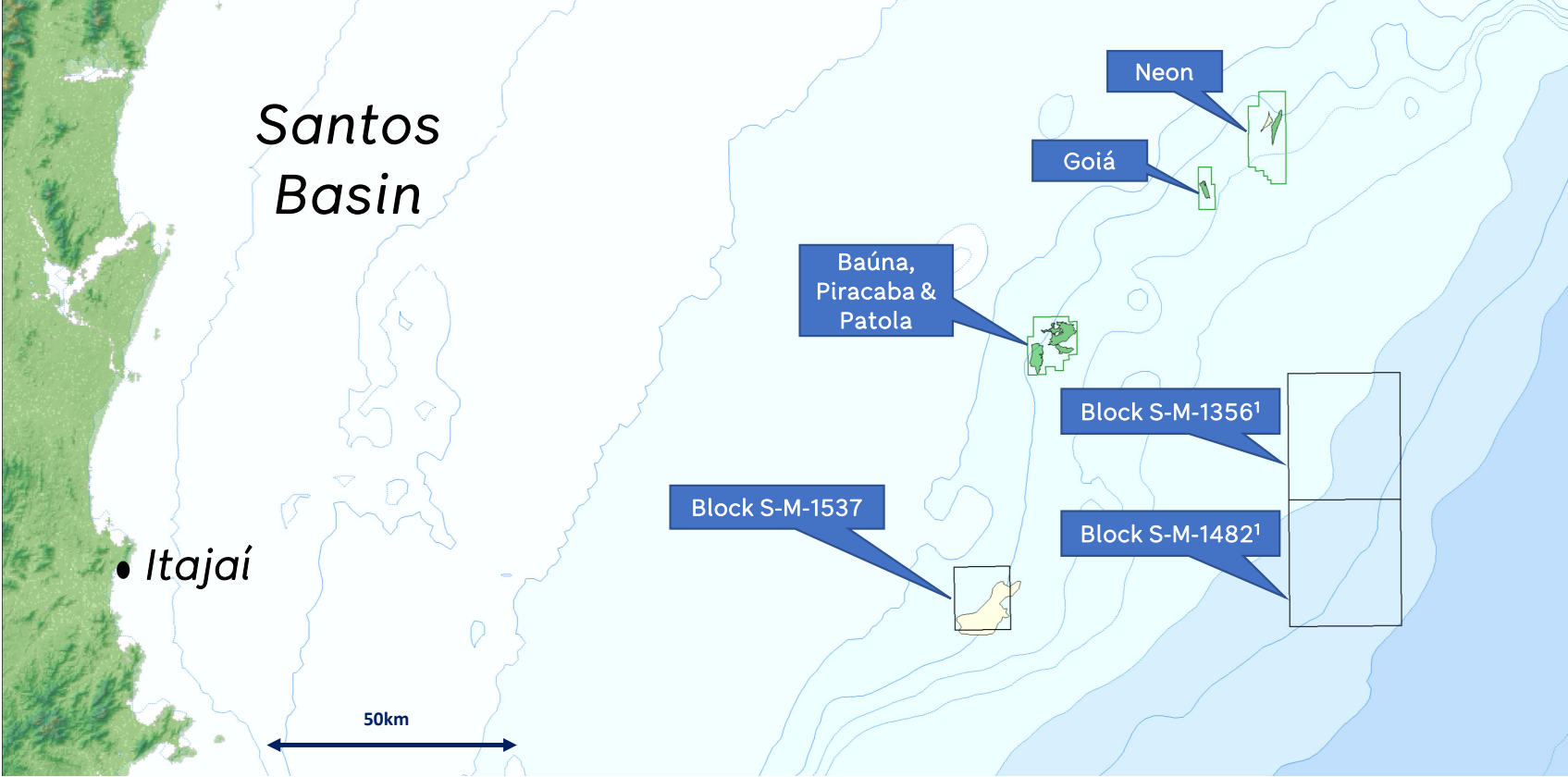
3. Refer ASX release dated 29.1.24 "December 2023 Quarterly Activities Report"

4. Refer to slide 9 of ASX release dated 16/11/23 "Acquisition of Interest in GoM - Investor Presentation". Karoon is not aware of any new information or data that materially affects these resource estimates, and all material assumptions and parameters are unchanged.

5. Carbon Neutral refers to firstly, reducing or avoiding operational Scope 1 and 2 greenhouse gas (GHG) emissions and, secondly, acquiring carbon offsets to balance the remaining Scope 1 and Scope 2 emissions. Net Zero refers to reducing Scope 1 and 2 GHG emissions as far as practical and balancing the residual GHG emissions produced with GHG emissions removed from the atmosphere.

CY relates to the twelve month period to 31 December. FY relates to the twelve month period to 30 June

Karoon's interests in the Santos Basin, Brazil



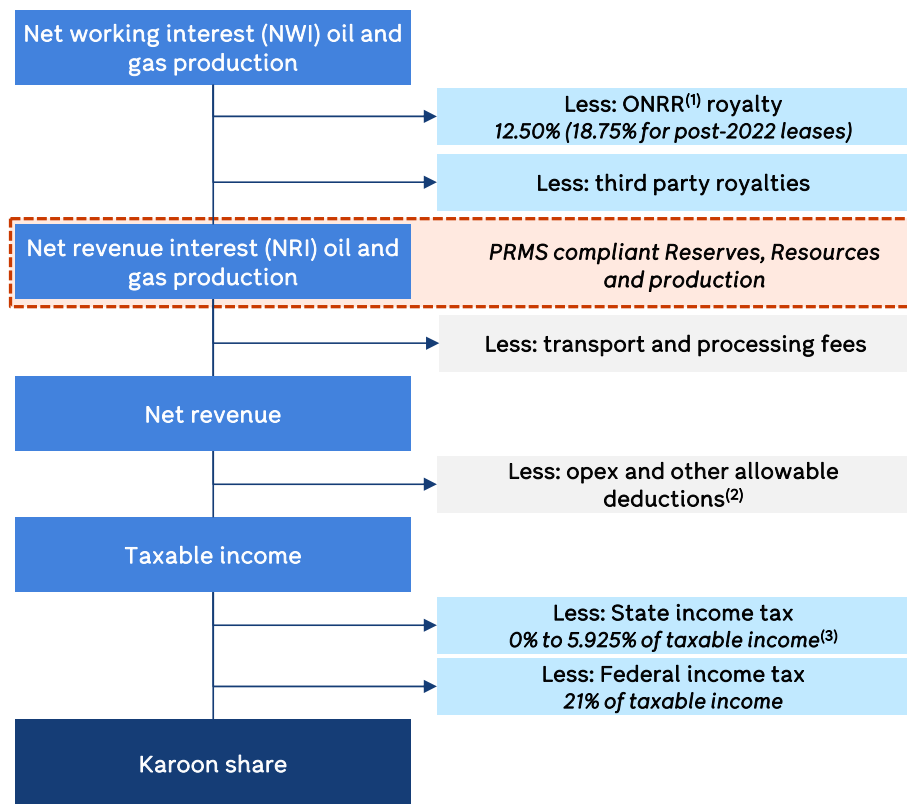
Production and Development Blocks	
Exploration Blocks	
Fields and Discoveries	
Prospects	

1. Formal granting of the blocks is expected to occur in the second quarter of 2024. Refer ASX release dated 14.12.23 "Successful bid for blocks in Santos Basin through Brazilian bid round"

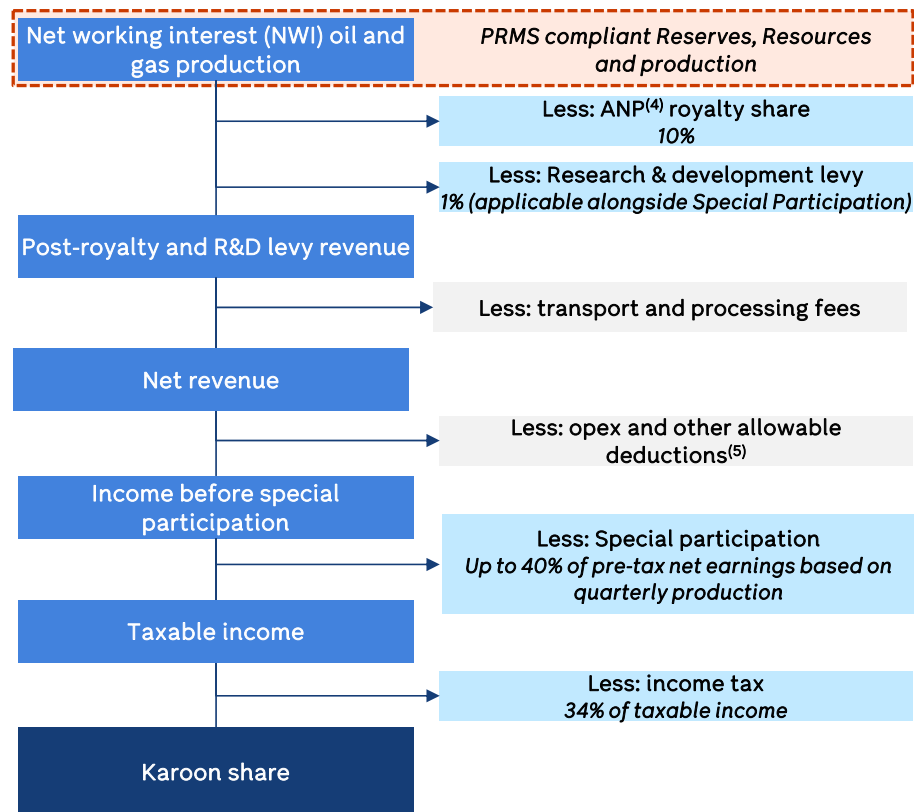
Fiscal regime comparison



US Deepwater Gulf of Mexico



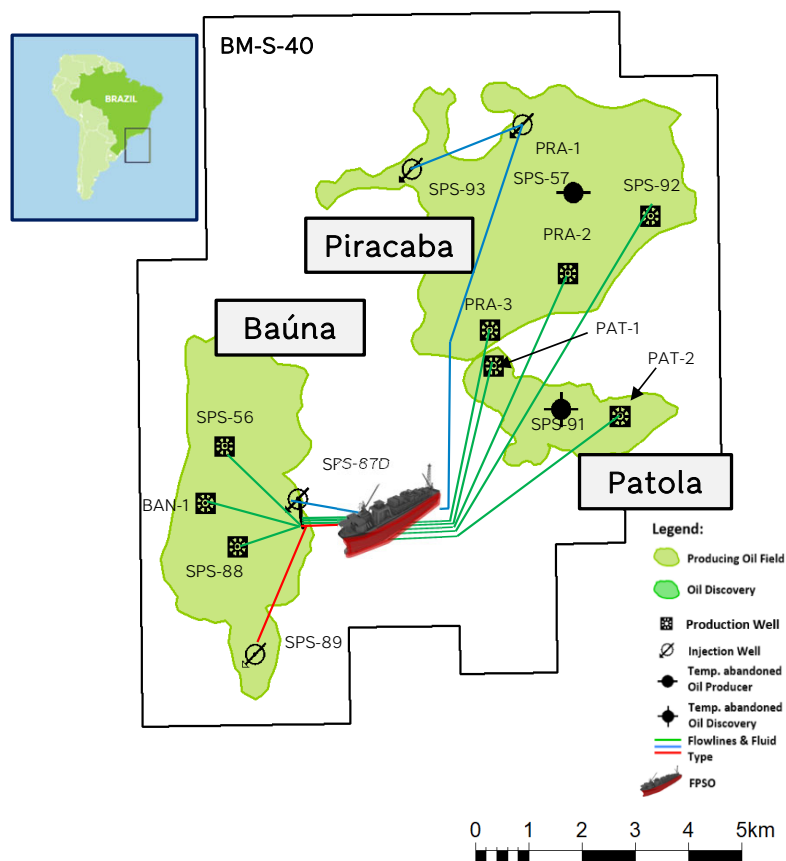
Brazil



Notes: 1. Office of Natural Resources Revenue, being a unit of the United States Department of the Interior. 2. Intangible drilling can be immediately deducted whilst other costs are subject to either the modified accelerated cost recovery system or units of production method. 3. Prospective liability depends upon detailed assumptions regarding the destination of marketed goods and the way production is marketed. 4. The Brazilian National Agency for Petroleum, Natural Gas and Biofuels. 5. Depreciation is typically recorded using the straight-line method.

BM-S-40: Baúna, Patola and Piracaba

Reservoir performance in line with current expectations



- No Lost Time or Recordable incidents for Calendar Year 2023
- Baúna Project production 5.38 MMbbl for six months to 31 December 2023
- December quarterly production impacted by operational issues related to gaslift dehydration unit on FPSO. Remediation of topside and hydrate issues completed 20 January 2024²
- SPS-88 well expected to remain offline until 4Q24 due to mechanical blockage²
- Baúna project production for CY24 expected to be 7.2 – 9.0 MMbbl¹
- Baúna project reservoir performance is in line with expectations

At 30 June 2023

	Reserves ³		
	1P (MMbbl)	2P (MMbbl)	3P (MMbbl)
Baúna	39.8	51.8	61.3
	Contingent Resources ³		
	1C (MMbbl)	2C (MMbbl)	3C (MMbbl)
Baúna	10.5	11.1	14.9

1. Refer ASX release dated 29.1.24 "December 2023 Quarterly Activities Report"

2. Refer ASX releases dated 23.1.24 "CY24 production update and revised guidance" & 29.1.24 "December 2023 Quarterly Activities Report"

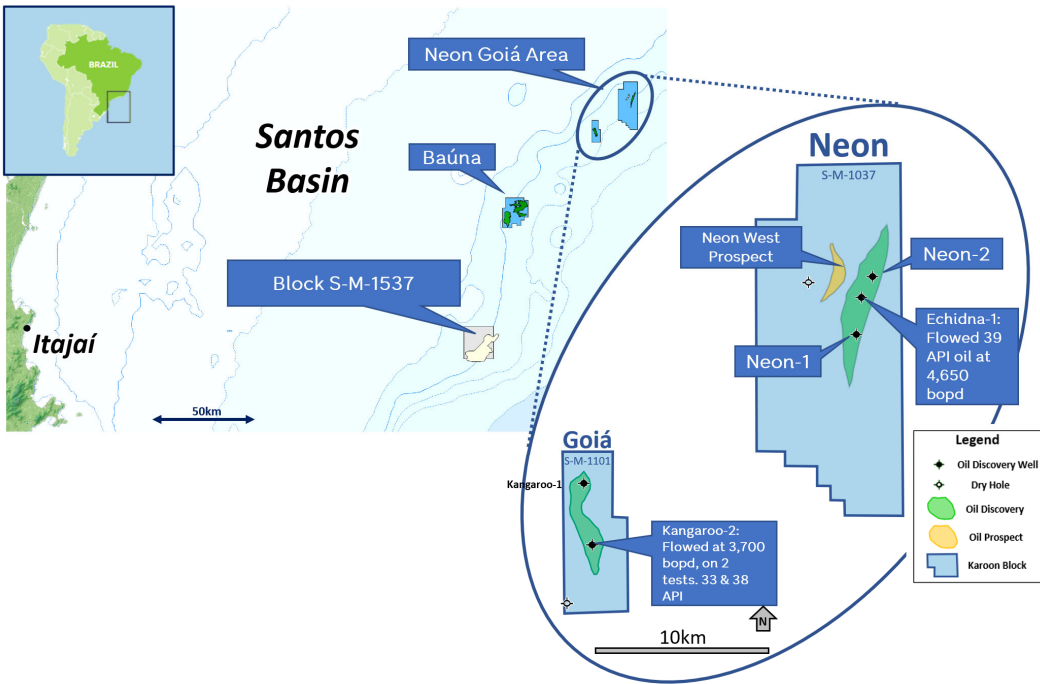
3. Reserves and Resources as at 30 June 2023 (see page 32 of the 2023 Annual Report). Karoon is not aware of any new information or data that materially affects these resource estimates, and all material assumptions and parameters are unchanged.

Organic Growth: Potential Neon development

Decision on entering Concept Select phase remains on track for Q1 CY24



- ▶ Successful Neon control wells drilled in FY23 achieved pre-drill objectives. Control well results have helped de-risk Neon
- ▶ Technical and commercial feasibility studies underway including detailed subsurface modelling, integrating seismic reprocessing, core and fluid sample analyses
- ▶ Neon Project on schedule for DG-1 feasibility decision gate at end of March 2024, as planned
- ▶ Potential concepts being evaluated include:
 - ▶ A standalone FPSO (utilising new build or redeployed unit)
 - ▶ Subsea tie-back either of Neon to Baúna FPSO or Baúna to FPSO at Neon



Entry to Concept Select
Late 1QCY24

Final Investment Decision
Late CY25

Front End Engineering and Design
Early CY25

First Oil
**Late CY28/
Early CY29**

Timeline subject to positive stage gate decisions

Acquisition of Who Dat assets in Gulf of Mexico

Compelling value proposition

Karoon acquired¹ 30% interest in offshore Who Dat and Dome Patrol oil and gas fields, associated infrastructure and adjacent exploration acreage²

Acquisition consideration of US\$720m⁶ funded by cash, debt and a fully underwritten equity raise

Entry to US Gulf of Mexico



Low risk entry into Tier 1 prolific hydrocarbon Basin with highly experienced operator, LLOG

Acquisition of high value, low emission intensity barrels



Low cost barrels (opex US\$5.70 / boe³) to deliver long term production and pre-tax cash operating margin of 67%⁹

Highly strategic acquisition



Achieves Karoon's M&A objectives and establishes platform for further growth

Increases scale
Builds scale with GoM acquisition to increase CY24E production by ~50% (NRI) increased +75% 2P Reserves and +50% 2C + 2U Resource as at August 2023⁷



Delivers immediate financial return



Mid teens cash flow per share and earnings per share accretive⁴, exceeds Karoon's IRR hurdles⁵

Low risk infrastructure-led growth



Growth from low risk, low cost, near term infill development, material discovered resource upside and attractive exploration opportunities

Materially diversifies business



Geographically diversifies asset base and offsets natural decline from Baúna with a long-life asset

Robust balance sheet



Balance sheet remains strong, with peak leverage at 0.4x FY23A pro forma EBITDA and liquidity of US\$80m⁸

1. Refer ASX released dated 22.12.23 "Karoon completes acquisition of interest in the US Gulf of Mexico"
2. Refer to Appendix A, "Acquisition of Interest in GoM - Investor Presentation" dated 16/11/23 for detailed breakdown of permits and Blocks acquired.
3. Gross Interest basis, LTM (Last Twelve Months) to July 2023.
4. Reflects the first full year of ownership. The purchase price accounting for the Transaction has not been finalised, resulting in the inclusion of an estimated depreciation and amortisation charge relating to the Target. The cash flow accretion analysis includes approved CAPEX and excludes debt repayments, and one-off integration costs. The newly issued shares are calculated based on a TERP discount of 10.8% on a share price of A\$2.05/share.
5. Karoon's internal pre tax IRR hurdles align with industry normal practices and target an average (across all investments) in the mid teens, adjusted for geopolitical and fiscal stability risk of the region of investment.
6. Exploration is subject to carry of US\$39.1 million on a 2 for 1 basis.
7. Refer to slide 9 of ASX release dated 16/11/23 "Acquisition of Interest in GoM - Investor Presentation". Karoon is not aware of any new information or data that materially affects these resource estimates, and all material assumptions and parameters are unchanged.
8. Refer to slide 30 of "Acquisition of Interest in GoM - Investor Presentation" dated 16/11/23
9. Refer to slide 15 of "Acquisition of Interest in GoM - Investor Presentation" dated 16/11/23

High margin production asset

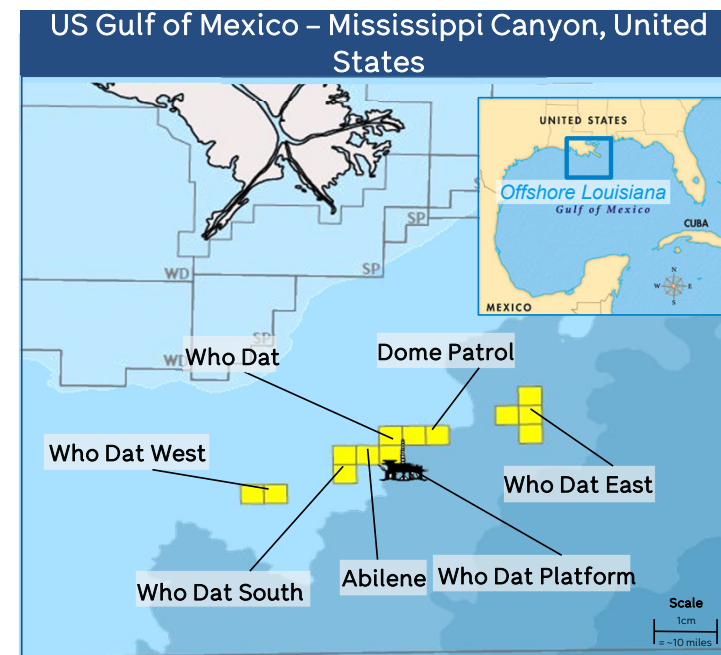
Growth underway with development and exploration opportunities



Location	› Mississippi Canyon, US Gulf of Mexico (offshore Louisiana, ~800m water depth)
Production for 12 months to July-23	› ~33,000 boepd ¹ - 61% oil / 39% gas
Operating costs for 12 months to July-23	› US\$5.7/boe (gross) / US\$7.1/boe (NRI)
Nameplate capacity of Floating Production System (FPS)	• 40,000 bbl oil + 150 MMscf/d gas
2P Reserves²	› 129 MMboe (gross) / 39 MMboe (NWI) / 31 MMboe (NRI)
2C Resources²	› 17 MMboe (gross) / 7 MMboe (NWI) / 5 MMboe (NRI)
2U Resources^{2,7}	› 143 MMboe (gross) / 50 MMboe (NWI) / 40 MMboe (NRI)

Proforma Net Working Interests^{3,4,5}

Assets	Producing			Exploration		
	Who Dat	Dome Patrol	Abilene	Who Dat South	Who Dat West	Who Dat East
	30%	30%	~16%	30%	35%	40%
	45%	45%	~21%	70%	65%	60%
	25%	25%	~12%	-	-	-
CNOOC ⁶	-	-	50%	-	-	-



Scale is approximate

1. Conversion of gas based on 6 mcf gas = 1 boe.
2. Reserves and Resources as at 1 August 2023. Refer to Appendix A, "Acquisition of Interest in GoM - Investor Presentation" dated 16/11/23 for detailed breakdown of Reserves and Resources.
3. Interests will be validated after signing the PSA by way of a customary title review and defect process as set out in the PSA.
4. Refer to Appendix A, "Acquisition of Interest in GoM - Investor Presentation" dated 16/11/23 for detailed breakdown of well area by block/lease.
5. Working interest table as at 16 November 2023.
6. China National Offshore Oil Corporation (CNOOC).
7. Excludes Who Dat East Deep Prospect.

Summary

Focus on creating long term shareholder value

- › First priority of safe, reliable and sustainable operations
- › Year on year production increases materially with addition of GoM assets. Production guidance for CY24 of 11.2 – 13.5 MMboe¹
- › Strong balance sheet post GoM purchase. Net debt at 31 December 2023 following acquisition was US\$103.7 million
- › Encouraging results from Neon control well program and resource reassessment being incorporated into technical and commercial studies, targeting decision on entering Concept Select in early CY24
- › Cash flows from two high quality assets in prolific hydrocarbon basins should provide balance sheet flexibility for ongoing organic growth, acquisitions and returns to shareholders

1. Refer ASX release dated 29.1.24 "December 2023 Quarterly Activities Report". GoM production on a Net Revenue Interest basis.

