

Subject	Notice of Scheme Meeting and Scheme Boo	oklet	
From	Helen Hardy	Pages	431
Company	ASX Limited	Date	19 October 2023
То	Company Announcements Office	Facsimile	1300 135 638

Please find attached a release on the above subject.

Authorised for lodgement by:

flop

Helen Hardy Company Secretary 02 8345 5000



ASX/Media Release

19 October 2023

Court approves distribution of Scheme Booklet and convening of Scheme Meeting

Scheme Booklet registered with ASIC

Origin Energy Limited (Origin) provides the following update on the proposed acquisition of Origin involving a Brookfield-led consortium of investors, and EIG.

First court hearing

The Supreme Court of New South Wales has made orders:

- that Origin convene a meeting of Origin shareholders to consider and vote on the proposed Scheme to effect the acquisition of all of the shares in Origin (Scheme Meeting); and
- approving the dispatch to Origin shareholders of an explanatory statement providing information about the Scheme and the notice of Scheme Meeting (Scheme Booklet).

Scheme Booklet and Independent Expert's Report

Origin confirms that the Scheme Booklet has now been registered with the Australian Securities and Investments Commission. A copy of the Scheme Booklet is attached and will also be available at www.originenergy.com.au/scheme2023.

The Scheme Booklet provides Origin shareholders with important information about the Scheme. Origin shareholders are advised to carefully read the Scheme Booklet in its entirety, including the Independent Expert's Report, before deciding how to vote on the Scheme.

Further details will be sent to Origin shareholders shortly as follows:

- Origin shareholders who have previously elected to receive communications electronically will receive an email to their nominated email address that will contain instructions about how to view or download a copy of the Scheme Booklet and submit a proxy vote online.
- Origin shareholders who have elected to receive a full copy of communications will receive (by post to their registered address) a printed copy of the Scheme Booklet and a personalised proxy form.
- Origin shareholders who have not made such an election will receive a letter (sent by post to their registered address) enclosing a personalised proxy form and containing details of where they can view and download a copy of the Scheme Booklet.

 Origin shareholders who wish to receive a printed copy of the Scheme Booklet may request one by calling the Origin Shareholder Information Line on 1300 540 303 (within Australia) or +61 2 9066 4083 (outside Australia), Monday to Friday between 8.30am and 5.30pm (Sydney time).

Independent Expert's Report

The Independent Expert's Report contained in the Scheme Booklet was prepared by Grant Samuel (Independent Expert). The Independent Expert has concluded that the Scheme is fair and reasonable and is therefore in the best interests of Origin shareholders, in the absence of a superior proposal.

The Independent Expert's conclusion should be read in the context of the full Independent Expert's Report and the Scheme Booklet.

Recommendation of the Origin Board

The Origin Board unanimously recommends that shareholders vote in favour of the Scheme at the Scheme Meeting, in the absence of a superior proposal and subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of Origin shareholders. Subject to the same qualification, each member of the Origin Board intends to vote, or cause to be voted, any Origin shares held or controlled by them, in favour of the Scheme.

Scheme consideration and special dividend

The total cash payment to shareholders under the Scheme is approximately \$8.81 per share as described in further detail in the Scheme Booklet. This figure represents the approximate cash amount Origin shareholders will be paid if the Scheme is implemented in accordance with the timetable set out in the Scheme Booklet, and may increase or decrease based on the USD/AUD rate at the time of conversion.

The total cash payment of approximately \$8.81 per share comprises¹:

- AUD scheme consideration of \$6.25 per Origin share held on the scheme record date (less the special dividend of 39 cents if determined and paid by Origin before the Scheme is implemented);
- USD scheme consideration of US\$1.64 per Origin share held on the scheme record date, which will be converted to Australian dollars and paid in Australian dollars (unless a valid Currency Election is made to receive US dollars), with a current Australian dollar implied value of \$2.56 based on the USD/AUD exchange rate of 0.64 as at the last practicable date²; and
- a fully franked special dividend of 39 cents per Origin share (special dividend) held on the special dividend record date, which the Origin Board intends to pay subject to certain conditions being met.

¹ This implied amount assumes an implementation date of 18 December 2023 and is based on the spot USD/AUD exchange rate of 0.64 as at the last practicable date of 10 October 2023. Refer to the Scheme Booklet for further detail. Capitalised terms used but not defined have the meaning given to them in the Scheme Booklet.

² The Australian dollar value of the USD scheme consideration may increase or decrease based on the USD/AUD exchange rate at the time of conversion.

The Origin Directors will determine, in their absolute discretion, whether or not to pay any special dividend. If a special dividend is paid, it will be deducted from the AUD scheme consideration. As such, regardless of whether the special dividend is paid, Origin shareholders will still receive the same total cash payment of approximately \$8.81 per Origin share.

For those Origin shareholders who can realise the benefit of franking credits, the franking credit attached to a special dividend of 39 cents per share is approximately 16.7 cents per share.

Scheme Meeting

The Scheme Meeting will be held at 2.00pm (Sydney time) on 23 November 2023, at the Swissôtel Sydney, 68 Market Street Sydney, NSW and will also be broadcast online. Origin shareholders (or their proxies, attorneys or corporate representatives) will be able to attend and vote at the Scheme Meeting in person.

Origin shareholders who are unable to attend in person can view the Scheme Meeting via live webcast at www.originenergy.com.au/scheme2023. Origin shareholders who participate in the Scheme Meeting via the online platform will not be able to vote at the meeting, ask questions or make comments.

All registered Origin shareholders as at 7.00pm (Sydney time) on 21 November 2023 will be eligible to vote at the Scheme Meeting.

Origin shareholders are encouraged to vote either by completing and returning the proxy form or alternatively by attending the Scheme Meeting in person, or by proxy, attorney or corporate representative.

Key Dates

Event	Time and date
First Court Date	18 October 2023
Date of the Scheme Booklet	18 October 2023
Special dividend announcement date Origin will announce via ASX whether a special dividend will be paid	Before the Scheme Meeting
Latest time and date for receipt of proxy forms or powers of attorney by the Origin share registry for the Scheme Meeting	2.00pm, 21 November 2023
Time and date for determining eligibility to vote at the Scheme Meeting	7.00pm, 21 November 2023
Scheme Meeting	2.00pm, 23 November 2023
If the Scheme is approved by Origin shareholders	
Court hearing to approve the Scheme (Second Court Date)	27 November 2023

Effective Date Court order lodged with ASIC and announcement to ASX Last day of trading in Origin shares – Origin shares will be suspended from trading on ASX from close of trading	28 November 2023
Special dividend record date (for determining entitlements to the special dividend if the Origin Directors decide to pay a special dividend)	7.00pm, 30 November 2023
Election time (time by which an election form must be received by the Origin share registry for a valid currency election)	7.00pm, 4 December 2023
Special dividend payment date (if the Origin Directors decide to pay a special dividend)	8 December 2023
Scheme record date (for determining entitlements to the Scheme Consideration)	7.00pm, 11 December 2023
Implementation date Provision of scheme consideration	18 December 2023

All times and dates in the above timetable are references to the time and date in Sydney, Australia and all such times and dates are subject to change. Certain times and dates are conditional on the approval of the Scheme by Origin shareholders and by the Court. Any changes will be announced by Origin to the ASX.

Further information

If shareholders have any questions in relation to the Scheme or the Scheme Booklet, please contact the Origin Shareholder Information Line on 1300 540 303 (within Australia) or +61 2 9066 4083 (outside Australia), Monday to Friday between 8.30am and 5.30pm (Sydney time).

Contact details:

Media Anneliis Allen Ph: +61 2 8345 5119 Mobile: +61 428 967 166 Investors Lindsay Donnelly Ph: +61 2 8345 5502 Mobile: +61 414 697 070

Scheme Booklet

For a scheme of arrangement between Origin Energy Limited ABN 30 000 051 696 and its shareholders in relation to the proposed acquisition by MidOcean Reef Bidco Pty Ltd ABN 22 665 950 318.



Vote in favour

Your Directors unanimously recommend that you vote in favour of the Scheme, in the absence of a Superior Proposal and subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of Origin Shareholders.

The Independent Expert has concluded that the Scheme is fair and reasonable and therefore is in the best interests of Origin Shareholders, in the absence of a Superior Proposal.



You should read it entirely before deciding whether or not to vote in favour of the Scheme.

If you are in any doubt about how to deal with this document, you should contact your broker or financial, taxation, legal or other professional adviser immediately.

If, after reading this Scheme Booklet, you have any questions in relation to this Scheme Booklet or the Scheme, please contact the Origin Shareholder Information Line on 1300 540 303 (within Australia) or +61 2 9066 4083 (outside Australia) between 8.30am and 5.30pm (Sydney time), Monday to Friday (excluding public holidays).

This Scheme Booklet has been sent to you because you are shown in the Origin Share Register as holding Origin Shares. If you have recently sold all your Origin Shares, please disregard this Scheme Booklet.

Financial Advisers Barrenjoey[°] ※ JARDEN

Legal Adviser



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General

This Scheme Booklet is important and requires your immediate attention. You should read this Scheme Booklet in full before making any decision as to how to vote at the Scheme Meeting.

Nature of this Scheme Booklet

This Scheme Booklet includes the explanatory statement for the Scheme required by subsection 412(1) of the Corporations Act.

This Scheme Booklet does not constitute or contain an offer to Origin Shareholders, or a solicitation of an offer from Origin Shareholders, in any jurisdiction. This Scheme Booklet is not a disclosure document required by Chapter 6D of the Corporations Act. Subsection 708(17) of the Corporations Act provides that Chapter 6D of the Corporations Act does not apply in relation to arrangements under Part 5.1 of the Corporations Act approved at a meeting held as a result of an order under subsection 411(1). Instead, Origin Shareholders asked to vote on an arrangement at such a meeting must be provided with an explanatory statement as referred to above.

ASIC and ASX

A copy of this Scheme Booklet has been registered by ASIC for the purposes of subsection 412(6) of the Corporations Act. ASIC has been given the opportunity to comment on this Scheme Booklet in accordance with subsection 411(2) of the Corporations Act. Neither ASIC, nor any of its officers, takes any responsibility for the contents of this Scheme Booklet. ASIC has been requested to provide a statement, in accordance with paragraph 411(17)(b) of the Corporations Act, that it has no objection to the Scheme. If ASIC provides that statement, it will be produced to the Court at the time of the Court hearings to approve the Scheme.

A copy of this Scheme Booklet has been provided to the ASX. Neither the ASX, nor any of its officers, takes any responsibility for the contents of this Scheme Booklet.

Defined terms

Capitalised terms used in this Scheme Booklet are defined in section 10, which also sets out some rules of interpretation which apply to this Scheme Booklet. Some of the documents reproduced in the annexures to this Scheme Booklet have their own defined terms, which are sometimes different to those set out in section 10.

Important notice associated with Court order under subsection 411(1) of the Corporations Act

The fact that, under subsection 411(1) of the Corporations Act, the Court has ordered that a meeting be convened and has approved the explanatory statement required to accompany the Notice of Scheme Meeting does not mean that the Court:

- has formed any view as to the merits of the proposed Scheme or as to how Origin Shareholders should vote (on this matter Origin Shareholders must reach their own conclusion); or
- has prepared, or is responsible for the content of, the explanatory statement.

Notice of Scheme Meeting

The Notice of Scheme Meeting is set out in Annexure 4.

Notice of Second Court Hearing

At the Second Court Hearing, the Court will consider whether to approve the Scheme following the vote at the Scheme Meeting. Any Origin Shareholder may appear at the Second Court Hearing, currently expected to be held at 2.00pm (Sydney time) on 27 November 2023 at the Supreme Court of New South Wales, Law Courts Building, 184 Phillip Street, Sydney, NSW 2000. Any Origin Shareholder who wishes to oppose approval of the Scheme at the Second Court Hearing may do so by filing with the Court and serving on Origin a notice of appearance in the prescribed form together with any affidavit that the Origin Shareholder proposes to rely on.

No investment advice

This Scheme Booklet has been prepared without reference to the investment objectives, financial and taxation situation or particular needs of any Origin Shareholder or any other person. The information and recommendations contained in this Scheme Booklet do not constitute, and should not be taken as, financial product advice. You are encouraged to seek independent financial and taxation advice before making any investment decision and any decision as to whether or not to vote in favour of the Scheme. This Scheme Booklet should be read in its entirety before making a decision on whether or not to vote in favour of the Scheme. In particular, it is important that you consider the risk factors set out in section 7, and the views of the Independent Expert set out in the Independent Expert's Report contained in Annexure 1. If you are in doubt as to the course you should follow,

you should consult an independent and appropriately licensed and authorised professional adviser immediately.

Forward looking statements

Some of the statements appearing in this Scheme Booklet (including in the Independent Expert's Report) may be in the nature of forward looking statements. Forward looking statements or statements of intent in relation to future events in this Scheme Booklet (including in the Independent Expert's Report) should not be taken to be forecasts or predictions that those events will occur. Forward looking statements generally may be identified by the use of forward looking words such as 'believe', 'aim', 'target', 'expect', 'anticipate', 'intending', 'foreseeing', 'likely', 'should', 'planned', 'may', 'estimate', 'potential', or other similar words. Similarly, statements that describe the objectives, plans, goals, ambitions, intentions or expectations of Origin, Bidder or their related entities are or may be forward looking statements. You should be aware that such statements are only opinions and are subject to inherent risks and uncertainties. Those risks and uncertainties include factors and risks specific to Origin, Bidder or their related entities and/or the industries in which they operate, general economic conditions, prevailing exchange rates and interest rates and conditions in financial markets.

Actual events or results may differ materially from the events or results expressed or implied in any forward looking statement and deviations are both normal and to be expected. None of Origin, Bidder, their respective entities, or their respective officers, directors, employees or advisers or any person named in this Scheme Booklet or any person involved in the preparation of this Scheme Booklet makes any representation or warranty (either express or implied) as to the accuracy or likelihood of fulfilment of any forward looking statement, or any events or results expressed or implied in any forward looking statement. Accordingly, you are cautioned not to place undue reliance on those statements.

Any forward looking statements in this Scheme Booklet reflect views held only at the date of this Scheme Booklet. Subject to any continuing obligations under the Listing Rules or the Corporations Act, Origin and Bidder and their respective officers, directors, employees and advisers, disclaim any obligation or undertaking to distribute after the date of this Scheme Booklet any updates or revisions to any forward looking statements to reflect (a) any change in expectations in relation to such statements; or (b) any change in events, conditions or circumstances on which any such statement is based.

Responsibility statement

Origin has prepared, and is responsible for, the Origin Information. Neither Bidder, Brookfield nor any of their subsidiaries, directors, officers, employees or advisers assume any responsibility for the accuracy or completeness of such information.

Bidder has prepared, and is responsible for, the Bidder Information. Neither Origin nor any of its subsidiaries, directors, officers, employees or advisers assume any responsibility for the accuracy or completeness of such information.

The Independent Expert has prepared the Independent Expert's Report as set out in Annexure 1 and takes responsibility for that report. The Independent Technical Specialist has prepared the Independent Technical Specialist's Report included in the Independent Expert's Report and takes responsibility for that report. None of Origin or Bidder or any of their respective subsidiaries, directors, officers, employees or advisers assume any responsibility for the accuracy or completeness of the information contained in the Independent Expert's Report or the Independent Technical Specialist's Report, except, in the case of Origin, in relation to the information which it has provided to the Independent Expert and Independent Technical Specialist.

Herbert Smith Freehills has prepared, and is responsible for, the Taxation Information. None of Origin or Bidder or any of their respective subsidiaries, directors, officers, employees or advisers assume any responsibility for the accuracy or completeness of the Taxation Information, except, in the case of Origin, in relation to the information which it has provided to Herbert Smith Freehills.

No consenting party has withdrawn their consent to be named before the date of this Scheme Booklet.

Foreign jurisdictions

The release, publication or distribution of this Scheme Booklet in jurisdictions other than Australia may be restricted by law or regulation in such other jurisdictions and persons outside of Australia who come into possession of this Scheme Booklet should seek advice on and observe any such restrictions. Any failure to comply with such restrictions may constitute a violation of applicable laws or regulations.

Important Notices continued

This Scheme Booklet has been prepared in accordance with the laws of Australia and the information contained in this Scheme Booklet may not be the same as that which would have been disclosed if this Scheme Booklet had been prepared in accordance with the laws and regulations of a jurisdiction outside of Australia.

Origin Shareholders who are nominees, trustees or custodians are encouraged to seek independent advice as to how they should proceed.

Financial amounts and effects of rounding

All financial amounts in this Scheme Booklet are expressed in Australian currency unless otherwise stated. A number of figures, amounts, percentages, estimates, calculations of value and fractions in the Scheme Booklet are subject to the effect of rounding. Accordingly, any discrepancies between totals in tables or financial statements, or in calculations, graphs or charts are due to rounding. All financial and operational information set out in this Scheme Booklet is current as at the date of this Scheme Booklet, unless otherwise stated.

Implied Value

The Australian dollar value of the USD Scheme Consideration will vary based on changes in the AUD/USD exchange rate. Any reference to the implied value of the USD Scheme Consideration should not be taken as an indication that the implied value is fixed.

Charts and diagrams

Any diagrams, charts, graphs or tables appearing in this Scheme Booklet are illustrative only and may not be drawn to scale. Unless stated otherwise, all data contained in diagrams, charts, graphs and tables is based on information available as at the Last Practicable Date.

Timetable and dates

All times and dates referred to in this Scheme Booklet are times and dates in Sydney, Australia, unless otherwise indicated. All times and dates relating to the implementation of the Scheme referred to in this Scheme Booklet may change and, among other things, are subject to Origin Shareholder approval and Court approval.

External websites

Unless expressly stated otherwise, the content of the websites of Origin, Brookfield and EIG do not form part of this Scheme Booklet and Origin Shareholders should not rely on any such content.

Privacy

Origin may collect personal information in the process of implementing the Scheme. The type of information that it may collect about you includes your name, contact details and information on your shareholding in Origin and the names of persons appointed by you to act as a proxy, attorney or corporate representative at the Scheme Meeting as relevant to you. The collection of some of this information is required or authorised by the Corporations Act. The primary purpose of the collection of personal information is to assist Origin to conduct the Scheme Meeting and implement the Scheme. Without this information, Origin may be hindered in its ability to issue this Scheme Booklet and implement the Scheme. Personal information of the type described above may be disclosed to the Origin Share Registry, third party service providers (including print and mail service providers and parties otherwise involved in the conduct of the Scheme Meeting), authorised securities brokers, professional advisers, related bodies corporate of Origin, Government Agencies, and also where disclosure is otherwise required or allowed by law. Origin Shareholders who are individuals and the other individuals in respect of whom personal information is collected as outlined above have certain rights to access the personal information collected in relation to them. If you would like to obtain details of the information about you held by the Origin Share Registry in connection with Origin Shares, please contact the Origin Share Registry. Origin Shareholders who appoint an individual as their proxy, corporate representative or attorney to vote at the Scheme Meeting should ensure that they inform such an individual of the matters outlined above. Further information about how Origin collects, uses and discloses personal information is contained in Origin's Privacy Policy located at https://www.originenergy.com.au/privacy/privacypolicy/.

Date of Scheme Booklet

This Scheme Booklet is dated 18 October 2023.

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Letter from the Chair of the Origin Board

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Dear Origin shareholder,

On behalf of the Origin Board, I am pleased to present you with this Scheme Booklet. It contains information for you to consider before voting your shares in relation to the proposed acquisition (**Scheme**) of all the issued shares in your company, Origin Energy Limited (**Origin**), involving a Brookfield-led consortium of investors, the BGTF Consortium, and EIG.

The Scheme is proposed under a Scheme Implementation Deed entered into in March 2023 on customary terms. Under that deed, the BGTF Consortium and EIG propose the Scheme and Origin commit to put it to Origin shareholders, and for the Origin Board to recommend the Scheme subject to the Independent Expert concluding it to be in the best interests of Origin shareholders and in the absence of a Superior Proposal.

Under the Scheme, Origin shareholders will receive a total cash payment of approximately \$8.81 per share. The composition of this payment, and potential variances in this amount between now and the time of implementation of the Scheme, are outlined in more detail below.

The Independent Expert, Grant Samuel, has valued Origin in the range of \$8.45 to \$9.48 per share as at 30 June 2023 and concluded that the Scheme is fair and reasonable and therefore is in the best interests of Origin shareholders, in the absence of a Superior Proposal. The Independent Expert has also noted that while a valuation as at the implementation date of 18 December 2023 cannot be reliably determined in advance, a 'roll forward' of the valuation to that date assuming a return on equity of, say, 10 per cent could theoretically increase Origin's value by approximately 40 cents per share (to the low end of the valuation range), and a 6 per cent rate in line with the ticking fee' would add approximately 24 cents, assuming the business achieves its FY2024 budget, pays no dividends and there is no change to long-term cash flows or economic conditions.

We note that, following receipt of ACCC authorisation on 10 October 2023, the Origin share price closed trading at \$9.21 per Origin share, which is 40 cents per share above the total cash payment shareholders would receive under the Scheme, and, as at the date of publication of this Scheme Booklet, Origin's share price has continued to trade above the total cash payment. Ultimately, the Scheme requires shareholder approval to proceed and the Origin Board will continue to work to facilitate that. Origin Shareholders should however note that the trading price of Origin Shares is impacted by the proposed Scheme and that the Origin Share price may not necessarily trade at these levels in the absence of the proposed Scheme. If the Scheme does not proceed, the Origin share price may fall.

You will have an opportunity to vote at the Scheme Meeting. The Scheme can only be implemented if approved by the Requisite Majorities of Origin shareholders.

Your Board unanimously recommends that Origin shareholders vote in favour of the Scheme, in the absence of a Superior Proposal, and subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of Origin shareholders.²

Your vote is important. Please read this Scheme Booklet carefully.

Background to the Consortium's proposal

In August 2022, Origin was approached by Brookfield Asset Management Inc. (together with its affiliates and their managed funds) and EIG (**Consortium**) with a confidential non-binding indicative proposal to acquire all of Origin's issued shares at a price of \$7.95 per share. The Origin Board rejected this, and a

Additional Consideration for the ticking fee of approximately 4.5 cents per month, accruing on a daily basis from 1 December 2023.
 Origin Shareholders should, in considering this recommendation, note that (as detailed in section 9.2 of this Scheme Booklet),

if the Scheme becomes Effective, the following will occur in relation to the equity incentives and deferred cash awards held by Frank Calabria (Managing Director and Chief Executive Officer): full vesting and exercise of 992,212 unvested share rights, lifting of restrictions on 472,417 restricted Origin Shares and waiving of the deferral period for \$1,229,499 deferred cash. Despite this interest in the outcome of the Scheme, Mr Calabria considers that, given the importance of the Scheme and his role as Managing Director and Chief Executive Officer) in the optical executive Officer, it is important and appropriate for him to provide a recommendation to Origin Shareholders in relation to the Scheme. Additionally, the Origin Board (excluding Mr Calabria) also considers that it is appropriate for Mr Calabria to make a recommendation on the Scheme given his role.

subsequent proposal, before deciding to engage with the Consortium and provide access to due diligence following a further indicative proposal from the Consortium of \$9.00 per share.

Following a three-month period of due diligence, Origin and the Consortium (through the Bidder, MidOcean Reef Bidco Pty Ltd, and Brookfield Renewable Group Australia Pty Ltd) entered into the Scheme Implementation Deed, as announced on 27 March 2023, with an implied consideration of \$8.91³ per Origin share, consisting of Australian dollar consideration of \$5.78 per share and US dollar consideration of US\$2.19 per share. The Consortium has noted that the inclusion of the US dollar consideration reflects the underlying exposure of Origin's Integrated Gas assets, and specifically cash distributions from its 27.5 per cent interest in Australia Pacific LNG.

Following adjustments to the mix of Australian dollar and US dollar consideration in accordance with the Scheme Implementation Deed and accounting for changes to the AUD/USD exchange rate since that time,⁴ the current implied consideration on a like-forlike basis with the implied consideration in March 2023 is approximately \$9.15 per share (Implied Scheme Consideration at March 2023).

Deducting the total of 36.5 cents per share of ordinary dividends paid to shareholders in March and September 2023, as required under the Scheme, and adding 2.7 cents per share for an agreed ticking fee **results in a total cash payment to shareholders of approximately \$8.81 per share** as described further below and in section 4.2⁵. This figure represents the approximate cash amount you will be paid if the Scheme is implemented in accordance with the timetable set out in this Scheme booklet and may increase or decrease based on the AUD/USD rate at the time of conversion.

Scheme consideration

The total cash payment of approximately \$8.81 per share comprises: $^{\rm 6}$

- AUD Scheme Consideration of \$6.25⁷ per Origin share you hold on the Scheme Record Date (less the Special Dividend of 39 cents if determined and paid by Origin before the Scheme is implemented);
- USD Scheme Consideration of US\$1.64 per Origin share you hold on the Scheme Record Date, which will be converted to Australian dollars and paid to you in Australian dollars (unless you make a valid Currency Election to receive US dollars), with a current Australian dollar implied value of \$2.56 based on the AUD/USD exchange rate of 0.64 as at 10 October 2023. The Australian dollar value of the USD Scheme Consideration may increase or decrease based on the AUD/USD exchange rate at the time of conversion; and
- a fully franked special dividend of 39 cents per Origin share (**Special Dividend**) you hold on the Special Dividend Record Date, which the Origin Board intends to pay subject to certain conditions being met.

The Origin Directors will determine, in their absolute discretion, whether or not to pay any Special Dividend. If a Special Dividend is paid, it will be deducted from the AUD Scheme Consideration. As such, regardless of whether the Special Dividend is paid, you will still receive the same total cash payment of approximately \$8.81 per Origin Share.

For those Origin shareholders who can realise the benefit of franking credits, the franking credit attached to a Special Dividend of 39 cents per share is approximately 16.7 cents per share⁸.

Further detailed information on the Scheme Consideration is contained in section 4.2 of this Scheme Booklet.

- adjusting the AUD/USD consideration mix as a certain amount of USD consideration has been converted to AUD since the Scheme announcement;
- deducting the ordinary dividends totalling 36.5 cents per share paid to shareholders in calendar year 2023 prior to the date of this Scheme Booklet; and
- adding the ticking fee of 2.7 cents per share (assuming an Implementation Date of 18 December 2023).
- 8. When assessing the benefit of franking credits attached to any Special Dividend, Origin Shareholders should also seek independent professional taxation advice on this matter in respect of their individual circumstances. Refer to section 8 of this Scheme Booklet for further information.

^{3.} Based on the conversion of US\$2.19 per share assuming an AUD/USD exchange rate of 0.70. As outlined in the ASX announcement on 27 March 2023, this is equivalent to \$9.077 at the AUD/USD spot exchange rate of 0.665 at 5.00pm on 24 March 2023.

^{4.} From a rate of 0.665 at the signing of the Scheme Implementation Deed to a spot AUD/USD exchange rate of 0.64 as at 5.00pm on 10 October 2023.

^{5.} Assuming an Implementation Date of 18 December and based on the spot AUD/USD foreign exchange rate of 0.64 as at 5.00pm on 10 October 2023.

^{6.} This amount assumes an Implementation Date of 18 December 2023. The amount of the total cash payment and the USD Scheme Consideration is an implied value, based on the spot AUD/USD exchange rate of 0.64 as at 5.00pm on 10 October 2023. Refer to section 4.2(e)(1) for further detail regarding the impact of the AUD/USD exchange rate and the process for conversion of the USD Scheme Consideration to Australian dollars under the Scheme.

^{7.} In accordance with the Scheme Implementation Deed, the AUD Scheme Consideration has been adjusted from \$5.78 per share as announced on 27 March 2023, to \$6.25 as a result of:

Letter from the Chair of the Origin Board continued

Origin Directors' recommendation

In deciding whether to enter into the Scheme Implementation Deed in March 2023, both the Consortium and the Origin Board had visibility of various factors shaping the outlook for the business. This included the anticipated recovery of Energy Markets earnings, draft tariff arrangements for the FY2024 default market offer for retail electricity prices, the coal price cap implemented by the New South Wales Government, and the continued success of Octopus Energy, including its acquisition of the Bulb retail energy business in the UK, and Octopus Energy's rapid growth in its retail and Kraken licensing businesses.

Over recent years, Origin's business has faced significant external challenges including a global pandemic and the war in Ukraine which created almost unprecedented volatility across global commodity markets. In addition, there have been ongoing changes in the regulatory framework and weather events affecting the business.

Despite these challenges, we believe Origin is well positioned to execute on its strategy of providing unrivalled customer solutions, accelerating renewable and cleaner energy, supporting the ongoing growth of Octopus Energy and delivering reliable energy through the transition.

Execution of Origin's strategy will involve significant capital commitments to accelerate the development of renewables and energy storage assets in its energy supply portfolio, and there remains continuing regulatory and market uncertainty, particularly as the economy rapidly decarbonises.

It was against this context that the Origin Board carefully considered its recommendation at the time of entering into the Scheme Implementation Deed, including assessing the advantages and disadvantages of the proposed transaction against the opportunities and risks to Origin's business into the future.

In summary, the key reasons for the Origin Board's recommendation in favour of the Scheme, in the absence of a Superior Proposal and subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of Origin shareholders, are as follows:

• The Independent Expert has concluded that the Scheme is fair and reasonable and therefore is in the best interests of Origin's Shareholders, in the absence of a Superior Proposal.

 The Implied Scheme Consideration at March 2023 of \$9.15 per Origin share⁹ represents a significant premium of 57.5 per cent relative to Origin's last closing share price of \$5.81 per share on 9 November 2022, and 63.3 per cent relative to Origin's one month VWAP of \$5.60 per share on 9 November 2022, being the last trading day prior to Origin announcing the Consortium's indicative proposal.

We note the significant passage of time and change in market circumstances since 9 November 2022, meaning the share price on that date may no longer be representative of where Origin shares may trade today if the Scheme does not proceed. The above premia reflected the attractiveness of the Scheme Consideration compared to the price of Origin shares in the period prior to first announcing the proposed transaction with the Consortium.

As noted above, as at the date of this Scheme Booklet, following receipt of ACCC authorisation on 10 October 2023, the Origin share price has continued to trade above the total cash payment payable under the Scheme. The Origin share price at the Last Practicable Date of 10 October 2023 was \$9.21, and as such the total cash payment of \$8.81 is a discount of 4.3% to the Origin share price. It is not possible to predict what Origin's share price would be now if the Scheme had not been proposed or what the premia would be (if any). Origin Shareholders should however note that the trading price of Origin Shares is impacted by the proposed Scheme and that the Origin Share price may not necessarily trade at these levels in the absence of the proposed Scheme.

- If the Special Dividend is paid, eligible shareholders may be able to realise the benefit of franking credits attached to the Special Dividend.
- The Scheme Consideration is 100 per cent cash, providing Origin shareholders with the ability to accept cash for their Origin shares now for the Scheme Consideration, rather than be exposed to continuing and future risks and uncertainties associated with Origin's business.
- No Superior Proposal has emerged since the announcement of the first proposal from the Consortium on 10 November 2022, and the Origin Board is not aware, as at the date of this Scheme Booklet, of any Superior Proposal that is likely to emerge.

^{9.} This figure is based on the implied consideration of \$8.91 per Origin share announced by Origin on 27 March 2023 following execution of the Scheme Implementation Deed, adjusted to reflect current mix of Australian dollar and US dollar consideration, and the current spot AUD/USD exchange rate of 0.64 as at 5.00pm on 10 October 2023.

In recommending the Scheme, the Board has also considered reasons why an Origin shareholder may wish to vote against it, including that you may:

- disagree with the Origin Board's unanimous recommendation, which in accordance with the Scheme Implementation Deed is subject to there being no Superior Proposal and to the Independent Expert's conclusion that the Scheme is in the best interests of Origin shareholders.
- disagree with the Independent Expert's conclusions. The Independent Expert's conclusion as to whether the Scheme is in the best interests of Origin shareholders depends on whether, not where, the Scheme falls in the Independent Expert's valuation range. You may have formed your own view of the value of Origin shares (which may be outside the Independent Expert's valuation range or positioned higher within the range).
- prefer to have the opportunity to participate in Origin's business into the future, including its continuing investments in the energy transition, Octopus Energy and any other potential future value creation.
- believe that the share price will not fall materially if the Scheme is unsuccessful.
- believe there is potential for a Superior Proposal to emerge in the future.
- consider that the tax consequences of the Scheme are not beneficial for you.

The Origin Board unanimously recommends that you **vote in favour** of the Scheme, in the absence of a Superior Proposal and subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of Origin shareholders. Subject to the same conditions, each Origin Director intends to vote all their Origin shares in favour of the Scheme.¹⁰

Further details on the recommendation given by the Origin Board are contained in section 1 of this Booklet.

Independent Expert's opinion

The Origin Directors appointed Grant Samuel as the Independent Expert to assess the merits of the Scheme. The Independent Technical Specialist, Gaffney, Cline & Associates, was appointed to prepare the Independent Technical Specialist's Report. The Independent Expert has concluded that the scheme is fair and reasonable and therefore is in the best interests of Origin shareholders, in the absence of a Superior Proposal.

The Independent Expert has assessed the full underlying value of Origin shares as at 30 June 2023 at between \$8.45 and \$9.48 per share. The total cash payment of approximately \$8.81 is within this range.

The Independent Expert has also noted that while a valuation as at the implementation date of 18 December 2023 cannot be reliably determined in advance, a 'roll forward' of the valuation to that date assuming a return on equity of, say, 10 per cent could theoretically increase Origin's value by approximately 40 cents per share (to the low end of the valuation range), and a 6 per cent rate in line with the ticking fee¹¹ would add approximately 24 cents, assuming the business achieves its FY2024 budget, pays no dividends and there is no change to long-term cash flows or economic conditions.

A copy of the Independent Expert's Report (which includes the Independent Technical Specialist's Report) is included in Annexure 1.

What should you do?

The Scheme can only be implemented if approved by the Requisite Majorities of Origin shareholders at the Scheme Meeting, which is scheduled for 2.00pm on 23 November 2023 at the Swissôtel Sydney, 68 Market Street, Sydney, NSW.

Your vote is important and I encourage you to vote by attending the Scheme Meeting or by completing the proxy form accompanying this Scheme Booklet.

If you wish the Scheme to proceed, it is important that you vote in favour of the Scheme so that it is approved.

Further information

You should carefully read this Scheme Booklet in its entirety before making any decision in relation to the Scheme.

If you have any questions, please contact the Origin Shareholder Information Line on 1300 540 303 (within Australia) or +61 2 9066 4083 (outside Australia), between 8.30am and 5.30pm (Sydney time), Monday to Friday (excluding public holidays).

If you are in any doubt as to what you should do, please consult your legal, financial, tax or other professional adviser without delay.

On behalf of the Origin Board, I would like to take this opportunity to thank you for your continued support of Origin.

Yours sincerely,

Scott Perkins Chair

11. Additional Consideration for the ticking fee of approximately 4.5 cents per month, accruing on a daily basis from 1 December 2023.

^{10.} Origin Shareholders should, in considering this recommendation, note that (as detailed in section 9.2 of this Scheme Booklet), if the Scheme becomes Effective, the following will occur in relation to the equity incentives and deferred cash awards held by Frank Calabria (Managing Director and Chief Executive Officer): full vesting and exercise of 992,212 unvested share rights, lifting of restrictions on 472,417 restricted Origin Shares and waiving of the deferral period for \$1,229,499 deferred cash.

• Key Dates

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Event	Time and Date
First Court Date	18 October 2023
Date of this Scheme Booklet	18 October 2023
Special Dividend announcement date Origin will announce whether a Special Dividend will be paid	Before the Scheme meeting
Latest time and date for receipt of proxy forms or powers of attorney by the Origin Share Registry for the Scheme Meeting	2.00pm, 21 November 2023
Time and date for determining eligibility to vote at the Scheme Meeting	7.00pm, 21 November 2023
Scheme Meeting	2.00pm, 23 November 2023

If the Scheme is approved by Origin Shareholders

Court hearing to approve the Scheme (Second Court Date)	27 November 2023
Effective Date	28 November 2023
Court order lodged with ASIC and announcement to ASX	
Last day of trading in Origin Shares - Origin Shares will be suspended from trading on ASX from close of trading	
Special Dividend Record Date (for determining entitlements to the Special Dividend if the Origin Directors decide to pay a Special Dividend)	7.00pm, 30 November 2023
Election Time (time by which Election Form must be received by the Origin Share Registry for a valid Currency Election)	7.00pm, 4 December 2023
Special Dividend Payment Date (if the Origin Directors decide to pay a Special Dividend)	8 December 2023
Scheme Record Date (for determining entitlements to the Scheme Consideration)	7.00pm, 11 December 2023
Implementation Date Provision of Scheme Consideration	18 December 2023

All times and dates in the above timetable are references to the time and date in Sydney, Australia and all such times and dates are subject to change. Certain times and dates are conditional on the approval of the Scheme by Origin Shareholders and by the Court. Any changes will be announced by Origin to the ASX.

1. Key considerations relevant to your vote

Section 1.1 provides a summary of some of the reasons why the Origin Board unanimously recommends that Origin Shareholders vote in favour of the Scheme, in the absence of a Superior Proposal and subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of Origin Shareholders, alongside reasons why you may consider voting against the Scheme. The reasons you might vote for the Scheme outlined in section 1.2 should be read in conjunction with section 1.3, which sets out reasons why you may wish to vote against the Scheme.

The Scheme has a number of advantages and disadvantages, which may affect Origin Shareholders in different ways, depending on their individual circumstances. Origin Shareholders should seek professional advice on their particular circumstances, as appropriate.

You should read the Scheme Booklet in full, including the Independent Expert's Report, before deciding how to vote at the Scheme Meeting.

1.1 Summary of reasons why you might vote for or against the Scheme

Why you should vote in favour of the Scheme

Your Origin Directors unanimously recommend that you vote in favour of the Scheme Resolution subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of the Origin Shareholders and there being no Superior Proposal

The Independent Expert has concluded that the Scheme is fair and reasonable and therefore is in the best interests of Origin Shareholders, in the absence of a Superior Proposal. The Total Cash Payment of approximately \$8.81 per Origin Share falls within the Independent Expert's assessed underlying value of an Origin Share of between \$8.45 and \$9.48

The Implied Scheme Consideration at March 2023 represents a significant premium to Origin's trading prices prior to the initial announcement of the Consortium's proposal

If the Special Dividend is paid, you may be able to realise the benefit of the franking credits attached to the Special Dividend

The Scheme Consideration is 100 per cent cash, providing Origin Shareholders with the ability to accept cash for their Origin Shares now for the Scheme Consideration, rather than be exposed to continuing and future risks and uncertainties associated with Origin's business

Since the announcement of the indicative, conditional and non-binding proposal from the Consortium on 10 November 2022, no Superior Proposal has emerged, and the Origin Board is not aware, as at the date of this Scheme Booklet, of any Superior Proposal that is likely to emerge

The Origin share price may fall if the Scheme does not proceed and in the absence of a Superior Proposal

Brokerage charges will not apply to the transfer of your Origin Shares under the Scheme

 Origin Shareholders should, in considering this recommendation, note that (as detailed in section 9.2 of this Scheme Booklet), if the Scheme becomes Effective, the following will occur in relation to the equity incentives and deferred cash awards held by Frank Calabria (Managing Director and Chief Executive Officer): full vesting and exercise of 992,212 unvested share rights, lifting of restrictions on 472,417 restricted Origin Shares and waiving of the deferral period for \$1,229,499 deferred cash.

Why you may consider voting against the Scheme

You may disagree with the Origin Directors' unanimous recommendation, which in accordance with the Scheme Implementation Deed is subject to there being no Superior Proposal and to the Independent Expert's conclusion that the Scheme is in the best interests of Origin Shareholders
 You may disagree with the Independent Expert's conclusion or formed your own view on the value of Origin Shares which may be outside the Independent Expert's valuation range (or positioned higher within the range)
 You may prefer to have the opportunity to participate in Origin's business into the future, including its continuing investment in the energy transition and any potential future value creation associated with being an Origin Shareholder
 You may believe it is in your best interests to maintain your current investment and risk profile
 You may believe that there is potential for a Superior Proposal to emerge in the future

 $oldsymbol{X}$ You may consider that the tax consequences of the Scheme are not beneficial for you

1. Key considerations relevant to your vote continued

1.2 Reasons to vote in favour of the Scheme

a) Your Origin Directors unanimously recommend that you vote in favour of the Scheme Resolution subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of the Origin Shareholders and there being no Superior Proposal

Your Origin Directors unanimously recommend that you vote in favour of the Scheme Resolution at the Scheme Meeting, subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of Origin Shareholders and there being no Superior Proposal. In reaching this recommendation, your Origin Directors have assessed the Scheme having regard to the reasons to vote in favour of, or against, the Scheme, as set out in this Scheme Booklet.²

Subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of Origin Shareholders and there being no Superior Proposal, each of the Origin Directors intends to vote or cause to be voted all Origin Shares in which they have a Relevant Interest in favour of the Scheme Resolution. The interests of Origin Directors are set out in section 9.1.

b) The Independent Expert has concluded that the Scheme is fair and reasonable and therefore is in the best interests of Origin Shareholders, in the absence of a Superior Proposal. The Total Cash Payment of approximately \$8.81 per Origin Share falls within the Independent Expert's assessed underlying value of an Origin Share of between \$8.45 and \$9.48

Origin appointed Grant Samuel as the Independent Expert to prepare an Independent Expert's Report setting out its opinion as to whether the Scheme is in the best interests of Origin Shareholders.

The Independent Expert has concluded that the Scheme is fair and reasonable and therefore is in the best interests of Origin Shareholders, in the absence of a Superior Proposal.

The Independent Expert has assessed the full underlying value of an Origin Share to be between \$8.45 and \$9.48. The Total Cash Payment of approximately \$8.81 per share is within this range.

Further details on how the Independent Expert arrived at this valuation range and why it reached these conclusions are set out in the Independent Expert's Report (including the Independent Technical Specialist's Report), a copy of which is included in Annexure 1. The Origin Directors encourage you to read this report in its entirety.

c) The Implied Scheme Consideration at March 2023³ represents a significant premium to Origin's trading prices prior to the initial announcement of the Consortium's proposal

The Implied Scheme Consideration at March 2023 of \$9.15 per Origin Share represents a:

- 57.5 per cent premium to Origin's closing price of \$5.81 per share on 9 November 2022;
- 63.3 per cent premium to the 1-month VWAP of an Origin Share to 9 November 2022 of \$5.60 per share;
- 58.9 per cent premium to the 3-month VWAP of an Origin Share to 9 November 2022 of \$5.76 per share; and
- 54.2 per cent premium to the 6-month VWAP of an Origin Share to 9 November 2022 of \$5.94 per share.

^{2.} Origin Shareholders should, in considering this recommendation, note that (as detailed in section 9.2 of this Scheme Booklet), if the Scheme becomes Effective, the following will occur in relation to the equity incentives and deferred cash awards held by Frank Calabria (Managing Director and Chief Executive Officer): full vesting and exercise of 992,212 unvested share rights, lifting of restrictions on 472,417 restricted Origin Shares and waiving of the deferral period for \$1,229,499 deferred cash.

^{3.} Implied Consideration at March 2023 of \$9.15 per Origin Share represents the implied consideration of \$8.91 per Origin share announced by Origin on 27 March 2023 following execution of the Scheme Implementation Deed, adjusted to reflect the current mix of Australian dollar and US dollar consideration, and the current spot AUD/USD exchange rate of 0.64 as at 5.00pm on 10 October 2023.



Premium of 'Implied Scheme Consideration at March 2023' to Origin's trading prices prior to the initial announcement of the Consortium's proposal on 9 November 2022:

Source: VWAPs based on IRESS data. IRESS has not consented to the use of this information in the Scheme Booklet.

Origin notes the significant passage of time and change in market circumstances since 9 November 2022, meaning the share price on that date may no longer be representative of where Origin Shares may trade today if the Scheme does not proceed. The above premia reflect the attractiveness of the Implied Scheme Consideration at March 2023 of \$9.15 compared to the price of Origin Shares in the period prior to first announcing the proposed transaction with the Consortium.

Origin notes, as at the date of this Scheme Booklet, following receipt of ACCC authorisation on 10 October 2023, the Origin Share price has continued to trade above the Total Cash Payment payable under the Scheme. The Origin Share price at the Last Practicable Date of 10 October 2023 was \$9.21, and as such the Total Cash Payment of \$8.81 is a discount of 4.3% to the Origin Share price. Origin Shareholders should however note that the trading price of Origin Shares is impacted by the proposed Scheme and that the Origin Share price may not necessarily trade at these levels in the absence of the proposed Scheme.

It is not possible to predict what Origin's share price would be now if the Scheme had not been proposed or what the premia would be (if any). Origin Shareholders should note the risk of Origin's share price falling below the Total Cash Payment if the Scheme is unsuccessful.

d) If the Special Dividend is paid, you may be able to realise the benefit of the franking credits attached to the Special Dividend

The Origin Board intends to pay a fully franked Special Dividend of 39 cents per Origin Share but has not made a final decision.

The final decision on whether or not to pay a Special Dividend will be made by the Origin Directors in their absolute discretion and will be announced by Origin ahead of the Scheme Meeting. Any such decision is subject to a number of factors, including satisfaction of the following conditions:

- the Scheme having been approved by Origin Shareholders and the Court and having become Effective;
- Origin having received a draft class ruling (or other indicative confirmation) from the Australian Tax Office (ATO) in a form acceptable to Origin;
- Origin being able to pay the Special Dividend in cash before the Implementation Date (with the Special Dividend Record Date being before the Scheme Record Date);
- Origin having available franking credits and its franking account not being in deficit; and
- compliance with relevant legislative requirements under the Corporations Act and Income Tax Assessment Act 1997 in respect of the Special Dividend.

1. Key considerations relevant to your vote continued

The final decision of the Origin Directors will be communicated to Origin Shareholders by way of an ASX announcement before the Scheme Meeting.

If Origin pays a Special Dividend of 39 cents per Origin Share, then, in addition to the Total Cash Payment, eligible Origin Shareholders that are able to realise the benefit of the franking credits attached to the Special Dividend may be entitled to an Australian tax offset of approximately 16.7 cents per Origin Share, provided certain requirements are met (as set out in further detail in section 8).

In assessing the value to them of any Special Dividend, Origin Shareholders should seek independent professional taxation advice as to whether or not the receipt of any Special Dividend and any entitlement to franking credits attached thereto is beneficial to them based on their own particular circumstances. Refer to section 8 for further details on the potential tax implications of the Scheme.

e) The Scheme Consideration is 100 per cent cash, providing Origin Shareholders with the ability to accept cash for their Origin Shares now for the Scheme Consideration, rather than be exposed to continuing and future risks and uncertainties associated with Origin's business

The 100 per cent cash consideration provides Origin Shareholders with the opportunity to realise their investment in full for the Total Cash Payment.

In particular, the Total Cash Payment provides certainty against the risks associated with the execution of Origin's long-term strategy.

As Origin embarks upon the significant transition of its wholesale generation portfolio, there is risk associated with development and construction of large-scale, complex infrastructure projects. Development of new generation capacity is expected to be capital intensive and in certain circumstances could impact dividends able to be paid to shareholders, or funding capacity to invest in other growth initiatives more generally.

There is also a risk that the earnings generated by the business today are adversely impacted in the future given the potential for market, regulatory and other factors to impact the financial performance and prospects of the business.

If the Scheme does not proceed, Origin's share price and the level of future dividends will necessarily be uncertain and subject to a number of risks, including those noted above and outlined in section 7. However, you may choose to weigh these risks against the potential to share in value that may be generated by Origin in the future.

The Scheme removes these risks and uncertainties for Origin Shareholders and allows Origin Shareholders to realise their investment in Origin.

f) No Superior Proposal has emerged as at the date of this Scheme Booklet

Since the announcement of the indicative, conditional and non-binding proposal from the Consortium on 10 November 2022, the subsequent revised proposal on 22 February 2023 and the signing of the Scheme Implementation Deed on 27 March 2023, no Superior Proposal has emerged.

The Origin Board is not aware, as at the date of this Scheme Booklet, of any Superior Proposal that is likely to emerge.

g) The Origin share price may fall if the Scheme does not proceed and in the absence of a Superior Proposal

If the Scheme does not proceed, Origin Shares will remain quoted on the ASX and will continue to be subject to the volatility of both the general stock market, including the demand for listed shares, the volatility of underlying energy markets and general economic conditions, the regulatory environment, and other operational factors which influence the market value of Origin Shares.

As a result, if the Scheme does not proceed and no Superior Proposal is received by the Origin Board, the Origin Share price may fall below the Scheme Consideration.



The below chart shows Origin's Share price over the 24 months to 10 October 2023 (being the Last Practicable Date), compared to the Total Cash Payment of approximately \$8.81 per share.

h) Brokerage charges will not apply to the transfer of your Origin Shares under the Scheme

You will not incur any brokerage charges on the transfer of your Origin Shares to Bidder under the Scheme.

It is possible that such brokerage charges (and, potentially GST on those charges) would be incurred if you dispose of your Origin Shares other than under the Scheme.

1.3 Reasons to vote against the Scheme

The Origin Board recommends that you vote in favour of the Scheme, subject to no Superior Proposal emerging and the Independent Expert continuing to conclude that the Scheme is in the best interests of the Origin Shareholders.

However, there may be reasons which lead you to consider voting against the Scheme, including the following:

a) You may disagree with the Origin Directors' unanimous recommendation, which in accordance with the Scheme Implementation Deed is subject to there being no Superior Proposal and to the Independent Expert's conclusion that the Scheme is in the best interests of Origin Shareholders

Despite the unanimous recommendation of the Origin Directors to vote in favour of the Scheme subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of the Origin Shareholders and there being no Superior Proposal, you may believe that the Scheme is not in your best interests.

b) You may disagree with the Independent Expert's conclusion or formed your own view on the value of Origin Shares which may be outside the Independent Expert's valuation range (or positioned higher within the range)

The Independent Expert, Grant Samuel, has valued Origin to be in the range of \$8.45 to \$9.48 per share as at 30 June 2023 and concluded that the Scheme is fair and reasonable and therefore is in the best interests of Origin shareholders, in the absence of a Superior Proposal.

You may disagree with the conclusion of the Independent Expert that the Scheme is fair and reasonable and therefore is in the best interests of Origin Shareholders, in the absence of a Superior Proposal.

The Independent Expert's conclusion as to whether the Scheme is in the best interests of Origin Shareholders depends on whether, not where, the Scheme falls in the Independent Expert's valuation range.

In concluding that the Scheme is fair and reasonable and therefore is in the best interests of Origin Shareholders, in the absence of a Superior Proposal, the Independent Expert has made assumptions and judgements based on future conditions and events which cannot be predicted with certainty.

1. Key considerations relevant to your vote continued

The Independent Expert has also noted that while a valuation as at the Implementation Date of 18 December 2023 cannot be reliably determined in advance, a 'roll forward' of the valuation to that date assuming a return on equity of, say, 10 per cent could theoretically increase Origin's value by approximately 40 cents per share (to the low end of the valuation range), and a 6 per cent rate in line with the ticking fee⁴ would add approximately 24 cents, assuming the business achieves its FY2024 budget, pays no dividends and there is no change to long-term cash flows or economic conditions.

You may believe that the Scheme Consideration insufficiently compensates for the value of Origin Shares, taking into account the Independent Expert's valuation range and any potential adjustment that you consider appropriate for time value given the proposed December 2023 Implementation Date.

Further detail on how the Independent Expert arrived at its valuation range and why it reached its conclusions are set out in the Independent Expert's Report (including the Independent Technical Specialist's Report), a copy of which is included in Annexure 1. The Origin Directors encourage you to read this report in its entirety.

c) You may prefer to have the opportunity to participate in Origin's business into the future, including its continuing investment in the energy transition and any potential future value creation associated with being an Origin Shareholder

If the Scheme is implemented, you will no longer be an Origin Shareholder and will forgo any benefits that may result from being an Origin Shareholder.

This will mean that you will not participate in the future performance of Origin or retain any exposure to Origin's business or assets, including Octopus Energy, or have the potential to share in the value that could be generated by Origin in the future.

The energy transition presents many opportunities for Origin to capture value for its shareholders. With its customer base, portfolio of assets and management team, Origin is well positioned to lead and benefit from the energy transition through providing cleaner energy and customer solutions. Origin is building its pipeline of renewable and storage projects and has confidence in the ability to deliver its strategy as the energy transition accelerates.

You may consider that the Scheme Consideration does not adequately reflect the opportunities for Origin to benefit from the energy transition or your perspective on Origin's long-term value. As a result, you may decide that it is better for you to retain your Origin Shares.

The potential for upside returns arising from an investment in Origin should be weighed against the risks of an ongoing investment in Origin (as set out in section 7). There is no guarantee as to Origin's future performance, as is the case with all investments.

d) You may believe it is in your best interests to maintain your current investment and risk profile

You may prefer to keep your Origin Shares to preserve your investment in a listed company with the specific characteristics of Origin.

In particular, you may consider that, despite the risk factors relevant to Origin's future operations (including those set out in section 7), Origin may be able to return greater value by remaining a standalone entity or by seeking alternative corporate transactions in the future.

Origin notes that, as at the date of this Scheme Booklet, following receipt of ACCC authorisation on 10 October 2023, the Origin share price has continued to trade above the Total Cash Payment payable under the Scheme. Origin Shareholders should however note that the trading price of Origin Shares is impacted by the proposed Scheme and that the Origin Share price may not necessarily trade at these levels in the absence of the proposed Scheme.

You may also consider that it would be difficult to identify or invest in alternative investments that have a similar investment profile to that of Origin or may incur transaction costs in undertaking any new investment.

e) You may believe that there is potential for a Superior Proposal to emerge in the future

You may consider that a Superior Proposal could emerge in the future. The Origin Directors are, as at the date of this Scheme Booklet, not aware of, and have not received, any Superior Proposal.

f) You may consider that the tax consequences of the Scheme are not beneficial for you

The tax consequences of the Scheme will depend on your personal situation. In particular, Origin Shareholders should note that, depending on the timing of and price at which they acquired their Origin Shares, there may be differences in the tax consequences. You may consider that the tax consequences of transferring your Origin Shares to Bidder pursuant to the Scheme are not attractive to you.

Origin Shareholders should read the tax implications of the Scheme outlined in section 8. However, section 8 is general in nature, and Origin Shareholders should consult with their own independent taxation advisers regarding the tax implications of the Scheme.

1.4 Risks associated with continuing to hold Origin Shares

As set out in further detail in section 7, there are a number of risk factors, both general and specifically relating to Origin and the Scheme, which may affect the future operating and financial performance of Origin and the price and/ or value of Origin Shares.

These risks are non-exhaustive and additional unknown risks and uncertainties may have a material adverse impact on Origin's financial and operational performance.

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Strategic	 Competition Technological developments/disruption Changes in demand for energy Regulatory policy
Climate	 Policy and legal Technology Market Reputation Physical risks
Financial risks	 Commodity Foreign exchange and interest rates Liquidity and access to capital markets Credit and counterparty
Operational risks	 Safe and reliable operations Capital investment in development projects Environmental and social Cyber security APLNG gas reserves, resources and deliverability Conduct and compliance Joint venture
APLNG litigation	Tri-Star litigation

Risks relating to the business and operations of Origin

1. Key considerations relevant to your vote continued

Risks relating to the Scheme				
Implementing the Scheme	Conditions precedent Court approval Regulatory approvals and delay			
If the Scheme is not implemented	 Shareholders will not receive the Scheme Consideration or Special Dividend Shareholders will continue to be subject to the risks currently associated with an investment in Origin No certainty as to the timing and quantum of any future dividends The Origin share price may fall if the Scheme does not proceed and in the absence of a Superior Proposal 			
Risks relating to the Special Dividend				
Payment of a Special Dividend is ot assured	There is no assurance that any Special Dividend will be paid to Origin Shareholders			
Benefit of franking credits • attached to the Special Dividend	Ability to realise the benefit of the franking credits attached to any Special Dividend will depend on your personal circumstances, whether a favourable class ruling is obtained from the ATO, and the potential impact of legislative changes as described in section 7.5(b)			

2. Frequently asked questions

This section 2 answers some frequently asked questions relating to the Scheme. It is not intended to address all relevant issues for Origin Shareholders. This section 2 should be read together with all other parts of this Scheme Booklet.

QUESTION	ANSWER	MORE INFORMATION
Overview of th	e Scheme	
Why have I received this Scheme Booklet?	This Scheme Booklet has been sent to you because you are registered as an Origin Shareholder and you are being asked to vote on the Scheme. This Scheme Booklet is intended to help you to consider and decide on how to vote on the Scheme at the Scheme Meeting.	Section 4
What is the Scheme?	The Scheme is a scheme of arrangement between Origin and the Scheme Shareholders.	Section 4 and Annexure 2
	A 'scheme of arrangement' is a statutory procedure in the Corporations Act that is commonly used in transactions in Australia to effect a change of ownership or control of a company. In addition to requiring Court approval, schemes of arrangement require a shareholder vote in favour of a resolution to implement the scheme of arrangement by the Requisite Majorities.	
	If the Scheme becomes Effective, Bidder will acquire all of the Scheme Shares for the Scheme Consideration. Origin will be delisted from the ASX and become a wholly owned subsidiary of Bidder.	
Who is the Consortium?	The Consortium is the consortium of investors comprising Brookfield Asset Management Inc. (together with its affiliates and their managed funds) and MidOcean Energy, LLC, which is managed by EIG, who made a non-binding proposal on 10 November 2022 and a revised proposal on 22 February 2023 for the acquisition of Origin.	Section 6
	The members of the Consortium's affiliates and managed funds or entities, being Bidder and entities owned by Brookfield LP, will ultimately acquire Origin and its business if the Scheme is implemented.	
Who is Bidder?	Bidder is MidOcean Reef Bidco Pty Ltd (ACN 665 950 318), an Australian proprietary company, which is an indirectly held wholly- owned subsidiary of MidOcean Energy, LLC (a limited liability company incorporated in Delaware, USA), which is managed by EIG, a US-headquartered investment firm and an institutional investor in the global energy sector. Bidder will acquire 100% of the Origin Shares under the Scheme.	Section 6
	As part of the transaction, there is a related Sale Transaction that involves the sale of the Brookfield EM Business (including Origin's investment in Octopus Energy) to entities owned by Brookfield LP (see below). Bidder will retain ownership of all of the issued shares in Origin and the MidOcean IG Business.	

2. Frequently asked questions continued

QUESTION	ANSWER	MORE INFORMATION
Who are the BGTF Consortium and Brookfield LP?	The BGTF Consortium comprises the Brookfield-managed Brookfield Global Transition Fund I, the Brookfield-managed Brookfield Renewable Partners L.P. and a syndicate of passive institutional investors to be managed by Brookfield, together with their institutional partners Buckland Investment Pte. Ltd. (an indirectly wholly-owned subsidiary of GIC (Ventures) Pte. Ltd.) and Davis Investments Pte. Ltd. (an indirect wholly-owned subsidiary of Temasek Holdings (Private) Limited).	Section 6
	Brookfield LP is a newly established Bermudan limited partnership that was established for the purposes of holding the BGTF Consortium's investment in the Brookfield EM Business for the long term. Brookfield GP, a Brookfield-controlled entity, is the general partner of Brookfield LP. It is expected that, on completion of the Sale Transaction, the limited partnership interests in Brookfield LP will be held (directly or indirectly) by the BGTF Consortium.	

Recommendations and intentions

What do the Origin Directors recommend?	The Origin Directors unanimously recommend that you vote in favour of the Scheme, in the absence of a Superior Proposal and subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of Origin Shareholders. ¹ The reasons for this recommendation and other relevant considerations are set out in section 1. The Origin Directors encourage you to seek independent legal, financial, taxation or other appropriate professional advice.	Letter from the Chair of the Origin Board and Section 1.
What are the intentions of the Origin Directors?	Each Origin Director intends to vote, or procure the voting of, all Origin Shares held or controlled by him or her at the time of the Scheme Meeting in favour of the Scheme at the Scheme Meeting in the absence of a Superior Proposal and subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of Origin Shareholders.	Letter from the Chair of the Origin Board and section 1.2(a)
What is the conclusion of the Independent Expert?	The Independent Expert has concluded that the Scheme is fair and reasonable and therefore is in the best interests of Origin Shareholders, in the absence of a Superior Proposal. You should read the Independent Expert's Report, which is contained in Annexure 1, carefully and in its entirety.	Annexure 1

Origin Shareholders should, in considering this recommendation, note that (as detailed in section 9.2 of this Scheme Booklet), if the Scheme becomes Effective, the following will occur in relation to the equity incentives and deferred cash awards held by Frank Calabria (Managing Director and Chief Executive Officer): full vesting and exercise of 992,212 unvested share rights, lifting of restrictions on 472,417 restricted Origin Shares and waiving of the deferral period for \$1,229,499 deferred cash.

QUESTION	ANSWER	MORE INFORMATION
Overview of th	e Scheme Consideration	
What will I receive for my Origin Shares?	If the Scheme is implemented, Origin Shareholders will receive the Scheme Consideration for each Origin Share owned on the Scheme Record Date.	Section 4.2
	US dollar amount and is adjusted to deduct the amount of any Special Dividend that is paid to Origin Shareholders prior to Implementation.	
What is the Total Cash Payment that I will receive?	If the Scheme is implemented on 18 December 2023, the cash amount that Origin Shareholders will receive is the Total Cash Payment of approximately \$8.81 per Origin Share, comprising the following:	Section 4.2
	• AUD Scheme Consideration of \$6.25 per Origin Share held on the Scheme Record Date (less the Special Dividend of 39 cents that may be determined and paid by Origin before the Scheme is implemented); ² and	
	 USD Scheme Consideration of US\$1.64 per Origin Share held on the Scheme Record Date, which will be paid in Australian dollars (unless you make a valid Currency Election to receive US dollars), converted by Bidder shortly before Implementation in accordance with the Scheme, with an implied value of \$2.56 based on the exchange rate as at the Last Practicable Date³. The Australian dollar value of the USD Scheme Consideration may increase or decrease based on the AUD/USD rate at the time of conversion; and 	
	• a fully franked Special Dividend of 39 cents for each Origin Share held on the Special Dividend Record Date, that may be determined and paid by Origin prior to Implementation.	
Why is the total consideration offered as a combination of	Under the terms of the Scheme Implementation Deed, Bidder pays a certain portion of the Scheme Consideration in Australian dollars and a certain portion in US dollars.	Section 4.2(d)(1)
Australian dollars and US dollars and why has this consideration mix changed?	The consideration mix between Australian dollars and US dollars has changed since the date of the Scheme Implementation Deed so the proportion of the Scheme Consideration payable in Australian dollars has increased. This is because certain US dollar amounts received by Origin have been converted into Australian dollars, and Bidder elected to convert an additional fixed amount of US dollar consideration to Australian dollars in accordance with the terms of the Scheme Implementation Deed.	

The AUD Scheme Consideration reflects adjustments in accordance with the Scheme Implementation Deed to deduct the Permitted Dividends of 36.5 cents per Origin Share paid to Origin Shareholders prior to the date of this Scheme Booklet; and add the Additional Consideration of 2.7 cents per Origin Share (assuming an Implementation Date of 18 December 2023), which accrues at a rate of approximately 0.15 cents per Origin Share per day from (and including) 1 December 2023 to (and including) the Implementation Date.
 Using the spot AUD/USD foreign exchange rate of 0.64 as at 5.00pm on 10 October 2023. Refer to section 4.2(e)(1) for further detail regarding the process for conversion to Australian dollars under the Scheme.

2. Frequently asked questions continued

QUESTION	ANSWER	MORE INFORMATION
Why is the Total Cash Payment different to the amount announced on signing of the SID?	The Total Cash Payment is an approximate amount as it reflects a number of variables.	Section 4.2(d)
	As announced by Origin at the time of entry into the Scheme Implementation Deed, a number of potential changes to the consideration payable were outlined (each of which has impacted the amount of the Total Cash Payment):	
	 the consideration mix between Australian dollars and US dollars was subject to change; 	
	 the consideration payable could vary due to currency fluctuations (impacting the conversion of the USD Scheme Consideration); 	
	 the consideration payable would be reduced by any dividends paid by Origin prior to Implementation of the Scheme; and 	
	 additional consideration of approximately 4.5 cents per month, accruing on a daily basis, would be payable by Bidder if implementation of the Scheme is delayed beyond 30 November 2023. 	
	The impact of these changes, and the impact on the Total Cash Payment estimated to be payable on Implementation of the Scheme, is set out in more detail in section 4.2.	
Why is the current share price different to the Scheme Consideration?	Origin notes that, as at the date of this Scheme Booklet, following receipt of ACCC authorisation on 10 October 2023, the Origin Share price has continued to trade above the Total Cash Payment payable under the Scheme.	Section 1.2(c)
	Origin Shareholders should however note that the trading price of Origin Shares is impacted by the proposed Scheme and that the Origin Share price may not necessarily trade at these levels in the absence of the proposed Scheme or if the Scheme is unsuccessful.	
Do I need to make a Currency Election?	If you do not make a Currency Election (or you make a Currency Election that is not valid), you are deemed to have made an automatic election to receive all of the Scheme Consideration in Australian dollars under the terms of the Scheme.	Section 4.4
	If you wish, you may make a Currency Election to receive the Scheme Consideration for all of your Origin Shares in the form of a combination of Australian dollars and US dollars (comprising, the AUD Scheme Consideration in Australian dollars and the USD Scheme Consideration in US dollars).	
How do I make a Currency Election?	You may make a Currency Election for all of your Origin Shares by lodging an Election Form with the Origin Share Registry.	Section 4.4
	You can request an Election Form from www.investorserve.com.au or by contacting the Origin Shareholder Information Line on 1300 540 303 (within Australia) or +61 2 9066 4083 (outside Australia), between 8.30am and 5.30pm (Sydney time), Monday to Friday (excluding public holidays).	

QUESTION	ANSWER	MORE INFORMATION
How do I make a Currency Election? continued	 For a Currency Election to be valid: you must complete and sign the Election Form in accordance with the instructions set out in the Scheme Booklet and in the Election Form (including providing valid US dollar banking account details); the Election Form must be received by the Origin Share Registry before the Election Time (expected to be 7.00pm on 4 December 2023) in accordance with the instructions on the Election Form; and it must be made in respect of all (not just some) of your Origin Shares. 	Section 4.4
When and how will I receive my Total Cash Payment?	 If the Scheme is implemented: Scheme Shareholders will be paid the Scheme Consideration on the Implementation Date (currently expected to be 18 December 2023); and if the Origin Directors decide to pay a Special Dividend, Origin Shareholders on the Origin Share Register as at the Special Dividend Record Date will be paid the Special Dividend on the Special Dividend Payment Date (currently expected to be 8 December 2023). Origin Shareholders who have validly registered their bank account details with the Origin Share Registry before the relevant record date will have these payments deposited directly to their bank account(s). Otherwise, Origin Shareholders will have their Scheme Consideration sent by cheque to their address shown on the Origin Share Register. 	Section 4.5
How do I nominate a bank account or change my bank account details?	You can nominate a bank account or update your bank account details on the website of the Origin Share Registry at www.investorserve.com.au. Scheme Shareholders who make a Currency Election to receive their USD Scheme Consideration in US dollars will need to provide valid US dollar bank account details in their Election Form.	Section 4.5
Will I have to pay brokerage?	You will not have to pay brokerage on the transfer of your Origin Shares to Bidder under the Scheme.	Section 1.2(h)
What are the taxation implications of the Scheme?	The taxation implications of the Scheme will depend on your particular circumstances. In particular, you should note that, depending on the timing of and price at which you acquired your Origin Shares, there may be differences in the tax consequences for you. Section 8 provides a general description of the Australian taxation consequences for Scheme Shareholders. You should seek independent professional taxation advice with respect to your particular circumstances. Origin has applied to the ATO requesting a class ruling to confirm the key taxation implications of the Scheme and any Special Dividend. The class ruling has not been finalised as at the date of this Scheme Booklet. Origin expects that the ATO will provide a draft of the class ruling prior to the Scheme Meeting. Origin will make an announcement to the ASX if it receives a draft of the class ruling before the Scheme Meeting or the Second Court Hearing. When the final class ruling is published by the ATO, it will be available on the ATO's website at www.ato.gov.au.	Section 8

2. Frequently asked questions continued

QUESTION	ANSWER	MORE INFORMATION		
Special Dividend				
What is the Special Dividend?	The Origin Board intends to pay a fully franked Special Dividend of 39 cents per Origin Share prior to implementation of the Scheme but has not made a final decision.	Letter from the Chair of the Origin Board and section 4.3		
	The final decision on whether or not to pay a Special Dividend will be made by the Origin Directors in their absolute discretion. Any such decision is subject to a number of factors, including satisfaction of the following conditions:			
	• the Scheme having been approved by Origin Shareholders and the Court and having become Effective;			
	 Origin having received a draft class ruling (or other indicative confirmation) from the ATO in a form acceptable to Origin; 			
	 Origin being able to pay the Special Dividend in cash before the Implementation Date (with the Special Dividend Record Date being before the Scheme Record Date); 			
	 Origin having available franking credits and its franking account not being in deficit; and 			
	 compliance with relevant legislative requirements under the Corporations Act and ITAA 1997 in respect of the Special Dividend. 			
	The final decision of the Origin Directors will be communicated to Origin Shareholders by way of an ASX announcement before the Scheme Meeting.			
Will any Special Dividend be franked?	The Origin Directors currently intend that, if any Special Dividend is to be paid, it will be fully franked.	Sections 4.4 and 8		
	The franking credits attached to a Special Dividend of 39 cents per share are approximately 16.7 cents per Origin Share and may be of value to those Origin Shareholders who are able to realise the benefit of franking credits.			
	In assessing the value to you of any Special Dividend or franking credits, you should seek independent professional taxation advice as to whether or not the receipt of any Special Dividend and any entitlement to franking credits attached to the dividend is beneficial to you based on your own particular circumstances.			
Conditions to t	he Scheme			
Are there any conditions to the Scheme?	Yes. The outstanding conditions to the Scheme are summarised in section 4.6. As at the date of this Scheme Booklet, the Origin Directors are not aware of any circumstances which would cause any condition to the Scheme not to be satisfied.	Section 4.6		

QUESTION	ANSWER	MORE INFORMATION
What is required for the Scheme to become Effective?	The Scheme will become Effective if:	N/A
	 the Scheme is approved by the Requisite Majorities of Origin Shareholders at the Scheme Meeting to be held on 23 November 2023; 	
	 the Court approves the Scheme at the Second Court Hearing; and 	
	 all of the other conditions precedent to the Scheme are satisfied or waived (as applicable). 	
When and where will the Scheme Meeting be held?	The Scheme Meeting will be held at 2.00pm (Sydney time) at the Swissôtel Sydney, 68 Market Street, Sydney, NSW on 23 November 2023.	Annexure 4
What will Origin Shareholders be asked to vote on at the Scheme Meeting?	At the Scheme Meeting, Origin Shareholders will be asked to vote on whether to approve the Scheme.	Annexure 4
What is the Origin Shareholder approval threshold for the Scheme?	In order to become Effective, the Scheme must be approved by the Requisite Majorities, being:	Section 4.8
	• unless the Court orders otherwise, a majority in number (more than 50 per cent) of Origin Shareholders present and voting at the Scheme Meeting (either in person or by proxy, attorney or, in the case of corporate Origin Shareholders, body corporate representative); and	
	• at least 75 per cent of the total number of votes cast on the Scheme Resolution at the Scheme Meeting by Origin Shareholders present and voting (either in person or by proxy, attorney or, in the case of corporate Origin Shareholders, body corporate representative).	
	Even if the Scheme is approved by the Requisite Majorities of Origin Shareholders at the Scheme Meeting, the Scheme is still subject to the approval of the Court.	
Am I entitled to vote at the Scheme Meeting?	If you are registered as an Origin Shareholder on the Origin Share Register as at 7.00pm (Sydney time) on 21 November 2023, you will be entitled to attend and vote at the Scheme Meeting.	Annexure 4
How can I vote if I can't attend the Scheme Meeting?	If you would like to vote but cannot attend the Scheme Meeting in person, you can vote by appointing a proxy or attorney to attend and vote on your behalf. You may also vote by corporate representative if that option is applicable to you.	Annexure 4
When will the results of the Scheme Meeting be known?	The results of the Scheme Meeting are expected to be available shortly after the conclusion of the Scheme Meeting and will be announced to the ASX (www.asx.com.au) once available.	N/A

2. Frequently asked questions continued

QUESTION	ANSWER	MORE INFORMATION
What happens to my Origin Shares if I do not vote, or if I vote against the Scheme, and the Scheme becomes Effective and is implemented?	If you do not vote, or vote against the Scheme, and the Scheme becomes Effective and is implemented, any Scheme Shares held by you on the Scheme Record Date (currently expected to be 7.00pm (Sydney time) on 11 December 2023) will be transferred to Bidder and you will receive the Scheme Consideration, despite not having voted or having voted against the Scheme.	Section 4.8(a)
Other question	S	
What happens if a Competing Proposal is received?	If a Competing Proposal is received, the Origin Directors will carefully consider it. Origin must notify Bidder of that Competing Proposal in accordance	Section 9.4(e)
	with the Scheme Implementation Deed. Origin Shareholders should note that Origin has agreed to certain exclusivity provisions in favour of Bidder under the Scheme Implementation Deed, which includes a matching right in favour of Bidder in the event of a Competing Proposal.	
	The Origin Directors are, as at the date of this Scheme Booklet, not aware of, and have not received, any Superior Proposal.	
Can I sell my Origin Shares now?	You can sell your Origin Shares on-market at any time before the close of trading on the ASX on the Effective Date at the then prevailing market price (which may vary from the Scheme Consideration). Origin intends to apply to the ASX for Origin Shares to be suspended from trading on the ASX from close of trading on the Effective Date.	N/A
	You will not be able to sell your Origin Shares on-market after this date. If you sell your Origin Shares on-market, you may pay brokerage on the sale, you will not receive the Scheme Consideration and there may be different tax consequences compared to those that would arise if you retain those shares until the Scheme is implemented.	
What if I have further questions about the Scheme?	For further information, please contact the Origin Shareholder Information Line on 1300 540 303 (within Australia) or +61 2 9066 4083 (outside Australia), between 8.30am and 5.30pm (Sydney time), Monday to Friday (excluding public holidays).	N/A
	If you are in doubt about anything in this Scheme Booklet, please contact your financial, legal, taxation or other professional adviser immediately.	

3. What should you do?

3.1 Step 1: Read this Scheme Booklet

You should carefully read this Scheme Booklet in its entirety before deciding whether to vote in favour of the Scheme.

If you have any questions, please contact the Origin Shareholder Information Line on 1300 540 303 (within Australia) or +61 2 9066 4083 (outside Australia), between 8.30am and 5.30pm (Sydney time), Monday to Friday (excluding public holidays).

If you are in any doubt as to what you should do, please consult your legal, financial, tax or other professional adviser without delay.

3.2 Step 2: Vote on the Scheme

a) Your vote is important

For the Scheme to proceed, it is necessary that sufficient Origin Shareholders vote in favour of the Scheme.

b) Who is entitled to vote?

If you are registered on the Origin Share Register at 7.00pm on 21 November 2023, you will be entitled to vote on the Scheme.

c) Details of the Scheme Meeting

The Scheme Meeting to approve the Scheme is scheduled to be held in person at the Swissôtel Sydney, 68 Market Street, Sydney, NSW at 2.00pm, on 23 November 2023.

Origin Shareholders and their proxies, attorneys or corporate representatives will be able to participate in person.

Origin Shareholders who are unable to attend in person can view the Scheme Meeting via live webcast at https://originenergy.com.au/scheme2023. Shareholders watching online will not be able to vote, ask questions or make comments via the webcast.

Further information about attending the Scheme Meeting can be found in the Notice of Scheme Meeting in Annexure 4.

d) How to vote?

You may vote:

- in person, by attending the Scheme Meeting in person at the Swissôtel Sydney, 68 Market Street, Sydney, NSW;
- **by proxy**, by completing and submitting a proxy form for the Scheme Meeting (which accompanies this Scheme Booklet) in accordance with the instructions set out on the form. To be valid, your proxy form must be received by the Origin Share Registry by 2.00pm on 21 November 2023;
- **by attorney**, by appointing an attorney to attend and vote at the Scheme Meeting on your behalf and providing a duly executed power of attorney to the Origin Share Registry by 2.00pm on 21 November 2023; or
- by corporate representative, in the case of a body corporate which is an Origin Shareholder, by appointing a corporate representative to attend and vote at the Scheme Meeting on behalf of that Origin Shareholder and providing a duly executed 'Appointment of Corporate Representative' form (in accordance with section 250D of the Corporations Act) prior to the Scheme Meeting.

Further details on how to vote are contained in the Notice of Scheme Meeting in Annexure 4.

4. Overview of the Scheme

4.1 Background to the Scheme

In August 2022, Origin was approached by the Consortium with a confidential non-binding indicative proposal to acquire all of Origin's issued shares at a price of \$7.95 per share. The Origin Board rejected this, and a subsequent proposal, before deciding to engage with the Consortium and provide access to due diligence following a further indicative proposal from the Consortium of \$9.00 per share.

Following a three-month period of due diligence, Origin and the Consortium (through Bidder and Brookfield Renewable Group Australia Pty Ltd) entered into the Scheme Implementation Deed, as announced on 27 March 2023, with an implied consideration of \$8.91¹ per Origin Share, consisting of Australian dollar consideration of \$5.78 per share and US dollar consideration of US\$2.19 per share. The Consortium has noted that the inclusion of the US dollar consideration reflects the underlying exposure of Origin's Integrated Gas assets, and specifically cash distributions from its 27.5 per cent interest in Australia Pacific LNG.

Following adjustments to the mix of Australian dollar and US dollar consideration in accordance with the Scheme Implementation Deed and accounting for changes to the AUD/USD exchange rate since that time,² the current implied consideration on a like-for-like basis with the implied consideration in March 2023 is approximately \$9.15 per share.

Deducting the total of 36.5 cents per share of ordinary dividends paid to shareholders in March and September 2023, as required under the Scheme, and adding 2.7 cents per share for an agreed ticking fee results in a Total Cash Payment to shareholders of approximately \$8.81 per share as described further in section 4.2.³ This figure represents the approximate cash amount you will be paid if the Scheme is implemented in accordance with the timetable set out in this Scheme Booklet and may increase or decrease based on the AUD/USD rate at the time of conversion.

A full copy of the Scheme Implementation Deed was attached to Origin's announcement to the ASX relating to the Scheme on 27 March 2023. A full copy of the Scheme Implementation Deed can be obtained from the ASX website (www.asx.com.au).

4.2 Overview of the Scheme Consideration

a) Entitlement to Scheme Consideration

If the Scheme is implemented, each Scheme Shareholder will be entitled to receive the Scheme Consideration per Origin Share held by them on the Scheme Record Date.

b) Payment to Origin Shareholders if the Scheme is implemented

The Scheme Consideration is comprised of both an Australian dollar and US dollar amount and is adjusted to deduct the amount of any Special Dividend that is paid to Origin Shareholders prior to Implementation.

If the Scheme is implemented, Origin Shareholders will receive a total cash payment of approximately \$8.81 per Origin Share, comprising the following (together the **Total Cash Payment**):⁴

• AUD Scheme Consideration of \$6.25 per Origin Share held on the Scheme Record Date (less the Special Dividend of 39 cents that may be determined and paid by Origin before the Scheme is implemented); and

^{1.} Based on the conversion of US\$2.19 per share assuming an AUD/USD exchange rate of 0.70. As outlined in the ASX announcement on 27 March 2023, this is equivalent to \$9.077 per share at the AUD/USD spot exchange rate of 0.665 at 5.00pm on 24 March 2023.

^{2.} From a rate of 0.665 at the signing of the Scheme Implementation Deed to a spot AUD/USD exchange rate of 0.64 as at 5.00pm on 10 October 2023.

^{3.} Based on the spot AUD/USD foreign exchange rate of 0.64 as at 5.00pm on 10 October 2023.

^{4.} The amount of the Total Cash Payment:

[•] assumes an Implementation Date of 18 December 2023;

[•] is an implied value, based on the spot AUD/USD exchange rate of 0.64 as at 5.00pm on 10 October 2023;

[•] for Origin Shareholders that do not submit a Currency Election to receive a US dollar payment, will depend on the AUD/USD exchange rate shortly prior to Implementation, and the actual Total Cash Payment paid to Origin Shareholders may be lower (or higher) than this amount; and

assumes 1,728,724,644 Origin Shares on issue at the Scheme Record Date.

- USD Scheme Consideration of US\$1.64 per Origin Share held on the Scheme Record Date, which will be converted to Australian dollars by Bidder shortly before Implementation in accordance with the Scheme and paid in Australian dollars (unless they make a valid Currency Election to receive US dollars), with a current Australian dollar implied value of \$2.56 based on the AUD/USD exchange rate of 0.64 as at the Last Practicable Date.⁵ The Australian dollar value of the USD Scheme Consideration may increase or decrease based on the AUD/USD exchange rate at the time of conversion;⁶ and
- a fully franked Special Dividend of 39 cents per Origin Share held on the Special Dividend Record Date, which the Origin Board intends to pay subject to certain conditions being met.

The AUD Scheme Consideration of \$6.25 reflects adjustments that have been made in accordance with the Scheme Implementation Deed to deduct the ordinary Permitted Dividends of 36.5 cents per Origin Share that have been paid to Origin Shareholders prior to the date of this Scheme Booklet, and to add in the Additional Consideration of 2.7 cents (assuming an Implementation Date of 18 December 2023). If Implementation is delayed beyond this date, the Additional Consideration would increase by approximately 0.15 cents for each additional day that elapses after 18 December 2023 to (and including) the date on which Implementation occurs.

The Total Cash Payment may change at the time the Scheme is implemented as described further below.

Refer to section 4.3 for further detail regarding the Special Dividend and applicable conditions.

c) Total Cash Payment

At the time Origin announced the signing of the Scheme Implementation Deed, Origin outlined that there were a number of potential changes that could occur to the consideration payable because:

- the consideration mix between Australian dollars and US dollars was subject to change;
- the consideration payable to shareholders could vary due to currency fluctuations (impacting the conversion of the USD Scheme Consideration);
- the consideration payable would be reduced by any dividends paid by Origin prior to implementation of the Scheme; and
- additional consideration of approximately 4.5 cents per month, accruing on a daily basis, would be payable by Bidder if implementation of the Scheme was delayed beyond 30 November 2023.

Each of these items have combined to alter the consideration amount originally announced by Origin at the time of entry into the Scheme Implementation Deed, as summarised in section 4.2(d) below. These changes explain the difference between the price announced on signing the Scheme Implementation Deed and the Total Cash Payment of approximately \$8.81 per Origin Share.

While those items described in section 4.2(d) are unlikely to change between the date of this Scheme Booklet and the Implementation Date (currently expected to be 18 December 2023), there are a number of other items that will continue to impact on the amount of the Total Cash Payment following the date of this Scheme Booklet to Implementation, as summarised in section 4.2(e) below.

These potential future changes primarily relate to future movements in the US dollar to Australian dollar exchange rate.

There is also the possibility of an increase in the quantum of Additional Consideration if there is a delay in the Implementation Date beyond 18 December 2023 given that this accrues at a rate of approximately 0.15 cents per share per day.

Origin will also provide an updated calculation of the approximate amount of the Total Cash Payment, including the Origin Board's final decision in relation to the payment of a Special Dividend, by way of ASX announcement prior to the Scheme Meeting.

^{5.} Using the spot AUD/USD foreign exchange rate of 0.64 as at 5.00pm on 10 October 2023.

^{6.} Refer to section 4.2(e)(1) for further detail regarding the process for conversion to Australian dollars under the Scheme.
4. Overview of the Scheme continued

d) Update to the consideration since entry into the Scheme Implementation Deed

At the time of entry into the Scheme Implementation Deed on 27 March 2023, Origin announced a consideration mix of \$5.78 per Origin Share and US\$2.19 per Origin Share, implying an Initial Consideration value of \$8.91 per Origin Share based on an assumed AUD/USD exchange rate of 0.70.⁷

Since then, there has been a number of adjustments to the Initial Consideration, set out in further detail below, resulting in an update to the amount payable to Origin Shareholders, and ultimately reflected in the Total Cash Payment. These adjustments are summarised in the table below, and primarily comprise of:

- adjustments to the AUD and USD consideration mix, as a certain amount of USD consideration has been converted to Australian dollars in accordance with the Scheme Implementation Deed, increasing the AUD Scheme Consideration with corresponding decrease in the USD Scheme Consideration;
- deductions for Permitted Dividends which have been paid to Origin Shareholders of 36.5 cents per share; and
- Additional Consideration payable of approximately 2.7 cents based on the expected Implementation Date of 18 December 2023.

\$ per share (local currency)	Origin	al announcement (27 March 2023)	Total Cash Pa (excluding any Special Div	
	AUD Scheme Consideration	USD Scheme Consideration	AUD Scheme Consideration	USD Scheme Consideration
i) AUD/USD Consideration mix	\$5.78	US\$2.19	\$6.59	US\$1.64
Implied like-for-like total consideration (pre adjustments)	\$8.91 at assumed 0.70 AUD/USD\$9.15 at AUD/USD spot rateexchange rate80.64 on 10 October 202		SD spot rate of tober 2023 ⁹	
ii) Less Permitted Dividends paid			-\$0.365	
iii) Plus Additional Consideration			+\$0.027	
Total amounts payable			\$6.25	US\$1.64
Total Cash Payment			\$8.81 at AUD/USD exchange rate of 0.64 on 10 October 2023	

Origin Shareholders that hold Origin Shares on both the Scheme Record Date and the Special Dividend Record Date will receive the same Total Cash Payment regardless of whether a Special Dividend is paid. This is because the AUD Scheme Consideration included in the Total Cash Payment will be reduced by the cash amount of any Special Dividend paid by Origin before the Implementation Date.

Assuming an Implementation Date of 18 December 2023, each Origin Shareholder will receive a Total Cash Payment of approximately \$8.81, which is the sum of \$6.25 plus US\$1.64 per Origin Share, as converted based on an AUD/USD foreign exchange rate of 0.64 as at the Last Practicable Date.

The basis of these changes is described in further detail below:

1) AUD Scheme Consideration and USD Scheme Consideration mix

The Scheme Consideration is comprised of the AUD Scheme Consideration and the USD Scheme Consideration, as determined in accordance with the Scheme.

Assuming an Implementation Date of 18 December 2023, the Total Cash Payment includes AUD Scheme Consideration of \$6.25 (as outlined in the table above, and to be adjusted for the Special Dividend of 39 cents that may be determined and paid by Origin before the Scheme is implemented) and USD Scheme Consideration of US\$1.64, in each case per Origin Share held on the Scheme Record Date.

^{7.} As also noted in that announcement, the implied offer value based on the spot exchange rate of 0.665 USD per AUD at the time of the announcement was \$9.077 per Origin Share.

^{8.} As outlined in the ASX announcement on 27 March 2023, this is equivalent to \$9.077 at the AUD/USD spot exchange rate of 0.665 at 5.00pm on 24 March 2023.

Spot AUD/USD foreign exchange rate as at 5.00pm on 10 October 2023. This implied total consideration provides a like-for-like comparison with the consideration as announced at the time of signing the Scheme Implementation Deed (prior to adjustments).

This reflects a change from the \$5.78 and US\$2.19 per Origin Share announced at the time of the Scheme Implementation Deed.

This is because there has been an increase in the AUD Scheme Consideration (and a corresponding decrease in the USD Scheme Consideration) in accordance with the terms of the Scheme for:

- Australia Pacific LNG distributions (including any gains or losses from related commodity hedge transactions) received by Origin (or that Origin will receive at least 5 Business Days prior to the Scheme Meeting) in US dollars, which have been converted to Australian dollars at the relevant hedge rate;
- Australia Pacific LNG distributions in Australian dollars that were unhedged at the time of the signing of Scheme Implementation Deed;
 - received by Origin in US dollars, and converted by Origin to Australian dollars; and
 - that are expected to be received by Origin prior to the Implementation Date, as agreed between Origin and Bidder; and
- an additional fixed amount of approximately US\$640 million consideration converted to Australian dollars at a rate of US\$0.70 to A\$1.00 elected by Bidder. It should be noted that, since the signing of the Scheme Implementation Deed, Bidder has elected to convert this amount into Australian dollars.

2) Ordinary dividends paid by Origin prior to Implementation

The AUD Scheme Consideration reflects an adjustment in accordance with the Scheme to deduct the Permitted Dividends of 36.5 cents per Origin Share that have been paid to Origin Shareholders, being:

- the interim \$0.165 per share fully franked dividend paid to shareholders on 24 March 2023; and
- the final \$0.20 per share fully franked dividend paid to shareholders on 29 September 2023.

e) Factors that will continue to impact the Total Cash Payment

In addition to the items set out in section 4.2(d) above, there may be further changes to the Total Cash Payment due to ongoing currency fluctuations and, if Implementation is delayed beyond 18 December 2023, increases in the Additional Consideration.

1) Changes in AUD/USD exchange rate

Unless they make a valid Currency Election, Origin Shareholders will have the total Scheme Consideration paid in Australian dollars, with the USD Scheme Consideration converted to Australian dollars by Bidder shortly before Implementation in accordance with the Scheme.

Under the terms of the Scheme, the aggregate USD Scheme Consideration payable to Origin Shareholders in Australian dollars (being the portion of aggregate USD Scheme Consideration in respect of which no valid Currency Election is received) will be converted to Australian dollars in accordance with the following:

- Bidder will use reasonable endeavours to obtain at least 3 quotes from independent foreign exchange brokers for US dollar to Australian dollar exchange rates;
- Bidder will in its discretion select the best rate or rates (resulting in the highest value of Australian dollars) to convert the US dollars; and
- Bidder will convert the US dollars over at least 2 Business Days, being completed by 6.00am (Sydney time) on the date that is two Business Days prior to the Implementation Date (or such other time as agreed between Origin and Bidder).

The Total Cash Payment of approximately \$8.81 includes an implied Australian dollar amount of \$2.56, based on the USD Scheme Consideration of US\$1.64, converted at the AUD/USD exchange rate of 0.64 as at the Last Practicable Date.¹⁰

Origin Shareholders can elect to have the USD Scheme Consideration paid in US dollars by making a valid Currency Election. Section 4.4 provides further detail regarding the Currency Election.

For Origin Shareholders who do not make a valid Currency Election, the Total Cash Payment may vary depending on fluctuations in the AUD/USD exchange rate between the date of this Scheme Booklet and implementation of the Scheme.

^{10.} Using the spot AUD/USD foreign exchange rate of 0.64 as at 5.00pm on 10 October 2023. Refer to section 4.2(e)(1) for further detail regarding the process for conversion to Australian dollars under the Scheme.

4. Overview of the Scheme continued

The below table illustrates the potential impact on the USD Scheme Consideration based on an FX rate conversion to AUD.11

AUD/USD FX Rate	Converted US\$1.64/sh USD Scheme Consideration (A\$/sh)	AUD Scheme Consideration (A\$/sh)	Total Cash Payment (A\$/sh)
0.50	3.28	6.25	9.53
0.55	2.98	6.25	9.23
0.60	2.73	6.25	8.99
0.64	2.56	6.25	8.81
0.65	2.52	6.25	8.78
0.70	2.34	6.25	8.60
0.75	2.19	6.25	8.44
0.80	2.05	6.25	8.30

As shown in the above table, if the Australian dollar rises against the US dollar (compared to the exchange rate of 0.64 used to calculate the implied value of the USD Scheme Consideration in this Scheme Booklet), the Australian dollar amount of the USD Scheme Consideration (when converted) will fall and the Total Cash Payment (as expressed in Australian dollars) will be lower.

Conversely, if the Australian dollar declines against the US dollar (compared to the exchange rate of 0.64 used to calculate the implied value of the USD Scheme Consideration in this Scheme Booklet), the Australian dollar amount of the USD Scheme Consideration (when converted) will increase and the Total Cash Payment (as expressed in Australian dollars) will be higher.

The below chart shows historical FX movements of the AUD/USD exchange rate relevant to the offer over the



24-months to the Last Practicable Date.

Source: IRESS data. IRESS has not consented to the use of this information in the Scheme Booklet.

0.85

^{11.} Amounts in this table have been rounded to two decimal places so there may be discrepancies between totals due to the effects of rounding.

2) Additional Consideration

Under the terms of the Scheme, Bidder has agreed to pay additional consideration of \$0.001479 (approximately 0.15 cents) for each day that has elapsed from (and including) 1 December 2023 to (and including) the Implementation Date.

Based on the Implementation Date of 18 December 2023, the Total Cash Payment of approximately \$8.81 includes Additional Consideration of approximately 2.7 cents.

If the Scheme is implemented after this date, the Additional Consideration (and consequently the Total Cash Payment) will continue to increase by \$0.001479 (approximately 0.15 cents) for each additional day that elapses after 18 December 2023 to (and including) the date on which Implementation occurs.

4.3 Special Dividend

a) Introduction

The Origin Board intends to pay a fully franked Special Dividend of 39 cents per Origin Share prior to the Implementation Date but has not made a final decision.

The final decision on whether or not to pay a Special Dividend will be made by the Origin Directors in their absolute discretion. Any such decision is subject to a number of factors, including satisfaction of the following conditions:

- the Scheme having been approved by Origin Shareholders and the Court and having become Effective;
- Origin having received a draft class ruling (or other indicative confirmation) from the Australian Tax Office in a form acceptable to Origin;
- Origin being able to pay the Special Dividend in cash before the Implementation Date (with the Special Dividend Record Date being before the Scheme Record Date);
- Origin having available franking credits and its franking account not being in deficit; and
- compliance with relevant legislative requirements under the Corporations Act and *Income Tax Assessment Act* 1997 (Cth) in respect of the Special Dividend.

b) Corporations Act requirements

Under section 254T of the Corporations Act, dividends may only be paid by a company if:

- the company's assets exceed its liabilities immediately before the dividend is declared and the excess is sufficient for the payment of the dividend;
- the payment of the dividend is fair and reasonable to the company's shareholders as a whole; and
- the payment of the dividend does not materially prejudice the company's ability to pay its creditors.

In addition, section 260A of the Corporations Act enables a company to financially assist a person to acquire shares in the company or a holding company only if certain conditions are satisfied. Financial assistance of this kind would be permitted if the giving of assistance does not materially prejudice:

- the interests of the company;
- the interests of its shareholders; or
- the company's ability to pay its creditors.

The Corporations Act specifically contemplates that financial assistance (of the kind that is regulated under section 260A of the Corporations Act) may take the form of paying a dividend which may be given before the acquisition of shares. Origin will only pay a Special Dividend if it can do so in compliance with section 260A.

The Origin Directors will determine (in their absolute discretion) whether or not to pay a Special Dividend after assessing the financial position of the Origin Group and the expected impact on creditors. However, based on the information currently available, the Origin Directors expect they may be able to determine that paying a Special Dividend of 39 cents per Origin Share is in the best interests of Origin and does not materially prejudice the interests of Origin or Origin Shareholders and does not materially prejudice Origin's ability to pay its creditors.

c) Announcement regarding any Special Dividend

The final decision of the Origin Directors regarding the payment of any Special Dividend will be communicated to Origin Shareholders by way of an ASX announcement before the Scheme Meeting.

4. Overview of the Scheme continued

d) Impact of any Special Dividend

The Total Cash Payment includes AUD Scheme Consideration of \$6.25 per Origin Share held on the Scheme Record Date, which will be adjusted to deduct the Special Dividend of 39 cents that may be determined and paid by Origin before the Scheme is implemented.

If a Special Dividend of 39 cents per Origin Share is paid by Origin, the Total Cash Payment of approximately \$8.81 per Origin Share payable to Origin Shareholders will comprise the following:

- AUD Scheme Consideration of \$5.86 per Origin Share held on the Scheme Record Date (payable by Bidder); and
- USD Scheme Consideration of US\$1.64 per Origin Share held on the Scheme Record Date (payable by Bidder), as converted to Australian dollars by Bidder shortly before Implementation in accordance with the Scheme (unless the Scheme Shareholder makes a valid Currency Election to receive US dollars), with an implied value of \$2.56¹²; and
- a fully franked Special Dividend of 39 cents for each Origin Share held on the Special Dividend Record Date (payable by Origin).

If a Special Dividend is not paid, the Total Cash Payment of approximately \$8.81 per Origin Share payable to Origin Shareholders will comprise the following (payable by Bidder):

- AUD Scheme Consideration of \$6.25 per Origin Share held on the Scheme Record Date; and
- USD Scheme Consideration of US\$1.64 per Origin Share held on the Scheme Record Date (payable by Bidder), as converted to Australian dollars by Bidder shortly before Implementation in accordance with the Scheme (unless the Scheme Shareholder makes a valid Currency Election to receive US dollars), with an implied value of \$2.56.¹³

If the Scheme is implemented and you hold Origin Shares on both the Scheme Record Date and the Special Dividend Record Date, the Total Cash Payment you receive will be the same regardless of whether a Special Dividend is paid. This is because the AUD Scheme Consideration included in the Total Cash Payment will be reduced by the cash amount of any Special Dividend paid by Origin before the Implementation Date.

The franking credits associated with a Special Dividend of 39 cents per Origin Share are approximately 16.7 cents per Origin Share, which may be of value to Origin Shareholders who are able to realise the benefit of franking credits.

4.4 Currency Election

a) How to make a Currency Election

The Scheme Consideration comprises both Australian dollars and US dollars and each Origin Shareholder is deemed (unless they elect otherwise) to have made an automatic election to receive the Scheme Consideration in Australian dollars under the terms of the Scheme.

As an alternative, an Origin Shareholder may elect to receive the Scheme Consideration for all of their Origin Shares in the form of a combination of Australian dollars and US dollars (comprising, the AUD Scheme Consideration in Australian dollars and the USD Scheme Consideration in US dollars) (**Currency Election**). In order to make a Currency Election and receive the USD Scheme Consideration in US dollars, Origin Shareholders must provide valid US dollar bank account details.

Origin Shareholders may make a Currency Election for all of their Origin Shares through lodging the Election Form with the Origin Share Registry. An Origin Shareholder can request an Election Form from www.investorserve.com.au or by contacting the Origin Shareholder Information Line on 1300 540 303 (within Australia) or +61 2 9066 4083 (outside Australia), between 8.30am and 5.30pm (Sydney time), Monday to Friday (excluding public holidays).

For a Currency Election to be valid:

- the Origin Shareholder must complete and sign the Election Form in accordance with the instructions set out in the Scheme Booklet and in the Election Form (including providing valid US dollar banking account details);
- the Election Form must be received by the Origin Share Registry before 7.00pm on 4 December 2023 or such other time as agreed in writing by Bidder and Origin (Election Time) at the address specified on the Election Form; and
- it must be made in respect of all (not just some) of your Origin Shares.

^{12.} Using the spot AUD/USD foreign exchange rate of 0.64 as at 5.00pm on 10 October 2023. Refer to section 4.2(e)(1) for further detail regarding the process for conversion to Australian dollars under the Scheme.

^{13.} Using the spot AUD/USD foreign exchange rate of 0.64 as at 5.00pm on 10 October 2023. Refer to section 4.2(e)(1) for further detail regarding the process for conversion to Australian dollars under the Scheme.

b) Currency Election applies to all your Origin Shares

Except in respect of separate parcels held by nominees and custodians noted below, a Currency Election will be deemed to apply in respect of the Origin Shareholder's entire registered holding of Origin Shares on the Scheme Record Date, regardless of whether the Origin Shareholder's holding of Origin Shares on the Scheme Record Date is greater or less than the Origin Shareholder's holding at the time it made its Currency Election.

Nominees or custodians which are noted on the Origin Share Register as holding one or more parcels of Origin Shares as trustee or nominee for, or otherwise on account of, another person may make separate Currency Elections for each of those parcels. A Currency Election made in respect of any such parcel will not be taken to extend to any other parcels held by the nominee or custodian. For further information, contact the Origin Shareholder Information Line on 1300 540 303 (within Australia) or +61 2 9066 4083 (outside Australia), between 8.30am and 5.30pm (Sydney time), Monday to Friday (excluding public holidays).

c) What happens if the Currency Election is invalid?

If an Origin Shareholder does not make a valid Currency Election, the Origin Shareholder will receive the Scheme Consideration in Australian dollars for all their Origin Shares.

d) Can a Currency Election be withdrawn?

An Origin Shareholder may withdraw or revoke a Currency Election in accordance with the instructions on the Election Form before the Election Time.

4.5 Provision of Scheme Consideration

The Scheme Consideration will be paid to Scheme Shareholders on the Implementation Date (currently expected to be 18 December 2023). Scheme Shareholders who have validly registered their bank account details with the Origin Share Registry before the Scheme Record Date will have their Scheme Consideration paid directly to their bank account(s). Otherwise, Scheme Shareholders will have their Scheme Consideration sent by cheque in Australian dollars to their address shown on the Origin Share Register.

You can nominate a bank account or update your bank account details on the website of the Origin Share Registry at www.investorserve.com.au.

Scheme Shareholders who make a Currency Election to receive their USD Scheme Consideration in US dollars will need to provide valid US dollar bank account details in their Election Form.

It is important to note that you will only receive the Scheme Consideration if you are a Scheme Shareholder. You will be a Scheme Shareholder if you hold Origin Shares at the Scheme Record Date (currently expected to be 7.00pm (Sydney time) on 11 December 2023) or such other time and date as Origin, Bidder and Brookfield Renewable Group Australia Pty Ltd agree in writing).

If the Origin Directors decide to pay a Special Dividend, Origin Shareholders on the Origin Share Register as at the Special Dividend Record Date will be paid the Special Dividend on the Special Dividend Payment Date (currently expected to be 8 December 2023).

4.6 Conditions to the Scheme

Implementation of the Scheme is subject to the following outstanding conditions precedent, which are set out in full in clause 3.1 of the Scheme Implementation Deed:

- a) **FIRB**: notice is received by or on behalf of the Treasurer of the Commonwealth of Australia advising the FIRB Applicants that the Commonwealth of Australia has no objections to the Scheme, Sale Transaction or Internal Restructure.
- b) **NOPTA Approval**: Bidder receives approval from the National Offshore Petroleum Titles Administrator required under the *Offshore Petroleum and Greenhouse Gas Storage Act 2006*.
- c) Shareholder approval: Origin Shareholders approve the Scheme at the Scheme Meeting by the Requisite Majorities.
- d) **Independent Expert**: the Independent Expert does not change its conclusion that the Scheme is in the best interests of Origin Shareholders, or withdraw its Independent Expert's Report, before 8.00am on the Second Court Date.
- e) **Court approval:** the Court approves the Scheme in accordance with paragraph 411(4)(b) of the Corporations Act at the Second Court Hearing.

4. Overview of the Scheme continued

- f) Restraints: as at 8.00am on the Second Court Date, there is not in effect any temporary, preliminary or final order, injunction, decision or decree or other material legal restraint or prohibition issued by a court of competent jurisdiction or Government Agency that would prevent, make illegal or prohibit the implementation of the Transaction.
- g) No Origin Prescribed Occurrence: no Origin Prescribed Occurrence occurs between (and including) the date of the Scheme Implementation Deed and 8.00am on the Second Court Date.
- h) No Origin Regulated Event: no Origin Regulated Event occurs between (and including) the date of Scheme Implementation Deed and 8.00am on the Second Court Date.
- i) No Origin Material Adverse Change: no Origin Material Adverse Change occurs between (and including) the date of Scheme Implementation Deed and 8.00am on the Second Court Date.
- j) Foreign Investment Clearance: as at 8.00am on the Second Court Date, each Foreign Investment Clearance (being relevant foreign investment approvals in France and Spain) required to implement the Transaction has been obtained (unconditionally or subject only to conditions acceptable to Bidder and Brookfield Renewable Group Australia Pty Ltd, acting reasonably).

As at the date of this Scheme Booklet, the condition precedent that ACCC approval be obtained (as set out in clause 3.1(b) of the Scheme Implementation Deed) has been satisfied. Certain Brookfield entities, AusNet Pty Ltd and Australian Energy Holdings No 1 Pty Ltd and MidOcean Energy Holdings Pty Ltd and MidOcean Energy Parent Pty Ltd have provided undertakings to the ACCC in connection with the authorisation granted by the ACCC in relation to the Scheme, Sale Transaction and Internal Restructure. Full copies of these undertakings are available on the ACCC's website (www.accc.gov.au).

The Scheme will not proceed unless all of the conditions precedent to the Scheme are satisfied or waived (as applicable) in accordance with the Scheme Implementation Deed. The conditions precedent must be satisfied or waived prior to the Second Court Hearing. If any of the regulatory approval conditions precedent (being FIRB approval, NOPTA approval and the Foreign Investment Clearances) remain outstanding shortly prior to the Scheme Meeting and are not expected to be satisfied before the Second Court Hearing, it may be appropriate to defer the Scheme Meeting until such time as the outstanding regulatory approvals have been obtained (or there is certainty that they will be obtained prior to the Second Court Hearing). Any changes to the current timetable will be announced by Origin to the ASX.

As at the date of this Scheme Booklet, none of the Origin Directors are aware of any circumstances which would cause any condition precedent not to be satisfied.

4.7 Implications if the Scheme does not become Effective

If the Scheme is not implemented:

- unless Origin Shareholders choose to sell their Origin Shares, for example on the ASX, Origin Shareholders will continue to hold Origin Shares and will be exposed to general risks as well as risks specific to Origin, including those set out in section 7, as well as potential future benefits in retaining exposure to Origin's business and assets;
- Origin Shareholders will not receive the Scheme Consideration;
- a break fee of \$151,004,098 may be payable by Origin to Bidder under certain circumstances (detailed in section 9.4(f)). These circumstances do not include where the Scheme Implementation Deed is terminated because the Conditions Precedent are not satisfied (including failure by Origin Shareholders to approve the Scheme at the Scheme Meeting);
- Origin will continue as an ASX-listed entity with management continuing to implement Origin's business plan and financial and operating strategies; and
- the price of an Origin Share will continue to be subject to market volatility and may fall in the absence of a Superior Proposal.

4.8 Key steps in the Scheme

a) Scheme Meeting and Scheme approval requirements

The Court has ordered Origin to convene the Scheme Meeting at which Origin Shareholders will be asked to approve the Scheme.

The terms of the Scheme Resolution to be considered at the Scheme Meeting are contained in the Notice of Scheme Meeting in Annexure 4.

The Scheme will only become Effective and be implemented if:

- it is approved by the Requisite Majorities of Origin Shareholders at the Scheme Meeting to be held on 23 November 2023;
- it is approved by the Court at the Second Court Hearing; and
- the other conditions precedent to the Scheme outlined in section 4.6 are satisfied or waived (as applicable).

The Requisite Majorities of Origin Shareholders to approve the Scheme are:

- unless the Court orders otherwise, a majority in number (more than 50 per cent) of Origin Shareholders present and voting at the Scheme Meeting (either in person or by proxy, attorney or, in the case of corporate Origin Shareholders, body corporate representative); and
- at least 75 per cent of the total number of votes cast on the Scheme Resolution at the Scheme Meeting by Origin Shareholders present and voting (either in person or by proxy, attorney or, in the case of corporate Origin Shareholders, body corporate representative).

The Court has the power to waive the first requirement.

The entitlement of Origin Shareholders to attend and vote at the Scheme Meeting is set out in the Notice of Scheme Meeting in Annexure 4.

Voting is not compulsory. However, the Origin Directors unanimously recommend that Origin Shareholders vote in favour of the Scheme in the absence of a Superior Proposal, and subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of Origin Shareholders.¹⁴

You should be aware that even if you do not vote, or vote against the Scheme, the Scheme may still be implemented if it is approved by the Requisite Majorities of Origin Shareholders and the Court. If this occurs, your Origin Shares will be transferred to Bidder and you will receive the Scheme Consideration even though you did not vote on, or voted against, the Scheme.

The results of the Scheme Meeting will be available as soon as possible after the conclusion of the Scheme Meeting and will be announced to the ASX (www.asx.com.au) once available.

b) Court approval of the Scheme

In the event that:

- the Scheme is approved by the Requisite Majorities of Origin Shareholders at the Scheme Meeting; and
- all other conditions precedent to the Scheme (except Court approval of the Scheme) have been satisfied or waived (as applicable),

then Origin will apply to the Court for orders approving the Scheme.

Each Origin Shareholder has the right to appear at the Second Court Hearing.

c) Effective Date

If the Court approves the Scheme, the Scheme will become Effective on the Effective Date, being the date an office copy of the Court order from the Second Court Hearing approving the Scheme is lodged with ASIC. Origin will, on the Scheme becoming Effective, give notice of that event to the ASX.

Origin intends to apply to the ASX for Origin Shares to be suspended from trading on the ASX from close of trading on the Effective Date.

^{14.} Origin Shareholders should, in considering this recommendation, note that (as detailed in section 9.2 of this Scheme Booklet), if the Scheme becomes Effective, the following will occur in relation to the equity incentives and deferred cash awards held by Frank Calabria (Managing Director and Chief Executive Officer): full vesting and exercise of 992,212 unvested share rights, lifting of restrictions on 472,417 restricted Origin Shares and waiving of the deferral period for \$1,229,499 deferred cash.

4. Overview of the Scheme continued

d) Special Dividend Record Date, entitlement to any Special Dividend and Special Dividend Payment Date

If the Origin Directors decide to pay a Special Dividend, those Origin Shareholders who are recorded on the Origin Share Register on the Special Dividend Record Date (currently expected to be 7.00pm (Sydney time) on 30 November 2023) will be entitled to receive the Special Dividend in respect of the Origin Shares they hold at that time and will be paid the Special Dividend on the Special Dividend Payment Date (currently expected to be 8 December 2023).

e) Scheme Record Date and entitlement to Scheme Consideration

Those Origin Shareholders who are recorded on the Origin Share Register on the Scheme Record Date (currently expected to be 7.00pm (Sydney time) on 11 December 2023 or such other time and date as the parties agree in writing) will be entitled to receive the Scheme Consideration in respect of the Origin Shares they hold at that time.

1) Dealings on or prior to the Scheme Record Date

For the purposes of determining which Origin Shareholders are eligible to participate in the Scheme, dealings in Origin Shares will be recognised only if:

- in the case of dealings of the type to be effected using CHESS, the transferee is registered on the Origin Share Register as the holder of the relevant Origin Shares before the Scheme Record Date; and
- in all other cases, registrable transfer or transmission applications in respect of those dealings, or valid requests in respect of other alterations, are received by the Origin Share Registry before the Scheme Record Date (and the transferee remains registered as at the Scheme Record Date).

For the purposes of determining entitlements under the Scheme, Origin will not accept for registration or recognise any transfer or transmission applications in respect of Origin Shares received after the Scheme Record Date.

2) Dealings after the Scheme Record Date

For the purpose of determining entitlements to the Scheme Consideration, Origin must maintain the Origin Share Register in its form as at the Scheme Record Date until the Scheme Consideration has been paid to the Scheme Shareholders. The Origin Share Register in this form will solely determine entitlements to the Scheme Consideration.

After the Scheme Record Date:

- all statements of holding for Origin Shares (other than statements of holding in favour of Bidder) will cease to have effect as documents relating to title in respect of such Origin Shares; and
- each entry on the Origin Share Register (other than entries on the Origin Share Register in respect of Bidder) will cease to have effect except as evidence of entitlement to the Scheme Consideration in respect of the Origin Shares relating to that entry.

f) Implementation Date

By no later than the Business Day before the Implementation Date (currently expected to be 18 December 2023), Bidder will deposit (or will procure the deposit) into the following Origin operated trust accounts with an authorised deposit taking institution in Australia as trustee for the Scheme Shareholders:

- into an Australian dollar denominated account, an amount equal to the aggregate Scheme Consideration to be provided to Scheme Shareholders in Australian dollars, being all AUD Scheme Consideration and the USD Scheme Consideration in respect of which valid Currency Elections are not received; and
- into a US dollar denominated account, an amount equal to the aggregate Scheme Consideration to be provided to Scheme Shareholders in US dollars, being the USD Scheme Consideration in respect of which valid Currency Elections are received.

Scheme Shareholders will be paid the Scheme Consideration on the Implementation Date. Immediately after the Scheme Consideration is paid to Scheme Shareholders on the Implementation Date, the Scheme Shares will be transferred to Bidder.



As at the date of this Scheme Booklet, a Deed Poll has been entered into by Bidder in favour of the Scheme Shareholders, to:

- provide the aggregate amount of the Scheme Consideration (excluding any Special Dividend payable by Origin) payable to all Scheme Shareholders under the Scheme, subject to the Scheme becoming Effective; and
- undertake all other actions attributed to Bidder under the Scheme.

A copy of the Deed Poll is contained in Annexure 3.

4.9 Warranties by Scheme Shareholders

Under the terms of the Scheme, each Scheme Shareholder is taken to have warranted to Origin and Bidder, and appointed and authorised Origin as its attorney and agent to warrant to Bidder, on the Implementation Date, that:

- all their Origin Shares (including any rights and entitlements attaching to those shares) which are transferred under the Scheme will, at the date of transfer, be fully paid and free from all mortgages, charges, liens, encumbrances, pledges, security interests (including any 'security interests' within the meaning of section 12 of the *Personal Property Securities Act 2009* (Cth)) and interests of third parties of any kind, whether legal or otherwise, and restrictions on transfer of any kind; and
- they have full power and capacity to transfer their Scheme Shares to Bidder together with any rights attaching to those shares.

4.10 Internal Restructure and Sale Transaction

Origin notes the request from Bidder regarding the Internal Restructure and the Sale Transaction set out in further detail in section 6.1. The Origin Board has yet to consider this request.

4.11 Delisting of Origin

Origin will apply for the termination of the official quotation of Origin Shares on the ASX and for Origin to be removed from the official list of the ASX, each to occur on a date after the Implementation Date.

5. Information about Origin

5.1 Business overview

Origin is a leading integrated energy company with over 4.5 million customer accounts across electricity, gas, LPG¹ and broadband in Australia. Origin has an owned and contracted generation portfolio of 7,835 MW, which includes 1,755 MW of contracted renewables and storage. Origin owns a 27.5 per cent shareholding in Australia Pacific LNG, which produces and exports LNG to overseas customers and is a significant contributor to the East Coast gas market. Origin also holds a 20 per cent interest in the energy retail and technology company Octopus Energy headquartered in the UK.

Origin services its customers and markets across three operating segments:

- a) Energy Markets: As described further in section 5.3, this includes Retail and Energy Supply and Operations.
- b) Share of Octopus Energy: As described further in section 5.4, Origin owns a 20 per cent interest in the UK-based energy retail and technology company.
- c) Integrated Gas: As described further in section 5.5, this includes Origin's investment in Australia Pacific LNG (and Australia Pacific LNG service provider roles), interests in legacy exploration permits, growth initiatives in hydrogen and carbon offset projects, LNG trading and commodity hedging.

Origin operates in the following geographic areas:^{2, 3}



- On 8 November 2022, Origin entered into an agreement to sell Origin's LPG business in the Pacific with the sale subsequently completed in September 2023. Origin retains its Australian LPG business.
- 2. Customer numbers as at 30 June 2023.

^{3.} An agreement has been executed with Buru Energy Limited to exit Origin's interest in Canning Basin, and with Bridgeport Energy (Qld) Pty Ltd to exit Origin's joint venture interests in the Cooper Eromanga Basin.

5.2 Origin's ambition and strategy

Origin's ambition to lead the energy transition through cleaner energy and customer solutions is supported by the following strategic pillars to drive decarbonisation and evolve the portfolio.





Unrivalled customer solutions

Origin has a leading retail business with 4.5 million customer accounts, with low cost and churn lower than Tier 1 competitors, aiming to deliver a superior customer experience.

Origin's strategy to increase the value of the retail business and enhance customer experience involves:

- adopting a new operating model and migrating customers to the Kraken platform, delivering a superior customer experience, lower costs, a leaner operation and lower churn. Origin is targeting a \$200 - 250 million cash cost reduction from FY2018 baseline by FY2025. As at FY2023 Origin has realised ~\$150 million in cost savings, excluding the impact of rising bad and doubtful debt expenses;
- increasing the breadth of products offered including broadband, solar, batteries, connected solutions and E-mobility; and
- using strong data analytics capability to enable personalised and segmented offers and experiences for customers.

For larger business customers, Origin is working to simplify the energy transition, providing tailored energy and decarbonisation solutions through Origin Zero. These solutions can include elements such as renewable energy, demand response, solar, batteries, energy management and EV fleet management.

Through its strategic partnership with Octopus Energy, Origin has licensed the industry-leading retail platform, Kraken, to further improve customer experience and cost to serve for its growing customer base, while also benefiting from Octopus Energy's global growth and innovation.

5. Information about Origin continued



Accelerate renewables and cleaner energy

Origin intends to invest in cleaner energy positions to support customers' demand for energy and decarbonisation solutions. Origin intends to increase renewable energy supply through new investments, partnerships, and projects, targeting multi-GW renewable growth opportunities through a staged and disciplined investment and/or contracting approach.

In addition to Origin's significant thermal peaking generation portfolio, Origin plans to invest in growing 'firming capacity' such as batteries and our Virtual Power Plant (VPP) to support the growth of renewables during periods of peak demand and lower renewable generation.

Origin has developed a proprietary VPP platform to connect and use artificial intelligence to orchestrate distributed assets. Origin is growing our battery storage portfolio, including taking a final investment decision on the first stage of a battery project at Eraring.

Origin is investigating opportunities to invest in cleaner fuels for harder-to-abate sectors, including domestic and export green hydrogen projects, targeting domestic hydrogen supply from the mid 2020s and export supply from the late 2020s.



Deliver reliable energy through the transition

Origin believes its portfolio of assets can play a critical role in providing customers with reliable and affordable energy while it transitions to a low-carbon future. Origin believes gas will remain a key part of the energy mix during the transition.

Through our 27.5 per cent interest in Australia Pacific LNG, Origin continues to be a low cost supplier of gas, for domestic and export customers.

The Eraring coal fired power station continues to support the reliability and security of the electricity market. Origin has announced the early retirement of Eraring potentially as early as August 2025 as the portfolio and the market transitions to cleaner sources of energy and new sources of supply enter the market.

Origin expects its existing thermal peaking generation will continue to play a critical role in providing capacity and firming as coal generators such as Eraring retire and are replaced by intermittent renewables.

Origin has a leading domestic wholesale gas position with the ability to transport gas across the east coast to support the gas fired generation fleet as well as residential, business and wholesale customers.

5.3 Energy Markets

Origin's Energy Markets business comprises Australia's largest energy retail businesses by customer accounts,⁴ Australia's largest fleet of gas-fired peaking power stations supported by a substantial contracted fuel position, a growing supply of contracted renewable energy and Australia's largest power station, the black coal-fired Eraring Power Station.

Origin's Energy Markets segment activities include the generation of electricity and the procurement of electricity and gas, and the sale of these products to customers, as well as focusing on emerging products such as solar, batteries, connected solutions and e-mobility. These are set out in more detail below.

Retail		Energy Supply and Operations						
Electricity and Natural Gas – Mass Market (residential and small to medium business)	Origin Zero	LPG	Solar and Community Energy Services	Growth Businesses	Thermal Generation	Renewables Portfolio and Energy Storage	Electricity Wholesale Trading	Wholesale Gas Portfolio

a) Retail

Origin is Australia's largest energy retailer by customer accounts⁵ with approximately 4.5 million customer accounts across electricity, natural gas, LPG and broadband.

Origin retail customers include residential customers, small and medium-sized businesses, and commercial and industrial customers, principally across electricity, gas and LPG.

Electricity and Natural Gas - Mass Market

Origin supplies electricity and natural gas to around 3.5 million residential and small to medium-sized customer accounts. The majority of Origin's customers are located in New South Wales, Victoria, Queensland and South Australia. Origin aims to be Australia's most loved retailer helping customers embrace smart, connected and low carbon solutions as they decarbonise their homes and businesses.

In 2020, Origin acquired a 20 per cent interest in Octopus Energy, a UK-based fast-growing energy transition and technology company, and licensed Octopus Energy's Kraken platform to further transform Origin's retail operations to deliver superior customer experience, lower churn, enable a material reduction in operating costs, and accelerate future growth opportunities. The migration of mass market electricity and natural gas customers to the Kraken platform was successfully completed in early May 2023. Origin is targeting a cash cost reduction of \$200 million to \$250 million by FY2025 from FY2018 baseline.

Origin offers a range of products and services to customers with rewards and benefits valued by the customers. The level of competition in retail markets in Australia is high with customers able to choose their energy retailer. Customers consider price, brand, experience and overall value when selecting their energy retailer. Origin's customer churn, the rate which customers leave Origin, has consistently been lower than the market average.

The prices charged for electricity to those mass market customers that have not entered into a market contract with Origin (i.e. standing offer contracts) are regulated by the Default Market Offer by the Australian Energy Regulator in New South Wales, Queensland and South Australia, and the Victorian Default Offer by the Essential Services Commission in Victoria. The prices charged for electricity to mass market customers who have entered into a market contract with Origin are set by agreement between Origin and the customer.

The prices charged for gas to mass market customers are set in a competitive market and reflect the cost of procuring the energy and distribution of that energy to customers.

In FY2023, Origin's mass market electricity load totalled 15.6 TWh and Origin delivered 45.2 PJ of natural gas to its mass market customers.

4. As at 30 June 2023.

^{5.} As at 30 June 2023.

5. Information about Origin continued

Origin Zero

Origin supplies electricity and natural gas to large customers through the Origin Zero business. Origin Zero's mission is to accelerate large businesses to net zero through a range of products and services from four key categories; decarbonising grid energy, reducing carbon and costs at sites, replacing fossil fuel assets with electric assets, and offsetting residual carbon emissions. The business is gaining momentum with more than 200 MW of flexible large business customer demand enrolled into Origin's Virtual Power Plant, and the number of large customers engaging in non-commodity products doubled to approximately 4 per cent of large customers during FY2023.

In FY2023, Origin Zero's load totalled 18.6 TWh and Origin delivered 39 PJ of natural gas to its large customers.

Through Origin 360 EV, the business also provides a full suite of end-to-end electric vehicle (**EV**) solutions to both commercial and residential customers. Origin continues to accelerate its growth by scaling its EV Fleet, Car Share and Charging solutions as well as launching new products including the EV Energy Plan, a salary packaging EV subscription for Origin and third parties and charging solutions for body corporates and residents of apartment buildings. Origin has more than 400 EVs under management through a range of e-mobility solutions and continues to offer smart charging solutions to customers by enrolling EV chargers onto Loop.

LPG

Origin is one of Australia's largest LPG and propane suppliers, procuring and distributing LPG to residential and business locations across Australia. As at 30 June 2023, Origin serviced 368,000 customers.

On 8 November 2022, Origin entered into an agreement to sell Origin's LPG business in the Pacific, with the sale subsequently completed in September 2023. Origin retains its Australian LPG business.

Solar and Community Energy Services

Origin provides various services to residential and business customers including the installation of solar photovoltaic systems and batteries, and ongoing support and maintenance services.

The Community Energy Services (**CES**) business provides serviced hot water, natural gas and electricity via embedded networks and other related services such as communal solar and battery systems to apartment blocks. As at 30 June 2023, Origin serviced 442,000 CES customer accounts.

Growth businesses

Origin's growth businesses include early stage initiatives from the incubation phase to commercial scale. These initiatives include the Origin broadband business, Origin Loop (Origin's in-house Virtual Power Plant), Spike (Origin's behavioural demand response program for customers) and Origin 360 EV (Origin's electric vehicle business).

Origin's broadband business provides internet services through a partnership with Aussie Broadband. Origin was awarded both the 2023 Canstar Blue Best-Rated Bundled Energy and Telecommunications Provider and the 2022 Canstar Blue Best-rated NBN provider awards. In FY2023, Origin's broadband business grew by 35,000 to 96,000 customer accounts, with over 100,000 customers accounts by September 2023.

Origin Loop provides connected solutions to customers across multiple products and services. An increasing variety of distributed assets such as hot water, solar, batteries, electric vehicles and smart appliances are aggregated, controlled and managed in response to fluctuating market demand, improving customer engagement while reducing energy costs for both customers and Origin over time. Assets connected to Loop grew by approximately 216 per cent, from 258 MW to 815 MW over FY2023.

Spike, Origin's behavioural demand response program that rewards customers for reducing energy usage during periods of peak market demand, continues to grow with 137,000 customers signed up as at 30 June 2023. Spike utilises a new platform that provides more advanced and engaging digital experiences and insights for Origin customers. Origin continues to grow its connected home footprint with Loop-connected products including bundled solar and battery offerings, a BYO (bring your own) battery offer to integrate with customers' existing assets, and a trial of EV charging tariffs.

b) Energy Supply and Operations

A key part of Origin's business involves procuring wholesale supply of electricity, managing our wholesale gas portfolio, and managing the associated volatility in wholesale electricity market prices. Origin seeks to manage these risks using a combination of its owned and contracted generation capacity, as well as wholesale electricity market purchases and financial contracts.

Origin owns a diverse portfolio of generation assets across multiple fuel sources and geographical regions. Origin's owned generation portfolio includes gas, liquid fuel, a coal fired power station, cogeneration plants and a pumped storage hydro-electric power station. Origin has also contracted generation through long-term PPAs with solar, wind and gas fired generation. Origin has an ambition to grow its portfolio of renewables and storage to 4 GW by 2030 and in April 2023, took a final investment decision on the first stage of a large-scale battery at the Eraring Power Station.

Origin's generation portfolio totals 7,835 MW of owned and contracted generation capacity and is summarised below (as at 30 June 2023).

Electricity supply	Nameplate capacity (MW)	Type ¹
Eraring	2,922	
Units 1 – 4	2,880	Black coal
Gas turbine	42	OCGT
Darling Downs	644	CCGT
Osborne ²	180	CCGT
Uranquinty	692	OCGT
Mortlake	584	OCGT
Mount Stuart	423	OCGT
Quarantine	235	OCGT
Ladbroke Grove	80	OCGT
Roma	80	OCGT
Shoalhaven	240	Pumped hydro
Internal generation	6,080	
Pelican Point (contracted)	240	CCGT
Renewable PPAs	1,515	Solar/Wind
Owned and contracted generation	7,835	

1. OCGT stands for open cycle gas turbine; CCGT stands for combined cycle gas turbine.

2. Origin has a 50% interest in the 180MW plant and contracts 100% of the output.

5. Information about Origin continued

Thermal Generation

Origin's Eraring Power Station is the largest black coal-fired power station in Australia with four 720 MW units and total combined capacity of 2,922 MW, including a 42 MW gas turbine. Eraring currently continues to support the reliability and security of the electricity market. In February 2022, Origin notified the Australian Energy Market Operator of the early retirement of coal-fired generation at Eraring potentially as early as August 2025.

In September 2023, in response to the 'NSW Electricity Supply and Reliability Check Up' report prepared by Marsden Jacob, the NSW State Government advised that it would engage with Origin to clarify its plans for Eraring. Origin continues to assess the market and engage with the NSW Government to manage any risk to the reliability of electricity supply and the economic viability of the Eraring Power Station. As at the date of this Scheme Booklet no agreement has been reached between Origin and the NSW State Government to extend the early retirement of Eraring Power Station beyond August 2025.

The coal supply for Eraring has been historically sourced from coal mines close to Eraring under long-term supply contracts. As part of a strategy to diversify coal supply arrangements, coal supplies are now increasingly delivered by rail from other mines. Origin benefited from intervention by the NSW Government to cap coal supply costs to Eraring at \$125/t in FY2023 and this will continue in FY2024.

Origin owns Australia's largest fleet of peaking gas-fired generators, which is expected to play an increasingly important role in providing back up capacity to support intermittent renewable energy sources which are dependent on wind and solar conditions, as well as supplying energy in times of critical peak demand arising from extreme weather events or baseload power supply shortages.

Procurement of gas is supported by Origin's Wholesale Gas portfolio with portfolio strength underpinned by fixed price supply contracts and transport flexibility.⁶

Renewables Portfolio and Energy Storage

Origin is investing to support customers' demand for energy and decarbonisation solutions. Origin is accelerating the development of renewables and storage within its portfolio and intends to increase renewable energy supply through new investments, partnerships and projects, targeting multi-GW renewable growth opportunities through a staged and disciplined investment and/or contracting approach. On top of the 1,515 MW of contracted renewables and 240 MW of owned storage already in Origin's portfolio, Origin also has an ambition to grow its renewables and storage portfolio to 4 GW by 2030 and in April 2023, took a final investment decision on the first stage of a large-scale battery at the Eraring Power Station (460 MW with two hour dispatch duration). Origin has the option to increase the battery to 700 MW and four hours dispatch duration in the future.

Electricity Wholesale Trading

In addition to utilising its generation portfolio to manage electricity price risk, Origin manages the risk associated with volatile wholesale electricity prices through various cash settled financial contracts with third parties. However, it is not commercially practical to mitigate or hedge all risks associated with Origin's exposure to wholesale electricity prices.

The contractual risk management arrangements entered into by Origin include long-term power purchase contracts, swaps and cap contracts with third party generators. Financial limits are set by the Origin Board to manage the overall exposure Origin is prepared to take, and commodity risk management systems are in place to monitor and report performance against these financial limits.

In addition, Origin delivered 1.7 TWh of electricity to wholesale customers in FY2023.

^{6.} Fixed price contracts are subject to CPI adjustments.

Wholesale Gas Portfolio

Origin sources gas for customer demand and power generation from the competitive eastern Australian gas market and customarily enters into medium and long-term gas supply agreements to manage its wholesale gas procurement costs.

Origin sources gas from a range of suppliers, including purchases under long-term contracts from Australia Pacific LNG, Beach Energy (which owns the assets sold by Origin in FY2018), and other third-party gas producers. Some of this supply, including gas sourced from Australia Pacific LNG, is set at legacy prices that are materially lower than prices currently observed in the market. Origin's diverse gas supply arrangements provide flexibility, which is further enhanced through a number of mechanisms including gas swaps, gas storage, gas transportation and park and loan arrangements.

Origin also has access to major gas pipelines across the eastern States, which enables it to manage swings in gas market supply and demand and connect resources to electricity and gas markets.

Origin's procured gas is then sold to its retail customers, large corporate and industrial customers through Origin Zero, trading counter parties and used as fuel for its gas generation assets.

Origin delivered 102.3 PJ of natural gas to wholesale customers during FY2023.

5.4 Share of Octopus Energy

Origin holds a 20 per cent interest in Octopus Energy, a UK-based global energy transition and technology business, which is the second-largest energy retailer in the UK. As at 30 June 2023, Octopus Energy had 9.7 million customer accounts.

Octopus Energy owns and licenses (including to Origin) its market-leading Kraken technology platform. This has accelerated Origin's ambition to deliver superior customer service at lower cost and further differentiate its energy retail offering to customers.

On 1 September 2023, Octopus Energy announced that it had entered into an agreement to acquire Shell Energy's retail business in the United Kingdom and Germany (**Shell Energy Retail**). Shell Energy Retail has 1.4 million household energy customers and 500,000 broadband customers in the United Kingdom and 110,000 household energy customers in Germany. Following the completion of the Shell Energy acquisition (described below), Octopus Energy will have over 12 million customer accounts including 300,000 customers in Germany. As part of the agreement, Shell and Octopus Energy have also signed a memorandum of understanding to explore a potential international electric vehicle charging partnership. The transaction is subject to regulatory approvals and is expected to complete in the fourth quarter of 2023. Financial details of the transaction have not been disclosed.

Octopus Energy continues to experience significant growth in the licensing of its Kraken platform to other energy retailers, with more than 40 million accounts now contracted to be on the software platform globally following two new material licensing agreements announced recently with Tokyo Gas for 3 million electricity accounts and UK utility Severn Trent for 4.6 million accounts. There is also the potential to add a further 10 million gas accounts with Tokyo Gas. This would take total Kraken accounts to 50 million and halfway towards the target of 100 million customers on Kraken by 2027.

Octopus Energy has been very successful in efficiently migrating customers from competing platforms to the Kraken platform. All of EON's UK customers and Origin's mass market electricity and natural gas customer accounts have been successfully migrated to the Kraken platform. Migration has begun for EDF UK's customers.

Kraken earns recurring revenue from licensing the platform to utilities as well as one-off fees earned through the period of customer account migration.

Origin's share of Octopus Energy underlying EBITDA in FY2023 was \$240 million, up from a loss of \$36 million in the prior year. Octopus Energy's increased earnings in FY2023 reflects an increase in customer accounts and a lag in the reset of tariffs. Customer accounts in the UK retail business increased by 56 per cent during the year, while Kraken achieved a 25 per cent growth in accounts contracted to the platform in the same period.

5. Information about Origin continued

5.5 Integrated Gas

a) Australia Pacific LNG

Origin has a 27.5 per cent shareholding in Australia Pacific LNG, an equity accounted incorporated joint venture. Australia Pacific LNG operates Australia's largest Coal Seam Gas (**CSG**) to LNG export project (by nameplate capacity), with the country's largest 2P (proved plus probable) CSG reserves⁷. Australia Pacific LNG is also a major supplier of gas to the Australian east coast domestic market.

The other shareholders in Australia Pacific LNG are ConocoPhillips Australia Pacific LNG Pty Ltd (which owns 47.5 per cent) and Sinopec Australia Pacific LNG Pty Limited (which owns the remaining 25 per cent).

The below map illustrates Australia Pacific LNG's area of operations:



Origin is currently responsible for operation of the gas fields and gas transmission pipeline (upstream assets) on behalf of Australia Pacific LNG. This includes operation of the upstream CSG exploration, appraisal, development and production activities. Transportation of the CSG to the Australia Pacific LNG liquefaction facility occurs via a gas pipeline operated by Origin.

ConocoPhillips is currently responsible for the operations of the Australia Pacific LNG liquefaction facility, a 9 mtpa two-train LNG liquefaction facility at Gladstone in Queensland.

Australia Pacific LNG supplies gas to both the export and domestic markets. Origin is currently responsible for marketing of domestic gas and Australia Pacific LNG is responsible for LNG export marketing with the assistance of ConocoPhillips.

Australia Pacific LNG's export business comprises long-term LNG sales contracts with Sinopec,⁸ a major Chinese energy company, and Kansai Electric Power Co. Inc., a major Japanese energy company for a total volume of approximately 8.6 mtpa until 2035 and spot export LNG cargo sales when available. Australia Pacific LNG's domestic business supplies gas to power stations for the generation of electricity, as well as to industrial customers throughout southeast Queensland. Australia Pacific LNG also supplies gas to Origin under a long-term contract.

^{7.} As per EnergyQuest EnergyQuarterly, June 2023.

^{8.} Sinopec refers to China Petroleum & Chemical Corporation which has appointed Unipec Asia Co. Ltd. to act on its behalf under the LNG sale contract.

The below diagram illustrates the broader operational stages of Australia Pacific LNG:



Australia Pacific LNG acquired various CSG interests from Tri-Star in 2002 that are subject to reversionary rights and an ongoing royalty interest in favour of Tri-Star. These interests represent approximately 19 per cent of Australia Pacific LNG's 2P (proved plus probable) CSG reserves and approximately 18 per cent of 3P (proved plus probable plus possible) CSG reserves (as at 30 June 2023). Please refer to section 8 of Origin's Annual Report (which was filed with the ASX on 17 August 2023) for further information relating to Tri-Star's litigation against Australia Pacific LNG in relation to these CSG interests.

As Australia Pacific LNG is an equity accounted joint venture, Origin reports its share of Australia Pacific LNG earnings in its Integrated Gas segment.

b) Other Integrated Gas activities

Origin's Integrated Gas activities that are separate from Australia Pacific LNG include a hydrogen development business, including an interest in the Hunter Valley Hydrogen Hub Project on Kooragang Island, a carbon offset development business, as well as gas exploration operations, including a royalty interest in the Beetaloo Basin and interests in legacy exploration permits (which are all in the process of being divested, except for interests in the Browse Basin).

Hunter Valley Hydrogen Hub (New South Wales) and Other Growth Projects

The Hunter Valley Hydrogen Hub (HVHH), which is being assessed in collaboration with Orica, aims to support a reliable and commercial scale hydrogen supply chain in the Newcastle industrial and port precinct.

The first stage of the potential HVHH consists of a 50-60 MW electrolyser, which is expected to produce up to 5,500 tonnes of hydrogen per year. The intention is for the hydrogen to be generated using recycled water and gridconnected electricity, supported by the surrender of large-scale renewable certificates. The majority of the hydrogen will be delivered to Orica, and also made available to transport customers.

In September 2023, Origin announced \$45 million in funding from the NSW Government's hydrogen hubs initiative to progress the proposed Hunter Valley Hydrogen Hub on Kooragang Island. This follows Origin's announcement in July 2023 of a \$70 million grant Funding Agreement with the Commonwealth Government for the implementation of the Hunter Valley Hydrogen Hub project.

Origin is also evaluating other hydrogen and carbon offset projects to support the energy transition.

Legacy exploration permits

Origin has interests in the following legacy exploration permits:

- Beetaloo Basin (Northern Territory): In November 2022 Origin completed the sale of its interest in the Beetaloo Basin and received upfront consideration of \$60 million. Origin will receive a 5.5 per cent royalty based on wellhead revenues produced from the three Beetaloo permits, if they are developed. Origin has also executed an agreement to purchase gas from the Beetaloo project, which is conditional on a final investment decision being made and future development occurring.
- Cooper-Eromanga Basin (Queensland): Origin executed an agreement to transfer its 75 per cent interest and operatorship of five permits back to Bridgeport, which is expected to complete in the first half of FY2024, and has already surrendered the other twelve permits in the Cooper-Eromanga Basin.
- Canning Basin (Western Australia): An agreement has been executed with Buru Energy Limited to exit Origin's interest in the Canning Basin and the transaction is now expected to complete in the first half of FY2024. The terms of the sale provide for Origin to provide Buru with up to \$4 million to fund a seismic survey and for Buru to provide Origin with future reimbursement payments of up to \$34 million, conditional on the achievement of key development and production milestones.

5. Information about Origin continued

• Browse Basin (Offshore Western Australia): Origin holds a potential development resource with a 40 per cent interest in five permits in the offshore Browse Basin. The joint venture partners in these permits are Santos (operator) and PetroChina. No current activity is being undertaken.

c) Commodity and Currency Hedging Arrangements

Origin enters into oil hedging instruments to manage its share of Australia Pacific LNG oil price risk in order to support Origin's investment grade credit rating and cash flows during volatile market periods. Please refer to section 6.3.2 of Origin's Annual Report (which was filed with the ASX on 17 August 2023) for further information relating to these hedging arrangements.

d) LNG Trading

Origin's Integrated Gas segment also includes an LNG trading portfolio, which includes LNG purchase and sale contracts and derivative hedge contracts that manage the price risk associated with these physical LNG contracts.

In 2013, Origin established a Henry Hub linked contract to purchase 0.25 mtpa of LNG per year from Cameron LNG for a period of 20 years, with the first cargo delivered to Origin in June 2020. In 2016, Origin established a medium term contract with ENN LNG Trading Company Limited to sell ~0.28 mtpa of LNG per year commencing in FY2019. A significant proportion of the exposure over FY2024 – FY2025 has been hedged by Origin, with FY2026 in the process of being progressively hedged. Please refer to section 6.3.2 of Origin's Annual Report (which was filed with the ASX on 17 August 2023) for further information relating to these contracts.

5.6 Origin Board and senior management

a) Origin Board

As at the date of this Scheme Booklet, the Origin Board comprises the following directors:

Name	Position
Scott Perkins	Independent Non-Executive Chair
Frank Calabria	Managing Director and Chief Executive Officer
Ilana Atlas	Independent Non-Executive Director
Maxine Brenner	Independent Non-Executive Director
Greg Lalicker	Independent Non-Executive Director
Mick McCormack	Independent Non-Executive Director
Steven Sargent	Independent Non-Executive Director
Nora Scheinkestel	Independent Non-Executive Director
Joan Withers	Independent Non-Executive Director

b) Origin senior management

As at the date of this Scheme Booklet, Origin's senior management comprises the following members:

Name	Position
Frank Calabria	Managing Director and Chief Executive Officer
Jon Briskin	Executive General Manager, Retail
Greg Jarvis	Executive General Manager, Energy Supply and Operations
Kate Jordan	General Counsel and Executive General Manager, Company Secretariat, Risk, Governance and Compliance
Tony Lucas	Executive General Manager, Future Energy and Technology
James Magill	Executive General Manager, Origin Zero
Sharon Ridgway	Executive General Manager, People and Culture
Samantha Stevens	Executive General Manager, Corporate Affairs
Andrew Thornton	Executive General Manager, Integrated Gas
Lawrie Tremaine	Chief Financial Officer

5.7 Historical financial information

a) Basis of preparation

This section 5.7 sets out a summary of historical financial information in relation to Origin for the purpose of this Scheme Booklet. The financial information has been derived from Origin's financial statements and Operating and Financial Review for the financial years ended 30 June 2021, 30 June 2022 and 30 June 2023. The financial statements were audited by Ernst & Young.

The historical financial information of Origin presented in this Scheme Booklet is in an abbreviated form and does not contain all the disclosures, presentations, statements or comparatives that are usually provided in an annual report prepared in accordance with the Corporations Act 2001. Origin considers that, for the purposes of this Scheme Booklet, the historical financial information presented in an abbreviated form is appropriate.

Further detail on Origin's financial performance can be found in:

- the financial statements for the year ended 30 June 2023 (included in the Annual Report released to the ASX on 17 August 2023);
- the financial statements for the year ended 30 June 2022 including prior year restatements for the year ended 30 June 2021 (included in the Annual Report released to the ASX on 18 August 2022); and
- the financial statements for the year ended 30 June 2021 (included in the Annual Report released to the ASX on 17 September 2021),

each of which can be found on Origin's website (https://www.originenergy.com.au) or the ASX website (www.asx.com.au).



b) Historical Consolidated Income Statement

	Restated		0000
Statutory Results	2021 \$m	2022 \$m	2023 \$m
Revenue	12,097	14,461	16,481
Other income	43	150	45
Expenses	(14,158)	(16,315)	(16,229)
Results of equity accounted investees	185	959	1,324
Interest income	109	61	51
Interest expense	(242)	(190)	(194)
Profit/(loss) before income tax	(1,966)	(874)	1,478
Income tax expense	(313)	(551)	(420)
Profit/(loss) for the year	(2,279)	(1,425)	1,058
Profit/(loss) for the year attributable to:			
Members of the parent entity	(2,281)	(1,429)	1,055
Non-controlling interests	2	4	3
Profit/(loss) for the year	(2,279)	(1,425)	1,058

c) Historical Consolidated Statement of Financial Position

2021 Sm 2022 Sm 2022 Sm 2022 Sm 2022 Sm Cash and cash equivalents 472 620 463 Tade and other receivables 2.298 3.371 2.548 Inventories 13 182 180 Derivatives 769 3.174 1.100 Other financial assets 503 860 467 Assets classified as held for sale - - 101 Income tax receivable 7 - - Other assets 121 90 120 Tade and other receivables 14 45 60 Derivatives 366 3.075 1.576 Other financial assets 1.465 2.425 3.169 Investments accounted for using the equity method 6.939 6.245 6.255 Property, plant and equipment 3.291 3.255 3.169 Total assets 2.402 18,948 2.102 Investments accounted for using the equity method 6.939 6.242 2.493		Restated		
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Non-current assets 14 45 60 Trade and other receivables 366 3,075 1,576 Other financial assets 1,465 243 341 Investments accounted for using the equity method 6,939 6,245 6,255 Property, Plant and equipment 3,291 3,255 3,169 Exploration and evaluation assets 245 286 - Intangible assets 24,5 2,86 - Intangible assets 2,407 1,723 13,969 Total non-current assets 17,025 15,723 13,969 Trade and other payables 2,407 3,485 2,152 Payables to joint ventures 169 131 136 Interest-bearing liabilities 2,004 316 192 Derivatives 741 1,590 901 Other financial liabilities 344 727 418 Interest-bearing liabilities 2,31 242 277 Provision for income tax - 59 455	Total current assets	4,283	8,297	4,979
Trade and other receivables 14 45 60 Derivatives 366 3.075 1.576 Other financial assets 1.465 2.43 3.41 Investments accounted for using the equity method 6.939 6.245 6.255 Property, plant and equipment 3.291 3.255 3.169 Exploration and evaluation assets 2.45 2.86 Intangible assets 4.658 2.523 2.493 Other assets 4.7 51 .752 Total non-current assets 17.025 15.723 13.969 Total assets 2.4007 3.485 2.152 Payables to joint ventures 169 131 136 Interest-bearing liabilities 2.004 316 192 Derivatives 741 1.590 901 Other financial liabilities 344 727 418 Provision for income tax - 59 455 Employee benefits 231 242 277 Provision for	Non-current assets			
Derivatives 366 3,075 1,576 Other financial assets 1,465 243 3,411 Investments accounted for using the equity method 6,939 6,245 6,255 Property, plant and equipment 3,291 3,255 3,169 Exploration and evaluation assets 245 286 Intangible assets 245 286 Intangible assets 247 51 75 Total non-current assets 17,025 15,723 13,969 Total assets 24,007 3,485 2,152 Payables to joint ventures 169 131 136 Interest-bearing liabilities 2,004 316 192 Derivatives 741 1,550 901 Other financial liabilities 344 727 418 Provision for income tax - 59 455 Employee benefits 231 242 277 Provision for income tax - - 15 Interest-bearing liabili	Trade and other receivables	14	45	60
Other financial assets 1,465 243 341 Investments accounted for using the equity method 6,939 6,245 6,255 Property, plant and equipment 3,291 3,255 3,169 Exploration and evaluation assets 245 2266 - Intangible assets 4,658 2,523 2,493 Other assets 47 51 75 Total non-current assets 17,025 15,723 13,969 Total assets 21,308 24,020 18,948 Current liabilities 2,407 3,485 2,152 Payables to joint ventures 169 131 136 Interest-bearing liabilities 2,004 316 192 Derivatives 741 1,590 901 Other financial liabilities 344 727 418 Provision for income tax - 59 455 Employee benefits 231 242 277 Provisions 3,378 2292 115 Itabilities	Derivatives	366	3.075	1.576
Investments accounted for using the equity method 6,939 6,245 6,255 Property, plant and equipment 3,291 3,255 3,169 Intrangible assets 245 286 - Intrangible assets 4,658 2,523 2,493 Other assets 47 51 755 Total non-current assets 17,025 15,723 13,969 Other assets 21,308 24,020 18,948 Current liabilities 2,407 3,485 2,152 Payables to joint ventures 169 131 136 Interest-bearing liabilities 2,004 316 192 Derivatives 741 1,590 901 Other financial liabilities 344 727 418 Provision for income tax - 59 455 Employee benefits 231 242 277 Provisions 43 378 229 Liabilities 15 - 15 Total current liabilities 3,224	Other financial assets	1.465	243	341
Property, plant and equipment 3,291 3,255 3,169 Exploration and evaluation assets 245 286 Intangible assets 4,658 2,523 2,493 Other assets 47 51 75 Total non-current assets 17,025 15,723 13,969 Total assets 21,308 24,020 18,948 Current liabilities 21,008 24,020 18,948 Current liabilities 2,004 316 192 Derivatives 169 131 136 Interest-bearing liabilities 2,004 316 192 Derivatives 741 1,590 901 Other financial liabilities 344 727 418 Provision for income tax - 59 455 Employee benefits 231 242 277 Provisions 43 378 229 Liabilities 13,939 6,928 4,775 Non-current liabilities 3,224 3,074	Investments accounted for using the equity method	6.939	6.245	6.255
Exploration and evaluation assets 245 286 - Intangible assets 4,658 2,523 2,493 Other assets 47 51 75 Total non-current assets 17,025 15,723 13,969 Total assets 21,308 24,020 18,948 Current liabilities 2,407 3,485 2,152 Payables to joint ventures 169 131 136 Interest-bearing liabilities 2,004 316 192 Derivatives 741 1,590 901 Other financial liabilities 2,004 316 192 Derivatives 741 1,590 901 Other financial liabilities 2,004 316 192 Provision for income tax - 59 455 Employee benefits 231 242 277 Provisions 43 378 229 Interest-bearing liabilities 5,939 6,928 4,775 Non-current liabilities 5,939	Property, plant and equipment	3.291	3.255	3.169
Intangible assets 4,658 2,523 2,493 Other assets 4,7 51 75 Total non-current assets 17,025 15,723 13,969 Total assets 21,308 24,020 18,948 Current liabilities 2,407 3,485 2,152 Payables to joint ventures 169 131 136 Interest-bearing liabilities 2,004 316 192 Derivatives 741 1,590 901 Other financial liabilities 344 727 418 Provision for income tax - 59 455 Employee benefits 231 242 277 Provision for income tax - 15 15 Total current liabilities 5,939 6,928 4,775 Non-current liabilities 3,224 3,074 3,066 Derivatives 3,224 3,074 3,066 Derivatives 1,395 1,744 1,174 Other financial liabilities 3,6 <	Exploration and evaluation assets	245	286	
Interse Interse <t< td=""><td>Intangible assets</td><td>4 658</td><td>2 523</td><td>2 4 9 3</td></t<>	Intangible assets	4 658	2 523	2 4 9 3
Total non-current assets 17,025 15,723 13,969 Total ano-current liabilities 21,308 24,020 18,948 Current liabilities 169 131 136 Interest-bearing liabilities 2,004 316 192 Derivatives 169 131 136 Interest-bearing liabilities 2,004 316 192 Derivatives 741 1,590 901 Other financial liabilities 741 1,590 901 Other financial liabilities 2407 418 727 418 Provision for income tax - 59 455 43 378 229 Liabilities classified as held for sale - - 15 704 1575 Non-current liabilities 3,224 3,074 3,066 37 50 Derivatives 1,355 1,359 386 36 37 50 Provisions 1,219 856 5865 566 566 566 566	Other assets	47	51	75
Total assets 21,308 24,020 18,948 Current liabilities 2,407 3,485 2,152 Payables to joint ventures 169 131 136 Interest-bearing liabilities 2,004 316 192 Derivatives 741 1,590 901 Other financial liabilities 344 727 418 Provision for income tax - 59 455 Employee benefits 231 242 277 Provisions 43 378 229 Liabilities classified as held for sale - - 15 Total current liabilities 5,939 6,928 4,775 Non-current liabilities 3,224 3,074 3,066 Derivatives 1,395 1,744 1,174 Other financial liabilities 5 1,359 386 Employee benefits 36 37 50 Deferred tax liabilities 5 1,359 386 Employee benefits 36 37<	Total non-current assets	17.025	15.723	13.969
Duration 1,000 1,000 1,000 Current liabilities 2,407 3,485 2,152 Payables to joint ventures 169 131 136 Interest-bearing liabilities 2,004 316 192 Derivatives 741 1,590 901 Other financial liabilities 344 727 418 Provision for income tax - 59 455 Employee benefits 231 242 277 Provisions 43 378 229 Liabilities classified as held for sale - - 15 Total current liabilities - - 15 Interst-bearing liabilities 3,224 3,074 3,066 Derivatives 1,395 1,744 1,174 Other financial liabilities 5 1,359 386 Employee benefits 5 1,359 386 Employee benefits 5 1,219 856 586 Total non-current liabilities 1,219 <td>Total assets</td> <td>21.308</td> <td>24.020</td> <td>18,948</td>	Total assets	21.308	24.020	18,948
Trade and other payables 2,407 3,485 2,152 Payables to joint ventures 169 131 136 Interest-bearing liabilities 2,004 316 192 Derivatives 741 1,590 901 Other financial liabilities 344 727 418 Provision for income tax - 59 455 Employee benefits 231 242 277 Provisions 43 378 229 Iabilities classified as held for sale - - 15 Total current liabilities 5,939 6,928 4,775 Non-current liabilities 3,224 3,074 3,066 Derivatives 3,224 3,074 3,066 Derivatives 1,55 - - Other financial liabilities 5 1,359 386 Employee benefits 5 1,359 386 Employee benefits 5 1,359 386 Employee benefits 5,884 7,070	Current liabilities	,	,•_•	,
Payables to joint ventures 169 131 136 Interest-bearing liabilities 2,004 316 192 Derivatives 741 1,590 901 Other financial liabilities 344 727 418 Provision for income tax - 59 455 Employee benefits 231 242 277 Provisions 43 378 229 Liabilities classified as held for sale - - 15 Total current liabilities 5,939 6,928 4,775 Non-current liabilities 3,224 3,074 3,066 Derivatives 1,395 1,744 1,174 Other financial liabilities 3 375 366 Derivatives 1,395 1,744 1,174 Other financial liabilities 5 1,359 386 Employee benefits 36 37 50 Provisions 1,219 856 586 Total non-current liabilities 5,894 7,07	Trade and other pavables	2.407	3.485	2,152
Interest-bearing liabilities 2,004 316 192 Derivatives 741 1,590 901 Other financial liabilities 344 727 418 Provision for income tax - 59 455 Employee benefits 231 242 277 Provisions 43 378 229 Liabilities classified as held for sale - - 15 Total current liabilities - - 15 Non-current liabilities 3,224 3,074 3,066 Derivatives 1,395 1,744 1,174 Other financial liabilities 15 - - Defored tax liabilities 5 1,359 386 Employee benefits 36 37 50 Provisions 1,219 856 586 Total non-current liabilities 1,833 13,998 10,037 Net assets 9,475 10,022 8,911 Equity 7,138 6,877 6,901	Pavables to joint ventures	169	131	136
Interviews 741 1,590 901 Other financial liabilities 344 727 418 Provision for income tax - 59 455 Employee benefits 231 242 277 Provisions 43 378 229 Liabilities classified as held for sale - - 155 Total current liabilities 5,939 6,928 4,775 Non-current liabilities 3,224 3,074 3,066 Derivatives 1,395 1,744 1,174 Other financial liabilities 5 1,359 386 Employee benefits 36 37 50 Provisions 1,219 856 586 Total non-current liabilities 1,833 13,998 10,037 Net assets 9,475 10,022 8,911 Equity 7,138 6,877 6,901 Reserves 525 3,109 1,492 Retained earnings 1,792 11 498 <td>Interest-bearing liabilities</td> <td>2.004</td> <td>316</td> <td>192</td>	Interest-bearing liabilities	2.004	316	192
Other financial liabilities 344 727 418 Provision for income tax - 59 455 Employee benefits 231 242 277 Provisions 43 378 229 Liabilities classified as held for sale - - 15 Total current liabilities 5,939 6,928 4,775 Non-current liabilities 3,224 3,074 3,066 Derivatives 1,395 1,744 1,174 Other financial liabilities 15 - - Deferred tax liabilities 5 1,359 386 Employee benefits 5 1,359 386 Employee benefits 5 1,359 386 Employee benefits 36 37 50 Provisions 1,219 856 586 Total non-current liabilities 1,833 13,998 10,037 Total sests 9,475 10,022 8,911 Contributed equity 7,138 6,877	Derivatives	741	1,590	901
Provision for income tax - 59 455 Employee benefits 231 242 277 Provisions 43 378 229 Liabilities classified as held for sale - - 15 Total current liabilities 5,939 6,928 4,775 Non-current liabilities 3,224 3,074 3,066 Derivatives 1,395 1,744 1,174 Other financial liabilities 15 - - Deferred tax liabilities 5 1,359 386 Employee benefits 5 1,359 386 Employee benefits 36 37 50 Provisions 1,219 856 586 Total non-current liabilities 1,219 856 586 Total non-current liabilities 11,833 13,998 10,037 Provisions 1,219 856 586 Total liabilities 11,833 13,998 10,037 Ret assets 9,475 10,022	Other financial liabilities	344	727	418
Instrum Construction Construction	Provision for income tax	-	59	455
Enclose Enclose <t< td=""><td>Employee benefits</td><td>231</td><td>242</td><td>277</td></t<>	Employee benefits	231	242	277
Interview - - 15 Total current liabilities 5,939 6,928 4,775 Non-current liabilities 3,224 3,074 3,066 Derivatives 1,395 1,744 1,174 Other financial liabilities 15 - - Deferred tax liabilities 15 - - Deferred tax liabilities 5 1,359 386 Employee benefits 5 1,359 386 Employee benefits 36 37 50 Provisions 1,219 856 586 Total non-current liabilities 5,894 7,070 5,262 Total liabilities 11,833 13,998 10,037 Net assets 9,475 10,022 8,911 Equity 7,138 6,877 6,901 Reserves 525 3,109 1,492 Retained earnings 1,792 11 498 Total parent entity interest 9,455 9,997 8,891	Provisions	43	378	229
Total current liabilities 5,939 6,928 4,775 Non-current liabilities 3,224 3,074 3,066 Derivatives 1,395 1,744 1,174 Other financial liabilities 15 - - Deferred tax liabilities 5 1,359 386 Employee benefits 5 1,359 386 Employee benefits 36 37 50 Provisions 1,219 856 586 Total non-current liabilities 5,894 7,070 5,262 Total non-current liabilities 11,833 13,998 10,037 Net assets 9,475 10,022 8,911 Equity 7,138 6,877 6,901 Reserves 525 3,109 1,492 Retained earnings 1,792 11 498 Total parent entity interest 9,455 9,997 8,891 Non-controlling interests 20 25 20 Total equity 9,475 10,022	l jabilities classified as held for sale	-	-	15
Non-current liabilities 3,224 3,074 3,066 Derivatives 1,395 1,744 1,174 Other financial liabilities 15 - - Deferred tax liabilities 5 1,359 386 Employee benefits 5 1,359 386 Frovisions 36 37 50 Total non-current liabilities 5,894 7,070 5,262 Total non-current liabilities 11,833 13,998 10,037 Net assets 9,475 10,022 8,911 Equity 7,138 6,877 6,901 Reserves 525 3,109 1,492 Retained earnings 1,792 11 498 Total parent entity interest 9,455 9,997 8,891 Non-controlling interests 20 25 20 Total equity 9,475 10,022 8,911	Total current liabilities	5,939	6.928	4,775
Interest-bearing liabilities 3,224 3,074 3,066 Derivatives 1,395 1,744 1,174 Other financial liabilities 15 - - Deferred tax liabilities 5 1,359 386 Employee benefits 36 37 50 Provisions 1,219 856 586 Total non-current liabilities 5,894 7,070 5,262 Total liabilities 11,833 13,998 10,037 Net assets 9,475 10,022 8,911 Equity 7,138 6,877 6,901 Reserves 525 3,109 1,492 Retained earnings 1,792 11 498 Total parent entity interest 9,455 9,997 8,891 Non-controlling interests 20 25 20 Total equity 9,475 10,022 8,911	Non-current liabilities	0,505	0,520	1,770
Initial control 0,021 0,021 0,021 0,021 0,021 Derivatives 1,395 1,744 1,174 Other financial liabilities 15 - - Deferred tax liabilities 5 1,359 386 Employee benefits 36 37 50 Provisions 1,219 856 586 Total non-current liabilities 5,894 7,070 5,262 Total non-current liabilities 11,833 13,998 10,037 Net assets 9,475 10,022 8,911 Equity 7,138 6,877 6,901 Reserves 525 3,109 1,492 Retained earnings 1,792 11 498 Total parent entity interest 9,455 9,997 8,891 Non-controlling interests 20 25 20 Total equity 9,475 10.022 8,911	Interest-bearing liabilities	3 224	3 074	3 066
Other financial liabilities 1,011 1,011 Other financial liabilities 15 - - Deferred tax liabilities 5 1,359 386 Employee benefits 36 37 50 Provisions 1,219 856 586 Total non-current liabilities 5,894 7,070 5,262 Total liabilities 11,833 13,998 10,037 Net assets 9,475 10,022 8,911 Equity 7,138 6,877 6,901 Reserves 525 3,109 1,492 Retained earnings 1,792 11 498 Total parent entity interest 9,455 9,997 8,891 Non-controlling interests 20 25 20 Total equity 9,475 10.022 8,911	Derivatives	1,395	1 744	1 174
Deferred tax liabilities 5 1,359 386 Employee benefits 36 37 50 Provisions 1,219 856 586 Total non-current liabilities 5,894 7,070 5,262 Total liabilities 11,833 13,998 10,037 Net assets 9,475 10,022 8,911 Equity 7,138 6,877 6,901 Reserves 525 3,109 1,492 Retained earnings 1,792 11 498 Total parent entity interest 9,455 9,997 8,891 Non-controlling interests 20 25 20 Total equity 9,475 10,022 8,911	Other financial liabilities	15		-
Employee benefits 36 37 500 Provisions 1,219 856 586 Total non-current liabilities 5,894 7,070 5,262 Total liabilities 11,833 13,998 10,037 Net assets 9,475 10,022 8,911 Equity 7,138 6,877 6,901 Reserves 525 3,109 1,492 Retained earnings 1,792 11 498 Total parent entity interest 9,455 9,997 8,891 Non-controlling interests 20 25 20 Total equity 9,475 10,022 8,911	Deferred tax liabilities	5	1359	386
Provisions 1,219 856 586 Total non-current liabilities 5,894 7,070 5,262 Total liabilities 11,833 13,998 10,037 Net assets 9,475 10,022 8,911 Equity 7,138 6,877 6,901 Reserves 525 3,109 1,492 Retained earnings 1,792 11 498 Total parent entity interest 9,455 9,997 8,891 Non-controlling interests 20 25 20 Total equity 9,475 10.022 8,911	Employee benefits	36	37	50
Total non-current liabilities 5,894 7,070 5,262 Total liabilities 11,833 13,998 10,037 Net assets 9,475 10,022 8,911 Equity 7,138 6,877 6,901 Reserves 525 3,109 1,492 Retained earnings 1,792 11 498 Total parent entity interest 9,455 9,997 8,891 Non-controlling interests 20 25 20 Total equity 9,475 10,022 8,911	Provisions	1 219	856	586
Total liabilities 1,833 13,998 10,037 Net assets 9,475 10,022 8,911 Equity 7,138 6,877 6,901 Reserves 525 3,109 1,492 Retained earnings 1,792 11 498 Total parent entity interest 9,455 9,997 8,891 Non-controlling interests 20 25 20 Total equity 9,475 10.022 8.911	Total non-current liabilities	5.894	7,070	5.262
Net assets 9,475 10,022 8,911 Equity 7,138 6,877 6,901 Reserves 525 3,109 1,492 Retained earnings 1,792 11 498 Total parent entity interest 9,455 9,997 8,891 Non-controlling interests 20 25 20 Total equity 9,475 10.022 8,911	Total liabilities	11,833	13,998	10.037
Equity 7,138 6,877 6,901 Reserves 525 3,109 1,492 Retained earnings 1,792 11 498 Total parent entity interest 9,455 9,997 8,891 Non-controlling interests 20 25 20 Total equity 9,475 10.022 8,911	Net assets	9 475	10,022	8 911
Contributed equity 7,138 6,877 6,901 Reserves 525 3,109 1,492 Retained earnings 1,792 11 498 Total parent entity interest 9,455 9,997 8,891 Non-controlling interests 20 25 20 Total equity 9,475 10.022 8,911	Fauity		10,022	0,511
Reserves 525 3,109 1,492 Retained earnings 1,792 11 498 Total parent entity interest 9,455 9,997 8,891 Non-controlling interests 20 25 20 Total equity 9,475 10.022 8,911	Contributed equity	7138	6 877	6 901
Retained earnings 1,792 11 498 Total parent entity interest 9,455 9,997 8,891 Non-controlling interests 20 25 20 Total equity 9,475 10.022 8,911	Reserves	525	3 109	1 4 9 2
Total parent entity interest 9,455 9,997 8,891 Non-controlling interests 20 25 20 Total equity 9.475 10.022 8.911	Retained earnings	1 792	11	1,492 298
Non-controlling interests 20 25 20 Total equity 9.475 10.022 8.911	Total parent entity interest	9.455	9,997	8,891
Total equity 9.475 10.022 8.911	Non-controlling interests	20	25	20
	Total equity	9.475	10.022	8.911

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d) Historical Consolidated Statement of Cash Flows

	2021 \$m	2022 \$m	2023 \$m
Cash flows from operating activities			
Receipts from customers	12,954	14,663	18,972
Payments to suppliers and employees	(12,021)	(14,105)	(19,596)
Government grants received	-	-	184
Cash (used in)/from operations	933	558	(440)
Income tax (paid)/received, net of refunds received	31	(27)	(193)
Net cash (used in)/from operating activities	964	531	(633)
Cash flows from investing activities			
Acquisition of property, plant and equipment	(124)	(162)	(372)
Acquisition of exploration and evaluation assets	(47)	(65)	(11)
Acquisition of other assets	(168)	(109)	(92)
Investment in Octopus Energy	_	(268)	(173)
Acquisition of other investments	(161)	(124)	(32)
Interest received from other parties	3	2	43
Net proceeds from sale of non-current assets	7	6	72
Australia Pacific LNG (APLNG) investing cash flows			
Divestment of ten per cent share in APLNG	-	1,957	-
Receipt of Mandatorily Redeemable Cumulative Preference Shares (MRCPS) interest	110	50	-
Receipt of unfranked dividends	-	433	1,783
Proceeds from APLNG buy-back of MRCPS	599	1,112	_
Net cash from investing activities	219	2,832	1,218
Cash flows from financing activities			
Proceeds from borrowings	-	2,896	1,050
Repayment of borrowings	(1,042)	(4,752)	(1,265)
Joint venture operator cash call movements	(90)	(70)	66
Settlement of foreign currency contracts	(65)	(46)	(48)
Australian Energy Market Operator (AEMO) cash deposits	-	(290)	290
Interest paid	(234)	(191)	(163)
Repayment of lease principal	(76)	(73)	(71)
Dividends paid to shareholders of Origin Energy Ltd, net of Dividend Reinvestment Plan (DRP)	(341)	(313)	(568)
Dividends paid to non-controlling interests	(2)	(1)	(8)
Repayment of Debt Service Reserve Account (DSRA) loan to equity accounted investees	(3)	(51)	-
Buy back of shares on-market	-	(250)	-
Purchase of shares on-market (treasury shares)	(96)	(75)	(4)
Net cash used in financing activities	(1,949)	(3,216)	(721)
Net (decrease)/increase in cash and cash equivalents	(766)	147	(136)
Cash and cash equivalents at the beginning of the year	1,240	472	620
Effect of exchange rate changes on cash	(2)	1	(1)
Cash and cash equivalents held for sale at the end of the year	-	-	(20)
Cash and cash equivalents at the end of the year	472	620	463

e) Underlying financials

Underlying EBITDA and EBIT as included in the table below are non-statutory (non-IFRS) measures. The objective of this underlying financial information is to provide a more meaningful and consistent representation of financial performance by removing items that distort performance or are non-recurring in nature. These items are determined after consideration of the nature of the item, the significance of the amount and the consistency in treatment from period to period. A reconciliation and description of the items that contribute to the difference between Statutory Profit and Underlying Profit is provided in the Operating and Financial Review in Section 5.1 for the financial years ended 30 June 2022 and 30 June 2023 and Section 4.1 for the financial year ended 30 June 2021.

Further detail regarding the nature of the items excluded from underlying EBITDA and EBIT is set out in Origin's financial statements (note A1) and Operating and Financial Review in Section 5 for the financial years ended 30 June 2022 and 30 June 2023 and Section 4 for the financial year ended 30 June 2021.

	Restated 2021 \$m	2022 \$m	2023 \$m
Energy Markets	982	401	1,038
Share of Octopus Energy	(3)	(36)	240
Integrated Gas – Share of APLNG	1,145	2,134	2,246
Integrated Gas - Other	(10)	(297)	(327)
Corporate	(78)	(88)	(90)
Underlying EBITDA	2,036	2,114	3,107
Underlying depreciation and amortisation (D&A)	(541)	(449)	(527)
Underlying share of ITDA of equity accounted investees	(956)	(1,138)	(1,163)
Underlying EBIT	539	527	1,417

In FY2023, Origin's Energy Markets business' Underlying EBITDA increased by \$637 million to \$1,038 million.

Energy Markets benefited in FY2023 as the extreme market conditions of FY2022 eased, and the higher wholesale cost of energy flowed into customer tariffs. Origin's retail business performed strongly in FY2023 – through increased customer numbers, and recorded significant growth in the Community Energy Services business. All mass market electricity and natural gas customers have been successfully migrated to the Kraken platform. Origin continues to focus on growing its portfolio of renewables and cleaner energy projects, commencing early works on the first stage of the Eraring battery and progressing other renewable and storage projects, and growing the Origin Zero business.

Australia Pacific LNG continued to deliver strong cash flow in challenging operating conditions with the three year La Niña weather cycle restricting access to well sites during H1 FY2023 due to wet weather and ground conditions, affecting production. Australia Pacific LNG benefited from higher realised global oil and LNG prices across FY2023 and a rebound in production in 2H FY2023 following drier weather.

Origin's share of Octopus Energy EBITDA increased to \$240 million in FY2023, reflecting an increase in customer accounts and the lag in reset of regulated tariffs in the UK retail business. The result includes a six-month contribution from Bulb Energy earnings following the December 2022 acquisition, which added ~2.5 million customer accounts.

5.8 Material changes in financial position (since 30 June 2023)

So far as the Origin Directors are aware, there have been no material changes to the financial position of Origin and the Origin Group since 30 June 2023.

5. Information about Origin continued

5.9 Equity Capital structure

As at the Last Practicable Date, the equity capital structure of Origin was:

Type of security	Number on issue
Origin Shares	1,722,747,671
Origin Equity Incentives	2,455,873 Performance Share Rights
	3,114,057 Restricted Share Rights
	306,830 Matching Share Rights

Additional details about Origin Equity Incentives are set out in section 9.2.

5.10 Substantial holders of Origin Shares

As extracted from filings released on the ASX on or before the Last Practicable Date, the following persons were substantial holders of Origin Shares:

Substantial holder	Number of Origin Shares	Voting power in Origin ¹
AustralianSuper Pty Ltd	235,588,746	13.68%
Vanguard Group	88,061,736	5.00%
1. Rounded to 2 decimal places.		

5.11 Origin Share price history

Origin Shares are listed on the ASX under the trading symbol 'ORG'.

On 10 November 2022, Origin announced its receipt of a non-binding indicative proposal from the Consortium to acquire 100 per cent of the Shares of Origin. The closing price of Origin Shares on 9 November 2022 (being the last trading day prior to the announcement of the non-binding indicative proposal) was \$5.81 per Origin Share.

On 27 March 2023, Origin announced that it had entered into a Scheme Implementation Deed with Bidder and Brookfield Renewable Group Australia Pty Ltd under which Bidder will acquire 100 per cent of the issued shares of Origin by way of a scheme of arrangement. The closing price of Origin Shares on 27 March 2023 (being the last trading day prior to the announcement of the Scheme) was \$8.17 per Origin Share.



The chart above shows the closing Origin Share price during the 24 months ended 10 October 2023 (being the Last Practicable Date).

Up to and including the Last Practicable Date:

- the last recorded Origin Share price on 10 October 2023 was \$9.21;
- the 30-day VWAP of Origin Shares was \$8.75;
- the 90-day VWAP of Origin Shares was \$8.59; and
- the lowest and highest closing Origin Share prices during the preceding twenty four months was \$4.78 and \$9.21, respectively.

5.12 Publicly available information about Origin

Origin is a listed disclosing entity for the purpose of the Corporations Act and as such is subject to regular reporting and disclosure obligations. Specifically, as a company listed on ASX, Origin is subject to Listing Rules which require (subject to some exceptions) continuous disclosure of any information that Origin has that a reasonable person would expect to have a material effect on the price or value of Origin Shares.

ASX maintains files containing publicly disclosed information about all entities listed on ASX. Information disclosed to ASX by Origin is available on ASX's website at www.asx.com.au.

In addition, Origin is required to lodge various documents with ASIC. Copies of documents lodged with ASIC by Origin may be obtained from an ASIC office.

Origin Shareholders may obtain a copy of Origin's 2023 Annual Report from ASX's website (www.asx.com.au), from Origin's website (https://www.originenergy.com.au) or by calling the Origin Shareholder Information Line on 1300 540 303 (within Australia) or (+61 2) 9066 4083 (outside Australia), between 8.30am and 5.30pm (Sydney time), Monday to Friday (excluding public holidays).

6. Information about Bidder and Brookfield

This section 6 has been prepared by Bidder and Brookfield LP. The information concerning Bidder and its intentions, views and opinions contained in this section 6 are the responsibility of Bidder. The information concerning Brookfield LP, the BGTF Consortium and their intentions, views and opinions contained in this section 6 are the responsibility of Brookfield LP. Origin and its officers and advisers do not assume any responsibility for the accuracy or completeness of this information.

This section 6 is intended to provide additional information on Bidder and the BGTF Consortium and it contains:

- a) Introduction to Bidder, the BGTF Consortium and the Proposed Transactions (as defined in section 6.1 below);
- b) Overview of Bidder;
- c) Bidder's intentions following Implementation of the Scheme;
- d) Overview of the BGTF Consortium;
- e) BGTF Consortium's intentions following completion of the Sale Transaction; and
- f) Interests in Origin Shares.

6.1 Introduction

On 27 March 2023, Origin, Brookfield Renewable Group Australia Pty Ltd and Bidder entered into the Scheme Implementation Deed, which governs the conduct of the Scheme. The Scheme Implementation Deed contemplates that Bidder, an indirectly wholly owned subsidiary of MidOcean Energy, LLC, which is managed by EIG, will acquire Origin (which will hold the MidOcean IG Business) and that a Brookfield-led consortium of investors, the BGTF Consortium, will acquire the Brookfield EM Business from Origin, subject to Implementation of the Scheme.

EIG is a US-headquartered investment firm and a leading institutional investor to the global energy sector.

The investors of the Brookfield-led consortium that will acquire the Brookfield EM Business currently comprise the Brookfield Global Transition Fund I (**BGTF**), Brookfield Renewable Partners L.P. (**BEP**) and syndicate of passive institutional investors to be managed or advised by Brookfield (collectively, the **Brookfield Managed Co-Investors**), together with their institutional partners, Buckland Investment Pte. Ltd. (**Buckland Investment**) (an indirectly whollyowned subsidiary of GIC (Ventures) Pte. Ltd.) and Davis Investments Pte. Ltd. (**Davis Investments**) (an indirect whollyowned subsidiary of Temasek Holdings (Private) Limited (**Temasek**)) (collectively, the **BGTF Consortium**).

Brookfield is a leading global asset manager with over US\$850 billion assets under management. Its operations involve 200,000 employees across over 30 countries. The BGTF Consortium will invest in a limited partnership, Brookfield LP, which will be managed by its general partner, Brookfield GP.

The key steps in the above-mentioned acquisition of Origin and the MidOcean IG Business and the acquisition of the Brookfield EM Business are as follows.

Transaction abbreviation	Transaction overview
Scheme Transaction	Bidder, an Australian proprietary company, currently an indirectly held wholly-owned subsidiary of MidOcean Energy, LLC, which is managed by EIG will acquire 100% of the Origin Shares from Origin Shareholders pursuant to the Scheme.
Internal Restructure	Prior to completion of the Sale Transaction described below, the shares of various Origin subsidiaries and certain Origin assets will be re-organised, with the result that the Origin Group is divided into two separate businesses being the MidOcean IG Business and the Brookfield EM Business.
Sale Transaction	Subject to and following completion of the Internal Restructure, the securities of various Origin subsidiaries and trusts and certain Origin assets which collectively comprise the Brookfield EM Business will be transferred to various Australian entities which are wholly-owned (directly or indirectly) by Brookfield LP.

Bidder has requested that documentation giving effect to the Internal Restructure and the Sale Transaction be entered into by the relevant parties shortly before the implementation of the Scheme Transaction and has requested that consideration payable in respect of the Internal Restructure and Sale Transaction be paid prior to Implementation. Bidder has also requested that steps to complete the Internal Restructure and the Sale Transaction commence prior to implementation of the Scheme Transaction. If the Sale Transaction is entered into before Implementation, the Scheme Transaction being implemented will be a condition precedent to the formation of the contract for the Sale Transaction. If the conditions precedent to implementation of the Scheme are not satisfied, neither the Scheme Transaction nor the Sale Transaction will occur.

For the purposes of this section 6, the Scheme Transaction, the Internal Restructure and the Sale Transaction are collectively referred to as the **Proposed Transactions**.

As a result of the Proposed Transactions, it is intended that Bidder will own 100 per cent of the MidOcean IG Business via its ownership of 100 per cent of the shares in Origin and entities owned by Brookfield LP will own 100 per cent of the Brookfield EM Business. However, Bidder intends to immediately sell 2.49 per cent of Origin's 27.5 per cent shareholding in Australia Pacific LNG (resulting in Origin having a 25.01 per cent shareholding) to current 47.5 per cent Australia Pacific LNG shareholder ConocoPhillips.

Bidder notes that ConocoPhillips has also indicated its intention to assume the roles of Australia Pacific LNG upstream operator, corporate services provider and CSG marketing agent. Bidder is supportive of ConocoPhillips' intentions and is working collaboratively to ensure a safe and smooth transfer of these roles. This is separate to and is not contingent on the sale of a 2.49 per cent shareholding in Australia Pacific LNG to ConocoPhillips but is subject to the Scheme being Implemented.

The upstream corporate structure of each of Bidder and Brookfield LP may be adjusted to cater for the parties' respective equity funding requirements, including that upstream investors may hold their interests through one or more investment vehicles, though as at the Last Practicable Date, the intended structure is as set out in this section 6.

6.2 Overview of Bidder

a) Introduction

Bidder is an Australian proprietary company incorporated on 22 February 2023, which is currently an indirectly held wholly-owned subsidiary of MidOcean Energy, LLC, which is managed by EIG.

Bidder was incorporated for the purpose of acquiring the Scheme Shares, and as such, it currently holds no assets of its own.

If the Scheme becomes Effective and is implemented, Bidder will acquire all Scheme Shares on the Implementation Date.

b) EIG

EIG is a Delaware limited liability company and a US-headquartered investment firm. EIG is a leading institutional investor to the global energy sector specialising in private investments in energy and energy-related infrastructure on a global basis. As at 30 June 2023 it had US\$22.9 billion in funds under management. During its 41-year history, EIG has committed US\$45.0 billion to the energy sector through over 400 projects or companies in 42 countries on six continents. EIG's clients include many of the leading pension plans, insurance companies, endowments, foundations and sovereign wealth funds in the US, Asia and Europe.

EIG is headquartered in Washington, DC and operates from offices in Houston, London, Sydney, Hong Kong, Rio de Janeiro and Seoul.

Further information on EIG can be found at www.eigpartners.com.

c) MidOcean Energy

On 28 June 2022, EIG announced the formation of MidOcean Energy, an EIG-managed LNG company seeking to create a diversified pure play integrated portfolio of high-quality operating LNG projects. EIG also announced the hiring of De la Rey Venter as CEO of MidOcean. Mr Venter, a 25-year industry veteran, most recently served as EVP of Integrated Gas Ventures and Global Head of LNG for Royal Dutch Shell. MidOcean Energy currently does not own any assets in Australia. On 7 October 2022, EIG announced that MidOcean Energy had entered into definitive documentation to acquire interests in a portfolio of LNG projects from Australian subsidiaries of Tokyo Gas Co., Ltd (**Tokyo Gas**) for US\$2.15 billion. This transaction remains subject to regulatory approvals and other customary conditions, and the potential exercise of pre-emptive/buy-out rights. MidOcean Energy intends to employ a team of people in Australia and to open offices in Brisbane and Perth in connection with the proposed ownership of Origin and the MidOcean IG Business and the assets to be acquired from Tokyo Gas.

6. Information about Bidder and Brookfield continued

MidOcean Energy and EIG believe that LNG will be a critical enabler of the energy transition and is of growing importance as a geopolitically strategic energy source. MidOcean Energy is seeking to build a diversified, resilient, cost competitive and carbon competitive LNG portfolio. The acquisition of Origin and the MidOcean IG Business, including in particular its shareholding in Australia Pacific LNG, will create a strong foundation for the newly established company.

6.3 Bidder's intentions following Implementation of the Scheme

a) Introduction

- If the Scheme is implemented, Bidder:
- 1) will become the holder of all Origin Shares and accordingly, Origin will become wholly-owned by Bidder; and
- 2) will own 100 per cent of the MidOcean IG Business via its ownership of 100 per cent of the shares in Origin (though Bidder intends to immediately sell 2.49 per cent of Origin's 27.5 per cent shareholding in Australia Pacific LNG (resulting in a 25.01 per cent shareholding) to current 47.5 per cent Australia Pacific LNG shareholder ConocoPhillips, and it is expected that ConocoPhillips will replace Origin as upstream operator, corporate services provider, and CSG marketing agent of Australia Pacific LNG); and

3) intends to complete the Internal Restructure and the Sale Transaction shortly after implementation of the Scheme.

This section 6.3 sets out the current intentions of Bidder with respect to Origin if the Scheme is implemented based on information known to Bidder at the time of the preparation of this Scheme Booklet (including certain non-public information made available by Origin to Bidder prior to entry into the Scheme Implementation Deed). It is important to recognise that the statements set out in this section 6.3 are statements of current intentions only and may change as new information becomes available or circumstances change.

b) Rationale of Scheme Transaction

The acquisition by Bidder of Origin and the MidOcean IG Business, including in particular its shareholding in Australia Pacific LNG, will create a strong foundation for MidOcean Energy.

The acquisition of Origin and the MidOcean IG Business represents an opportunity for MidOcean Energy to acquire an interest in a world class, operating LNG project that sells the significant majority of its LNG under long-term contracts to investment grade counterparties. Bidder intends, through completion of the Internal Restructure and Sale Transaction, to sell the Brookfield EM Business to entities owned by Brookfield LP. The rationale for the Sale Transaction is set out in section 6.5(a).

c) Funding of the Scheme Consideration

1) Overview

If the Scheme is implemented, Scheme Shareholders will receive the Scheme Consideration for each Scheme Share they hold as at the Scheme Record Date. Refer to section 4.2 for further detail regarding the Scheme Consideration.

The proceeds available to Bidder under the debt and equity commitments (detailed below) are in excess of the maximum aggregate amount of cash payable on implementation of the Scheme.

In broad terms and as described in further detail in sections 6.3(c)(2)-(3), Bidder's acquisition funding for the Scheme will be sourced from:

- equity funding under a binding equity commitment letter issued by EIG Management Company, LLC (which will ultimately source its funding from MidOcean Energy's investors);
- debt funding under a term loan facility with various banks being well-known international banks who are active in the debt market for transactions of this nature;
- a loan from Eos Finco, an affiliate of Brookfield and a wholly-owned subsidiary of Brookfield LP, to Bidder via a loan note for an amount equal to the agreed purchase price for the Brookfield EM Business under the Sale Transaction (the EMB Loan Note); and
- a loan from ConocoPhillips via a loan note for an amount equal to the agreed purchase price for a sale of a 2.49 per cent shareholding in Australia Pacific LNG following the Scheme Transaction (the **CoP Funding Note**).

The Scheme is not subject to any financing condition precedent.

2) Equity funding

Bidder has received legally binding equity commitment letters (each, a **Commitment Letter**) in relation to its obligation to pay the relevant portion of the Scheme Consideration, as set out in the table below. The Commitment Letters funded by Brookfield or its affiliates (as reflected in the table below) form part of the funding to be satisfied by way of the EMB Loan Note (as defined in section 6.5(b) below).

Document	Funding Party	Commitment
Equity Commitment Letter	EIG Management Company, LLC	US\$1,629,000,000
Funding Commitment Letter	Brookfield Global Transition Fund GP, L.P. (in its capacity as general partner of Brookfield Global Transition Fund-A, L.P.; Brookfield Global Transition Fund-B, L.P.; and Brookfield Global Transition Fund-C, L.P.) and Brookfield Global Transition Fund GP S.A r.l. (in its capacity as general partner of Brookfield Global Transition Fund (ER) SCSp)	A\$4,906,898,843
Funding Commitment Letter	Brookfield Corporation	A\$3,097,830,102

Under each Commitment Letter, the relevant Funding Party (as set out in the second column of the above table) commits, on a several basis, to cause Bidder to receive the amount of its commitment in cash by procuring that those funds are on-loaned or otherwise contributed to Bidder in immediately available Australian dollar-denominated or US dollar-denominated funds (as applicable), for the purpose of enabling Bidder to pay the relevant portion of the aggregate Scheme Consideration when due in accordance with the terms of the Scheme. The funding commitment of

3) Debt funding

Debt financing

Bidder has entered into a legally binding Debt Commitment Letter dated 26 March 2023 under which Deutsche Bank, Royal Bank of Canada, Société Générale, Standard Chartered Bank, Sumitomo Mitsui Banking Corporation, UBS and Westpac Banking Corporation (collectively, the Mandated Lead Arrangers and Bookrunners (**MLAUBs**)) have severally agreed to provide certain secured debt facilities (**Debt Acquisition Facilities**) in an aggregate amount of no less than US\$2,649,900,000.00 and A\$500,100,000.00 to Bidder.

Bidder is permitted to use the proceeds of borrowings under the Debt Acquisition Facilities to fund part of the aggregate Scheme Consideration payable by Bidder under the Scheme and to pay fees, costs and expenses (including indirect taxes and stamp duty) related to the Debt Acquisition Facilities or the Scheme.

each Funding Party is subject only to the Scheme becoming Effective (and is otherwise unconditional).

The availability of the Debt Acquisition Facilities provided by the MLAUBs on a customary 'certain funds' basis is subject to the satisfaction of certain customary conditions precedent, including:

- certification that consummation of the acquisition of the Origin Shares by Bidder under the Scheme will occur in accordance with the terms of the Scheme Implementation Deed (and related documentation);
- confirmation that there has been no termination of or amendment to, or a waiver of any Condition Precedent or subsequent granted under, the Scheme Implementation Deed which would be adverse to the interests of the MLAUBs, taken as a whole, unless they have provided their prior written consent (not to be unreasonably withheld or delayed);
- execution of definitive long form syndicated facility documentation (and related definitive financing documentation) as described below; and
- the accuracy of certain representations identified in the Debt Commitment Letter made with respect to Bidder prior to funding of the Debt Acquisition Facilities.

It is expected that as of the Second Court Date, the Debt Commitment Letter will be superseded by a definitive long form syndicated facility agreement and related definitive financing documentation required to be entered into as a condition precedent to initial borrowings under the Debt Acquisition Facilities among the parties thereto, the material terms and conditions of which are specified in the Debt Commitment Letter.

6. Information about Bidder and Brookfield continued

It is expected that the conditions to the Debt Acquisition Facilities will be satisfied on or before the Second Court Date (other than certain procedural conditions which are intended to be satisfied concurrently with, or prior to, the initial borrowings under the Debt Acquisition Facilities, including the payment of fees, costs and expenses). As at the Last Practicable Date, Bidder is not aware of any reason why, and has no basis to believe that, the conditions to the Debt Acquisition Facilities will not be satisfied so as to enable the relevant Debt Acquisition Facilities to be drawn for the purpose of funding part of the aggregate Scheme Consideration.

EMB Loan Note

See section 6.5(b) below for further detail on the EMB Loan Note.

CoP Funding Note

Bidder has entered into the CoP Funding Note with ConocoPhillips Australia Pacific LNG Pty Ltd (**CAPLNG**)¹ where that party has agreed to provide Bidder an unsecured loan note, which represents its purchase price (being US\$511 million, subject to customary adjustment mechanisms) for the acquisition of a further 2.49 per cent shareholding in Australia Pacific LNG (**APLNG Sale Shares**) from Origin. This sale is expected to occur shortly after Implementation. The CoP Funding Note includes agreed terms for the acquisition of the APLNG Sale Shares.

Bidder is permitted to use the funds advanced under the CoP Funding Note only to fund part of the aggregate Scheme Consideration.

The availability of the funding provided by CAPLNG is subject to mechanical requirements for drawing, the correctness of certain standard representations in relation to Bidder and the Scheme Implementation Deed, and the non-occurrence of certain standard events of default or certain events giving rise to a right to terminate the Scheme Implementation Deed.

It is expected that the conditions to the CoP Funding Note will be satisfied on or before the Second Court Date (other than certain procedural conditions which are intended to be satisfied concurrently with, or prior to, the drawings under the CoP Funding Note).

As at the Last Practicable Date, Bidder is not aware of any reason why, and has no basis to believe that, the conditions to receiving funding under the CoP Funding Note will not be satisfied so as to enable the relevant funds to be drawn for the purpose of funding part of the Scheme Consideration.

4) Conclusion

On the basis of the arrangements described above, Bidder is of the opinion that it has a reasonable basis for holding the view, and holds the view, that it will be able to satisfy funding commitments described in this section 6.3.

d) Directors

As at the date of this Scheme Booklet, the board of directors of Bidder comprises the following:

Name	Position	Profile
R. Blair Thomas	CEO, EIG	Mr Thomas is the Chief Executive Officer of EIG and chairs the firm's Investment and Executive Committees. EIG was formerly part of Trust Company of the West, where he was a group Managing Director and a member of the Board of Directors of TCW Asset Management Company. Prior to joining EIG in 1998, he was a senior investment officer with the Inter-American Development Bank, a project finance attorney at the law firm of Brown and Wood in New York, and served in the administration of President George HW Bush as an advisor on energy and budget policy. He is the Chairman of Prumo Logistica SA, a private company. He is also the Chairman of Harbour Energy plc (HBR.L), a London Stock Exchange listed global independent oil and gas company, and is a member of the Board of Directors of Avantus and HIF Global. Blair holds a BA from the University of Virginia, a JD from New York Law School and an LLM from Georgetown University Law Center.

Name	Position	Profile
De la Rey Venter	CEO, MidOcean Energy	Mr Venter is the CEO of MidOcean Energy and a Managing Director of EIG. He joined EIG in 2022 after 20 years with Shell where he was, amongst other roles, the Global Head of LNG and a member of the leadership teams of Shell's Upstream and Integrated Gas and New Energies directorates. He started his career in the mining industry with a variety of strategy, sales, marketing and distribution roles with Samancor and Billiton. Over the course of his career the Venter family has lived in South Africa, the Netherlands, the UK, Switzerland, the United Arab Emirates, Qatar and the USA. Mr Venter holds a Bachelor degree in Finance and Accounting from the Northwest University in South Africa, an Honours Degree in Investment Management from the University of Johannesburg and an MBA from the Institute for Management Development (IMD) in Lausanne, Switzerland.
David Edgar	Senior Vice President, EIG	Mr Edgar is a Senior Vice President and member of the investment team of EIG. Since joining EIG in 2014, Mr Edgar has worked across a variety of energy, LNG, and related infrastructure transactions both within Australia and on a global basis. Prior to EIG, Mr Edgar was in the Investment Banking Division of Barclays Capital where he worked on a variety of natural resources transactions including mergers and acquisitions, commodity hedging, as well as bank and capital markets financings. Mr Edgar graduated from the University of Western Australia with Bachelors of Laws (Hons) and Commerce.
Benjamin Lee	Senior Vice President, EIG	Mr Lee is a Senior Vice President and a member of the investment team of EIG. Prior to joining EIG in 2014, Mr Lee was an Analyst in the Corporate & Investment Banking division at Bank of America Merrill Lynch. There, he worked on a number of mergers and acquisitions, bank and capital markets financings and strategic advisory assignments for major international and ASX listed companies in the energy and resources sectors. Prior to that, Mr Lee worked in the Risk Consulting practice at PricewaterhouseCoopers and led process improvement engagements for entities in the financial services industry. Mr Lee graduated from the University of Melbourne with a Bachelor of Commerce majoring in both Accounting and Finance.

e) Head office

Bidder currently intends to open offices in Brisbane and Perth in connection with the proposed ownership of Origin and the MidOcean IG Business and the assets to be acquired from Tokyo Gas. Bidder has also been advised that EIG, as manager of Bidder, intends to continue to maintain an office in Sydney.

f) Origin's removal from the ASX

If the Scheme is implemented, it is intended that the quotation of Origin Shares on ASX will be terminated and Origin will be removed from the official list of ASX on or around the Business Day immediately following the Implementation Date. Bidder then intends to convert Origin into a proprietary company limited by shares.

g) Business and employees

In respect of the MidOcean IG Business, Bidder intends to continue the current strategic direction of the MidOcean IG Business, whereby it plays an important role in facilitating Australia's energy transition and decarbonisation.

While ensuring that the focus is on the current operations and performance, Bidder also intends to evaluate future management and employment requirements as appropriate and with regard to the future operation of the MidOcean IG Business.

6. Information about Bidder and Brookfield continued

Bidder notes that ConocoPhillips has indicated its intention to assume the roles of Australia Pacific LNG upstream operator, corporate services provider and CSG marketing agent. Bidder is supportive of ConocoPhillips' intentions and is working collaboratively to ensure a safe and smooth transfer of these roles. Assumption by ConocoPhillips of the above mentioned roles could involve changes to the current operations of the MidOcean IG Business. Whether and when the transition of those roles occurs is not yet confirmed.

h) Changes to Constitution

Bidder intends to replace Origin's constitution with a constitution appropriate for a proprietary company limited by shares (consistent with the intention expressed in section 6.3(f) above to convert Origin into a proprietary company limited by shares following implementation of the Scheme).

i) Other intentions

Other than as set out in this section 6.3, including any changes in connection with or as a result of the anticipated transfer of the Australia Pacific LNG upstream operator, corporate services provider and CSG marketing agent roles to ConocoPhillips noted in section 6.1 above, or as otherwise disclosed by Origin, it is the present intention of Bidder, on the basis of the facts and information concerning the MidOcean IG Business that are known to Bidder and the existing circumstances affecting the assets and operations of the MidOcean IG Business at the date of this Scheme Booklet, that Bidder will:

- generally continue the business of the MidOcean IG Business;
- not make any major changes to the business of the MidOcean IG Business nor redeploy any of the fixed assets of the MidOcean IG Business;
- to the extent relevant to Bidder, comply with all applicable obligations in the undertaking given to the ACCC by MidOcean Energy Holdings Pty Ltd and MidOcean Energy Parent Pty Ltd; and
- continue the employment of the MidOcean IG Business' present employees.

j) Limitation on intentions

This section 6.3 sets out the current intentions of Bidder with respect to the MidOcean IG Business if the Proposed Transactions are implemented based on information known to Bidder at the time of the preparation of this Scheme Booklet (including certain non-public information made available by Origin to affiliates of Bidder prior to entry into the Scheme Implementation Deed).

Bidder does not currently have full knowledge of all material information, facts and circumstances that are necessary to assess all of the operational, commercial, tax and financial implications of its current intentions. Final decisions in relation to these matters will only be reached after Bidder has had an opportunity to undertake a detailed review of the MidOcean IG Business and material information, facts and circumstances at the relevant time following implementation of the Proposed Transactions. It is important to recognise that the statements set out in this section 6.3 are statements of current intentions only and may change as new information becomes available or circumstances change.

The intentions and statements of future conduct, and the ability of Bidder to implement its intentions, set out in this section 6.3 must be read as being subject to:

- the law (including the Corporations Act);
- the legal obligation of Bidder's directors at the time to act in good faith in the best interests of Bidder and for proper purposes and to have regard to the interests of all Bidder's shareholders; and
- the outcome of any review undertaken by Bidder upon acquisition of Origin, which may alter or prevent the achievement of certain intentions set out above.



a) Introduction

Brookfield LP is a newly established Bermudan limited partnership that has been established for the purpose of acquiring and holding the investment in the Brookfield EM Business for the long term. Brookfield LP will be managed by its general partner, Brookfield GP, a Brookfield-controlled entity.

It is expected that on completion of the Sale Transaction, the limited partnership interests in Brookfield LP will be directly or indirectly held by the BGTF Consortium as follows:

- 67.6 per cent held or controlled by Brookfield and Brookfield-managed investors including BGTF, BEP and the Brookfield Managed Co-Investors;
- 22.5 per cent held or controlled by Buckland Investment; and
- 9.9 per cent held or controlled by Davis Investments.

b) BGTF Consortium

The BGTF Consortium is a consortium of investors comprising entities associated with BGTF, BEP and the Brookfield Managed Co-Investors, together with their institutional partners, Buckland Investment and Davis Investments.

1) BGTF

BGTF is the world's largest private institutional investment fund dedicated specifically to investing in the transition to renewable energy globally. BGTF seeks to create value for investors by making investments that accelerate the global transition to a net zero carbon economy. This involves transforming carbon-intensive businesses, including by reducing their greenhouse gas emissions and increasing low-carbon energy capacity.

Launched in 2021, BGTF is a new type of investment fund with a mandate to invest multiple billions of dollars in the global transition to a net zero carbon economy. To achieve this mandate, BGTF also draws on Brookfield's long-standing experience as one of the world's largest investors in renewable power and climate transition assets. BGTF is the largest investor in Brookfield LP. BGTF has a dual objective: to achieve attractive financial returns and to generate measurable environmental change by integrating a focused impact management approach throughout its investment process.

The general partner for BGTF is an affiliate of Brookfield Asset Management ULC, the holding company for Brookfield's asset management business, and is responsible for the day-to-day management of BGTF and its investments. BGTF also has a number of limited partners, who are passive investors and do not take part in the day-to-day management of BGTF.

2) BEP

BEP is a Bermudan limited partnership listed on the New York Stock Exchange (NYSE: BEP) and the Toronto Stock Exchange (TSE: BEP.UN).

BEP is BGTF's cornerstone investor and is Brookfield's flagship listed renewable power company. BEP operates one of the world's largest publicly traded, pure-play renewable power platforms, with a portfolio consisting of hydroelectric, wind, solar and distributed energy and sustainable solutions across five continents.

BEP is a long standing owner, operator, developer and acquirer of renewable power and is increasingly focused on providing decarbonisation and energy transition as a service, helping businesses and governments globally to advance their sustainability goals. It has a leading presence across all major clean energy technologies globally, with more than 166,000 MW of operating and development capacity worldwide.²

3) Brookfield

Brookfield is a leading global alternative asset manager with over US\$850 billion assets under management. Brookfield invests in sectors such as renewable power and transition, infrastructure, real estate, private equity and credit. Its operations involve 200,000 employees across over 30 countries. Brookfield offers a range of alternative investment products to investors globally. These include public and private pension plans, endowments and foundations, sovereign wealth funds, financial institutions, insurance companies and private wealth channels.

Brookfield comprises Brookfield Corporation, Brookfield Asset Management Ltd. and their respective affiliates.

^{2.} As at 30 June 2023.
6. Information about Bidder and Brookfield continued

Each of Brookfield Corporation (NYSE: BN and TSX: BN) and Brookfield Asset Management Ltd. (NYSE: BAM and TSX: BAM) are listed on the New York Stock Exchange and the Toronto Stock Exchange.

Brookfield is acting as the manager of many of the funds that form part of the BGTF Consortium. Brookfield will manage BGTF, BEP and certain other passive co-investors. Brookfield acts as a manager for a range of investment products.

Further information about Brookfield can be found at: https://www.brookfield.com.

4) Brookfield Managed Co-Investors

The Brookfield Managed Co-Investors are a syndicate of passive institutional investors whose investment in Brookfield LP will be managed by Brookfield. The Brookfield Managed Co-Investors do not have any governance rights (other than customary minority rights) in respect of the Brookfield EM Business. It is expected that no more than 20% of the limited partnership interests in Brookfield LP will be directly or indirectly held or controlled by the Brookfield Managed Co-Investors.

5) Buckland Investment and GIC

Buckland Investment is an investment holding company incorporated under the laws of Singapore. It is indirectly wholly owned by GIC (Ventures) Pte. Ltd. and managed by GIC Special Investments Private Limited, the private equity and infrastructure investment arm of GIC Private Limited (**GIC**).

GIC is a leading global investment firm established in 1981 to manage Singapore's foreign reserves. GIC invests across a wide range of asset classes, including real estate, infrastructure, private equity, equities and fixed income. GIC is among the world's largest fund management companies.

6) Davis Investments and Temasek

As an indirect wholly-owned investment holding subsidiary of Temasek, the financial position of Davis Investments is consolidated with that of Temasek and its subsidiaries.

Incorporated in 1974, Temasek is an investment company based in Singapore. Supported by 13 offices globally, Temasek owns an SG\$382 billion investment portfolio as at 31 March 2023, mainly in Singapore and the rest of Asia. Temasek owns and manages its assets based on commercial principles. Temasek's investment, divestment and other business decisions are directed by its board and management. The majority of the Temasek board members are non-executive independent private sector business leaders.

6.5 BGTF Consortium's intentions following completion of the Sale Transaction

a) Rationale for the Sale Transaction

As set out in section 6.4(b)(1), BGTF is the world's largest private institutional investment fund dedicated specifically to investing in the transition to renewable energy globally. BGTF seeks to make investments that accelerate the global transition to a net zero carbon economy as part of its mandate to "go where the emissions are". BGTF's purpose in acquiring the Brookfield EM Business is to further this investment mandate.

Origin's Energy Markets Business and the interest in Origin Energy which is to be sold as the Brookfield EM Business is a leading integrated energy company. The Energy Markets Business is Australia's largest retailer by customer accounts with approximately 24 per cent share of customer accounts in the NEM,³ low customer turnover and industry leading cost to serve. However, the business still relies on carbon intensive electricity sourced from both owned generation and power that is purchased from Australia's electricity grid.

Investment in the Brookfield EM Business will involve facilitating an accelerated transition of the business to one that is materially decarbonised. In particular, the BGTF Consortium's objective is to facilitate the Energy Markets Business developing up to 13.7 GW of new renewable generation and storage capacity by 2033. This investment provides a scale opportunity for the BGTF Consortium to make a meaningful contribution to accelerating the decarbonisation of Australia's energy system and helping Australia progress towards its net zero goals.

In February 2022, Origin notified the Australian Energy Market Operator of the early retirement of coal-fired generation at Eraring potentially as early as August 2025. Implementing this change will depend on a range of market factors, including there being sufficient replacement generation and firming capacity (e.g. batteries and pumped hydro). Furthermore, Origin is structurally short of electricity (i.e. it generates significantly less electricity than it

sells) even before the planned closure of Eraring. This creates an opportunity for BGTF to invest in significantly more renewable generation and storage than Origin is planning to develop over the next decade to meet customer demand of Origin's Energy Markets business 'in house'.

In addition to bringing access to necessary capital, the BGTF Consortium has access to Brookfield's significant expertise in renewable power development, global relationships with suppliers and a track record of success. Brookfield is one of the world's largest owners, operators and developers of renewable power, with more than 40 years' experience in scaling large renewable developments globally.

The Sale Transaction provides an opportunity to make a significant contribution to Australia's net zero objectives, as well as generating value for BGTF's investors.

b) Funding of Sale Transaction consideration

On 27 March 2023, EIG, Brookfield Corporation and Bidder entered into the Bid Conduct Deed and a Commitment Deed which set out the terms on which the parties agreed to work towards implementation of the Proposed Transactions. Under the Bid Conduct Deed, Brookfield Corporation must procure that Eos Finco (an affiliate of Brookfield and a wholly-owned subsidiary of Brookfield LP) contributes an amount equal to the agreed purchase price for the Brookfield EM Business under the Sale Transaction (the **Brookfield Funding Commitment**). The Brookfield Funding Commitment is issued through a loan note funded by Brookfield LP (**EMB Loan Note**).

The EMB Loan Note will be funded from a combination of debt and equity, commitments in respect of which are detailed below.

1) EMB Loan Note - debt funding

Eos Finco has entered into a legally binding Debt Commitment Letter originally dated 27 March 2023, as amended from time to time, under which Australia and New Zealand Banking Group Limited, BNP Paribas, acting through its Australia branch, Bank of China Limited, Sydney branch, Commonwealth Bank of Australia, Citibank, N.A., Sydney branch, Mizuho Bank, Ltd., MUFG Bank, Ltd., Natixis, Singapore branch, Société Generale, Sydney branch and Sumitomo Mitsui Banking Corporation, Sydney branch (collectively, the Mandated Lead Arrangers (**Brookfield MLAs**)) have severally agreed to provide certain unsecured debt facilities in connection with the Proposed Transactions in an aggregate amount of up to \$3,500,000,000 to Eos Finco (**Brookfield Debt Acquisition Facilities**).

The availability of the Brookfield Debt Acquisition Facilities provided by the Brookfield MLAs is subject to the satisfaction of certain customary conditions precedent, including:

- certification that implementation of the Sale Transaction under the Scheme will occur in accordance with the terms of the Scheme Implementation Deed;
- confirmation that there has been no termination, amendment, or a waiver of any condition granted under, the Scheme Implementation Deed (and related documentation) which would be adverse to the interests of the Brookfield MLAs without their prior written consent (not to be unreasonably withheld or delayed);
- execution of definitive long form syndicated facility documentation; and
- the accuracy of certain representations identified in the Debt Commitment Letter.

It is expected that as of the Second Court Date, the Debt Commitment Letter will be superseded by a definitive long form syndicated facility agreement and related definitive financing documentation required to be entered into as a condition precedent to initial borrowings and that the conditions to the Brookfield Debt Acquisition Facilities will be satisfied (other than certain procedural conditions which are intended to be satisfied concurrently with, or prior to, the initial borrowings under the Brookfield Debt Acquisition Facilities, including the payment of fees, costs and expenses). As at the Last Practicable Date, Eos Finco is not aware of any reason why, and has no basis to believe that, the conditions to the Brookfield Debt Acquisition Facilities will not be satisfied so as to enable the relevant Brookfield Debt Acquisition Facilities to be drawn for the purpose of funding part of the Brookfield Funding Commitment.

The BGTF Consortium is currently in the process of putting in place long-term debt facilities under which it is proposed that certain of the Brookfield MLAs, certain other existing lenders to the Origin Group and a subset of other Brookfield relationship lenders will provide unsecured debt facilities to Eos Finco (Additional Brookfield Facilities), which may be drawn for the purpose of funding part of the Brookfield Funding Commitment. The BGTF Consortium expects that the terms of the Additional Brookfield Facilities will be substantially similar to the terms of the Brookfield Funding Commitment and may offset some or all of the amounts already committed under the Brookfield Debt Acquisition Facilities, definitive long form documentation in respect of the Additional Brookfield Facilities and be and to the Second Court Date.

6. Information about Bidder and Brookfield continued

2) EMB Loan Note - equity funding

The equity component of the funding to be satisfied by the EMB Loan Note (and by extension, the Sale Transaction consideration) is comprised of the Commitment Letters which are funded by Brookfield (as identified in section 6.3(c)(2) above).

In light of the arrangements described above, the BGTF Consortium is of the opinion that it has a reasonable basis for holding the view, and holds the view, that it will be able to satisfy funding commitments described in this section 6.5.

c) Directors

It is intended that the BGTF Consortium via Brookfield GP will be governed by a board of directors to comprise of nine directors (who will represent the investors of the BGTF Consortium). It is intended that board meetings will be held in Bermuda.

d) Head office

The head office, and the principal place of business, of the Brookfield GP will be in Bermuda. Following implementation of the Scheme and subject to completion of the Sale Transaction, it is intended that the head office of the Brookfield EM Business would be located in Sydney, New South Wales.

e) Business and employees

In respect of the Brookfield EM Business, the BGTF Consortium intends to continue but accelerate the current strategic direction of the Brookfield EM Business, whereby it plays an important role in facilitating Australia's energy transition. As noted above, the BGTF Consortium's intention is to ensure the implementation of its 'green build-out' plan, involving the responsible decommissioning of Origin's existing coal generation asset and facilitating the Brookfield EM Business developing up to 13.7 GW of new renewable generation and storage assets by 2033.

While continuing to optimise the current operations and performance of the Brookfield EM Business, the BGTF Consortium will maintain a heavy focus on the green build-out plans, which are critical to achieving the investment objectives of the BGTF Consortium. With these objectives in mind, the BGTF Consortium also intends to evaluate future management and employment requirements as appropriate having regard to the operation of the Brookfield EM Business in the future as well as the 'green build-out'.

The BGTF Consortium will be in a position to undertake a full review of the Brookfield EM Business and its business, operations, assets and employees following the implementation of the Sale Transaction to determine how best to execute its strategy and develop and grow the Brookfield EM Business. Final decisions regarding future business operations will be made following the completion of that review and in light of circumstances at the relevant time.

f) Other intentions

Other than as set out in this section 6.5 or as otherwise disclosed by Origin, it is the present intention of the BGTF Consortium, on the basis of the facts and information concerning the Brookfield EM Business that are known to the BGTF Consortium and the existing circumstances affecting the assets and operations of the Brookfield EM Business at the date of this Scheme Booklet, that the BGTF Consortium:

- will generally continue the business of the Brookfield EM Business;
- will not make any major changes to the business of the Brookfield EM Business nor redeploy any of the fixed assets of the Brookfield EM Business;
- to the extent relevant to the BGTF Consortium, will comply with all applicable obligations in the undertaking given to the ACCC by Brookfield LP, Brookfield Asset Management ULC (and its subsidiary, Brookfield Investment Management Australia Pty Ltd, jointly and severally) and Brookfield Corporation; and
- intends to evaluate future management and employment requirements as appropriate and with regard to the operation of the Brookfield EM Business in the future.

g) Limitation on intentions

This section 6.5 sets out the current intentions of the BGTF Consortium with respect to the Brookfield EM Business if the Proposed Transactions are implemented based on information known to Brookfield LP and the BGTF Consortium at the time of the preparation of this Scheme Booklet (including certain non-public information made available by Origin to affiliates of Brookfield prior to entry into the Scheme Implementation Deed).

Brookfield LP and the BGTF Consortium do not currently have full knowledge of all material information, facts and circumstances that are necessary to assess all of the operational, commercial, tax and financial implications of its current intentions. Final decisions in relation to these matters will only be reached after Brookfield LP and the BGTF Consortium have had an opportunity to undertake a detailed review of the Brookfield EM Business and material information, facts and circumstances at the relevant time following implementation of the Sale Transaction. It is important to recognise that the statements set out in this section 6.5 are statements of current intentions only and may change as new information becomes available or circumstances change.

The intentions and statements of future conduct, and the ability of the BGTF Consortium to implement its intentions, set out in this section 6.5 must be read as being subject to:

- the law (including the Corporations Act);
- the legal obligations and any fiduciary duties of the Brookfield GP directors at the time; and
- the outcome of any review undertaken by BGTF Consortium upon acquisition of the Brookfield EM Business, which may alter or prevent the achievement of certain intentions set out above.

6.6 Bidder's interests in Origin Shares

a) Interests in Origin Shares

As at the Last Practicable Date, none of Bidder or any of its associates had any Relevant Interest or voting power in any Origin Shares.

b) No dealings in Origin Shares in previous four months

None of Bidder, or to Bidder's knowledge, any of its associates has provided, or agreed to provide, consideration for Origin Shares under any purchase or agreement during the four months before the date of this Scheme Booklet.

c) No inducing benefits to Origin Shareholders given during previous four months

During the period of four months before the date of this Scheme Booklet, none of Bidder or any of its associates gave, or offered to give, or agreed to give a benefit to another person which was likely to induce the other person, or an associate of the other person, to:

- vote in favour of the Scheme; or
- dispose of Origin Shares,

where the benefit was not offered to all Origin Shareholders, otherwise contemplated by the Scheme.

d) No benefits to current Origin officers

None of Bidder or any of its associates will be making any payment or giving any benefit to any current director, secretary or executive officer of Origin or any of its related bodies corporate as compensation or consideration for, or otherwise in connection with, their resignation from their respective offices if the Scheme is implemented.

6. Information about Bidder and Brookfield continued

6.7 BGTF Consortium's interests in Origin Shares

a) Interests in Origin Shares

As at the Last Practicable Date, none of the BGTF Consortium Members or any of their associates had any Relevant Interest or voting power in any Origin Shares, other than an aggregate interest of approximately 0.098 per cent in Origin Shares arising from dealings by or on behalf of business units, investment teams or external investment managers of the BGTF Consortium Members or their respective associates whose ordinary course business involves dealing in, trading, or holding listed securities (Listed Equities Teams).

b) No dealings in Origin Shares in previous four months

None of the BGTF Consortium Members, or to the BGTF Consortium's knowledge, any of their associates has provided, or agreed to provide, consideration for Origin Shares under any purchase or agreement during the four months before the date of this Scheme Booklet (other than pursuant to the Scheme Implementation Deed or ordinary course transactions undertaken by or on behalf of the Listed Equities Teams described in section 6.7(a)).

c) No inducing benefits to Origin Shareholders given during previous four months

During the period of four months before the date of this Scheme Booklet, none of BGTF Consortium Members or any of their associates gave, or offered to give, or agreed to give a benefit to another person which was likely to induce the other person, or an associate of the other person, to:

- vote in favour of the Scheme; or
- dispose of Origin Shares,

where the benefit was not offered to all Origin Shareholders, otherwise contemplated by the Scheme, or offered pursuant to ordinary course transactions undertaken by or on behalf of the Listed Equities Teams described in section 6.7(a).

d) No benefits to current Origin officers

None of the BGTF Consortium Members or any of their associates will be making any payment or giving any benefit to any current director, secretary or executive officer of Origin or any of its related bodies corporate as compensation or consideration for, or otherwise in connection with, their resignation from their respective offices if the Scheme is implemented.

6.8 No other material information

Other than as disclosed in this section 6, there is no information regarding Bidder, or its intentions regarding Origin, that is material to the making of a decision by an Origin Shareholder on whether or not to vote in favour of the Scheme that is within the knowledge of any director of Bidder as at the date of this Scheme Booklet that has not been previously disclosed to Origin Shareholders.

7. Risks

7.1 Introduction

In considering the Scheme, Origin Shareholders should be aware that there are a number of risk factors, both general and specifically relating to Origin or which may affect the future operating and financial performance of Origin and the price and/or value of Origin Shares.

If the Scheme proceeds, Origin Shareholders will receive the Scheme Consideration, will cease to hold Origin Shares and will also no longer be exposed to the risks set out in this section 7 (and other risks to which Origin may be exposed).

If the Scheme does not proceed, Origin Shareholders will continue to hold Origin Shares and continue to be exposed to risks associated with investment in Origin.

In deciding whether to vote in favour of the Scheme, Origin Shareholders should read this Scheme Booklet carefully and consider the following risk factors. These risk factors do not take into account the individual investment objectives, financial situation, position or particular needs of Origin Shareholders. In addition, this section 7 is a summary only and does not purport to list every risk that may be associated with an investment in Origin now or in the future. There also may be additional risks and uncertainties not currently known to Origin which may have a material adverse effect on Origin's operating and financial performance and the value of Origin Shares.

Whilst the Origin Directors unanimously recommend that Origin Shareholders vote in favour of the Scheme in the absence of a Superior Proposal and subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of Origin Shareholders, Origin Shareholders are encouraged to make their own independent assessment as to whether to vote in favour of the Scheme.¹

7.2 General risks

Origin is exposed to a number of general risks that could have a material adverse impact on its assets and liabilities, financial position, profits, prospects and potential to make further distributions to Origin Shareholders, and the price and/or value of Origin Shares. General risks that may impact on Origin or the market for Origin Shares include:

- changes in general business, industry cycles and economic conditions, which could impact both supply and demand dynamics relevant to Origin's business;
- changes in laws or regulations which impact Origin's industry and operations, which could impact on Origin's ability
 to conduct its business as currently conducted and potentially lead to higher costs of doing business or impact the
 prices at which Origin could sell its products and services to customers;
- variations in Origin's operating results, which could negatively impact investor perceptions of Origin;
- acts of war and hostilities, acts of terrorism, civil disturbance, and other force majeure risks, which could impact both supply and demand dynamics relevant to Origin's business including the prices at which Origin procures inputs for its business or is able to sell its products and services to customers, or could otherwise interfere with Origin's operations;
- changes in investor sentiment, recommendations from securities analysts, overall performance of comparable listed companies and Australian dollars and international stock markets, which could negatively impact investor perception of Origin, the price at which Origin Shares trade or the ability of Origin to raise further capital from investors in the future;
- Origin's ability to attract, retain and develop high quality employees;, as failure to do so could lead to higher costs and poorer operational outcomes which could negatively impact Origin's operations and performance of its business; and
- changes to accounting standards and reporting standards, which could impact Origin's reported financial results and investor perception of Origin's performance.

Some of these factors could affect Origin's share price regardless of Origin's underlying operating performance.

Origin Shareholders should, in considering this recommendation, note that (as detailed in section 9.2 of this Scheme Booklet), if the Scheme becomes Effective, the following will occur in relation to the equity incentives and deferred cash awards held by Frank Calabria (Managing Director and Chief Executive Officer): full vesting and exercise of 992,212 unvested share rights, lifting of restrictions on 472,417 restricted Origin Shares and waiving of the deferral period for \$1,229,499 deferred cash.

7. Risks continued

7.3 Risks relating to the business and operations of Origin

a) Strategic risks

1) Competition

Origin operates in a highly competitive retail environment which can result in pressure on margins and customer losses.

Competition also impacts Origin's wholesale business, with generators competing for capacity and fuel and the potential for gas markets to be impacted by new domestic gas resources, LNG imports and the volume of gas exports.

2) Technological developments/disruption

Origin is exposed to risks and opportunities relating to new digital and low-carbon technologies.

Distributed generation is empowering consumers to own, generate and store electricity, which results in less energy consumption from the grid. Technology is allowing consumers to understand and manage their power usage through smart appliances, which could potentially disrupt the existing utility relationship with consumers.

Technology also allows customers to have increased awareness of the impact of when they consume energy and the source of that energy.

Advances in technology and the abundance of low-cost data acquisition, communication and control has the potential to create new business models and introduce new competitors.

3) Changes in demand for energy

The volume or source of energy demanded by customers could change due to price, consumer behaviour, community expectations, energy efficiency schemes, Government policy, weather and other factors.

Demand for energy is also expected to grow due to increased electrification; for example, hydrogen, e-mobility and distributed infrastructure as a service, providing new market opportunities.

The current global energy market environment may impact the supply and cost of energy to customers, and this could have an adverse impact on Origin or its reputation with customers and the community.

Any change in demand for energy could impact Origin's revenues and future financial performance.

4) Regulatory policy

Origin has broad exposure to regulatory policy change and risks of government interventions which can impact financial outcomes and, in some cases, alter the commercial viability of existing or proposed projects or operations. Specific areas subject to review and development include wholesale and retail prices, government subsidies for building new generation and transmission capacity, direct government investment in generation, energy market design, domestic and international climate change policies, domestic gas market interventions, consumer protection regulation, and royalties and taxation policy.

As it relates to Origin's investment in Australia Pacific LNG, the Australian Federal Government has introduced the Mandatory Gas Code of Conduct (**Code of Conduct**) that applies to large gas producers in the Australian East Coast gas market, including Australia Pacific LNG. The Code of Conduct imposes a \$12/GJ price cap on new producer domestic supply agreements, which is expected to remain in place until at least July 2025 at which point it is set to be reviewed. Producers can also apply for exemptions from the price cap where they enter enforceable domestic supply commitments.

Under the Australian Domestic Gas Security Mechanism (ADGSM), the Federal Government has the power to restrict gas exports where it considers this will help to prevent a forecast supply shortfall in the domestic market. The ADGSM is a measure of last resort and is only intended to be used if market-based solutions and other interventions fail to provide sufficient gas. There are also provisions in the ADGSM aimed at safeguarding sufficient gas exports that would enable LNG projects to meet minimum commitments under their long-term foundational supply agreements. If the Federal Government declares a supply shortfall in the domestic market in a period, the volume of LNG that Australia Pacific LNG could export in that period could be reduced.

b) Climate risks

1) Policy and legal

Changes to government policy and regulation in relation to, and resulting from, climate change may present risks and opportunities for Origin, including:

- regulatory intervention in the national electricity and gas markets;
- carbon pricing (including carbon markets, border adjustment and taxes);
- the emergence of new climate-related legislation or reporting requirements;
- government investment in energy infrastructure and generation including partnerships;
- government grants and subsidies to innovate and incentivise market development; and
- development approvals and planning and zoning laws.

These changes may impact Origin's asset values, operating costs, or investment decisions.

There is an increased risk of climate change-related litigation globally and in Australia. Any litigation would incur legal costs and potential penalties, compensation payments or settlement costs and may directly or indirectly influence future operational strategy.

2) Technology

The development of new technologies may be required to assist Origin to meet its medium to long-term emissions reduction targets and ambitions, however there is uncertainty regarding the efficacy, timing, cost and availability of those technologies.

The growth of low emissions technologies, distributed generation, and demand management enabled by technologies could result in lower demand (and revenue) for existing products. However these also present new market opportunities and potential revenue streams.

3) Market

The energy transition represents a period of significant change and volatility which presents both risks and opportunities for Origin. The ongoing decarbonisation of energy markets and lower demand for fossil fuels in some markets could result in:

- the reduced lifespan of existing carbon-intensive assets and potential for stranded assets;
- the continued electrification of some sectors that currently depend on fossil fuels, with potential to increase overall demand for electricity;
- a change in the competitive landscape and the development of new markets and business models that Origin can participate in, as cleaner fuels, renewables, storage, and distributed generation markets evolve; and
- energy market price volatility, as both the volume and source of energy supply and demand shift.

Origin's response to these market changes may have a positive or negative influence on its future financial prospects including its earnings, asset values, and investments.

Origin's financial performance during the energy transition will also be influenced by the timely and affordable access to:

- capital to support its strategy and growth aspirations;
- land and infrastructure, including the necessary network transmission capacity to enable investment in renewables and other third-party infrastructure; and
- the necessary inputs (including skills, commodities, and other supplies) to develop renewable and cleaner energy assets in an ethical manner.

4) Reputation

Origin's strategy, emissions reduction targets and ambitions may fail to meet stakeholder expectations. This includes the timing and alignment of our portfolio decisions, and how we set, measure and report on climate change targets. This could result in:

- increased cost of, or restricted access to, debt and equity capital and insurance;
- adverse impacts to our social licence to operate and our reputation among our communities, customers, suppliers and other stakeholders; and
- challenges attracting and retaining talent.

7. Risks continued

Origin's path through the energy transition will have an impact on its people, communities and customers as its business changes, including the planned closure of the Eraring coal-fired power station potentially as early as August 2025. There is a risk Origin fails to meet stakeholder expectations in relation to a 'just energy transition'.

5) Physical risks

Changing weather patterns may influence the demand for energy, which could impact Origin's revenues and future financial performance.

Changing and more frequent and severe weather conditions, including floods, droughts, bushfires, and extreme temperature events could also disrupt Origin's operations or impact the efficacy of its assets, and supporting distribution and transmission infrastructure. This could lead to increased operating costs, increased maintenance and capital expenditure, the risk of environmental incidents and higher insurance costs or restrictions on accessing insurance.

c) Financial risks

1) Commodity

Origin has a long-term exposure to international oil, LNG and gas prices through the sale and purchase of domestic gas, LNG and LPG, and its investment in Australia Pacific LNG. Pricing can be volatile and driven by global macroeconomic events. Downward price movements can impact cash flow, financial performance, reserves and asset carrying values. Some of Origin's long-term domestic gas purchase agreements and Australia Pacific LNG's LNG sale agreements contain periodic price reviews. Following each review, pricing may be adjusted upwards or downwards, or remain unchanged.

The prices and volumes for wholesale electricity that Origin sources to on-sell to customers are volatile and influenced by many factors, including generation availability, the pricing of generation fuels (coal and gas), and weather. Fluctuations in coal and gas prices also impact the margins of Origin's own generation portfolio. In particular, the Energy Markets business has exposure to the price of coal when recontracting supply for FY2O25, with the \$125/t coal price cap to expire on 30 June 2024. The Energy Markets business also has exposures to contracted volumes of coal not being delivered which could result in lower output or higher costs to meet customer demand.

Different commodity prices that have historically moved in a correlated fashion may see that correlation break down. It would be disadvantageous for Origin if the domestic wholesale energy costs incurred by the Energy Markets business were high, but the international oil and LNG prices obtained by Australia Pacific LNG were low.

Origin also has an investment in Octopus Energy in the United Kingdom. Octopus Energy has a sizeable retail customer base in the UK and limited physical supply of wholesale generation. As such, Octopus Energy is a major buyer of wholesale energy via over-the-counter contracts and various derivative trading positions. This has the potential to leave the Octopus Energy business vulnerable to extreme fluctuations in wholesale pricing which may negatively impact financial performance.

2) Foreign exchange and interest rates

Origin has exposures through principal debt and interest payments associated with foreign currency and Australian dollar borrowings, through the sale and purchase of gas, LNG and LPG, capital expenditure commitments, and through its investments in Australia Pacific LNG and Octopus Energy. Interest rate and foreign exchange movements could lead to a decrease in revenues or an increase in payments in Australian dollar terms.

3) Liquidity and access to capital markets

Origin's business, prospects and financial flexibility could be adversely affected by a failure to appropriately manage its liquidity position, or if markets are not available at the time of any financing or refinancing requirement.

4) Credit and counterparty

Some counterparties may fail to fulfil their obligations (in whole or part) under major contracts.

d) Operational risks

1) Safe and reliable operations

Origin is exposed to reliability or major accident events that may cause harm to people or damage assets, impacting its licence to operate and or its financial prospects. This includes loss of containment, cyber-attack and security incidents, unsafe operations, and natural hazards and other events that may cause harm to Origin's people, environmental damage, additional costs, production loss, property damage, third party impacts, and reputational impacts.

A production outage or constraint, network or IT systems outage, would affect Origin's ability to deliver electricity and gas to customers.

A serious incident or a prolonged outage may also damage Origin's financial prospects and reputation.

2) Capital investment in development projects

As outlined in Origin's Climate Transition Action Plan in 2022, Origin has an ambition to grow its renewables and storage capacity within its generation portfolio to 4 GW by 2030. With the retirement of the Eraring Power Station potentially as early as August 2025, and to support Origin's retail position and manage its portfolio risk, Origin may invest in further capacity in excess of this 4 GW to transition its generation fleet over the period to 2030.

As Origin embarks upon the significant transition of its wholesale generation portfolio and seeks to invest in new generation capacity, there is risk associated with execution of this strategy which involves development and construction of large-scale, complex infrastructure projects which could cost more and take longer to develop than planned.

Development of new generation capacity, including renewable generation and energy storage assets, is expected to be capital intensive. Origin could support the development of some of these projects through off balance sheet contracting. However, Origin may also need to consider the funding of some of these projects utilising its own balance sheet and funding sources and as such, there is a risk that this could impact debt levels, dividends able to be paid to shareholders, or funding capacity to invest in other growth initiatives more generally.

3) Environmental and social

An environmental incident or failing to consider and adequately mitigate environmental, social and socio-economic impacts on communities and the environment has the potential to cause environmental impact, community action, regulatory intervention, legal action, reduced access to resources and markets, impacts to Origin's licence to operate and reputation and increased operating costs.

Community concerns regarding environmental and social impacts associated with Origin's activities may also give rise to unrest amongst community stakeholder groups and activism which may impact its reputation. A third party's actions may also result in delay in Origin carrying out its approved development and operational activities. NGOs, landholders, community members and other affected parties can seek to prevent or delay Origin's activities through court litigation, preventing access to land and extending approval pathway time frames.

4) Cyber security

A cyber security incident could lead to a breach of privacy, loss of and/or corruption of commercially sensitive data, and/or a disruption of critical business processes. This may adversely impact customers, Origin's business activities and reputation and brand.

5) Australia Pacific LNG gas reserves, resources and deliverability

There is uncertainty about the productivity, and therefore economic viability, of resources and developed and undeveloped reserves. As a result, there is a risk that actual production may vary from that estimated, and in the longer term, that there will be insufficient reserves to supply the full duration and volumes to meet contractual commitments.

As at 30 June 2023 Australia Pacific LNG's identified reserves and resources are estimated to be greater than its contractual supply commitments on a volume basis. However, given the inherent uncertainty in forecasting future production rates, there is a risk that the rate of gas delivery required to meet Australia Pacific LNG's committed gas supply agreements may not be able to be met for the later years in the life of existing contracts.

7. Risks continued

6) Conduct and compliance

Unlawful, unethical or inappropriate conduct that falls short of community expectations could result in penalties, reputational/brand damage, loss of customers and adverse financial impacts.

Origin's financial prospects and operations are underpinned by its licence to operate which requires compliance with stakeholder commitments, regulations, and laws. For example, requirements for dealing with vulnerable customers, privacy, and insider trading.

Origin is and from time to time may be involved in regulatory investigations, third party disputes or legal proceedings, including in respect of breaches of retail regulatory requirements. Involvement in such investigations, disputes or legal proceedings could potentially disrupt Origin's operations, result in enforcement action and adversely affect Origin's reputation and financial position.

7) Joint venture

Third party joint venture operators may have economic or other business interests that are inconsistent with Origin's own and may take actions contrary to the Company's objectives, interests or standards. This may lead to potential financial, reputational and environmental damage in the event of a serious incident.

e) Litigation risk relating to Australia Pacific LNG

Australia Pacific LNG acquired various CSG interests from Tri-Star in 2002 that are subject to reversionary rights and an ongoing royalty interest in favour of Tri-Star. These interests represent approximately 19 per cent of Australia Pacific LNG's 2P (proved plus probable) CSG reserves and approximately 18 per cent of 3P (proved plus probable plus possible) CSG reserves (as at 30 June 2023). Please refer to section 8 of Origin's Annual Report (which was filed with the ASX on 17 August 2023) for further information relating to Tri-Star's litigation against Australia Pacific LNG in relation to these CSG interests.

f) Unknown risks

The information set out in this section 7.3 is non-exhaustive and additional unknown risks and uncertainties may have a material adverse impact on Origin's financial and operational performance.

7.4 Risks relating to the Scheme

a) Implications relating to implementing the Scheme

The Scheme is subject to certain conditions precedent that must be satisfied or waived (if capable of waiver) in order for the Scheme to be implemented. These conditions precedent are outlined in section 4.6 of this Scheme Booklet and set out in full in clause 3.1 of the Scheme Implementation Deed. The failure of a condition precedent to be satisfied or waived (if capable of waiver) may also give rise to a right of either Origin or Bidder to terminate the Scheme Implementation Deed.

The conditions precedent include approval by the Court and Origin Shareholders. There is the risk that the Origin Shareholders or the Court may not approve the Scheme, or that the Court may only be willing to approve the Scheme subject to conditions that Origin or Bidder are not prepared to accept.

There is also a risk that some or all of the aspects of the Origin Shareholder and Court approvals required for the Scheme to proceed may be delayed – including, for example, as a result of delays in the receipt of regulatory approvals that are conditions precedent to the Scheme (refer to section 4.6 of this Scheme Booklet).

b) Implications for Origin and Origin Shareholders if the Scheme is not implemented

If the Scheme is not implemented, Origin Shareholders will retain their Origin Shares and will not receive the Scheme Consideration or the Special Dividend. Origin will remain listed on the ASX and continue to operate as a standalone entity. In these circumstances, Origin will continue to be subject to the risks currently associated with an investment in Origin (and to which Origin Shareholders are currently exposed), including those set as out in sections 7.2 and 7.3.

If the Scheme is not implemented, there will be no certainty as to the timing and quantum of any future dividends. The Origin Board will continue to consider the payment of dividends in light of the funding needs of Origin at the relevant time, its current policy of delivering sustainable shareholder returns through the business cycle and will target a payout range of 30 per cent to 50 per cent of Free Cash Flow per annum in the form of ordinary dividends and/or on-market share buy-backs.

The Origin share price will remain subject to market volatility and, if the Scheme is not implemented and no Superior Proposal emerges, the trading price of Origin Shares may fall below current levels, to the extent that the current market price reflects an assumption that the Scheme will be implemented and/or that a Superior Proposal might emerge.

7.5 Risks relating to the Special Dividend

a) Payment of a Special Dividend is not assured

There is no assurance that any Special Dividend will be paid to Origin Shareholders. The final decision on whether or not to pay a Special Dividend will be made by the Origin Directors and will depend upon a number of factors, including satisfaction of the following conditions:

- the Scheme having been approved by Origin Shareholders and the Court and having become Effective;
- Origin having received a draft class ruling (or other indicative confirmation) from the ATO in a form acceptable to Origin;
- Origin being able to pay the Special Dividend in cash before the Implementation Date (with the Special Dividend Record Date being before the Scheme Record Date);
- Origin having available franking credits and its franking account not being in deficit; and
- compliance with relevant legislative requirements under the Corporations Act and ITAA 1997 in respect of the Special Dividend.

If these requirements for payment of a Special Dividend cannot be fulfilled, including if the Scheme does not become Effective, Origin Shareholders will not receive the Special Dividend nor any franking credits attached to such dividend.

The final decision of the Origin Directors will be communicated to Origin Shareholders by way of an ASX announcement before the Scheme Meeting.

b) Ability to realise the benefit of the franking credits attached to the Special Dividend

If a Special Dividend is paid, certain Origin Shareholders may be able to realise the benefit of franking credits that will attach to the Special Dividend.

Whether you will be able to receive the full benefit of the franking credits attached to any Special Dividend will depend on your personal circumstances and whether a favourable class ruling is obtained from the ATO.

The Commissioner of Taxation has certain powers under Australian taxation law to deny an Origin Shareholder the benefit of the franking credits attaching to any Special Dividend. Origin has sought a class ruling on behalf of Origin Shareholders to confirm, among other things, that the Commissioner of Taxation will not use these powers to deny access to the franking credits. However, the final class ruling has not been issued as at the date of this Scheme Booklet and will not be issued prior to the Special Dividend Payment Date.

In addition, the *Treasury Laws Amendment (2023 Measures No.1) Bill 2023* currently before the Commonwealth Parliament contains a rule that proposes to limit the availability of franking credits attached to dividends which are funded by the issue of shares or other equity interests in certain circumstances (the **Proposed Equity-Funded Dividend Rule**). This Bill has not been enacted as at the Last Practicable Date of 10 October 2023. If the Proposed Equity-Funded Dividend Rule is enacted as law prior to Implementation, Origin proposes to seek confirmation from the Commissioner of Taxation that the proposed rule will not apply to treat the Special Dividend as unfrankable, however a final confirmation may not be received before the Origin Directors decide whether to pay the Special Dividend.

You should consult your own taxation adviser to determine the tax consequences relevant to your specific circumstances. Refer to section 8 of this Scheme Booklet for further information regarding tax implications in respect of the Special Dividend.

8. Tax implications

8.1 Introduction

The following is a general description of the Australian tax consequences of the Scheme (assuming it becomes Effective) and the Special Dividend (if paid) and Permitted Dividends (referred to collectively as the **Dividends**) for Origin Shareholders. It does not constitute tax advice and should not be relied upon as such. The comments set out below are relevant only to those Origin Shareholders who hold their Origin Shares on capital account for tax purposes.

The description is based upon the Australian law and administrative practice in effect at the date of this Scheme Booklet, but it is general in nature and is not intended to be an authoritative or complete statement of the laws applicable to the particular circumstances of an Origin Shareholder. Origin Shareholders should seek independent professional advice in relation to their own particular circumstances.

The description does not address the Australian tax consequences for Origin Shareholders who:

- hold their Origin Shares for the purposes of speculation or in carrying on a business dealing in securities (for example, as trading stock or on revenue account for tax purposes);
- acquired their Origin Shares pursuant to an employee share, option or rights plan;
- are subject to the taxation of financial arrangement rules in Division 230 of the ITAA 1997 in relation to gains and losses on their Origin Shares;
- may be under a legal disability (e.g. under the age of 18 at 30 June 2023 or 2024 (as applicable), bankrupt or declared legally incapable due to a mental condition) or subject to certain special tax rules, including insurance companies, partnerships, tax-exempt organisations or entities subject to the Investment Manager Regime under Subdivision 842-1 of the ITAA 1997 in respect of their Origin Shares; or
- who are not Australian tax residents and who hold their shares at or through an Australian permanent establishment;
- made a choice under Subdivision 960-D of the ITAA 1997 to use a functional currency other than Australian dollars to calculate their Australian taxable income; or
- are taken to have acquired their Origin Shares before 20 September 1985.

Origin Shareholders who are tax residents of a country other than Australia (whether or not they are also residents, or are temporary residents, of Australia for tax purposes) should take into account the tax consequences of the Scheme under the laws of their country of residence, as well as under Australian law.

8.2 ATO class ruling

Origin has applied to the ATO requesting a class ruling to confirm the key taxation implications of the Scheme and the Dividends for Origin Shareholders as noted below (**Class Ruling**).

The Class Ruling has not been finalised as at the date of the Scheme Booklet. Origin anticipates that the ATO will provide a draft of the Class Ruling prior to the Scheme becoming Effective. Origin will make an announcement to the ASX if it receives a draft of the Class Ruling before the Scheme Meeting or the Second Court Hearing.

When the final Class Ruling is published by the ATO, it will be available on the ATO website www.ato.gov.au. It is anticipated that the Commissioner's views in the Class Ruling will be generally consistent with the description of the Australian tax consequences in this summary. However, it is possible that the Commissioner may reach a different conclusion. Accordingly, it is important that this summary be read in conjunction with the Class Ruling.

8.3 Origin Shareholders that are Australian residents

a) Capital gains tax (CGT)

Under the Scheme, Origin Shareholders will dispose of their Origin Shares to Bidder in exchange for the Scheme Consideration. This disposal will constitute a CGT event A1 for Australian CGT purposes for Origin Shareholders.

The time of the CGT event will be the Implementation Date.

b) Calculation of capital gain or capital loss

Origin Shareholders will make a capital gain on the disposal of Origin Shares to the extent that the capital proceeds from the disposal of the Origin Shares are more than the cost base of those Origin Shares. Conversely, Origin Shareholders will make a capital loss to the extent that the capital proceeds are less than their reduced cost base of those Origin Shares.

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1) Cost base

The cost base of the Origin Shares generally includes the cost of acquisition and certain non-deductible costs of their acquisition and disposal. The reduced cost base of the Origin Shares is usually determined in a similar, but not identical, manner.

If the Origin Shares were acquired at or before 11.45am on 21 September 1999, an Origin Shareholder who is an individual, a complying superannuation entity or the trustee of a trust may choose to adjust the cost base of their Origin Shares to include indexation by reference to changes in the consumer price index from the calendar quarter in which their Origin Shares were acquired until the quarter ended 30 September 1999. Origin Shareholders that are companies will include that indexation adjustment if their Origin Shares were acquired at or before 11.45am on 21 September 1999. Indexation adjustments are taken into account only for the purposes of calculating capital gains; they are ignored when calculating capital losses.

Any Origin Shareholders that participated in the Boral/Origin demerger in February 2000 will need to reduce the cost base of their Origin Shares by the \$3.16 per share capital reduction made to facilitate the demerger.

2) Capital proceeds

The capital proceeds received in respect of the disposal of each Origin Share should be the amount of the Scheme Consideration.

If an Origin Shareholder does not make a valid Currency Election, the Origin Shareholder will receive the Scheme Consideration in Australian dollars for all their Origin Shares. The capital proceeds for such an Origin Shareholder will be the amount of the Scheme Consideration in Australian dollars.

If an Origin Shareholder makes a valid Currency Election, the Origin Shareholder will receive the Scheme Consideration for all of their Origin Shares in the form of a combination of Australian dollars and US dollars (comprising, the AUD Scheme Consideration in Australian dollars and the USD Scheme Consideration in US dollars). The capital proceeds for such an Origin Shareholder will include the sum of the amount of AUD Scheme Consideration in Australian dollars and the amount of the USD Scheme Consideration in Australian dollars using the exchange rate applicable on the Implementation Date.

The capital proceeds for the disposal of Origin Shares should not include the Dividends. However, the ATO may reach a different conclusion and include the Dividends in the capital proceeds. The ATO has not finalised its position as at the date of this Scheme Booklet.

If the ATO concludes the Dividends should be included in the capital proceeds, Origin Shareholders should take this into account in calculating any capital gain or capital loss. An 'anti-overlap' rule applies to reduce any capital gain made by an Origin Shareholder to the extent the Dividends are otherwise included in assessable income.

However, if an Origin Shareholder makes a capital loss, the 'anti-overlap' rule does not restore the capital loss that would otherwise have been made if the Dividends did not form part of the capital proceeds. Similarly, if an Origin Shareholder makes a capital gain because the Dividends are included in the capital proceeds and that capital gain is less the amount of the Dividends, the 'anti-overlap' rule will reduce the capital gain to zero but will not provide a capital loss for the difference between the capital proceeds and the Dividends.

3) Other issues

Origin Shareholders who are individuals, complying superannuation entities or trustees that have held (or are deemed to have held) their Origin Shares for at least 12 months before the Implementation Date (not counting the day of acquisition or disposal) (but have not chosen to index their cost base – refer above) may be entitled to reduce the amount of the capital gain (after application of carry forward and current year capital losses, if any) by the applicable CGT discount. If eligible, the applicable CGT discount for Origin Shareholders who are individuals or trustees is 50 per cent and 33^{1/3} per cent for complying superannuation entities. The ultimate availability of the CGT discount for beneficiaries of a trust will depend on the particular circumstances of the beneficiaries.

There is no CGT discount available for Origin Shareholders that are companies or Origin Shareholders who have held their Origin Shares for less than 12 months.

8. Tax implications continued

Capital gains (prior to any CGT discount) and capital losses of a taxpayer in an income year are aggregated to determine whether there is a net capital gain. Any net capital gain (as reduced by the CGT discount, if applicable) is included in assessable income and is subject to income tax. Capital losses may not be deducted against other income for income tax purposes, but may be carried forward to offset against future capital gains (subject to satisfaction of loss recoupment tests for certain taxpayers).

c) Taxation consequences of the Dividends

Origin Shareholders who are Australian tax residents and who receive the Dividends should include the amount of the Dividends in their assessable income. It is expected that the Dividends will be fully franked.

If certain requirements are met, the Origin Shareholders who receive the Dividends will also be:

- required to include the amount of the attached franking credits in their assessable income; and
- entitled to a tax offset equal to the amount of franking credits attached to the Dividends.

These requirements include:

- the Origin Shareholder being a 'qualified person' in relation to the Dividends; and
- whether certain dividend franking integrity measures apply.

In order for an Origin Shareholder to be a 'qualified person' they must hold their Origin Shares 'at-risk' for a continuous period of not less than 45 days (not including the day of the share's acquisition or disposal) during a prescribed period in relation to the Dividends.

Origin Shareholders will not be treated as holding their Origin Shares 'at-risk' on any days on which Origin Shareholders held positions that reduced their exposure to gains and losses below 30 per cent, although those days do not break the continuity of the 'at-risk' period.

Origin Shareholders will cease to be considered to hold their shares 'at-risk' from the Scheme Record Date.

As the Dividends are taken into account in determining the amount of the Scheme Consideration, the so-called 'related payments' rule will apply to Origin Shareholders. Accordingly, the prescribed periods within which Origin Shareholders must hold their shares 'at risk' for a continuous period of 45 days are expected to be:

- from 16 January 2023 to 16 April 2023 (inclusive) in respect of the interim Permitted Dividend;
- from 24 July 2023 to 22 October 2023 (inclusive) in respect of the final Permitted Dividend; and
- from 17 October 2023 to 10 December 2023 (inclusive) in respect of the Special Dividend.

The Class Ruling is expected to contain the ATO's views as to when an Origin Shareholder will satisfy the relevant holding period test with respect to the Dividends.

If you are an individual or complying superannuation entity and your tax liability for the income year is less than the amount of the franking credits attached to the Dividends, you may be entitled to a refund for the excess franking credits. This does not extend to companies.

Additional commentary has been made in relation to the Special Dividend under the 'Risks relating to the Special Dividend' in section 7.5 above.

8.4 Origin Shareholders that are non-residents of Australia

a) General

An Origin Shareholder who is not an Australian resident for Australian income tax purposes should only be subject to Australian CGT on the disposal of their Origin Shares if:

- the Origin Shareholder holds or held 10 per cent or more (together with its associates) of the Origin Shares (i.e. a 'non portfolio interest') at the time of the CGT event or throughout a 12 month period within 2 years preceding the CGT event; and
- more than 50 per cent of Origin's value is due to direct or indirect interests in 'taxable Australian real property' (as defined in the ITAA 1997). Taxable Australian real property generally refers to Australian land that is owned or leased.

Unless the above two conditions are satisfied, non-resident Origin Shareholders should disregard any Australian capital gain or loss from the disposal of their Origin Shares.

If you are a non-resident who holds a 'non-portfolio interest' in Origin, you should obtain independent advice as to the tax implications of sale, and whether any protection will be available under a relevant double tax treaty.

A non-resident Origin Shareholder who has previously been a resident of Australia and chose to disregard a capital gain or loss on ceasing to be a resident will be subject to Australian CGT consequences on disposal of the Origin Shares as set out in section 8.3.

Origin Shareholders who are not residents of Australia should not be subject to income tax in Australia in respect of the Dividends. As the Dividends (including the Special Dividend, if paid) will be fully franked, such shareholders should receive the full amount of the Dividends free of any dividend withholding tax.

b) Foreign resident capital gains withholding tax

The capital gains withholding tax regime may apply to the Origin Shareholders whose Origin Shares are subject to Australian CGT because they satisfy the two conditions outlined above at section 8.4(a).

Bidder, in cooperation with Origin, may seek to clarify the status of particular Origin Shareholders and require these Origin Shareholders to provide Bidder with either:

- a declaration that they are an Australian tax resident or that their Origin Shares are not an 'indirect Australian real property interest' (**Declaration Form**); or
- a notice of variation granted by the ATO varying the amount or rate of tax to be withheld (Variation Notice).

Unless a signed Declaration Form or Variation Notice is provided to Bidder for these particular Origin Shareholders, Bidder may withhold 12.5 per cent of the Scheme Consideration payable to the Origin Shareholder and pay that amount to the Commissioner of Taxation. Bidder has advised Origin that it expects to only contact a very limited number of non-resident Origin Shareholders and that if Bidder does not contact a non-resident Origin Shareholder then it will not withhold any amount under these provisions.

Non-resident Origin Shareholders should consult with a professional tax adviser regarding their particular circumstances.

8.5 GST

Origin Shareholders should not be liable to GST in respect of a disposal of those Origin Shares.

Origin Shareholders may be charged GST on costs they incur (such as adviser fees relating to their participation in the Scheme) that relate to the Scheme. Origin Shareholders may be entitled to input tax credits or reduced input tax credits for such costs, but should seek independent advice in relation to their individual circumstances.

8.6 Stamp duty

Origin Shareholders should not be liable for any Stamp Duty on the disposal of their Origin Shares.

9. Additional information

9.1 Interests of Origin Directors in Origin Shares and Origin Equity Incentives

a) Interests in Origin Shares

As at the Last Practicable Date, the Origin Directors have the following Relevant Interests in Origin Shares:

Origin Director	Number of Origin Shares
Scott Perkins	80,000
Frank Calabria	1,623,434 (including 472,417 Restricted Shares held as part of Origin's short term and long term equity incentives, as detailed in section 9.1(b) below)
Ilana Atlas	50,000
Maxine Brenner	28,367
Greg Lalicker	100,000
Mick McCormack	100,000
Steven Sargent	41,429
Nora Scheinkestel	33,365
Joan Withers	29,980

Origin Directors who hold Origin Shares, or entities who hold Origin Shares on behalf of Origin Directors, will be entitled to vote at the Scheme Meeting and, if the Scheme is implemented, will receive the Scheme Consideration for their Origin Shares along with the other Scheme Shareholders.

Each Origin Director intends to vote, or procure the voting of, any Origin Shares held or controlled by them at the time of the Scheme Meeting in favour of the Scheme at the Scheme Meeting in the absence of a Superior Proposal and subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of Origin Shareholders.

No Origin Director acquired or disposed of a Relevant Interest in any Origin Shares during the four months before the date of this Scheme Booklet, other than Frank Calabria who acquired 273,721 ordinary Origin Shares on 21 August 2023 on vesting of 61,138 Restricted Share Rights and 183,416 Performance Share Rights and allocation of 29,167 Dividend Equivalent Restricted Shares.

b) Interests in Origin Equity Incentives

As at the Last Practicable Date, none of the Origin Directors have a Relevant Interest in any Origin Equity Incentives, other than the Managing Director and Chief Executive Officer, Frank Calabria.

As at the Last Practicable Date, Frank Calabria holds the following Origin Equity Incentives:

- Long-term incentives: As part of the Origin LTIP (described in section 9.2(a) below), 434,969 Performance Share Rights and 557,243 Restricted Share Rights, which are subject to performance and service conditions; and 273,721 Restricted Shares which are subject to transfer restrictions and included in Mr Calabria's indirect interest in Origin Shares disclosed in section 9.1(a) above; and
- Short-term incentives: As part of the Origin STIP (described in section 9.2(a) below), 198,696 Restricted Shares, which are included in Mr Calabria's indirect interest in Shares disclosed in section 9.1(a) above.

As at the Last Practicable Date, Frank Calabria also holds the following deferred cash:

- \$1,229,499, representing the deferred component of the STIP awarded in September 2023 in respect of the FY2023 performance period in the form of deferred cash (deferred for two years) rather than in Restricted Shares, and
- \$1,838,700 representing 75 per cent of the CY2023 LTIP awarded in September 2023 in the form of deferred cash (deferred for three years) rather than in share rights.

Further information about Origin's equity incentive arrangements for employees, and their proposed treatment should the Scheme become Effective, is set out in section 9.2 below.

If the Scheme becomes Effective, Mr Calabria's equity incentives (and deferred cash) will be dealt with on the basis described in section 9.2(b) below. Specifically:

- all of the Performance Share Rights and Restricted Share Rights held by Mr Calabria will vest and be exercised in full;
- all of the Restricted Shares held by Mr Calabria will have their trading restrictions lifted;
- all deferred cash granted to Mr Calabria under the STIP will have the deferral period waived and be paid in full (less applicable tax and superannuation); and
- all deferred cash granted under the LTIP will remain subject to the deferral period as defined and set out in the original terms and conditions, and will not be brought forward prior to Implementation.

No Origin Director acquired or disposed of a Relevant Interest in any Origin Equity Incentives during the four months before the date of this Scheme Booklet, other than Frank Calabria who disposed of 61,138 Restricted Share Rights and 183,416 Performance Share Rights on vesting of those incentives into Restricted Shares on 21 August 2023, as noted in section 9.1(a) above.

9.2 Origin equity incentive arrangements

a) Overview of arrangements

As detailed in Origin's annual report for the year ended 30 June 2023, Origin operates incentive plans under which Origin Equity Incentives and deferred cash entitlements are provided to senior management and other employees.

Short-Term Incentive Plan

Awards granted under the terms of Origin's Short-Term Incentive Plan (**STIP**) are paid to most eligible employees entirely in unrestricted and undeferred cash. However, senior management receive a deferred element as follows:

- the executive leadership team receives 50 per cent of the award in Restricted Shares with a deferral period of 2 years (and for awards made in September 2023 in respect of the FY2023 STIP performance period completed, these deferred elements were in the form of deferred cash instead of Restricted Shares); and
- other senior management receive 20 per cent of the award in Restricted Shares with a deferral period of one year (and for awards made in September 2023 in respect of the FY2023 STIP performance period completed, these deferred elements were in the form of deferred cash instead of Restricted Shares).

Restricted Shares are Origin Shares that are on issue, and therefore carry dividend entitlements and voting rights, but are subject to trading restrictions which means they cannot be disposed of by the holder (and may be forfeited if relevant service conditions are not maintained) prior to the expiry of the relevant deferral period.

Long-Term Incentive Plan

Under the terms of Origin's Long-Term Incentive Plan (LTIP), Origin executives receive an award of two approximately equal deferred elements:

- Performance Share Rights, each of which will vest into one Restricted Share after 3 years, subject to satisfaction of a financial performance condition, with the Restricted Shares subject to a further 2 year deferral period;
- Restricted Share Rights, which vest in 3 equal tranches subject to a review of underpinning non-financial conditions: 1/3rd vesting to an equivalent number of Restricted Shares after 3 years (with those Restricted Shares subject to a further 2 year deferral period), 1/3rd vesting to an equivalent number of Restricted Shares after 4 years (with those Restricted Shares subject to a further one year deferral period) and 1/3rd vesting to an equivalent number of unrestricted Origin Shares after 5 years; and
- Dividend equivalent share rights accrue in respect of each Performance Share Right and Restricted Share right that ultimately vests.

LTIP awards granted in September 2023 were in the form of deferred cash, to be paid in July 2026.

9. Additional information continued

Other employee share plans

As also detailed in Origin's annual report for the year ended 30 June 2023, Origin also operates an Employee Share Plan in which all eligible full-time and part-time employees can choose to participate in the following:

- awards of up to \$1,000 worth of Origin Shares annually, under the General Employee Share Plan, where Restricted Shares are issued with a deferral period of the earlier of three years or cessation of employment; or
- the Matching Share Plan (MSP) under which participants can acquire up to \$4,800 in Restricted Shares annually, which are subject to a deferral period of the earlier of two years or cessation of employment, and for every two Restricted Shares acquired (within a 12-month cycle), participants are granted one Matching Share Right at no cost, which vest after 2 years into an equivalent number of Origin Shares (provided the participant remains employed by Origin or is a 'good leaver').

Both the General Employee Share Plan and the Matching Share Plan are currently suspended. The Managing Director and Chief Executive Officer is not eligible to participate in either Plan.

Non-Executive Director Share Plan

Origin also has a Non-Executive Director Share Plan (**NEDSP**) under which each non-executive Origin Director may sacrifice up to 50 per cent of their annual base fees to acquire Share Rights. The number of allocated Share Rights is determined based on the VWAP of Origin Shares traded on the ASX over the 5 day trading period ending on the day before the relevant Grant Date of the Share Rights. Share Rights are granted twice a year following the announcement of Origin's half year and full year results, and vest into Restricted Shares after the end of the following 'closed period' under Origin's Dealing Securities Policy (i.e. Share Rights granted in February following the release of the half year results will vest in late August after the end of the closed period following the release of Origin's full year results). The restriction on the Restricted Shares allotted under the NEDSP ends on the earliest of the Origin Director ceasing to be a director of Origin, the end of the restriction time nominated by the Origin Director (up to 15 years), or when determined by the Origin Board. There is currently one non-executive Origin Director in the NEDSP, Joan Withers, who holds 3,980 Restricted Shares, and no new participant has entered the NEDSP since FY2022.

Current Origin Equity Incentives

- As at the Last Practicable Date, Origin had on issue:
- 4,268,058 Restricted Shares;
- 2,455,873 Performance Share Rights;
- 3,114,057 Restricted Share Rights; and
- 306,830 Matching Share Rights.

b) Implications of the Scheme for Origin Equity Incentives and deferred cash

Under the Scheme Implementation Deed, Origin must procure that no performance rights, options, warrants or any other securities or rights to receive shares, other than Origin Shares, are in existence on the Scheme Record Date.

In order to satisfy this requirement, and recognising the importance of the contribution of Origin Group employees, including those holding Origin Equity Incentives, and of retaining their services during the Scheme process, the Origin Board currently proposes and has determined in principle to treat outstanding Origin Equity Incentives as follows, subject in each case to the Scheme becoming Effective:

- All unvested Performance Share Rights, Restricted Share Rights and Matching Share Rights granted under the LTIP
 and MSP that remain outstanding will vest and be exercised in full and be satisfied through either the transfer of
 existing unallocated Origin Shares held in the Origin Employee Share Trust, new shares issued or acquired onmarket by Origin or cash settlement prior to the Special Dividend Record Date, subject to ASX granting the waiver
 referred to in section 9.6 below;
- All Restricted Shares will have their trading restrictions lifted prior to the Implementation Date;
- All deferred cash granted under the STIP will have the deferral period waived and be paid in full prior to the Implementation Date; and
- All deferred cash granted under the LTIP will remain subject to the deferral period as defined and set out in the original terms and conditions, and not brought forward prior to Implementation.

9.3 Other benefits and agreements

a) Interests of Origin Directors in Bidder Group securities

No Origin Director has a Relevant Interest in any securities in a Bidder Group Member.

No Origin Director has acquired or disposed of a Relevant Interest in any securities in a Bidder Group Member during the four months before the date of this Scheme Booklet.

b) Interests of Origin Directors in contracts with Bidder Group

No Origin Director has any interest in any contract entered into by a Bidder Group Member, or any of its related bodies corporate.

c) Benefits in connection with retirement from office

There is no payment or other benefit that is proposed to be made or given to any director, secretary or executive officer of Origin (or any of its related bodies corporate) as compensation for the loss of, or consideration for or in connection with his or her retirement from, office in Origin (or any of its related bodies corporate) in connection with the Scheme.

d) Deeds of indemnity, insurance and access

Origin has entered into deeds of indemnity, insurance and access with the directors of Origin, on customary terms (**D&O Deeds**). The D&O Deeds include terms that provide for Origin to indemnify each of its directors and officers against all liability arising as a result of such persons acting as a director or officer, to the extent permitted by law.

Origin also pays a premium in respect of a directors and officers insurance policy for the benefit of the directors and officers of Origin. If the Scheme is implemented, Origin will enter into an arrangement to provide run-off insurance coverage for all current Origin directors and officers for seven years from the Implementation Date. The entry into such arrangements by Origin is permitted by clause 8.3 of the Scheme Implementation Deed. In addition, under clause 8.3 of the Scheme Implementation Deed. In addition, under clause maintained for a period of seven years from the retirement of each director and officer.

e) Benefits from Bidder Group

No Origin Director has agreed to receive, or is entitled to receive, any benefit from any Bidder Group member, which is conditional on, or is related to, the Scheme.

f) Agreements connected with or conditional on the Scheme

Other than as disclosed in section 9.2, there are no agreements or arrangements made between any Origin Director and any other person in connection with, or conditional on, the outcome of the Scheme.

9.4 Scheme Implementation Deed

a) Introduction

On 27 March 2023, Origin, Bidder and Brookfield Renewable Group Australia Pty Ltd entered into the Scheme Implementation Deed, which governs the conduct of the Scheme.

A summary of the key terms of the Scheme Implementation Deed is set out below. A full copy of the Scheme Implementation Deed was released to ASX on 27 March 2023 and can be obtained from www.asx.com.au.

b) Origin Board recommendation

The Scheme Implementation Deed requires Origin to use its best endeavours to procure that each Origin Director, and the Origin Board collectively, does not adversely change, withdraw, adversely modify or adversely qualify its or their recommendation to vote in favour of the Scheme unless:

- the Independent Expert concludes that the Scheme is not in the best interests of Origin Shareholders;
- Origin has received a Superior Proposal and Origin has complied with its obligations under the exclusivity provisions in clause 11 of the Scheme Implementation Deed; or
- the change, withdrawal, modification or qualification occurs because of a requirement by a court, ASIC or the Takeovers Panel that one or more Origin Board Members abstain or withdraw from making a recommendation that Origin Shareholders vote in favour of the Scheme (Abstain Requirement).

9. Additional information continued

c) Conduct of business

The Scheme Implementation Deed requires that Origin carry on its business and operations in the ordinary and usual course (in all material respects).

In addition, Origin must also:

- perform its obligations under certain agreements between Origin and Australia Pacific LNG and comply with certain agreed obligations regarding joint ventures;
- maintain each of the applicable, necessary and material authorisations, accreditations, permits, approvals and licences of the Origin Group or Australia Pacific LNG and use reasonable efforts to renew them if necessary;
- keep Bidder informed of material developments regarding the Origin Group and Australia Pacific LNG business and provide Bidder with certain agreed information, and in relation to specified activities, keep Bidder informed and consult Bidder on decisions in respect of that activity;
- maintain material and necessary insurances held by the Origin Group and Australia Pacific LNG;
- not enter into new material line of business;
- use reasonable efforts to maintain the value of the business and assets of the Origin Group and Australia Pacific LNG and keep the services of the directors, officers and the executive leadership team of Origin and Australia Pacific LNG;
- use reasonable efforts to maintain and preserve Origin Group's and Australia Pacific LNG's relationship with Government Agencies, customers and suppliers, financiers, ratings agencies, property licensors and licensees, landlords and joint venturers;
- make reasonable efforts to procure that Origin Group Members do not enter into any new material contract, commitment or arrangement that does not relate to its relevant business (other than employee arrangements and arrangements which the Origin Group enters for the benefit of the group);
- not terminate or materially amend certain agreed material contracts relating to the Integrated Gas Business, or any other material contract where it would have a material adverse impact on the Integrated Gas Business or the Energy Markets Business (each as defined in the Scheme Implementation Deed); and
- procure that Australia Pacific LNG does not make certain changes to its work program and budgets and that it does not undertake certain activities requiring unanimous board approval.

The conduct of business obligations in the Scheme Implementation Deed only apply to Australia Pacific LNG to the extent that Origin is aware of the action (or should have reasonably been) and it is reasonably possible for Origin to require or prevent the action.

The restrictions and obligations listed above are subject to a number of exceptions, including exceptions which allow Origin to take any actions:

- required (or restricted) by any applicable law or regulation, or by a Government Agency, the Scheme Implementation Deed or the Scheme;
- required to give effect to the separation of the Energy Markets Business from the Integrated Gas Business (each as defined in the Scheme Implementation Deed);
- agreed to in writing by Bidder (not to be unreasonably withheld or delayed) or fairly disclosed to Bidder in certain due diligence materials;
- fairly disclosed in an announcement made by Origin in the three years prior to the date of the Scheme Implementation Deed;
- to reasonably and prudently respond to an emergency or disaster (subject to limitations);
- which is undertaken to respond to a Competing Proposal as permitted by the exclusivity provisions of the Scheme Implementation Deed; or
- in respect of Australia Pacific LNG, which conflicts with Australia Pacific LNG director's or other fiduciary duties or is reasonably likely to cause any Origin Group Member to breach any Australia Pacific LNG documentation.

d) Representations and warranties

The Scheme Implementation Deed contains customary representations and warranties given by each of Origin, Brookfield Renewable Group Australia Pty Ltd and Bidder to each other.

These representations and warranties are set out in Schedule 3 (in the case of Origin) and Schedule 2 (in the case of Brookfield Renewable Group Australia Pty Ltd and Bidder) of the Scheme Implementation Deed.



The Scheme Implementation Deed contains the following customary exclusivity provisions in favour of Brookfield Renewable Group Australia Pty Ltd and Bidder during the Exclusivity Period:

- No shop: Origin must not solicit, encourage or initiate any offers, expressions of interest, proposals or transactions in relation to, or that may be reasonably expected to encourage or lead to, a Competing Proposal, or communicate with any person an intention to do so;
- No talk: Subject to a fiduciary exception on market standard terms, Origin must not enter into, continue or participate in any negotiations or discussions, or negotiate, accept or enter into any agreements, arrangements or understandings, in relation to a Competing Proposal (or which would reasonably be expected to encourage or lead to a Competing Proposal);
- No due diligence: Subject to a fiduciary exception on market standard terms, Origin must not grant access to material non-public information relating to the Origin Group to any person who has submitted, or might reasonably be expected to submit, a Competing Proposal;
- Notification: Origin must notify Bidder (within 24 hours) if Origin becomes aware of any communications (or attempts to initiate communications) or any proposals made to Origin in respect of any expression of interest, offer, proposal or discussion in relation to an actual, proposed or potential Competing Proposal, or if there are any requests for, or provision by Origin of, any material non-public information about the Origin Group to any other person in connection with an actual, proposed or potential Competing Proposal; and
- Matching right: Origin must not make a public statement endorsing, or enter into a binding agreement, arrangement or understanding to undertake or implement, a Competing Proposal, unless:
 - the Origin Board acting in good faith determines that the Competing Proposal is, or would reasonably likely be, a Superior Proposal;
 - the Competing Proposal did not arise out of a breach of Origin's 'No Shop', 'No Talk' or 'No Due Diligence' obligations;
 - Origin has provided Bidder with the material terms and conditions of the Competing Proposal and Bidder has had at least 5 Business Days after receiving this information to provide a matching or superior proposal to the Competing Proposal; and
 - the Origin Board determines that Bidder has not, by the expiry of that 5 Business Day period, provided a proposal that matches or is superior to the terms of the Competing Proposal.

f) Reimbursement Fee

The Scheme Implementation Deed contains customary provisions requiring Origin to, in specified circumstances, pay to Bidder a reimbursement fee (also referred to as a break fee) of \$151,004,098 (which is approximately 1 per cent of the equity value of the Origin Group, determined by reference to the Scheme Consideration). The circumstances in which the reimbursement fee is payable do not include where the Scheme Implementation Deed is terminated because the Conditions Precedent are not satisfied (including failure by Origin Shareholders to approve the Scheme at the Scheme Meeting).

The obligation to pay the reimbursement fee will be triggered if during the Exclusivity Period:

- any member of the Origin Board fails to recommend or vote in favour of the Scheme as required by the Scheme Implementation Deed, or withdraws or adversely changes, modifies or qualifies their recommendation in relation to the Scheme, and Bidder has terminated the Scheme Implementation Deed, except where:
 - the Independent Expert concludes that the Scheme is not in the best interests of Origin Shareholders (except where that conclusion is due to the existence of a Competing Proposal);
 - the relevant Origin Director is subject to and is complying with an Abstain Requirement; or
 - Origin has given Bidder a termination notice due to a material breach of the Scheme Implementation Deed, or material breach of a warranty, by Bidder;
- any member of the Origin Board supports, or recommends that Origin Shareholders accept or vote in favour of, a Competing Proposal; or
- a Competing Proposal from a third party is announced during the Exclusivity Period and within 12 months of such announcement, that third party completes a Competing Proposal of a kind referred to in any of paragraphs 2, 3 or 4 of the definition of Completing Proposal, or acquires a Relevant Interest in, or Control of, more than 50 per cent of the Origin Shares or acquires substantially all of the assets of Origin.

9. Additional information continued

g) Termination

Each of Origin and Bidder may terminate the Scheme Implementation Deed:

- for material breach of the Scheme Implementation Deed (other than material breach of a warranty) which is not remedied within a specified period. In the case of a breach by Origin, this breach must be material in the context of the Integrated Gas Business or the Energy Markets Business (each as defined in the Scheme Implementation Deed);
- for failure of a condition precedent to the Scheme (as outlined in section 4.6);
- for a breach of warranty, which is not remedied within a specified period, where:
 - in the case of a breach by Origin, the relevant breach is material in the context of the Integrated Gas Business or Energy Markets Business (each as defined in the Scheme Implementation Deed); or
 - in the case of a breach by Bidder, the relevant breach is material in the context of the Scheme taken as a whole, or
- if agreed to in writing by Bidder and Origin.

Bidder may also terminate the Scheme Implementation Deed if any member of the Origin Board:

- fails to recommend the Scheme;
- withdraws or adversely changes or qualifies their recommendation in relation to the Scheme (excluding a statement that no action should be taken by Origin Shareholders pending assessment of a Competing Proposal by the Origin Board or the completion of the matching right process set out in clause 11.4 of the Scheme Implementation Deed); or
- makes a public statement to the effect that they no longer recommend the Scheme or recommending, supporting
 or endorsing another transaction,

other than where the relevant Origin Director is subject to or complies with an Abstain Requirement.

Origin may terminate the Scheme Implementation Deed if the Origin Board, or a majority of the Origin Board, has changed, withdrawn, modified or qualified its or their recommendation where permitted by the Scheme Implementation Deed and, if applicable, Origin has paid the reimbursement fee (described at section 9.4(f) above) to Bidder.

9.5 Consents, disclosures and fees

a) Consents

This Scheme Booklet contains statements made by, or statements said to be based on statements made by:

- Bidder and Brookfield in respect of the Bidder Information only;
- Grant Samuel as the Independent Expert;
- Gaffney, Cline & Associates as the Independent Technical Specialist; and
- Herbert Smith Freehills in respect of section 8 of this Scheme Booklet.

Each of those persons named above has consented to the inclusion of each statement it has made in the form and context in which the statements appear and has not withdrawn that consent at the date of this Scheme Booklet.

The following parties have given and have not, before the time of registration of this Scheme Booklet with ASIC, withdrawn their consent to be named in this Scheme Booklet in the form and context in which they are named:

- Barrenjoey and Jarden as financial advisers to Origin;
- Herbert Smith Freehills as legal adviser to Origin;
- PricewaterhouseCoopers as tax adviser to Origin in connection with the Scheme;
- Ernst & Young as the external auditor of Origin; and
- Boardroom Pty Limited as the Origin Share Registry.

b) Disclosures and responsibility

Each person named in section 9.5(a):

- has not authorised or caused the issue of this Scheme Booklet;
- does not make, or purport to make, any statement in this Scheme Booklet or any statement on which a statement in this Scheme Booklet is based, other than:
 - Bidder and Brookfield in respect of the Bidder Information only;
 - Herbert Smith Freehills in relation to the Taxation Information;
 - Grant Samuel in relation to its Independent Expert's Report; and
 - Gaffney, Cline & Associates in relation to its Independent Technical Specialist's Report; and
- to the maximum extent permitted by law, expressly disclaims all liability in respect of, makes no representation regarding, and takes no responsibility for, any part of this Scheme Booklet other than a reference to its name and the statement (if any) included in this Scheme Booklet with the consent of that party as specified in this section 9.5(b).

c) Fees

The fees set out in this section 9.5(c) only relate to fees paid or payable by Origin in connection with the Transaction and the preparation of this Scheme Booklet.

Each of the persons named in section 9.5(a) as performing a function in a professional, advisory or other capacity in connection with the preparation or distribution of this Scheme Booklet will be entitled to receive professional fees charged in accordance with their normal basis of charging.

In aggregate, if the Scheme is implemented, Origin expects to pay approximately \$141 million (excluding GST) in external transaction costs and other payments that relate to the Transaction. This includes:

- advisory fees and expenses for professional services provided to Origin (including for financial, legal, tax, accounting and separation advisers), the Independent Expert's fees, court fees, Origin Share Registry fees, printing and mailing costs and expenses associated with convening and holding the Scheme Meeting; and
- retention payments, in an aggregate amount not exceeding \$36.3 million, to certain Origin Group employees in
 order to retain their services during the Scheme process or to reflect the work that they have undertaken and will
 be required to undertake in connection with the Scheme process (in addition to the normal responsibilities of
 their roles).

In aggregate, if the Scheme is not implemented, Origin expects to pay approximately \$77.7 million (excluding GST) in transaction costs, being costs (including retention payments) that have already been incurred as at the date of this Scheme Booklet or will be incurred even if the Scheme is not implemented (but excluding any break fee that may be payable).

9.6 Regulatory relief

Origin has applied for a waiver of ASX Listing Rule 6.23.4 and, if deemed necessary by the ASX, ASX Listing Rule 6.23.3 to the extent necessary to permit the treatment of the Origin Equity Incentives set out in section 9.2.

9.7 No unacceptable circumstances

The Origin Directors believe that the Scheme does not involve any circumstances in relation to the affairs of Origin that could reasonably be characterised as constituting 'unacceptable circumstances' for the purposes of section 657A of the Corporations Act.

9.8 No other material information

Except as disclosed elsewhere in this Scheme Booklet, so far as the Origin Directors are aware, there is no other information that is:

- material to the making of a decision by an Origin Shareholder whether or not to vote in favour of the Scheme; and
- known to any Origin Director at the date of lodging this Scheme Booklet with ASIC for registration,

which has not previously been disclosed to Origin Shareholders.

9. Additional information continued

9.9 Supplementary disclosure

Origin will issue a supplementary document to this Scheme Booklet if it becomes aware of any of the following between the date of this Scheme Booklet and the Second Court Date:

- a material statement in this Scheme Booklet is false or misleading in a material respect;
- a material omission from this Scheme Booklet;
- a significant change affecting a matter included in this Scheme Booklet; or
- a significant new matter has arisen and it would have been required to be included in this Scheme Booklet if it had arisen before the date of this Scheme Booklet.

Depending on the nature and timing of the changed circumstances, and subject to obtaining any relevant approvals, Origin may circulate and publish any supplementary document by:

- making an announcement to the ASX;
- placing an advertisement in a prominently published newspaper which is circulated generally throughout Australia;
- posting the supplementary document to Origin Shareholders at their address shown on the Origin Share Register; and/or
- posting a statement on Origin's website at https://www.originenergy.com.au/,

as Origin, in its absolute discretion, considers appropriate.

10. Glossary

10.1 Definitions

In this Scheme Booklet, unless the context otherwise appears, the following terms have the meanings shown below:

Term	Meaning
ACCC	Australian Competition and Consumer Commission.
Additional Consideration	where the Implementation Date has not occurred by 30 November 2023, an amount equal to an additional \$0.001479 for each day that has elapsed from (and including) 1 December 2023 to (and including) the date on which Implementation occurs.
Affiliate	in respect of a person (the primary person), a person:
	1) Controlled directly or indirectly by the primary person;
	2) Controlling directly or indirectly the primary person; or
	3) who is Controlled, directly or indirectly, by a person or persons who Control the primary person.
ASIC	the Australian Securities and Investments Commission.
Associate	has the meaning set out in section 12 of the Corporations Act, as if subsection 12(1) of the Corporations Act included a reference to the Scheme Implementation Deed and Origin was the designated body.
Assumed Origin Share Number	the lower of the number of Origin Shares on issue as at the Scheme Record Date and 1,728,724,644 Origin Shares.
ASX	ASX Limited ABN 98 008 624 691 and, where the context requires, the financial market that it operates.
ΑΤΟ	the Australian Taxation Office.
AUD Scheme Consideration	the Australian dollar amount of the Scheme Consideration in respect of each Scheme Share determined in accordance with the Scheme, which, if the Scheme is implemented on or around 18 December 2023, is an amount equal to:
	1) \$11,391,211,919 divided by the Assumed Origin Share Number; <i>plus</i>
	2) the amount of any Additional Consideration; less
	3) the cash amount per Origin Share of the Permitted Dividends.
Australia Pacific LNG	Australia Pacific LNG Pty Limited (ABN 68 001 646 331).
Barrenjoey	Barrenjoey Advisory Pty Limited.
bbl	barrel of crude oil.
BEP	Brookfield Renewable Partners L.P.

10. Glossary continued

Term	Meaning
BGTF Consortium	the Brookfield-led consortium currently comprising the Brookfield Global Transition Fund I, Brookfield Renewable Partners L.P. and various passive institutional investors to be managed or advised by Brookfield, together with their institutional partners, Buckland Investment Pte. Ltd. (an indirectly wholly-owned subsidiary of GIC (Ventures) Pte. Ltd.) and Davis Investments Pte. Ltd. (an indirect wholly-owned subsidiary of Temasek Holdings (Private) Limited.
BGTF Consortium Member	a member of the BGTF Consortium.
Bid Conduct Deed	the bid conduct deed between EIG Management Company, LLC, Brookfield and Bidder dated 27 March 2023.
Bidder	MidOcean Reef Bidco Pty Ltd ABN 22 665 950 318.
Bidder Group	 Bidder and each of its Related Bodies Corporate; EIG and MidOcean Energy, LLC; Brookfield LP and each BGTE Consortium Member;
	4) each specified investor as agreed between Origin, Bidder and Brookfield Renewable Group Australia Pty Ltd; and
	5) each Related Entity or Affiliate of the above,
	which for the avoidance of doubt includes:
	6) Brookfield Corporation, Brookfield Asset Management Ltd. and any person Controlled directly or indirectly by Brookfield Corporation or Brookfield Asset Management Ltd.; and
	7) EIG Asset Management, LLC and any person Controlled directly or indirectly by EIG Asset Management, LLC,
	and a reference to a Bidder Group Member or a member of the Bidder Group is to any of them.
Bidder Director	a member of the Bidder board of directors.
Bidder Information	information regarding Bidder and each Bidder Group Member provided by Bidder to Origin in writing for inclusion in the Scheme Booklet, including:
	1) the entire content of section 6;
	 information about Bidder and other Bidder Group Members, their businesses, interests and dealings in Origin Shares, and funding for the Scheme; and
	3) any other information required under the Corporations Act, Corporations Regulations or RG 60 to enable the Scheme Booklet to be prepared that the parties to the Scheme Implementation Deed agree is 'Bidder Information' and that is identified in this Scheme Booklet as such.
	For the avoidance of doubt, the Bidder Information excludes the Origin Information, the Independent Expert's Report and any description of the taxation effect of the Transaction on Scheme Shareholders prepared by an external adviser to Origin.
Brookfield	Brookfield Corporation, Brookfield Asset Management Ltd. and, where appropriate, also includes each of their respective Affiliates.

Term	Meaning
Brookfield Corporation	Brookfield Corporation (Ontario Corporation Number 1644037) of Suite 100, 181 Bay Street, Toronto, ON M5J 2T3.
Brookfield EM Business	the business to be acquired by entities owned by Brookfield LP following the Internal Restructure and in accordance with the Terms of the Sale Transaction, comprising Origin Group's operations in respect of:
	 the Origin Group's energy retailing business (including the Community Energy Services business), generating assets (including gas fired peaking power stations, renewable energy generators, coal fired power station and pumped hydro power station), energy wholesale and trading businesses (including PPAs and swap contracts), development assets relating to energy production and storage (including the Eraring battery project and certain future fuels development projects) in Australia, the Origin Group's investment in Octopus Energy, a nature based carbon fund managed by Climate Asset Management and the Origin Group's LPG business and domestic gas trading business (including related fuel supply and gas transportation arrangements);
	2) certain future fuels and hydrogen development projects and the carbon offsets business that, prior to completion of the Internal Restructure, are part of the MidOcean IG Business;
	 any hedging, swap, derivative or analogous arrangements entered into by the Origin Group in connection with the Energy Markets Business as described in paragraph 1 of this definition; and
	4) the remaining business of the Origin Group other than the EIG IG Business.
Brookfield GP	EOS Aggregator GP Limited.
Brookfield LP	EOS Aggregator (Bermuda) L.P.
Buckland Investment	Buckland Investment Pte. Ltd.
Business Day	a day that is not a Saturday, Sunday, public holiday or bank holiday in Sydney, Australia.

10. Glossary continued

Term	Meaning
Competing Proposal	any offer, proposal, agreement, arrangement or transaction (or expression of interest), whether existing before, on or after the date of the Scheme Implementation Deed, which, if entered into or completed, would result in a person (either alone or together with any associate), other than Bidder and its Associates:
	 directly or indirectly acquiring a Relevant Interest in, or having a right to acquire, a legal, beneficial or economic interest in, or control of, 20% or more of the shares of Origin (other than as a custodian, nominee or bare trustee);
	2) acquiring control (within the meaning given in section 50AA of the Corporations Act) of Origin or any of its material Related Bodies Corporate;
	 3) directly or indirectly acquiring or becoming the holder of, or otherwise acquiring or having a right to acquire, a legal, beneficial or economic interest in, or control of, all or substantially all of the business or assets of: (a) Origin and its Related Bodies Corporate (as a whole); (b) the Integrated Gas Business; or (c) the Energy Markets Business;
	4) otherwise directly or indirectly acquire, merge or amalgamate with, or acquire a controlling shareholding or economic interest in all or substantially all of: (a) Origin and its material Related Bodies Corporate (as a whole); (b) the Integrated Gas Business; or (c) the Energy Markets Business, or in all or substantially all of the assets or business of: (a) Origin and its material Related Bodies Corporate (as a whole); (b) the Integrated Gas Business; or (c) the Energy Markets Business; or (c) the
	5) requiring Origin to abandon, or otherwise fail to proceed with, the Transaction,
	where Integrated Gas Business and Energy Markets Business are each as defined in the Scheme Implementation Deed.
ConocoPhillips	ConocoPhillips Australia Pacific LNG Pty Ltd and its subsidiaries.
Consortium	the consortium of investors comprising Brookfield Asset Management Inc., together with its affiliates and their managed funds, and MidOcean Energy, LLC, which is managed by EIG, who made a non-binding proposal on 10 November 2022 and revised proposal on 22 February 2023 for the acquisition of Origin.
Control	with respect to any person (other than an individual) the possession, directly or indirectly, of the power to direct or cause the direction of the management or policies of such person whether through the ownership of voting securities, by agreement or otherwise, and for the avoidance of doubt, a general partner is deemed to Control a limited partnership of which it is the general partner and, solely for the purposes of the Scheme Implementation Deed, a fund advised or managed directly or indirectly by a person will also be deemed to be Controlled by such person.
Corporations Act	the Corporations Act 2001 (Cth), as modified or varied by ASIC.
Court	the Supreme Court of New South Wales or such other court of competent jurisdiction under the Corporations Act agreed to in writing by Bidder and Origin.
CSG	coal seam gas.
Currency Election	has the meaning given in section 4.4.
Davis Investments	Davis Investments Pte. Ltd.

Term	Meaning
Deed Poll	a deed poll in the form of Annexure 3 under which Bidder covenants in favour of the Scheme Shareholders to perform the obligations attributed to Bidder under the Scheme.
Dividends	the Special Dividend (if paid) and the Permitted Dividends.
Effective	when used in relation to the Scheme, the coming into effect, under subsection 411(10) of the Corporations Act, of the order of the Court made under paragraph 411(4)(b) of the Corporations Act in relation to the Scheme.
Effective Date	the date on which the Scheme becomes Effective, currently expected to be 28 November 2023.
EIG	EIG Management Company, LLC.
Election Form	the election form that a Scheme Shareholder may request from the Origin Registry to make a Currency Election under which each Scheme Shareholder may elect to receive the USD Scheme Consideration in US dollars in respect of all of their Scheme Shares.
Election Time	7.00pm on 4 December 2023 or such other time as agreed in writing by Bidder and Origin.
End Date	30 April 2024, or such other date as agreed in writing by the parties.
Eos Finco	Eos Finco Pty Ltd (ACN 666 072 546).
Excluded Shareholder	any Origin Shareholder who is a member of the Bidder Group or any Origin Shareholder who holds any Origin Shares on behalf of, or for the benefit of, any member of the Bidder Group and does not hold Origin Shares on behalf of, or for the benefit of, any other person.
Exclusivity Period	the period from and including the date of the Scheme Implementation Deed to the earlier of:
	1) the date of termination of the Scheme Implementation Deed;
	2) the End Date; and
	3) the Effective Date.
FIRB	the Foreign Investment Review Board.
FIRB Applicant	in the single FIRB application to be submitted by Bidder in respect of clause 3.1(a) of the Scheme Implementation Deed:
	1) in respect of the Scheme Transaction - Bidder;
	2) in respect of the Sale Transaction – any relevant entity acquiring the Brookfield EM Business that is agreed between Origin, Bidder and Brookfield; and
	3) in respect of the Internal Restructure – each Origin Group Member acquiring an interest in an entity pursuant to the Internal Restructure where such acquisition constitutes a notifiable action and/or notifiable national security action under the <i>Foreign Acquisitions and Takeovers Act 1975</i> (Cth).

10. Glossary continued

Term	Meaning
First Court Date	the first day on which an application made to the Court for an order under subsection 411(1) of the Corporations Act convening the Scheme Meeting is heard, or, if the application is adjourned or subject to appeal for any reason, the day on which the adjourned application is heard.
Foreign Investment	each of the following:
Clearance	 the approval by the French Ministry for the Economy of the consummation of each of the Scheme and the Sale Transaction pursuant to articles L.151-3 and seq. and R.151-1 and seq. of the French <i>Code Monétaire et Financier</i> or written statement from the French Ministry for the Economy that no such approval is required for the consummation of each of the Scheme Transaction and the Sale Transaction pursuant to article R.151-4 of the French <i>Code Monétaire et Financier</i>;
	2) either (a) the prior approval of the Scheme or the Sale Transaction to the extent each of them is deemed to constitute a restricted transaction within the scope of article 7.bis of Spanish Law 19/2003, of 4 July, on the legal regime of capital flows and economical transactions with foreign countries (<i>Law 19/2003</i>), by the Council of Ministers or the Director General of International Trade and Investments (or any authority that assumes their role for these purposes), or (b) the confirmation in writing by the Deputy Director General of Foreign Investment (or any authority that assumes their role for these purposes) that the Scheme or the Sale Transaction is not a restricted transaction within the scope of the provision mentioned above; and
	3) any clearances, waivers, rulings, approvals, reliefs, confirmations, exemptions, consents or declarations, in any jurisdiction that are required by law, or by a Government Agency, to implement the Transaction as agreed by the parties in writing.
Government Agency	any foreign or Australian government or governmental, semi-governmental, administrative, fiscal or judicial body, department, commission, authority, tribunal, agency or entity (including any stock or other securities exchange), or any minister of the Crown in right of the Commonwealth of Australia or any State, and any other federal, state, provincial, or local government, whether foreign or Australian.
Grant Samuel	Grant Samuel & Associates Pty Limited.
GST	goods and services tax or similar value added tax levied or imposed in Australia under the GST Law or otherwise on a supply.
GST Act	the A New Tax System (Goods and Services Tax) Act 1999 (Cth).
GST Law	has the same meaning as in the GST Act.
GW	Gigawatt.
HY23 Interim Dividend	the interim dividend for the half year ending 31 December 2022, as announced by Origin on 16 February 2023.
Implementation	implementation of the Scheme.

Term	Meaning
Implementation Date	the fifth Business Day after the Scheme Record Date, or such other date after the Scheme Record Date as Origin, Brookfield Renewable Group Australia Pty Ltd and Bidder agree in writing, currently expected to be 18 December 2023.
Implied Scheme Consideration at March 2023	has the meaning given in the Letter from the Chair of the Origin Board.
Independent Expert	Grant Samuel, the independent expert in respect of the Scheme appointed by Origin.
Independent Expert's Report	the report issued by the Independent Expert in connection with the Scheme, as set out in Annexure 1.
Independent Technical Specialist	Gaffney, Cline & Associates.
Independent Technical Specialist's Report	the report of the Independent Technical Specialist prepared for inclusion in the Independent Expert's Report.
Initial Consideration	has the meaning given in section 1.2(c).
Internal Restructure	an internal restructure of the Origin Group, under which the Origin Group will be divided into two separate businesses being the MidOcean IG Business and the Brookfield EM Business.
ITAA 1997	Income Tax Assessment Act 1997 (Cth).
Jarden	any entity within the Jarden Group of companies, where 'Jarden Group' means Jarden Australia Pty Ltd, Jarden Securities Limited and any of their subsidiaries, affiliates, ultimate holding company and any subsidiaries or affiliates of such holding company.
Last Practicable Date	10 October 2023, being the last practicable trading date prior to the date of this Scheme Booklet.
Listing Rules	the official listing rules of the ASX.
LPG	liquified petroleum gas.
LNG	Natural Gas which is in a liquid state, at or below its boiling point and at a pressure of approximately one atmosphere.
MidOcean Energy	MidOcean Energy, LLC and its Affiliates.

10. Glossary continued

Term	Meaning
MidOcean IG Business	the business to be held by Bidder following completion of the Internal Restructure and Sale Transaction, comprising the Origin Group's operations in respect of:
	 its shareholding in Australia Pacific LNG and associated arrangements, including upstream operator, CSG marketing agent and corporate service provider services provided to Australia Pacific LNG;
	 the commodity and foreign exchange hedging arrangements associated with Origin's shareholding in Australia Pacific LNG and LNG trading activity as set out in the hedging protocol agreed between Bidder and Origin;
	3) its upstream gas exploration assets, including its interests in the Cooper-Eromanga Basin, conventional development resource in the offshore Browse Basin and residual rights and obligations in respect of the Canning Basin assets and the royalty agreement for the recently divested Beetaloo Basin assets; and
	 the sale and purchase of LNG as part of its LNG trading business and associated LNG hedging arrangements.
MMbbl	million barrels of oil.
MMboe	million of barrels of oil equivalent.
MMBtu	million British thermal units.
Mtpa	million tonnes per annum.
MW	megawatt = 10 ⁶ watts.
Natural Gas	any hydrocarbon or mixture of hydrocarbons consisting essentially of methane, other hydrocarbons and non-combustible gases in a gaseous state, which is extracted from the subsurface of the earth in its natural state, separately or together with liquid hydrocarbons.
NEM	National Electricity Market.
Octopus Energy	Octopus Energy Group Limited.
Origin	Origin Energy Limited ACN 000 051 696.
Origin Board	the board of directors of Origin.
Origin Director	a member of the Origin Board.
Origin Equity Incentives	 Origin share rights, being an entitlement to receive an Origin Share, or in certain circumstances a cash equivalent payment, subject to satisfaction of applicable vesting and/ or service conditions; and
	 Origin restricted shares, being Origin Shares which are subject to any restrictions based on performance or service conditions (including vesting conditions, disposal restrictions, holding locks, forfeiting restrictions or service conditions).

Term	Meaning
Origin Group	Origin and each of its Subsidiaries, and a reference to an Origin Group Member or a member of the Origin Group is to Origin or any of its Subsidiaries.
Origin Material Adverse Change	has the meaning given to it in clause 1.1 of Schedule 1 of the Scheme Implementation Deed.
Origin Prescribed Occurrence	has the meaning given to it in clause 1.1 of Schedule 1 of the Scheme Implementation Deed.
Origin Regulated Event	has the meaning given to it in clause 1.1 of Schedule 1 of the Scheme Implementation Deed.
Origin Share	a fully paid ordinary share in the capital of Origin.
Origin Share Register	the register of members of Origin maintained in accordance with the Corporations Act.
Origin Share Registry	Boardroom Pty Limited.
Origin Shareholder	each person who is registered as the holder of an Origin Share in the Origin Share Register.
Permitted Dividend	any interim dividend (in respect of the financial half-year ending 31 December) or final dividend (in respect of the financial year ending 30 June), in each case paid by Origin in accordance with the Scheme Implementation Deed on or before the Implementation Date, including:
	1) the interim dividend of 16.5 cents per Origin Share paid on 24 March 2023; and
	2) the final dividend of 20 cents per Origin Share paid on 29 September 2023.
PJ	petajoule = 10 ¹⁵ joules.
PPA	Power Purchase Agreement.
Proposed Transactions	has the meaning given in section 6.1.
Related Body Corporate	has the meaning given in section 50 of the Corporations Act.
Related Entity	 a Related Body Corporate; or an Affiliate.
Related Person	in respect of a party or its Related Entities, each director, officer, employee, adviser, agent or representative of that party or Related Entity. For the purposes of this definition, Brookfield is a Related Entity of Bidder.
Relevant Interest	has the meaning given in sections 608 and 609 of the Corporations Act.

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10. Glossary continued

Term	Meaning
Requisite Majorities	 in relation to the Scheme Resolution, a resolution passed by: 1) unless the Court orders otherwise, a majority in number (more than 50%) of Origin Shareholders present and voting at the Scheme Meeting (either in person or by proxy, attorney or, in the case of corporate Origin Shareholders, body corporate representative); and 2) at least 75% of the total number of votes cast on the Scheme Resolution at the Scheme Meeting by Origin Shareholders present and voting (either in person or by proxy, attorney or, in the case of corporate Origin Shareholders, body corporate representative).
Sale Transaction	the sale and purchase of the Brookfield EM Business, being subject to and to occur following completion of the Internal Restructure, in accordance with the steps agreed between Brookfield and Bidder.
Scheme	the scheme of arrangement under Part 5.1 of the Corporations Act between Origin and the Scheme Shareholders, the form of which is attached as Annexure 2, subject to any alterations or conditions made or required by the Court under subsection 411(6) of the Corporations Act and agreed to in writing by Bidder, Brookfield and Origin.
Scheme Booklet	this document being the explanatory statement in respect of the Scheme, which has been prepared by Origin in accordance with section 412 of the Corporations Act.
Scheme Consideration	 the consideration to be provided by Bidder in respect of each Scheme Share, determined in accordance with the Scheme, comprising: 1) the AUD Scheme Consideration, as adjusted in accordance with clause 4.3(b) of the Scheme Implementation Deed to deduct the Special Dividend of 39 cents if determined and paid by Origin; <i>plus</i> 2) the USD Scheme Consideration, which will be paid in Australian dollars, unless the Scheme Shareholder makes a valid Currency Election in which case it will be paid in US dollars.
Scheme Implementation Deed	the Scheme Implementation Deed dated 27 March 2023 between Origin, Bidder and Brookfield Renewable Group Australia Pty Ltd, a copy of which was released to the ASX on 27 March 2023.
Scheme Meeting	the meeting of Origin Shareholders (other than Excluded Shareholders) ordered by the Court to be convened under subsection 411(1) of the Corporations Act to consider and vote on the Scheme and includes any meeting convened following any adjournment or postponement of that meeting.
Scheme Record Date	7.00pm (Sydney time) on 11 December 2023 or such other time and date as Origin, Bidder and Brookfield Renewable Group Australia Pty Ltd agree in writing.
Scheme Resolution	the resolution to the terms of the Scheme, as set out in the Notice of Scheme Meeting in Annexure 4.
Scheme Shareholder	a holder of Origin Shares recorded in the Origin Share Register as at the Scheme Record Date (other than an Excluded Shareholder).
Scheme Shares	all Origin Shares held by the Scheme Shareholders as at the Scheme Record Date.

Term	Meaning
Scheme Transaction	the acquisition of the Scheme Shares by Bidder through implementation of the Scheme.
Second Court Date	the first day on which an application made to the Court for an order under paragraph 411(4)(b) of the Corporations Act approving the Scheme is heard, currently expected to be 27 November 2023, or, if the application is adjourned or subject to appeal for any reason, the day on which the adjourned application or appeal is heard.
Second Court Hearing	the hearing of the application made to the Court for an order pursuant to section 411(4)(b) of the Corporations Act approving the Scheme.
Special Dividend	a fully franked special dividend of 39 cents per Origin Share held by an Origin Shareholder as at the Special Dividend Record Date, which Origin may in its discretion determine to pay in accordance with the Scheme Implementation Deed.
Special Dividend Payment Date	the date of payment of the Special Dividend (if any), as determined by the Origin Directors in their sole discretion, currently expected to be 8 December 2023.
Special Dividend Record Date	the record date for the Special Dividend (if any), as determined by the Origin Directors in their sole discretion, currently expected to be 7.00pm (Sydney time) on 30 November 2023.
Stamp Duty	any stamp, transfer or transaction duty or similar charge imposed by the laws of an Australian state or territory.
Superior Proposal	a bona fide written Competing Proposal received by Origin that the Origin Board determines, acting in good faith:
	 is reasonably capable of being completed, taking into account all relevant aspects of the Competing Proposal (including its conditions, the identity and financial condition of the party or parties making the Competing Proposal, and all relevant legal, financial, regulatory and other matters); and
	2) would, or would be reasonably likely to, if completed substantially in accordance with its terms, provide a superior outcome overall for Origin Shareholders than the Transaction (as the Transaction is amended or varied based on the most recent proposal provided to Origin from Bidder, including following application of the matching right set out in the SID, if applicable), taking into account all relevant factors, including the terms, conditions and other aspects of the Competing Proposal and the Transaction.
Subsidiary	has the meaning given in Division 6 of Part 1.2 of the Corporations Act.
Takeovers Panel	the Australian Takeovers Panel.
Taxation Information	the description of the taxation effect of the Transaction on Scheme Shareholders contained in this Scheme Booklet, including section 8 (which information has been prepared by Herbert Smith Freehills).
TBtu	Trillion British thermal units.
Total Cash Payment	has the meaning given in section 4.2(b).

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Term	Meaning
Transaction	each of the Scheme and the Sale Transaction.
TWh	terawatt hour = 10 ⁹ kilowatt hours.
USD Scheme Consideration	the US dollar amount of the Scheme Consideration in respect of each Scheme Share determined in accordance with the Scheme, which, if the Scheme is implemented on or around 18 December 2023, is an amount equal to US\$2,836,766,740 divided by the Assumed Origin Share Number.
VWAP	volume weighted average price.

10.2 Interpretation

In this Scheme Booklet, unless expressly stated or the context otherwise appears:

- a) words and phrases have the same meaning (if any) given to them in the Corporations Act;
- b) words importing a gender include any gender;
- c) words importing the singular include the plural and vice versa;
- d) an expression importing a natural person includes any company, partnership, joint venture, association, corporation or other body corporate and vice versa;
- e) a reference to a section or annexure is a reference to a section of and an annexure to this Scheme Booklet as relevant;
- f) a reference to any statute, regulation, proclamation, ordinance or by law includes all statutes, regulations, proclamations, ordinances, or by laws amending, varying, consolidating or replacing it and a reference to a statute includes all regulations, proclamations, ordinances and by laws issued under that statute;
- g) headings and bold type are for convenience only and do not affect the interpretation of this Scheme Booklet;
- h) a reference to time is a reference to time in Sydney, Australia;
- i) a reference to writing includes facsimile transmissions; and
- j) a reference to dollars, \$, cents, ¢ and currency is a reference to the lawful currency of the Commonwealth of Australia.

Annexure 1. Independent Expert's Report

 18 October 2023 The Directors Origin Energy Limited 100 Barangaroo Avenue Barangaroo NSW 2000 Dear Directors Porposal from the BGTF Consortium and MidOcean On 27 March 2023, Origin Energy Limited ("Origin") announced that it had entered into a binding scheme implementation deed with Brookfield Renewable Group Australia Pty Ltd and MidOcean Ref BidCo Pty Ltd '(MidOcean') for the acquisition by a Brookfield-led consortium 0° investors (the "BGTF Consortium") and EIG Management Company, LLC ('EIG') (together, the 'Consortium") of all the issued shares in Origin by way of a scheme of arrangement ('Scheme'). Under the Scheme, Origin shareholders will receive total consideration ("Scheme consideration") of²: § 56.589 per share; plus OtsSL 641 per share. Shareholders will have the Scheme consideration paid in Australian dollars unless they lete to have the US dollar component of the Scheme consideration paid in US dollars. If no election is made, the US dollar component of the Scheme consideration paid in US dollars. If no election is made, the US dollar component of the Scheme consideration paid in US dollars. If no election is made, the US dollar component of the scheme consideration paid in Scheme. The Scheme consideration payable will be reduced by any dividends paid to Schemelolers on 24 March 2023 and the final 50.20 per share fully franked dividend paid to shareholders on 25 September 2023. The reduction in the Scheme consideration. a fully franke special dividend of 50.39 per share may be paid to shareholders subject to certain proto the scheme special dividend of \$0.39 per share may be paid to shareholders subject to certain proto the scheme topical dividend of \$0.39 per share may be paid to shareholders subject to certain proto tomplementation, of the Scheme and will reduce the Australian dollar component of the caber consideration payable to shareholder; and A neutron complexe entits that contol		GRANT SAMUEL
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	 the cash consideration payable to shareholders will be increased by approximately 4.5 cents per month (accruing on a daily basis)⁴ to the extent that implementation of the Scheme is delayed beyond 30 November 2023. Based on the implementation date set out in the Scheme Booklet of 18 December 2023, shareholders will receive additional consideration of \$0.027 per share.
	As a result, at the date of this report, the cash consideration that will be received by shareholders (excluding any special dividend) will comprise:
	 \$6.251 per share (i.e. \$6.589 per share reduced by the interim \$0.165 per share dividend paid to shareholders on 24 March 2023 and the final \$0.20 per share dividend paid to shareholders on 29 September 2023 and increased by the additional consideration of \$0.027 per share); plus
	 US\$1.641 per share.
	The Scheme followed a number of earlier change of control proposals from the Consortium, including an initial indicative proposal on 8 August 2022 at a cash consideration of \$7.95 per share ⁵ and a further indicative proposal on 18 September 2022 at a cash consideration of \$8.70-8.90 per share ⁵ (neither of which was announced to the market at the time they were received as they were confidential) as well as an indicative, conditional and non-binding proposal at a price of \$9.00 cash per share ⁵ ("Indicative Proposal") announced to the market on 10 November 2022 and a revised conditional and non-binding proposal at a price of \$8.90 per share ⁵ ("Revised Proposal") announced to the market on 22 February 2023.
	The Scheme is subject to a number of conditions and regulatory approvals that are set out in Section 4.6 of the Scheme Booklet. Other elements of the Scheme include customary exclusivity and competing proposal notifications provided by Origin to the Consortium and a matching right in favour of the Consortium, the potential payment of a reimbursement fee by Origin (\$151 million) in certain circumstances should the Scheme not proceed and an obligation for Origin to ensure that no Origin equity incentives are in existence on the Scheme record date.
	The Origin Board has unanimously recommended that shareholders vote in favour of the Scheme, in the absence of a superior proposal and subject to an independent expert concluding that the Scheme is in the best interests of Origin shareholders. Subject to the same qualifications, each Origin director intends to vote all shares they hold or control in Origin in favour of the Scheme.
	The directors of Origin have engaged Grant Samuel & Associates Pty Limited ("Grant Samuel") to prepare an independent expert's report setting out whether, in its opinion, the Scheme is in the best interests of Origin shareholders. A copy of the report (including this letter) will accompany the Scheme Booklet to be sent to shareholders by Origin. This letter contains a summary of Grant Samuel's opinion and main conclusions.
2	Opinion
	Grant Samuel has concluded that the Scheme is fair and reasonable. Accordingly, in Grant Samuel's opinion, the Scheme is in the best interests of Origin shareholders in the absence of a superior proposal.
4	The additional consideration is equal to \$0.001479 per share for each day that has elapsed from (and including) 1 December 2023 to (and including) the date on which implementation occurs.
5	Reduced by the value of any dividends declared or paid by Origin prior to implementation of the proposed scheme of arrangement. The cash consideration under the Revised Proposal comprised \$8.90 per share for the first 100,000 shares held by each Origin shareholder and for shares above that threshold, \$4.334 per share plus US\$3.194 per share.



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	and the substantial earnings contribution from the legacy gas contract with APLNG that expires in
•	the EBITDA multiple should be higher than AGL Energy (5.5 times FY24 EBITDA, excluding a premium for control) which has a very strong generation position (compared to Origin post Eraring). However, over 80% of AGL Energy's electricity production comes from coal-fired power. As a result, it faces much higher maintenance capital costs (around \$500 million per annum), substantially higher rehabilitation costs albeit to be incurred over a longer period (Loy Yang A and Bayswater are scheduled to close between 2030 and 2035) and a monumental challenge to develop a pipeline of renewable projects to replace its coal-fired power generation capacity. It expects to deploy \$3-4 billion in capital to develop 5GW by 2030 and another \$5-6 billion to develop another 7GW by 2046.
The "no	e implied multiples for Energy Markets are consistent with these views, once earnings are ormalised" from FY24 levels.
Gra a " ana Ene	ant Samuel's valuation of Octopus Energy's business operations is consistent with value implied by roll forward" of the most recent capital raising in December 2021 (at the low end) with the DCF alysis supporting the high end of the valuation range (particularly following completion of the Shell ergy Retail acquisition).
Wł op 12 lag im mu Mo mu po	while the historical multiples implied by Grant Samuel's valuation of Octopus Energy's business erations are reasonably consistent with the transaction evidence (of 7.5-8.5 times EBITDA and 11- 5 historical EBIT), this is largely coincidental. Octopus Energy's FY23 earnings were inflated by the ged recovery of the FY22 increase in wholesale energy prices through customer tariffs and the oblied historical multiples would be higher based on "normalised" FY23 earnings. The implied litiples based on FY24 and FY25 EBITDA from the Octopus Energy Business Operation Cash Flow odel ⁹ are considerably higher, and well above comparable transaction and comparable trading litiples. In Grant Samuel's view, these high multiples are appropriate having regard to the growth teential of Octopus Energy's business operations.
The sup cus cus bus int	e implied enterprise value per customer is much higher than most of the "pure" retail energy oply comparable transactions but generally towards the low end or below the enterprise value per stomer implied by the trading prices of comparable companies. Implied enterprise value per stomer is an imprecise measure of value and reflects the specific attributes of Octopus Energy's siness operations including, in particular, its lower cost to serve and the value of its other egrated businesses, especially its Platform Licensing business.
Re	cent transactions involving interests in APLNG provide useful cross checks of the business erations valuation range adopted by Grant Samuel:
•	ConocoPhillips' March 2023 agreement to acquire an additional 2.49% interest in APLNG from EIG for US\$500 million (subject to successful completion of the Scheme) appears to value the equity in APLNG at 30 June 2023 (after adjustments) at ~\$26.3 billion on a 100% basis, which equates to ~\$7.25 billion for Origin's equity share. The value of Origin's interest in APLNG implied by the transaction falls within the range adopted by Grant Samuel even though there are some arguments for a discount to that value; and
٠	Origin's sale of a 10% interest in APLNG to ConocoPhillips which was completed in February 2022 implied a value for the equity in APLNG of ~\$20 billion, which equates to a value for Origin's 27.5% equity interest of ~\$5.5 billion. While this value is well below the range adopted by Grant Samuel, domestic gas, LNG and oil prices were lower when the transaction was announced in October 2021 relative to prices today and the US\$/A\$ exchange rate was higher (at ~0.75







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ORIGIN – PREMIUM OVER PRE-ANNOUNCEMENT PRICES

		PREMIUM			
PERIOD	ORIGIN SHARE PRICE/VWAP	ON ANNOUNCEMENT (HEDGED) ¹²	ON ANNOUNCEMENT (SPOT) ¹³	US\$/A\$ EXCHANGE RATE OF 0.65	
9 November 2022 – closing price	\$5.81	53.4%	56.2%	56.8%	
1 month prior to 9 November 2022 – VWAP	\$5.60	59.0%	62.0%	62.6%	
3 months prior to 9 November 2022 - VWAP	\$5.76	54.7%	57.6%	58.2%	
6 months prior to 9 November 2022 – VWAP	\$5.94	50.2%	52.9%	53.5%	
12 months prior to 9 November 2022 – VWAP	\$5.88	51.5%	54.3%	54.9%	

The premiums are well above the level of premiums typically associated with takeovers in Australia (of 20-35%) particularly in view of the absence of strategic integration benefits or synergies (other than some savings in corporate costs). However, it is important to recognise that premiums for control are an outcome not a determinant of value and they vary widely depending on individual circumstances.

In this case, the extent of the premium is probably attributable to the subdued market perceptions of Origin and its business outlook at the time of announcement of the Indicative Proposal on 10 November 2022. For example:

- Origin's FY22 results announcement on 18 August 2022 reported consolidated statutory EBITDA of only \$18 million and a net loss of \$1.4 billion (following a \$2.3 billion net loss in FY21) and underlying EBITDA for Energy Markets of \$401 million, a ~60% reduction from FY21;
- the first of Origin's public upgrades of its earnings prospects for FY23 did not occur until 19
 October 2022 when EBITDA guidance for Energy Markets was increased to \$500-650 million
 (compared to an actual EBITDA of \$1.04 billion);
- the overall energy market was still in a heightened state of disarray with volatile prices and threats to the viability of energy producers and retailers. The coal price cap (which had a major impact on Eraring's earnings) and the gas price cap were not announced until December 2022. The DMO/VDO for FY24 would not be released for some months; and
- Octopus Energy was still incurring losses at an EBITDA level.

In short, the path back to normality was fraught with uncertainty.

It is impossible to reliably determine what the "unaffected" Origin share price might have been at the end of March 2023 when the Scheme was announced or what it would be now. However, it is reasonable to assume it would be well above the \$5.50-6.00 level that it was trading at prior to 10 November 2023. Accordingly, the effective implied premium for control is less than it appears in the table above.

While the status quo is an alternative, it is not without risk and an alternative offer from a third party, while conceivable, is unlikely

In deciding whether to vote for or against the Scheme, shareholders need to have regard to the alternatives that are realistically available to them. In this regard:

 the status quo is a viable alternative for Origin but is not without risk or the possibility of shareholders having to invest further funds. The primary challenge for a standalone Origin is funding the potential pipeline of investment/development opportunities to participate in the

¹² As announced to the market by Origin on 27 March 2023, this amount differs from the \$8.90 value contained in Origin's 22 February 2023 announcement due to certain hedging gains realised subsequent to that date. The effective US\$/A\$ exchange rate is 0.6992.

 $^{^{\}rm 13}$ $\,$ At the spot US\$/A\$ exchange rate on 24 March 2023 of 0.6645.







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FINANCIAL SERVICES GUIDE AND INDEPENDENT EXPERT'S REPORT IN RELATION TO THE PROPOSAL BY THE BGTF CONSORTIUM AND MIDOCEAN

GRANT SAMUEL & ASSOCIATES PTY LIMITED ABN 28 050 036 372

18 OCTOBER 2023

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	FINANCIAL SERVICES GUIDE	
Grant provid	Samuel & Associates Pty Limited ("Grant Samuel") holds Australian Financial Services Licence e financial product advice on securities and interests in managed investments schemes to whol	No. 240985 authorising it to lesale and retail clients.
The Co conne provid	rrporations Act, 2001 (Cth) ("Corporations Act") requires Grant Samuel to provide this Financ tion with its provision of an independent expert's report ("Report") which is included in a docum ed to members by the company or other entity ("Entity") for which Grant Samuel prepares the	cial Services Guide ("FSG") in nent ("Disclosure Document") Report.
Grant and re produ	Samuel does not accept instructions from retail clients. Grant Samuel provides no financial se ceives no remuneration from retail clients for financial services. Grant Samuel does not provid ct advice to retail investors nor does it provide market-related advice to retail investors.	rvices directly to retail clients le any personal retail financial
When from t Austra reimb	providing Reports, Grant Samuel's client is the Entity to which it provides the Report. Grant Sam he Entity. In respect of the Report for Origin Energy Limited in relation to the proposal from lia Pty Ltd and MidOcean Reef BidCo Pty Ltd ("the Origin Report"), Grant Samuel will receive a ursement of out-of-pocket expenses for the preparation of the Report (as stated in Section 8.3 of	nuel receives its remuneration Brookfield Renewable Group fixed fee of \$2.25 million plus of the Origin Report).
No rel or any	ated body corporate of Grant Samuel, or any of the directors or employees of Grant Samuel or or associate receives any remuneration or other benefit attributable to the preparation and provi	of any of those related bodies ision of the Origin Report.
Grant of Rep The fo	Samuel is required to be independent of the Entity to provide a Report. The guidelines for inde orts are set out in Regulatory Guide 112 issued by the Australian Securities & Investments Co Ilowing information in relation to the independence of Grant Samuel is stated in Section 8.3 of 1	ependence in the preparation mmission on 30 March 2011. the Origin Report:
	"Grant Samuel and its related entities do not have at the date of this report, and have previous two years, any business or professional relationship with Brookfield Corporatio Management Ltd and each of their respective affiliates or MidOcean or any financial or other reasonably be regarded as capable of affecting its ability to provide an unbiased opinion Scheme.	not had within the n, Brookfield Asset r interest that could n in relation to the
	Grant Samuel had no part in the formulation of the Scheme. Its only role has been the prepar	ration of this report.
	Grant Samuel will receive a fixed fee of \$2.25 million for the preparation of this report. This for on the conclusions reached or the outcome of the Scheme. Grant Samuel's out of pocket exp the preparation of the report will be reimbursed. Grant Samuel will receive no other benefit of this report.	iee is not contingent senses in relation to for the preparation
	Grant Samuel considers itself to be independent in terms of Regulatory Guide 112 issued by the 2011."	he ASIC on 30 March
Grant No. 11 Gover Austra	Samuel has internal complaints-handling mechanisms and is a member of the Australian Fir 929. If you have any concerns regarding the Origin Report, please contact the Compliance (or Macquarie Tower, 1 Farrer Place, Sydney NSW 2000. If you are not satisfied with how we r lian Financial Complaints Authority at GPO Box 3 Melbourne VIC 3001 or 1800 931 678. This serv	nancial Complaints Authority, Officer in writing at Level 19, respond, you may contact the vice is provided free of charge.
Grant	Samuel holds professional indemnity insurance which satisfies the compensation requirements	of the Corporations Act.
	Samuel is only responsible for the Origin Report and this FSG. Complaints or questions about the	e Disclosure Document should

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Appendices

1 Glossary of Abbreviations and Technical Terms

2 Broker Consensus Forecasts

3 Selection of Discount Rates

4 Independent Technical Specialist's Report





















Electricity generators are exposed to wholesale energy prices (which at times may be highly volatile) but often enter into financial contracts (e.g. derivatives) to hedge that exposure. Similarly, the retail market is exposed to wholesale energy prices, although retailers often mitigate this risk by owning generation assets and/or by entering into a portfolio of longer term supply agreements and financial hedging contracts.

While there are independent generators and retailers, the electricity industry often features "gentailers" such as Origin's Energy Markets business which operate in both the generation and retail segments of the energy industry (albeit with varying degrees of vertical integration) so as to more efficiently manage their risk exposure to energy price volatility. In contrast, the gas industry features retailers with more limited upstream gas production capacity (and a diverse range of independent gas producers).













 \sum_{14}

¹² Includes operating and maintenance costs and fuel costs.

¹³ Source: AEMC, Annual Market Performance Review, 2022.












The three LNG export facilities are:

- APLNG (Australia Pacific LNG), owned by Conoco Philips, Origin and Sinopec;
- GLNG (Gladstone LNG), owned by Santos, Petronas, Total and KOGAS; and QCLNG (Queensland LNG), owned by Shell, CNOOC and Tokyo Gas.



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4º LNG netback price is the LNG export price less shipping and liquefaction costs.	23	Source: Reserve Bank of Australia, Understanding the East Coast Gas Market, 2021. LNG netback price is the LNG export price less shipping and liquefaction costs.





Energy retailers typically sell electricity and/or gas to residential or industrial consumers at an agreed price. While most contracts can be short term (around a year), the larger contracts (e.g. for large industrial users) are typically longer term in nature (1-3 years).

For electricity markets, a retail price cap for default offers was introduced in 2019 to protect customers from high prices and to enable retailers to recover costs to service customers (e.g. wholesale, network, environmental and retail costs). In New South Wales, south east Queensland and South Australia the price cap is set by the AER on 1 July each year and is known as the default market offer ("DMO"). Similarly, a price cap is set annually in Victoria, albeit issued by the Essential Services Commission and known as the Victorian Default Offer ("VDO"). However, in the NEM around 10% of households and 18% of small businesses are on plans where the price cap applies²⁵. Amidst volatile energy markets, the annual price determination has led to a lag in the policy's reaction to the recent surge in spot prices. Consequently, the

²⁵ Source: AER, Final Determination 2023-24 Factsheet, May 2023.



fewer participants.

While energy retailers still principally compete on price, the uncertain industry backdrop has urged energy retailers continue to differentiate their offering through other ways such as providing:

- price certainty (e.g. fixed rates and/or discounts);
- digital and analytical capabilities, which provide customers insight on their consumption patterns (and in turn flexibility and incentives to adjust how and when they consumer energy);
- multi-product essential services (i.e. bundling), including electricity, gas, telecommunications and broadband; and

²⁶ For residential customers without controlled load retail costs, inclusive of GST.

















Pricing

LNG producers and consumers have historically generally entered into long term gas supply contracts of 15 to 20 years or more in duration, both to underpin the funding of the project developments and to provide certainty of supply to LNG consumers. More recently, however, the share of LNG sold on the spot market or under short term (less than two years) and medium term (two to five years) contracts has increased. This development has taken place in the context of rising liquefaction capacity and oil price volatility and is, in part, a result of growing demand, supply and price uncertainty.

LNG prices in most long term contracts are linked to an energy index, with different indices and methodologies used in different regions. Australian LNG suppliers participate principally in the North Asian market, where the major customers are Japan, China, South Korea and Taiwan. Contracts for supply in the North Asian market are generally priced relative to the Japan Customs-cleared Crude benchmark, also known as the Japanese Crude Cocktail ("JCC"). The JCC is the average price of customs-cleared crude oil imports into Japan and is calculated on a monthly basis. The JCC typically moves in line with benchmark oil prices, albeit with a time lag reflecting the timing of deliveries:







While the vast majority of LNG cargoes into north-east Asia continue to be supplied under long term oillinked contracts, and new project developments are generally supported by such contractual arrangements, an increasingly liquid spot market for LNG has developed. Spot cargoes are generally priced by reference to the Platts Japan-Korea Marker ("JKM") index, first launched in 2009. The JKM index reflects the spot market value of cargoes delivered into Japan, South Korea, China and Taiwan. In recent years, JKM pricing has been highly correlated with European gas pricing, demonstrating the globalised nature of gas markets. JKM pricing has also been broadly (at least directionally) consistent with oil-based LNG pricing, although through 2021 and 2022 (and particularly September 2022) spot LNG prices spiked dramatically in response to energy shortfalls in both Asian and Europe. Outside of project finance requirements, the structure of longer term LNG contracts may ultimately migrate towards incorporating some direct pricing references to spot LNG, depending in part on the future role of oil in Asian energy systems.

Western Australia has its own policy that mandates LNG producers to reserve 15% of their LNG production for domestic use. They are also required to develop the necessary infrastructure and market gas to fulfill domestic gas commitments.

Domestic Gas

All the LNG joint ventures in Queensland sell surplus gas from their upstream fields to the domestic gas market. A discussion of the East Coast market is set out in Section 3.1.

	GRANT SAMUEL
4	Profile of Origin
4	4.1 Overview
I	Background
(i	Origin was established in February 2000 when Boral Limited ("Boral") demerged its energy business from its building and construction materials business. At the time of the demerger, Origin's operations were:
	 exploration for and production of natural gas in Australia and New Zealand, including interests in conventional gas and CSG assets in central Queensland through an 85.23% interest in ASX-listed Oil Company of Australia Limited ("OCA"). The remaining 14.77% of OCA was acquired in September 2003;
	 an energy infrastructure asset management business providing services primarily to ASX-listed Envestra Limited in which Origin held a 19.97% interest. This business was sold to APA Group in July 2007;
	 development and operation of gas-fired power stations and cogeneration projects in Australia; and
	 retailing of natural gas, LPG, electricity and related energy services to 1.2 million retail customers in Australia. It also supplied LPG in New Zealand and the South Pacific, wholesale traded LPG, electricity and natural gas in Australia and supplied autogas in Australia.
 	Following the demerger, Origin focused on integrating its business across the competitive or non-regulated segments of the energy supply chain (i.e. fuel supply, transportation, generation and customers (retail and business)) in Australia and New Zealand through acquisitions, major development projects and organic growth. Key investments and acquisitions included:
	energy retailing in Australia, through acquisition of the retail electricity businesses of Powercor in June 2001 (582,000 customers primarily in western Victoria) and CitiPower (260,000 retail customers and 4,000 commercial and industrial customers in Victoria) in August 2002 as well as Sun Retail (840,000 electricity customers and 55,000 LPG customers predominantly in south east Queensland) in February 2007. In January 2011, Origin became one of Australia's largest integrated energy companies, acquiring the retail electricity businesses of Country Energy and Integral Energy in New South Wales (1.6 million customer accounts);
	extending its footprint in New Zealand through the acquisition of a:
	• 50% interest in the Kupe Gas Field in New Zealand in February 2004. The Kupe gas project commenced operations in 2010; and
	 51.4% interest in Contact Energy Limited ("Contact Energy"), a New Zealand listed integrated generator and retailer in October 2004.
	Origin subsequently exited New Zealand, divesting its (then) 53.09% shareholding in Contact Energy in 2015 and selling its 50% interest in the Kupe gas project to Beach Energy Limited ("Beach Energy") in January 2018 as part of the Lattice Energy Limited ("Lattice Energy") divestment (refer below);
	 additional generation capacity (particularly from natural gas and, more recently, from renewable energy sources including contracting supply through PPAs) and the acquisition of prospective natural gas resources.
	Origin's generation acquisitions included a 50% interest in the South West Cogeneration Joint Venture in Western Australia in July 2001, Mount Stuart Power Station, a 288MW (now 423MW) gas turbine peaking plant in Townsville, Queensland in December 2002, Uranquinty Power Station, a 640MW (now 692MW) gas-fired peaking plant in New South Wales in July 2008, WindPower and its development portfolio, including Stockyard Hill Wind Farm (530MW) in Victoria in May 2009



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 di Ta W Ei (e en co Today, employ listed c Busine	sposing of its interest in erritory (in November 20 /estern Australia (annou romanga Basin and anno excluding those relating f ntering into an agreeme ompleted in September 3 Origin is the one of the yees. Prior to announce on the ASX with a market ess Operations	the Beetaloo Ba 122), its interests nced in February uncing an intent to APLNG and th nt to sell its LPG 2023). largest integrate ment of the Indii t capitalisation o	sin unconventional gas joint venture in the Northern in the Canning Basin joint venture exploration permits in 2023) and its interest in five permits in the Cooper- ion to exit its remaining upstream exploration permits ³² ose in the Browse Basin); and business in the Pacific (in November 2022, with the sale d energy companies in Australia and has more than 5,500 cative Proposal, Origin was one of the 50 largest entities f approximately \$10 billion.		
Origin'	s business operations ar	e summarised be	elow:		
		ORIGIN -	BUSINESS OPERATIONS		
BUSIN	ESS	BRAND	ACTIVITIES		
Energy Markets		origin	 One of Australia's largest energy businesses with 4.5 million customer accounts (across retail (consumer and SME), business (commercial and industrial) and wholesale) providing electricity, gas, LPG and broadband services to customers predominantly in Australia 7,800MW power generation portfolio diversified by fuel and geography, including Australia's largest fleet of gas-fired peaking power stations, a substantial contracted fuel position and the black coal-fired Eraring power station (includes 1,755MW of owned and contracted renewables and storage) 		
Octopu (20% ir	is Energy iterest)	octopus one gy	 Global renewable energy and technology business Supplies electricity and gas to 5.5 million retail customers (9.7 million retail customer accounts)³³ primarily in the United Kingdom (where it is the second largest energy retailer) as well as Germany, the United States, Japan, Italy, France, New Zealand and Spain Licences its proprietary digital customer service platform, <i>Kraken</i>, to energy retailers globally including Origin, E.ON, EDF.UK and Plenitude, with more than 40 million contracted customer accounts 		
ated Gas	APLNG (27.5% interest)	CALIFICATION A	 Australia's largest CSG reserves base with 2P reserves of 10,949PJ at 30 June 2023 (100% basis) Largest LNG facility on the Australian east coast with a 9mtpa nameplate capacity Export of LNG and domestic supply of gas, with two 20 year LNG export offtake agreements in place to 2035 (7.6mpta to Sinopec and 1mtpa to Kansai Electric) and one of the largest suppliers to the East Coast domestic market 		
Integr	Other Integrated Gas	na	 Overhead costs (net of recoveries from APLNG) and costs incurred as upstream operator and corporate service provider to APLNG, costs associated with growth initiatives such as hydrogen and costs incurred in managing Origin's exposure to LNG pricing risk and impacts of its LNG trading positions A potential conventional development resource in the offshore Prover Paria 		

The number of customers accounts is greater than the number of customers as most customers in the United Kingdom have accounts for both electricity and gas (dual fuel customers). As a result, United Kingdom customer accounts are a multiple of 1.8 times United Kingdom customers.



Strategy

Origin refreshed its strategy in March 2022, formalising a strategic framework based on sustainable value creation through the decarbonisation of the energy system, taking advantage of growth opportunities from the energy transition and using its "privileged" assets and its scale, brand, product and platform capabilities as a foundation for growth, with an ambition to "lead the transition to net zero through cleaner energy and customer solutions".

This strategic framework is supported by a disciplined capital allocation framework which is underpinned by a strong balance sheet and the ability to invest in growth and increase shareholder returns.

Executing this strategy focuses on three strategic pillars:

- unrivalled customer solutions, with a focus on creating customer value through:
 - adopting a new operating model and migrating customers to the *Kraken* platform, delivering lower costs, a leaner operation, lower churn and improved speed to market for products. Origin has delivered over \$150 million in cash cost reductions³⁵ and remains committed to deliver on its \$200-250 million target by FY25;

³⁵ Excluding the impact of rising bad and doubtful debt expenses.

³⁴ Contribution to underlying EBITDA excludes the corporate segment.

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•	superior customer experience. Investments in data analytics and digital capabilities collectively aim to enhance Origin's ability to deliver a personalised and tailored experience for its retail customers: and
•	new products. Expanding its product offering across new segments such as broadband, solar, batteries, VPP and e-mobility that can provide multi-product bundling opportunities and reduce customer churn rates;
• a	ccelerate renewables and cleaner energy, with a focus on:
•	directly investing in the development of a multi-GW pipeline of renewable energy projects and firming capacity (e.g. batteries and virtual power plants);
•	leveraging its large retail base to underpin new renewable energy developments through third party offtake agreements; and
•	maintaining the largest fleet of thermal peaking generation assets in the NEM by providing reliable, firming energy to support the industry-wide transition to renewable energy sources.
L t c	onger term ambitions target "hard-to-abate" sectors including ammonia manufacturing and ransportation. Origin is in partnership with third parties (e.g. Orica Limited ("Orica"), ENEOS corporation and Aluminium Revolutionary Chassis Company) to explore hydrogen opportunities to educe the carbon footprint of these sectors; and
= c	leliver reliable energy through the transition, through:
•	its 27.5% interest in APLNG which is a low cost supplier of substantial and stable levels of gas for domestic and export customers;
•	the Eraring power station which continues to support the reliability and security of the NEM unti its retirement;
•	its existing thermal peaking generation assets which play a critical role in providing capacity and firming as coal-fired generators retire and are replaced by intermittent renewables; and
•	its leading domestic wholesale gas position which enables Origin to transport gas from diverse sources across the East Coast to support its gas fired generation fleet as well as residential, business and wholesale customers.
Succes Austra (and, i evolve	isfully delivering on these priorities will be important to maintaining Origin's leading position in ilian energy market but will likely involve significant capital investment in the near-to-medium term n any event, is not without risk as the requirements to meet the energy transition continue to e).
4.2	Financial Performance
	rical Financial Performance
Histo	

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	FY20 ACTUAL	FY21 ACTUAL	FY22 ACTUAL	FY23 ACTUAL
	RESTATED	RESTATED		
Increase/(decrease) in fair value and foreign exchange movements	460	(813)	1,131	105
Impairments	(746)	(1,504)	(2,196)	-
Business restructuring	(22)	(25)	(83)	(126)
Disposals	-	(13)	(114)	(44)
Other	(650)	(18)	(14)	260
Total items excluded from underlying profit (pre-tax)	(958)	(2,373)	(1,276)	195
Income tax benefit/(expense)	64	(222)	(560)	113
Total items excluded fro underlying profit (post-tax)	(894)	(2,595)	(1,836)	308

Source: Origin and Grant Samuel analysis

³⁶ See Appendix 1 for the definition of EBITDA, EBIT and underlying revenue.

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Fair value and foreign exchange movement commodity hedging interest rate swaps :	nts reflect fair v and other finan	alue gains/(loss cial instruments	ses) associated	with Juded from
underlying earnings to remove the volatil	ity caused by ti	ming mismatche	es in valuing fir	ancial
instruments and the underlying transaction	ons to which the	ey relate. Valua	tion changes a	re
subsequently recognised in underlying ea	rnings when the	e underlying tra	insactions are s	ettled.
Impairments in FY20 related to Origin's in	vestment in AP	LNG and were p	primarily cause	d by revised o
and LNG price assumptions over the med	ium and long te	rm. In FY21 and	d FY22, impairr	nents related
to Origin's Energy Markets business. In F	Y21, there were	impairments to	o goodwill and	generation
assets, primarily as a result of lower whol	esale commodi alue of derivativ	ly prices and hig	gner near term ated with the h	gas supply
high wholesale electricity and gas prices r	esulted in the r	equirement to	recognise an in	pairment of
goodwill (but did not reflect the performa	ince of the Ener	gy Markets bus	siness).	
Business restructuring costs in FY22 and F	Y23 include cos	sts relating to th	ne implementat	tion of the
million of costs relating to the proposed a	call segment of Icquisition of Or	rigin by the Con	s and, in FY23, sortium.	nciuae \$24
FY22 disposals included a \$113 million loss divestment of a 10% interest in APLNG and	on Origin's APL in FY23 include	NG equity accounts of the second s	unted investme n loss on dispos	nt following i al of Beetaloo
"		•		
"Other" is primarily the LGC net shortfall	charge, significa	ant onerous con	tracts and othe	er provisions.
"Other" is primarily the LGC net shortfall The income tax expense applicable to iter	charge, significans s excluded fro	ant onerous con m underlying p	itracts and othe	er provisions. ne deferred ta
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 "Other" is primarily the LGC net shortfall The income tax expense applicable to iter liability recognised and utilised in relatior utilised in FY23) and the net CGT on dives Underlying financial performance, which includ Octopus Energy and APLNG, provides a better historical underlying financial performance of (ORIGIN – HISTORICAL UNDERL Underlying revenue³⁶ Underlying EBITDA Underlying depreciation and amortisation³⁷ Underlying income tax benefit/(expense) Non-controlling interests Underlying NPAT attributable to Origin shareholders STATISTICS Underlying earnings per share Dividends as a % of free cash flow 	charge, significa ns excluded fro to Origin's APL tment of a 10% des Origin's pro understanding o Drigin for FY20 f YING FINANCIAL FY20 ACTUAL RESTATED 15,889 3,122 (1,804) 1,318 (126) (174) (3) 1,015 57.6c 25.0c 27%	m underlying p NG investment interest in APL portionate inter of Origin's finan to FY23 is summ PERFORMANCE FY21 ACTUAL RESTATED 14,601 2,036 (1,497) 539 (133) (90) (2) 314 17.8c 20.0c 31%	tracts and other rofit includes the (initially recog NG (in FY22). rest in the EBIT cial performan harised below: (\$ MILLIONS) FY22 ACTUAL 19,007 2,114 (1,587) 527 (126) 10 (4) 407 23.2c 29.0c 47%	er provisions. he deferred t. hised in FY21 DA and NPAT ce. The FY23 ACTUAL 24,442 3,107 (1,690) 1,417 (134) (533) (3) 747 43.4c 36.5c 66%
 "Other" is primarily the LGC net shortfall The income tax expense applicable to iten liability recognised and utilised in relatior utilised in FY23) and the net CGT on dives Underlying financial performance, which includ Octopus Energy and APLNG, provides a better historical underlying financial performance of (ORIGIN – HISTORICAL UNDERL Underlying revenue³⁶ Underlying EBITDA Underlying depreciation and amortisation³⁷ Underlying income tax benefit/(expense) Non-controlling interests Underlying newspace share Dividends per share Dividends per share Dividends as a % of free cash flow Amount of dividend franked 	charge, significa ns excluded fro to Origin's APL tment of a 10% des Origin's pro understanding o Drigin for FY20 f YING FINANCIAL FY20 ACTUAL RESTATED 15,889 3,122 (1,804) 1,318 (126) (174) (3) 1,015 57.6c 25.0c 27% 60%	ant onerous com m underlying p NG investment interest in APL portionate inter of Origin's finan to FY23 is summ PERFORMANCE FY21 ACTUAL RESTATED 14,601 2,036 (1,497) (133) (90) (2) 314 17.8c 20.0c 31% 0%	tracts and other rofit includes the (initially recog NG (in FY22). rest in the EBIT cial performan harised below: (\$ MILLIONS) FY22 ACTUAL 19,007 2,114 (1,587) 527 (126) 10 (4) 407 23.2c 29.0c 47% 43%	er provisions. he deferred t. hised in FY21 DA and NPAT ce. The FY23 ACTUAL 24,442 3,107 (1,690) 1,417 (134) (533) (3) 747 43.4c 36.5c 66% 100%
 "Other" is primarily the LGC net shortfall The income tax expense applicable to iter liability recognised and utilised in relatior utilised in FY23) and the net CGT on dives Underlying financial performance, which incluc Octopus Energy and APLNG, provides a better historical underlying financial performance of (ORIGIN – HISTORICAL UNDERL Underlying revenue³⁶ Underlying BITDA Underlying BITDA Underlying income tax benefit/(expense) Non-controlling interests Underlying variable to Origin shareholders STATISTICS Underlying earnings per share Dividends as a % of free cash flow Amount of dividend franked Underlying revenue growth 	charge, significa ns excluded fro to Origin's APL tment of a 10% des Origin's pro understanding o Drigin for FY20 f YING FINANCIAL FY20 ACTUAL RESTATED 15,889 3,122 (1,804) 1,318 (126) (174) (3) 1,015 57.6c 25.0c 27% 60%	ant onerous com m underlying p NG investment interest in APLI portionate inter of Origin's finan to FY23 is summ PERFORMANCE FY21 ACTUAL RESTATED 14,601 2,036 (1,497) 539 (133) (90) (2) 314 (90) (2) 316 (2) (2) 316 (2) (2) (2) (2) (2) (2) (2) (2) (2) (2)	tracts and other rofit includes the (initially recoge NG (in FY22). rest in the EBIT cial performan harised below: (\$ MILLIONS) FY22 ACTUAL 19,007 2,114 (1,587) 527 (126) 10 (4) 407 23.2c 29.0c 47% 43% +30%	er provisions. he deferred t. hised in FY21. DA and NPAT ce. The FY23 ACTUAL 24,442 3,107 (1,690) 1,417 (134) (533) (3) 747 43.4c 36.5c 66% 100% +29%
 "Other" is primarily the LGC net shortfall The income tax expense applicable to iten liability recognised and utilised in relatior utilised in FY23) and the net CGT on dives Underlying financial performance, which includ Octopus Energy and APLNG, provides a better historical underlying financial performance of (ORIGIN – HISTORICAL UNDERL Underlying revenue³⁶ Underlying BITDA Underlying depreciation and amortisation³⁷ Underlying BBIT Net finance costs Underlying Interests Underlying NPAT attributable to Origin shareholders STATISTICS Underlying as a % of free cash flow Amount of dividend franked Underlying EBITDA growth 	charge, significa ns excluded fro to Origin's APL tment of a 10% des Origin's pro understanding o Drigin for FY20 f YING FINANCIAL FY20 ACTUAL RESTATED 15,889 3,122 (1,804) 1,318 (126) (174) (3) 1,015 57.6c 25.0c 27% 60%	ant onerous com m underlying p NG investment interest in APL/ portionate inter of Origin's finan to FY23 is summ PERFORMANCE FY21 ACTUAL RESTATED 14,601 2,036 (1,497) 539 (133) (90) (2) 314 (2) 314 (2) 314 (2) 314 (2) 314 (3) (3) (3) (2) 314 (3) (3) (3) (3) (3) (3) (3) (3) (3) (3)	tracts and other rofit includes the (initially recogn NG (in FY22). rest in the EBIT cial performant harised below: (\$ MILLIONS) FY22 ACTUAL 19,007 2,114 (1,587) 527 (126) 10 (4) 407 23.2c 29.0c 47% 43% +30% +4%	er provisions. he deferred t. hised in FY21 DA and NPAT ce. The FY23 ACTUAL 24,442 3,107 (1,690) 1,417 (134) (533) (3) 747 43.4c 36.5c 66% 100% +29% +47%
 "Other" is primarily the LGC net shortfall The income tax expense applicable to iten liability recognised and utilised in relatior utilised in FY23) and the net CGT on dives Underlying financial performance, which includ Octopus Energy and APLNG, provides a better historical underlying financial performance of (ORIGIN – HISTORICAL UNDERL Underlying revenue³⁶ Underlying EBITDA Underlying bepreciation and amortisation³⁷ Underlying income tax benefit/(expense) Non-controlling interests Underlying PAT attributable to Origin shareholders STATISTICS Underlying as a % of free cash flow Amount of dividend franked Underlying EBITDA growth EBITDA margin 	charge, significa ns excluded fro to Origin's APL tment of a 10% des Origin's pro understanding o Origin for FY20 f YING FINANCIAL FY20 ACTUAL RESTATED 15,889 3,122 (1,804) 1,318 (126) (174) (3) 1,015 57.6c 25.0c 27% 60% 20%	ant onerous com m underlying p NG investment interest in APLI portionate inter of Origin's finan to FY23 is summ PERFORMANCE FY21 ACTUAL RESTATED 14,601 2,036 (1,497) 539 (133) (90) (2) 314 (2) 314 (2) 314 (2) 314 (3) (3) (3) (3) (3) (3) (3) (3) (3) (3)	tracts and other rofit includes the (initially recogn NG (in FY22). rest in the EBIT cial performant harised below: (\$ MILLIONS) FY22 ACTUAL 19,007 2,114 (1,587) 527 (126) 10 (4) 407 23.2c 29.0c 47% 43% +30% +4% 11%	er provisions. he deferred tanised in FY21 DA and NPAT ce. The FY23 ACTUAL 24,442 3,107 (1,690) 1,417 (134) (533) (3) 747 43.4c 36.5c 666% 100% +29% +47% 13%



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 FY20, when a dividend marginally below to uncertainty and lower commodity prices 	this range was declared in light at the time; and	of the considerable economi
 FY23, when a dividend above the target r strong balance sheet and a significant on 	ange was declared, reflecting t e-off increase in working capita	he improved earnings outloo II.
In recent years, interim and final dividends have Origin had made low tax payments due to low divestment. However, Origin began paying ful	ve typically been unfranked (or earnings, once off deductions ly franked dividends in FY23.	only partially franked) as and a capital loss on
Outlook		
On 17 August 2023, in conjunction with the rel guidance for FY24 and FY25. This earnings gui October 2023. Subject to there being no mate environment:	lease of its FY23 financial result dance was updated at Origin's rial change in market condition	ts, Origin provided earnings Annual General Meeting on 1 ns and the regulatory
 Origin expects Energy Markets FY24 under expected to improve as higher wholesale increased contribution from Eraring and as a result of higher procurement costs a reduction in electricity gross profit as reg 	erlying EBITDA of \$1.4-1.7 billio electricity prices flow through the peaking fleet, and gas gross s supply contracts are repriced ulated customer tariffs decline	n, with electricity gross profit to customer tariffs and an s profit expected to moderate . In FY25, Origin anticipates a in line with wholesale costs;
 Origin's share of Octopus Energy's FY24 E outcomes, reflecting stronger retail comp customers); 	BITDA is expected to be lower betition (despite a full year con	with a wide range of possible tribution from Bulb Energy
 while APLNG production is expected to in be impacted by higher operating expendi workover and optimisation programs and expenditure in FY25 and FY26 is expected 	ncrease, Origin's share of APLN iture primarily due to higher po d higher non-operated develop d to be lower; and	G's FY24 EBITDA is expected t wer costs, increased well ment activity. Operating
 LNG trading EBITDA is expected to be \$40 FY26. 	D-60 million in FY24 and \$450-6	00 million across FY25 and
Origin has not publicly released specific earnin indication of the expected future financial per forecasts for Origin (see Appendix 2) as follow:	gs forecasts for FY24 or beyond formance of Origin, Grant Samu s:	d. To provide a more defined uel has considered brokers'
ORIGIN – FORECAST FI	INANCIAL PERFORMANCE (\$ MILL	IONS)
	FY23 ACTUAL	FY24 BROKER CONSENSUS (MEDIAN)
Underlying EBITDA	3,107	3,383
		1 976

 .3 Financial Position he financial position of Origin at 30 June 2023 is summarised below: ORIGIN – FINANCIAL POSITION (\$ MILLIONS) Trade and other receivables Inventories Trade and other payables Net working capital Property, plant and equipment (net) 	AT 30 JUNE 2023 ACTUAL 2,548 180
.3 Financial Position he financial position of Origin at 30 June 2023 is summarised below: ORIGIN – FINANCIAL POSITION (\$ MILLIONS) Trade and other receivables Inventories Trade and other payables Net working capital Property, plant and equipment (net)	AT 30 JUNE 2023 ACTUAL 2,548 180
he financial position of Origin at 30 June 2023 is summarised below: ORIGIN – FINANCIAL POSITION (\$ MILLIONS) Trade and other receivables Inventories Trade and other payables Net working capital Property, plant and equipment (net)	AT 30 JUNE 2023 ACTUAL 2,548 180
ORIGIN – FINANCIAL POSITION (\$ MILLIONS) Trade and other receivables Inventories Trade and other payables Net working capital Property, plant and equipment (net)	AT 30 JUNE 2023 ACTUAL 2,548 180
ORIGIN – FINANCIAL POSITION (\$ MILLIONS) Trade and other receivables Inventories Trade and other payables Net working capital Property, plant and equipment (net)	AT 30 JUNE 2023 ACTUAL 2,548 180
Trade and other receivables Inventories Trade and other payables Net working capital Property, plant and equipment (net)	AT 30 JUNE 2023 ACTUAL 2,548 180
Trade and other receivables Inventories Trade and other payables Net working capital Property, plant and equipment (net)	2,548 180
Inventories Trade and other payables Trade and other payables Net working capital Property, plant and equipment (net)	180
Trade and other payables Net working capital Property, plant and equipment (net)	100
Net working capital Property, plant and equipment (net)	(2.288)
Property, plant and equipment (net)	440
	2,705
Right-of-use assets (net)	464
Investments accounted for using the equity method	6,255
Goodwill	1,964
Other intangible assets	529
Derivative financial instruments (excluding those relating to borrowings) (net)	601
Other financial assets/(liabilities) (net)	390
Assets held for resale (net)	86
Deferred tax liabilities	(386)
Provisions	(1,142)
Other assets/(liabilities) (net)	(200)
Total funds employed	11,706
Cash and cash equivalents	463
Debt	(2,713)
Net debt (excluding lease liabilities)	(2,250)
Lease liabilities	(545)
Net debt (including lease liabilities)	(2,795)
Net assets	8,911
Fourier attributable to Origin shareholders	8 891
	0,031
Shares on issue at period end (million)	1.721
Net assets per share	\$5.17
NTA per share	\$3.45
Gearing	24%
Adjusted net debt/adjusted EBITDA	1.2x
purce: Origin and Grant Samuel analysis	

Melbourne" and "Gaschem Brisbane" (the "Gaschem joint ventures") with a carrying value of \$10 million.

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	Origin also has a 29% interest in Gasbot Pty Limited ("Gasbot") with a carrying value of nil. Gasbot designs and manufactures low cost hardware and software solutions and a suite of products for the management and optimisation of gas deliveries for LPG distributors.
	Origin's Energy Markets activities, particularly its generation assets, are capital intensive and its investment in property, plant and equipment is substantial. Goodwill primarily relates to historical retail acquisitions (e.g. Integral Energy and Country Energy).
	Other notable items included in Origin's financial position at 30 June 2023 are:
	 Origin uses a range of derivative financial instruments to manage its exposure to various commodity price, interest rate and foreign exchange risks. Derivative financial instruments are carried on the balance sheet at fair value and, due to the volatility in energy markets and the size of Origin's operations can represent a substantial variable component of funds employed;
	 other financial assets and liabilities represent:
	 futures collateral (measured at amortised cost) of \$(11) million;
	• \$129 million in Settlement Residue Distribution Agreement units ³⁸ (measured at fair value);
	 environmental scheme surrender obligations net of environmental scheme certificates held (measured at fair value) of \$(20) million; and
	 investments in investment fund units, equity securities, debt instruments and debt and other securities (measured at fair value other than debt instruments which are measured at amortised cost) with a carrying value of \$292 million;
	 net assets held for resale represent Origin's:
	 LPG business in the Pacific. Origin entered into an agreement to sell this business in November 2022, with the sale subject to fulfilment of conditions precedent which had not been satisfied at 30 June 2023 (although the sale subsequently completed in September 2023); and
	 participating interests in seven exploration permits in the Canning Basin, the respective joint operating agreements and the farm-in agreements. Origin executed an agreement with Buru Energy Limited ("Buru Energy") to exit these interests in February 2023 but settlement of the transaction remains subject to regulatory approvals.
	The terms of the sale include Origin providing up to \$4 million to Buru Energy to fund a seismic survey and for Buru Energy providing Origin with future reimbursement payments of up to \$34 million, conditional on the achievement of key development and production milestones;
	 deferred tax liabilities primarily relate to Origin's investment in APLNG;
	 provisions³⁹ are primarily for restoration and onerous contracts as well as employee benefits; and
	 non-controlling interests represent the minority interests in Origin Energy PNG Ltd (33.3% interest), Fiji Gas Pte Ltd (49% interest) and Origin Energy Solomons Ltd (20% interest). These non-controlling interests primarily relate to Origin's LPG business in the Pacific (which Origin has entered into an agreement to sell).
	Net debt consists principally of capital markets borrowings:
³⁸ N	arket participants such as Origin that operate in more than one region of the NEM can be exposed to price differences between egions. This risk is managed by Origin purchasing units that provide it with a right to receive a portion of inter-regional settlements esidue.
³⁹ P a	rovisions also includes "other" which primarily relates to costs for compliance with safety standard requirements relating to the Eraring sh dam wall, costs associated with the Eraring Power Station closure and a make good provision relating to existing property leases).

	C A M I I I			
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ORIGIN – NET DEBT	AT 30 JUNE 2023	(\$ MILLIONS)		
FACILITY	FACILITY SIZE	CARRYING VA	LUE TER	M/MATURITY
Bank loans	3,364	(515)		FY26-FY27
Capital market borrowings		(2,198)		
Bank guarantees	753	-		FY25-FY27
Total debt		(2,713)		
Cash and cash equivalents ⁴⁰		370		
Debt related derivatives (at fair value)		11		
Net debt (excluding lease liabilities)		(2,332)		
Lease liabilities		(545)		
Net debt (including lease liabilities)		(2,877)		
term maturities. The average interest rate on dra Origin had total liquidity (cash balance ⁴⁰ plus und At 30 June 2023, Origin had a gearing ratio of 249 20-30%) and an adjusted net debt to adjusted un range of 2.0-3.0 times). Origin has an investment grade credit rating of Ba 4.4 Cash Flow Origin's cash flow for EY20 to EY23 is summarised	awn debt was 5. Irawn debt facilit % (towards the n iderlying EBITDA aa2 (stable outlo	0%. ties) at 30 June : niddle of its targ ratio of 1.2 time nok) from Mood	2023 of \$3.2 et range of es (well belc y's.	: billion. approximatel w its target
		ONS)		
OKIGIN - CA		0.03)		
	FY20 ACTUAL	FY21 ACTUAL	FY22 ACTUAL	FY23 ACTUAL
Underlying EBITDA	3,122	2,036	2,114	3,107
Non-cash items in underlying EBITDA ⁴¹	(1,754)	(1,027)	(1,979)	(2,304)
	(202)	68	590	(1,061)
Changes in working capital				
Changes in working capital Tax (paid)/refund	(215)	31	(27)	(193)
Changes in working capital Tax (paid)/refund Other	(215)	31 (144)	(27)	(193) (182)
Changes in working capital Tax (paid)/refund Other Operating cash flow	(215) - 951	31 (144) 964	(27) (167) 531	(193) (182) (633)
Changes in working capital Tax (paid)/refund Other Operating cash flow Capital expenditure	(215) - 951 (500)	31 (144) 964 (339)	(27) (167) 531 (336)	(193) (182) (633) (475)
Changes in working capital Tax (paid)/refund Other Operating cash flow Capital expenditure Distribution from APLNG	(215) - 951 (500) 1,275	31 (144) 964 (339) 709	(27) (167) 531 (336) 1,595	(193) (182) (633) (475) 1,783

⁴⁰ Cash and cash equivalents exclude \$93 million of cash held by Origin as upstream operator, to fund APLNG related operations.
 ⁴¹ Primarily (profits)/losses from Octopus Energy and APLNG as well as non-cash expenses.

47

(161)

(231)

949

7

(392)

(189)

1,963

3,172

(205)

72

(120)

422

(165)

234

(292)

1,503

Investments/acquisitions

Interest paid (net)

Free cash flow

Disposals

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ORIGIN - CASH FLOW (\$ MILLIONS) (CONT)

	FY20 ACTUAL	FY21 ACTUAL	FY22 ACTUAL	FY23 ACTUAL
On-market purchase of shares	(75)	(96)	(325)	-
Dividends paid	(478)	(343)	(314)	(576)
Payment of lease liabilities	(75)	(76)	(73)	(71)
Joint venture operator cash call movements	56	(90)	(70)	66
APLNG loan (repayment)/proceeds	(8)	(3)	(51)	-
Settlement of foreign currency contracts	(55)	(65)	(46)	(48)
AEMO deposits	-	-	(290)	290
Proceeds from other financial liabilities	108	306	125	57
Net cash generated/(used) ⁴²	976	582	2,128	136
Net cash/(debt) ⁴³ – opening	(6,050)	(5,098)	(4,293)	(2,235)
Effect of exchange rate changes on cash and debt and other non-cash movements in debt	(24)	223	(70)	(131)
Cash and cash equivalents held for sale at year end	-	-	-	(20)
Net cash/(debt) ⁴³ – closing	(5,098)	(4,293)	(2,235)	(2,250)

Source: Origin and Grant Samuel analysis

Free cash flow has been variable over the past four years primarily due to variability in cash distributions from APLNG and significant swings in futures exchange collateral⁴⁴ (reflecting the volatility in underlying commodity prices and shown in the movement in working capital) and the sale of a 10% interest in APLNG in FY22. In FY23, free cash flow was adversely impacted by a significant increase in working capital in the Energy Markets business (driven by the unwind of higher priced net creditors for wholesale energy and higher customer tariffs impacting outstanding receivables), an increase in Integrated Gas (excluding APLNG) working capital (primarily reflecting the cash settlement timing of LNG trading activities) and the unwinding of the futures exchange collateral.

To better reflect the cash flows from Origin's underlying business, certain items are excluded to determine adjusted free cash flow:

ORIGIN – ADJUSTED FREE CASH FLOW (\$ MILLIONS)

	FY20	FY21	FY22	FY23
	ACTUAL	ACTUAL	ACTUAL	ACTUAL
Free cash flow	1,503	949	3,172	422
Major growth capital expenditure	141	191	318	253
APLNG proceeds	-	-	(1,957)	-
Futures exchange collateral	-	(110)	(471)	290
Adjusted free cash flow	1,644	1,030	1,062	965

Source: Origin and Grant Samuel analysis

Major growth capital expenditure primarily represents cash payments associated with the investment in Octopus Energy, *Kraken* implementation costs and, in FY23, the Eraring battery project.

Origin aims to deliver sustainable shareholder returns through the business cycle, targeting a payout range of 30-50% of free cash flow in the form of ordinary dividends and/or on-market share buy-backs. Any remaining cash flow is used to reduce debt, invest in organic growth and acquisition opportunities and/or undertake additional capital management initiatives.

 $^{^{\}rm 42}$ $\,$ Net cash generated/(used) is before the repayment of or proceeds from debt.

⁴³ For the purposes of the cash flow, net debt excludes lease liabilities. Lease payments are included in the cash flows.

⁴⁴ Futures exchange collateral relates to cash deposited with the futures exchange associated with gas and electricity hedge positions.



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 approximately 75 of Origin's most ("I TI") plan I TI awards are award 	senior roles are eligible f	or participation in the	long term incentive
five years (subject to performance	conditions) and with tot	al deferral periods up	to five years:
• 50% of each award is subject	to a financial condition,	awarded as performar	nce share rights ⁴⁵ ; and
 the other 50% of each award rights⁴⁵. 	is subject to non-financi	al conditions, awarded	as restricted share
Vesting of LTI awards is also subjec Share rights do not carry any divid represents a right to a fully paid or the period from grant to exercise o equivalent payment to settle the d	t to service and personal end or voting entitlemen rdinary share and additio on a reinvested basis. Th lividend-equivalent amou	conduct and perform ts but, on vesting, eac nal shares equal to the e Board has the discre- unt.	ance requirements. h vested share right e value of dividends in tion to make a cash
The Board generally purchases shares o share rights (held as treasury shares), b including cash or deferred cash.	n-market to satisfy the d ut it may issue shares or	elivery of restricted sh make the award in alt	nares or the vesting of ernative forms,
Origin also operates a universal employ	ee share plan in which e	mployees can choose t	to:
 be eligible for awards of up to \$1, years or until cessation of employ 	000 worth of Origin share ment, whichever occurs f	es annually, with share first; or	es restricted for three
 participate in a salary sacrifice sch restricted for two years or until ce shares purchased within a 12 mon years after the cycle began, provid 	eme to purchase up to \$ ssation of employment, th cycle, participants are led the employee remair	4,800 in shares annual whichever occurs first. issued a matching rig s employed by Origin.	lly, with shares . For every two ht that vests two
The universal employee share plan has	been temporarily susper	ded.	
Origin operates a dividend reinvestmen dividends in new ordinary shares. The p March 2022).	t plan which enables invo plan has been suspended	estors to reinvest som since the interim divi	e or all of their dend for FY22 (paid in
Ownership			
At 10 October 2023 there were 120,376 shareholders accounted for approximat	5 registered shareholders ely 75% of the ordinary s	in Origin. The top 10 shares on issue.	registered
The top 10 registered shareholders are has a significant retail investor base wit represents less than 30% of shares on is investors (approximately 98% of registe	principally institutional r h a majority of sharehold ssue. Origin shareholder red shareholders and be	ominee or investment lers classified as retail s are predominantly A tween 60-70% of issue	t companies. Origin although this ustralian based ed shares) ⁴⁶ .
Origin has received notices from the fol	lowing substantial share	holders:	
ORIG	GIN – SUBSTANTIAL SHARE	HOLDERS	
SHAREHOLDER	DATE NOTICE RECEIVED	NUMBER OF SHARES	PERCENTAGE OF
AustralianSuper Pty Ltd ("AusSuper")	21 September 2023	235,588,746	13.68%
The Vanguard Group, Inc.	28 April 2022	88,061,736	5.00%47
Source: Origin, IRESS			
 ⁴⁶ Based on a beneficial holder analysis of the top 100 September 2023. 	Origin shareholders represent	ing approximately 76% of sh	nares on issue at 22
⁴⁷ The Vanguard Group, Inc. has a 5.11% interest in Or assuming no change in the number of shares held	rigin shares based on the curre	nt number of issued shares	of 1,722,747,671 and



(173








The volume of electricity sold over the period has trended up slightly, driven by higher business volumes (net customer wins), but partially offset by softer retail volumes (reduced demand, continued uptake in solar and advances in energy efficiency). The average realised electricity price has been more volatile decreasing 10% between FY20 to FY22, with prices for FY22 largely being set in FY21 during a period of low wholesale prices due to the impacts of the COVID-19 pandemic. This trend was reversed in FY23, as higher wholesale prices flowed into customer tariffs, reflecting the recovery of higher costs associated with current and prior periods (and substantial further uplifts of approximately 20-25% for an average standing residential customer in FY24).

Gas volumes are supplied to Origin's retail book, gas peaking plants and large business customers (nearly 50% of the gas market for large customers). Expiration of several business segment contracts has resulted in decreased business volumes over the period, while retail volumes have remained stable. The repricing of retail and business customer tariffs has resulted in higher realised gas prices in FY22 and FY23, reflecting the recovery of higher costs (albeit lagged).

⁵¹ Source: AER, Retail Markets Quarterly, Q3 2022-23, June 2023.







ENERGY MARKETS – ELECTRICITY AND GAS REVENUE

Source: Origin

Revenue is mostly influenced by the average realised electricity and gas prices that Origin can achieve (as volume changes are relatively minor). Lower realised prices in FY21 reduced both electricity and gas revenue, while prices rebounded (representing the recovery of higher costs) in FY22 (for gas) and FY23 (for both gas and electricity) and revenue subsequently followed suit.

Retail revenue has historically comprised around 55% (slightly higher in FY21) with business revenue representing the remaining amount, however this reduced to as low as 51% in FY23 on the back of stable business volumes and strong prices.

56

⁵² Excludes volumes consumed internally by gas peaking plants.





	GRANT SA	MUE	L		
EM	NERGY MARKETS – GAS	PROCUREM	ENT COST	5	EV22
		FT20	FY2	1 FY22	FY23
Gas procurement costs (\$ millions)		1,294	1,2	1,456	1,784
facilities are primarily located on the GW (on a 100% basis):	e East Coast and collec	tively have a	a generati	ible generation	norovimately 6
ASSET	ENERGY MARKETS – GEI	IERATION PO		CAPACITY (MW)	EXPECTED CLOSURE YEAF
E ASSET	ENERGY MARKETS – GEI		ORTFOLIO ERATING MODE	CAPACITY (MW) 100% BASIS	EXPECTED CLOSURE YEAF
E ASSET ELACK COAL	ENERGY MARKETS – GEI		ORTFOLIO ERATING MODE	CAPACITY (MW) 100% BASIS	EXPECTED CLOSURE YEAF
E ASSET BLACK COAL Eraring Power Station	ENERGY MARKETS – GEI STA		ORTFOLIO ERATING MODE erchant	CAPACITY (MW) 100% BASIS 2,880	EXPECTED CLOSURE YEAF
E ASSET BLACK COAL Eraring Power Station GAS TURBINES Uranguinty	ENERGY MARKETS – GEI STA		DRTFOLIO ERATING MODE erchant	CAPACITY (MW) 100% BASIS 2,880	EXPECTED CLOSURE YEAF 2025
E ASSET BLACK COAL Eraring Power Station GAS TURBINES Uranquinty Darling Powers	ENERGY MARKETS – GEI		ORTFOLIO ERATING MODE erchant erchant	CAPACITY (MW) 100% BASIS 2,880 692 644	EXPECTED CLOSURE YEAF 2025 2044 2045
EASSET BLACK COAL Eraring Power Station GAS TURBINES Uranquinty Darling Downs Mortlake	ENERGY MARKETS – GEI STA NSV NSV NSV QLI	IERATION PO TE OPE N V Mu V Mu D Mu D Mu	DRTFOLIO ERATING MODE erchant erchant erchant erchant	CAPACITY (MW) 100% BASIS 2,880 692 644 584	EXPECTED CLOSURE YEAF 2025 2044 2045 2047
EASSET BLACK COAL Eraring Power Station GAS TURBINES Uranquinty Darling Downs Mortlake Mount Stuart	ENERGY MARKETS – GEI STA NSV NSV QLL VIG	V Mile V Mile V Mile V Mile O Mile O Mile	DRTFOLIO ERATING MODE erchant erchant erchant erchant	CAPACITY (MW) 100% BASIS 2,880 692 644 584 423	EXPECTED CLOSURE YEAF 2025 2044 2045 2047 2044
EASSET ELACK COAL Eraring Power Station GAS TURBINES Uranquinty Darling Downs Mortlake Mount Stuart Quarantine	ENERGY MARKETS – GEI STA NSS NSS QL QL QL SA	IERATION PO TE OPE N V Mile V Mile D Mile D Mile D Mile Mi	DRTFOLIO ERATING MODE erchant erchant erchant erchant erchant	CAPACITY (MW) 100% BASIS 2,880 692 644 584 423 235	EXPECTED CLOSURE YEAF 2025 2044 2045 2047 2044 2055
E ASSET BLACK COAL Eraring Power Station GAS TURBINES Uranquinty Darling Downs Mortlake Mount Stuart Quarantine Osborne	ENERGY MARKETS – GEI STA NSS NSS QL QL QL SA SA	IERATION PO TE OPE N V Mile V Mile D Mile Mile D Mile	DRTFOLIO ERATING WODE erchant erchant erchant erchant erchant erchant PPA ⁵³	CAPACITY (MW) 100% BASIS 2,880 692 644 584 423 235 180	EXPECTED CLOSURE YEAF 2025 2044 2045 2047 2044 2055 2026 ⁵⁴
EASSET ELACK COAL Eraring Power Station GAS TURBINES Uranquinty Darling Downs Mortlake Mount Stuart Quarantine Osborne Ladbroke Grove	ENERGY MARKETS – GEI STA STA NSS OL OL OL OL SA SA SA	V Mile V Mile V Mile O Mile Mile Mile	DRTFOLIO ERATING WODE erchant erchant erchant erchant erchant erchant erchant erchant	CAPACITY (MW) 100% BASIS 2,880 692 644 584 423 235 180 80	EXPECTED CLOSURE YEAF 2025 2044 2045 2047 2044 2055 2026 ⁵⁴ 2035

Total Origin internal generation

Eraring Gas Turbine

PUMPED HYDRO Shoalhaven

Source: AEMO

Eraring is by far the largest power generation asset in Origin's portfolio. It accounts for nearly 50% of the company's generation capacity (and substantially more of the output) and is the only baseload power generation asset in its portfolio. Eraring is the largest power station (by capacity) in the NEM, accounting for approximately 25% of New South Wales' power requirements. It is also one of the oldest power generation assets in the NEM and has been in operation for over approximately 40 years. The coal supply to power Eraring has historically been primarily sourced from coal mines local to Eraring (including the Myuna and Mandalong mines owned by Centennial Coal Pty Limited ("Centennial")) but is now being increasingly sourced from the Hunter Valley and delivered by rail.

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In February 2022, Origin notified the AEMO of the early retirement of coal-fired generation at Eraring potentially as early as August 2025. In September 2023, in response to the "NSW Electricity Supply and Reliability Check Up" report prepared by Marsden Jacob, the New South Wales Government advised that it would engage with Origin to clarify its plans for Eraring. Origin continues to assess the market and engage with the New South Wales Government to manage any risk to the reliability of electricity supply and the economic viability of Eraring. At the date of this report, no agreement has been reached between Origin and the New South Wales Government to extend the early retirement of Eraring beyond August 2025.

⁵³ Origin has a 50% interest in the 180 MW plant and contracts 100 per cent of the output.

⁵⁴ The Osborne Power Station was originally scheduled for closure on 31 December 2023 but its closure has since been deferred by an additional three years (to 2026).







 the introduction of the price cap on coal of \$125/t from 23 December 2022 which underpinned the return of Eraring to profitability; and

62

⁵⁵ Represents cost to serve per average customer account, excluding CES accounts.







Kraken licensing arrangement with Energy Queensland Limited for use in the Ergon distribution area

	GRANT SAMUEL
T to O a v	he Octopus Energy shareholders' agreement contains customary shareholder protections (e.g. in relation o pre-emptive rights on a sale, veto rights on key decisions etc), a number of which flow specifically from rrigin's 20% shareholding (and remain in place as long as Origin's shareholding in Octopus Energy is above minimum level). In particular, there are a number of different classes of shares with differing (or no) oting rights.
T (i ir	he Octopus Board comprises nine directors, the three co-founders, two members from Octopus Capital ncluding the Chair), three members from other investors (Origin, CPP Investments and GIM) and one ndependent director.
В	usiness Operations
0	ctopus Energy's business operations are summarised below:
	Retail Energy Supply, which supplies 100% renewable electricity and gas to 5.5 million retail customers (representing 9.7 million customer accounts) primarily in the United Kingdom (more than 5 million customers ⁵⁹) as well as Germany, the United States, Japan, Italy, France, New Zealand and Spain.
	Octopus Energy sources its renewable energy from:
	Octopus Renewables (refer below); more than 190 groop operative producers in the United Kingdom (directly under BPAs); and
	Index that 190 green energy producers in the Onited Kingdom (directly under PPAS), and its own green energy generators (Octonus Energy owns two wind turbines, one in East Yorkshire
	and one in South Wales).
	Most of Octopus Energy's retail customers are on variable price contracts and pay by direct debt;
	Platform Licensing , which is the licensing of Octopus Energy's proprietary customer service platform, <i>Kraken</i> , to energy retailers globally. <i>Kraken</i> is a scalable operating model and customer platform that improves the operational efficiency and customer service of energy providers, enabling a low operational cost to serve. Based on advanced data and machine learning capabilities, the end-to-end platform automates the energy supply chain, delivering additional control and reliability. Its continuous release, continuous deployment system ensures it is always up to date. <i>Kraken</i> is currently contracted to support more than 40 million customer accounts in 10 countries. In addition to supporting Octopus Energy's 9.7 million retail energy customer accounts, Kraken is licensed to E.ON UK, EDF UK and Good Energy in the United Kingdom, Origin in Australia, TG Octopus Energy in Japan, Evolve Energy in the United States and Plenitude globally ⁶⁰ .
	The Kraken technology has been expanded to include:
	 Kraken Flex, a cloud-based platform that controls distributed energy assets with machine learning and artificial intelligence to match supply and demand and helps the electricity grid deal with the natural volatility of renewable generation. Kraken Flex currently has over 5GW of capacity contracted to its platform; and
	• Kraken Utilities, which applies the Kraken technology from energy to other utilities such as water and broadband;
•	Octopus Renewables, which manages one of the largest portfolios of renewable generation in Europe with £5.8 billion in third party generation assets under management. Octopus Renewables manages more than 240 large scale and over 4,500 small scale green energy projects across ten countries and eight technologies (predominantly solar and offshore wind but also energy from waste and pumped
⁵⁹ Prio ⁶⁰ Pler	r to the acquisition of Shell Energy Retail. nitude is Eni SpA's international retail energy business with around 2 million customers in France, Greece, Slovenia, Spain and



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			LONG 100%	A CIC)	
OCTOPOS ENERGY - FINAN		ANCE (£ WILL	LIONS, 100% E	A313)	
	AS REPOR	TED BY OCTOPU	JS ENERGY	AS REPORTEI	D BY ORIGIN ⁶²
	MAY 2019 TO	MAY 2020 TO APRIL 2021	MAY 2021 TO APRIL 2022	FY22	FY23
	APRIL 2020 ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL
Patril Franzy Supply system are ^{63,64} (1000 us and)	1 424	(RESTATED)	(RESTATED)	2 507	F F 70
Retail Energy Supply customers (2000s, yr ena)	1,434	1 725	3,417	2 021	5,579
Platform Licensing customer accounts (1000s, ur end)	2 721	7.465	16.099	2,324	4,545
Platform Licensing customer accounts ('000s, ava)	1.944	5.093	11.782	20.063	28.921
Retail Energy Supply	1,228	1,906	4,023	4,617	12,939
Platform Licensing	10	74	103	115 ⁶⁵	99 ⁶⁵
Other	3	29	99	-	-
Revenue	1,241	2,009	4,225	4,732	13,038
Cost of sales	(1,174)	(1,874)	(3,979)	(4,628)	(12,009)
Gross profit	67	135	246	104	1,029
Cost to serve	(97)	(139)	(317)	(207)65	(386) ⁶⁵
EBITDA	(30)	(4)	(71)	(104) ⁶⁶	643 ⁶⁶
Depreciation and amortisation	(33)	(60)	(108)	(117)	(137)
EBIT	(63)	(64)	(179)	(221)	506
Share of net loss of associates	0	0	(1)		
Net finance income/(expense)	(9)	(11)	14 ⁶⁷		
Income tax credit	11	10	25		
Profit/(loss) for the financial year	(61)	(65)	(141)		
Non-controlling interests	1	0	0		
Profit/(loss) for the 12 month period attributable to Octopus Energy shareholders	(60)	(65)	(141)		
STATISTICS					
Retail Energy Supply customer growth	+115%	+49%	+60%	+50%	59%
Retail Energy Supply revenue per customer	£1,169	£1,068	£1,449	£1,529	£2,910
Platform Licensing customer accounts growth	+133%	+174%	+116%	+78%	+25%
Platform Licensing revenue per customer account	£189	£39	£15	£8	£5
Revenue growth	+160%	+62%	+110%	+119%	+176%
Gross profit growth	+1,821%	+102%	+82%	+29%	+893%
Gross margin	5.4%	6.7%	5.8%	2.2%	7.9%
EBITDA margin	(2.4)%	(0.2)%	(1.7)%	(2.2)%	4.9%
EBIT margin	(5.1)%	(3.2)%	(4.2)%	(4 7)%	3.8%

⁶² Figures reported by Origin are for its 20% interest in Octopus Energy and are reported in Australian dollars. Grant Samuel has grossed up these figures to reflect 100% of Octopus Energy and has converted them from A\$ to £ at an exchange rate of 0.576 for FY22 and 0.536 for FY23.

⁶⁴ At 30 June 2023, there were 9,176,000 United Kingdom customer accounts (5,885,000 at 30 June 2022) and 481,000 international customers (238,000 at 30 June 2022).

⁶⁵ Licensing revenue and operating costs include fees for Octopus Energy customers that are eliminated on consolidation in Octopus Energy's statutory financial reporting.

⁶⁶ EBITDA as reported by Origin includes share of loss of associates, although this is immaterial in FY22 and FY23.

⁶⁷ Finance income in FY22 includes the cost of capital reclaimed as part of the supplier of last resort process from the industry levy associated with Octopus Energy taking on the Avro customer book.

⁶³ United Kingdom customers are less than United Kingdom customer accounts. Customer accounts are a multiple of 1.8 times customers as most customers have accounts for both electricity and gas.



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Financial Position		
The financial position of Octopus Energy at 30 Apr	il 2022 and 30 June 2023 ^{61,68} is sum	marised below:
OCTOPUS ENERGY – FINANCIA	AL POSITION (£ MILLIONS, 100% BASIS)	
	AT 30 APRIL 2022 ACTUAL	AT 30 JUNE 2023 ACTUAL
Trade and other receivables	924	nd
Inventories	1	nd
Trade and other payables	(1,558)	nd
Net working capital	(633)	(835)
Property, plant and equipment (net)	48	nd
Goodwill	87	nd
Other intangible assets	197	nd
Investments	2	nd
Deferred tax asset	30	nd
Avro levy	625	-
Deferred consideration	(13)	nd
Amounts due from/(to) shareholders (net)	(9)	nd
Other financial payables (net)	(22)	nd
Total funds employed	313	nd
Cash and cash equivalents	236	4,035
Debt	(40)	(3,009)
Net cash/(debt) (excluding lease liabilities)	196	1,026
Lease liabilities	(36)	nd
Net cash/(debt) (including lease liabilities)	160	nd
Net assets	4/3	nd
Non-controlling interests	(12)	nd
	461	1,101
Not tangible assots	176	404
Source: Octonus Energy Annual Report and Einancial Statements 202	Origin and Grant Samuel analysis	434
Source: Octopus Energy Annual Report and Financial Statements 202. Octopus Energy typically operates with substantia direct debit on a monthly basis while a significant frames (e.g. suppliers). In addition, the working ci	c, Origin and Grant Samuel analysis I negative working capital as most of proportion of payments are made of apital balance is subject to seasonal	ustomers pay by over longer time ity due to:
 differences between monthly fixed revenue is payables are higher over the autumn/winter consumed relative to the fixed income receiv months); and 	from customers and consumption d period when greater volumes of elevable from customers, which revers	riven payables (i.e. ectricity and gas are es in the summer
 the receipt of cash from customers over the fulfil Octopus Energy's renewable obligations year. 	course of the year (as part of the ta s. Renewable obligations are settled	riff) that is used to d after 30 June each

Consequently, at 30 April each year, there is an inflated payables balance that is settled/reversed in the following months. However, this has largely corrected by 30 June each year, with the working capital balance at 30 June indicative of average working capital over the July to June period.

⁶⁸ The 30 June 2023 financial information for Octopus Energy has been converted from A\$ to £ at an exchange rate of 0.5250. More detailed 30 June 2023 financial information was provided to Grant Samuel by Origin but has not been disclosed at the request of Octopus Energy on the basis of commercial sensitivity.











GRANT SAMUEL Project Funding In May 2012, APLNG announced it had secured commitments for an US\$8.5 billion project finance facility. The facility provided funding for the construction of the downstream components of the project, including the liquefaction facility on Curtis Island. The original syndicated facility comprised three tranches which are summarised below: APLNG - PROJECT FINANCE FACILITIES MATURITY LENDING PARTIES LIMIT Syndicate of 15 domestic Commercial Bank Tranche US\$2.875 billion 2028 and international commercial banks Export-Import Bank of the US EXIM Tranche US\$2.866 billion 2029 United States (US EXIM) Export-Import Bank of China EXIM Tranche US\$2.759 billion 2028 China (China EXIM) Source: Origin The facilities were structured as non-recourse to APLNG shareholders. However, each shareholder provided a several guarantee of its shareholding percentage of the debt during the construction phase of the project. These guarantees fell away post the construction phase and after the project met certain construction completion test requirements. In FY19, the joint venture refinanced US\$4.5 billion of the original facilities through a US\$2.0 billion US Private Placement Note and a new US\$2.5 billion bank loan from a syndicate of domestic and international banks. The facilities amortise over their remaining term and are due to be fully repaid by FY31. **Reserves and Resources** Origin's share of APLNG reserves and resources, as estimated by Origin for its operated assets and by Netherland, Sewell & Associates, Inc. ("NSAI") for the non-operated assets are summarised in the table below. APLNG - RESERVES AND RESOURCES AT 30 JUNE 2023 (PJ) ORIGIN SHARE (27.5%) APLNG (100%) TOTAL 2P TOTAL 2P UNDEVELOPED DEVELOPED RESERVES RESERVES Total operated assets 978 9,142 1,537 2,514 Total non-operated assets 303 194 497 1.807

Source: Origin

Total 2P reserves

Total 3P reserves

Total 2C resources

APLNG reserves and resources reported by Origin since the commencement of LNG production in FY16 are shown in the chart below.

1,172

3,011

3,297

1,025

10,949

11,991

3,729

1,839



APLNG has maintained a broadly consistent level of reserves and resources over the past five years, despite the project producing almost 3,500PJ during that time. 2C resources have increased by approximately 500PJ since FY18. This strong level of reserves and resources replacement has been achieved through:

- higher estimated ultimate recovery from fields than originally forecast at FID, proven up through demonstrated field production performance;
- enhanced drilling technology and cost reductions that have unlocked additional reserves and resources in existing maturing gas fields;
- maturation of contingent resources to reserves through successful gas field appraisal and development programs;
- booking new contingent resources through successful exploration drilling of resource prospects; and
- acquisition of new fields in the region, including APLNG's acquisition of the Ironbark gas field from Origin in 2019.

Marketing and Offtake

APLNG sells gas into the domestic East Coast gas market as well as LNG to international LNG customers. Origin markets all APLNG gas sold into the domestic market on behalf of APLNG, while APLNG leads the marketing of LNG production with the assistance of ConocoPhillips. Both domestic gas production and LNG production are underpinned by long term offtake contracts. Domestic gas and LNG production above the contracted amount each year is sold into short term spot markets. The composition of product sales during the period FY21 to FY23 is summarised in the table below:

	FY21		F	Y22	FY23	
	VOLUME (PJ)	SHARE OF TOTAL SALES	VOLUME (PJ)	SHARE OF TOTAL SALES	VOLUME (PJ)	SHARE OF TOTAL SALES
Contracted LNG	450	69%	450	68%	468	73%
Spot LNG	48	7%	55	8%	27	4%
Total LNG	498	76%	505	76%	495	77%
Total domestic gas	158	24%	159	24%	150	23%
Total sales	656	100%	664	100%	645	100%

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APLNG – SALES	COMPOSITION	(PJ, 100%	BASIS)
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Source: Origin

GRANT SAMUEL LIQUEFIED NATURAL GAS APLNG entered into two major offtake agreements prior to FID for Train 1 and Train 2. These offtake agreements are summarised below: APLNG - LNG OFFTAKE CONTRACTS START CONTRACT VOLUME PRICING DATE COUNTRY (MTPA) TERMS Sinopec 2015 20 year ToP China JCC-linked 7.6 Kansai Electric 2015 20 year ToP Japan JCC-linked 1.0 Total 8.6 Source: Origin APLNG sells spot LNG under shorter term master bilateral agreements, typically on an FOB basis, where the buyer takes economic ownership of the product once it is loaded onto the export vessel. Individual spot cargoes are typically marketed by the joint venture 6-12 weeks in advance of shipment. Pricing for these spot sales is usually linked to the JKM LNG pricing benchmark. DOMESTIC GAS Gas is transported from APLNG's upstream gas fields to domestic customers via the major East Coast gas market transmission pipelines, including the South West Queensland Pipeline, the Roma Brisbane Pipeline and the APLNG Gas Pipeline. APLNG sells gas to customers via long term GSAs as well as under short term contracts and through the Wallumbilla Gas Supply Hub. APLNG's major long term GSAs are summarised below: Origin: a legacy contract with Origin's Energy Markets business for supply of gas ending in 2034; Rio Tinto: a contract with Rio Tinto Aluminium though to 2031 to supply gas to the Yarwun alumina refinery in Gladstone; Queensland Alumina Limited ("QAL"): a contract to supply gas to QAL's alumina plant in Gladstone, ending in 2041; and QGC: a contract to supply gas to QGC over a 20 year period ending in 2035. Production Historical production performance of the APLNG upstream gas fields since the commencement of LNG exports in FY16 is shown in the chart below.



Source: Origin

Following the commencement of LNG production through Train 1 on Curtis Island in December 2015, the project ramped up to full production when the Train 2 came online in October 2016. Since FY18, the project has produced around 700PJ per year, with approximately 75% of total production from fields operated by APLNG (Origin) and the remainder from APLNG's interests in fields operated by third parties. Since FY18, approximately 75-80% of total APLNG upstream production has been used as feed gas to produce LNG and it has produced more LNG than required to meet its contract commitments.

Financial Performance

The historical financial performance of APLNG from FY18 to FY23 is summarised below:

APLNG - OPERATING PERFORMANCE (\$ MILLIONS, 100% BASIS)

	FY18	FY19	FY20	FY21	FY22	FY23
	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUA
Domestic gas sales (PJ)	205	195	187	158	159	150
LNG sales (PJ)	475	481	481	498	505	495
Total product sales (PJ)	680	676	668	656	664	645
Revenue	5,528	7,443	7,100	4,595	9,362	11,259
Operating costs	(1,782)	(1,781)	(1,992)	(1,544)	(2,486)	(3,091)
Underlying EBITDA	3,746	5,662	5,108	3,051	6,876	8,168
Depreciation and amortisation	(1,853)	(2,116)	(1,863)	(1,568)	(1,563)	(1,659)
Underlying EBIT	1,893	3,546	3,245	1,483	5,313	6,509
STATISTICS						
Revenue growth	47%	35%	(5%)	(35%)	104%	20%
EBITDA growth	64%	51%	(10%)	(40%)	125%	19%
EBITDA margin	68%	76%	72%	66%	73%	73%
EBIT margin	34%	48%	46%	32%	57%	58%
AVERAGE REALISED PRICES						
Domestic gas sales (\$/GJ)	4.50	5.04	4.61	4.24	6.23	8.54
LNG sales (\$/GJ)	9.59	13.42	12.86	7.79	16.36	20.01
All product sales (\$/GI)	8.06	11.00	10 55	6 94	13 94	17 34

APLNG's earnings have grown significantly over the past five years, with EBITDA increasing from \$3.7 billion in FY18 to \$8.2 billion in FY23. Despite relatively stable total sales volumes and increases in operating costs

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over this period, earnings have grown predominantly due to increasing eading to higher revenue. The reduction in earnings in FY21 was drive with APLNG's offtake contracts having pricing linked to movement in t	g LNG and domestic gas prices en by a decline in commodity prices, he JCC oil price.
inancial Position	
The financial position of APLNG at 30 June 2023 is summarised below:	
APLNG – FINANCIAL POSITION (\$ MILLIONS, 10	00% BASIS)
	AT 30 JUNE 2023
	ACTUAL
Trade and other receivables	551
Inventories	259
Trade and other payables	(507)
Net working capital	303
Property, plant and equipment (net)	32,441
	19
Loans receivable from shareholders	324
Provisions	(1.919)
Deferred tax liability	(2,762)
Other assets/(liabilities) (net)	(860)
Total funds employed	28,055
Cash and cash equivalents	1,720
Debt	(7,375)
Net debt (excluding lease liabilities)	(5,655)
Lease liabilities	(444)
Net debt (including lease liabilities)	(6,099)
Net assets	21,956
STATISTICS	0.7.
Net debt (including lease liabilities)/Underlying EBITDA	20%
ource: APLNG Consolidated Financial Report 30 June 2023 and Grant Samuel analysis	20%
APLNG US\$ statement of financial position converted to A\$ at an exchange rate of 0.6629.	
oan receivables from shareholders of \$324 million represent the with	ndrawal of funds from APLNG that ar
eserved for future repayments of the project finance facility, measure	ed at amortised cost. The loans
ittract a variable rate of interest and are repayable on demand (althou	ugh they are classified as non-curren
issets as APLNG does not intend to call upon the funds within 12 mon i324 million, \$136 million is due from Origin.	ths). Of the total loan receivables of
he net deferred tax liability of \$(2,762) million includes a deferred tax of \$797 million (tax effected).	x asset for carried forward tax losses
Provisions primarily represent the estimated present value of future re dismantling activities.	estoration, rehabilitation and
'he carrying amount of APLNG's debt of \$7,375 million is net of the ur arrangement fees of \$59 million.	namortised value of debt
APLNG's lease contracts primarily relate to plant and equipment, such	as pipelines and electricity



decarboinsation: Origin has plans for validus decarboinsation initiatives, including electrification of upstream operations, methane use reductions and supporting improvements across the various nonoperated upstream interests.

APLNG Reversion

In 2002, Oil Company of Australia Limited (later renamed to APLNG) acquired interests in various CSG assets ("CSG interests") from Tri-Star Group ("Tri-Star") for US\$20 million with the interests subject to reversionary rights and an ongoing royalty in favour of Tri-Star. If triggered, the reversion rights require APLNG to transfer back to Tri-Star a 45% share of ownership in the CSG interests for no additional

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consideration. Reversion is triggered when revenue from the sale of petroleum from those CSG interests plus any other revenue derived from or in connection with those CSG interests exceeds the aggregate of:
 all expenditure relating to the CSG interests;
 interest on that expenditure;
 royalty payments; and
 the original US\$20 million acquisition price.
The CSG interests represent approximately 19% of APLNG's 2P reserves and 18% of 3P reserves as reported by Origin at 30 June 2023.
In 2015, IrI-star initiated proceedings against APLNG claiming that reversion occurred as early as 2008 when ConocoPhillips invested in APLNG ("Reversion Proceeding"), asserting that the equity subscription money (or a portion of) paid by ConocoPhillips should be classified as revenue for the purposes of the reversion rights trigger. Tri-Star has also claimed that in the alternative, reversion occurred following Sinopec's investments in APLNG in 2011 and 2012. In addition, Tri-Star has made other associated claims in the Reversion Proceeding relating to the calculation of inputs to the reversion trigger, calculation of royalties payable by APLNG to Tri-Star and rights relating to access to infrastructure and gas sales over the period since the alleged reversion. If Tri-Star's reversion claims are successful, APLNG may no longer have access to the reserves and resources associated with the reverted CSG interests and as a result, may need to source alternate sources of gas to fulfill its offtake contract commitments. There are also other complex issues that would need to be resolved if reversion is deemed to have occurred, including:
 how some jointly held CSG interests will be operated (as there are no joint operating terms in place);
 Tri-Star's contribution to exploration and development costs incurred by APLNG since the reversion;
 the consequences of APLNG having since commercialised and sold gas attributable to the reverted CSG interests;
 Tri-Star's ownership and/or rights to access certain APLNG project infrastructure since reversion; and
 Tri-Star's repayment of the ongoing royalties it has received from the reversionary CSG interests since reversion.
In 2017, Tri-Star commenced separate proceedings against APLNG alleging that APLNG breached three CSG joint operating agreements by failing to offer Tri-Star an opportunity to participate in the "markets" allegedly formed when the project signed certain domestic gas and LNG offtake agreements, including the Sinopec and Kansai LNG agreements ("Markets Proceeding"). Tri-Star alleges it was denied the right to participate with respect to current participating interests it holds as well as its reversionary interests (if reversion is deemed to have occurred).
APLNG filed its defences and counterclaims for both proceedings in 2020. Both parties have since made numerus other filings relating to the proceedings and are waiting for the court to make further orders for the conduct of each proceeding. Origin has stated that if APLNG is not successful in defending some or all of the claims made by Tri-Star then the financial performance of APLNG may be materially adversely impacted as may the timing and quantum of cash flows from APLNG to its shareholders.
5.4 Other Integrated Gas
Overview
The Other Integrated Gas business covers a variety of discrete activities comprising the remainder of Origin's gas activities, including the upstream operations of APLNG, LNG hedging and price risk management, legacy upstream exploration and other growth initiatives.
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GRANT SAMUEL **Financial Performance** The historical financial performance of Other Integrated Gas from FY20 to FY23 and Origin's estimates for FY24 are summarised below: OTHER INTEGRATED GAS BUSINESS - OPERATING PERFORMANCE (\$ MILLIONS) FY20 FY21 FY22 FY23 FY24 ACTUAL ACTUA ACTUAI ACTUAL ESTIMATE Commodity hedging (premium expense and gain/(loss)) (21) 92 (165) (293) (27) Gain/(loss) on LNG trading (72) (37) (23) 58 40-60 (82) (109) (91) Other costs (net of recoveries from APLNG) (65) EBITDA (174) (10) (297) (327) Source: Origin and Grant Samuel analysis The Other Integrated Gas business has generated losses in each of the last four years. The primary cause of its performance has been commodity hedging, which reflects the mark-to-market gains and losses on its oil, gas and foreign exchange hedging positions as well as any associated hedging premium expense. The FY23 net loss included a hedge loss of \$271 million associated with 5.4Mbbl of oil swaps and 1.6Mbbl of oil producer collars which realised a hedge price of US\$99/bbl. These hedge contracts were established over the period from October 2020 to August 2021 during the height of the COVID-19 pandemic to protect Origin's investment grade credit rating. Based on current forward market prices (at 7 August 2023), Origin estimates a net loss on oil, gas and foreign exchange hedging in FY24 of \$27 million (including \$2 million in premium spend). These hedging losses are offset by (Origin's share of) the stronger performance of APLNG. The gain/(loss) on LNG trading reflects the impact of contracts and derivative hedge contracts that manage the price risk associated with the physical LNG contracts that form part of an LNG trading portfolio, primarily the Cameron LNG Henry Hub-linked contract and the ENN Brent oil-linked contract. The profit or loss from this arbitrage depends on the LNG price relative to either Henry Hub prices or Brent oil prices. Based on market forward prices (at 7 August 2023), Origin expects the FY24 LNG trading EBITDA to be in the range \$40-60 million. Across FY25 and FY26, the LNG trading EBITDA is expected to be in the range \$450-650 million in total. This outlook is subject to market prices on unhedged volumes, operational performance and delivery risk of physical cargoes, and shipping and regasification costs. Other costs are overhead costs (net of recoveries) incurred as upstream operator and corporate services provider to APLNG, costs associated with growth initiatives such as hydrogen development initiatives and costs associated with Origin's exploration interests. Other than the impact of one-off costs such as exploration well write-offs (in FY22) or non-recurring payments (in FY20), these other costs are dependent on the growth activity being pursued by Origin.



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ORIGIN – IMPLIED VALUATION PARAMETERS

	VARIABLE	RANGE OF PARAMETERS		
	(\$ MILLION)	LOW	HIGH	
Origin's wholly owned business operations		8,553	9,531	
20% of Octopus Energy business operations value ⁷⁷		2,280	2,480	
27.5% of APLNG business operations value ⁷⁸		8,525	9,075	
Proportionate value of business operations		19,358	21,086	
Multiple of underlying EBITDA – business operations				
FY23 (historical)	3,107	6.2x	6.8x	
FY24 (median broker's forecast ⁷⁹)	3,383	5.7x	6.2x	
Multiple of underlying EBIT – business operations				
FY23 (historical)	1,417	13.7x	14.9x	
FY24 (median broker's forecast ⁷⁹)	1,826	10.6x	11.5x	

The overall multiples implied by Grant Samuel's valuation range are presented for information purposes but (in isolation) are not particularly meaningful due to Origin's unique mix of business operations that each have materially different risks and growth outlooks:

- Energy Markets (44% of Origin's proportionate business operations value) is a mature business that requires significant investment to transition its generation assets (primarily Eraring) to a future-facing portfolio of battery, renewable and flexible generation projects;
- Octopus Energy (12% of Origin's proportionate business operations value) has a fundamentally different growth outlook from the rest of Origin's business operations that is complemented by the scalable nature of its *Kraken* technology platform; and
- APLNG (44% of Origin's proportionate business operations value) is a mature producing asset with a
 finite operating life (i.e. no terminal value) but has a track record of stable production output albeit
 with a large exposure to volatile LNG prices.

The overall multiples are blended multiples for Origin's business operations and reflect the relative size of each of the business operations. The implied overall multiples are weighted towards the valuation of Energy Markets and APLNG but also incorporate the robust growth potential of Octopus Energy. While contribution to earnings in recent years has varied due to market conditions (as well as Origin's sale of a 10% interest in APLNG in February 2022), the Energy Markets business and the investment in APLNG together represent the vast majority of Origin's underlying EBITDA. The total exposure to energy markets (in Australia through Energy Markets and in the United Kingdom through its 20% interest of Octopus Energy) is ~40-50% of underlying EBITDA.

Given its exposure to energy markets (which should increase as Octopus Energy executes its growth strategy), it may be argued that Origin's multiples should be more reflective of the attractive attributes of this part of the business, including factors such as its:

- highly strategic platform, which means that it is well placed to capitalise on the opportunities (but uncertain trajectory) of the energy transition;
- scale and leading market position in multiple geographies including in Australia and in the United Kingdom;

⁷⁷ Calculated as value of Octopus Energy's business operations of £5,700-6,200 million x 20% converted to \$ at a £/\$ exchange rate of 0.50 (see Section 6.7.1).

⁷⁸ Calculated as value of APLNG's business operations of \$31,000-33,000 million x 27.5% (see Section 6.8.1).

⁹ Origin has decided not to include the FY24 Budget in the Scheme Booklet. To provide an indication of Origin's expected financial performance, Grant Samuel has considered broker's forecasts (see Appendix 2 for details). These forecasts are sufficiently close to Origin's FY24 Budget to be useful for analytical purposes.



C




Origin has been valued at 30 June 2023 and the DCF analysis has been prepared from 1 July 2023. The primary reference point for the valuation the balance sheet at 30 June 2023. While adjustments have been made for relevant significant subsequent events such as the payment of the final FY23 dividend, no adjustments have been made for movements in balance sheet items, in particular, the "mark to market" of derivative financial instruments and of capital markets debt. As these instruments are used as hedging instruments, daily movements should have minimal impact on net value.



















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The o mate capit even	cash flow projections have been prepared over an extended period (i.e. 10+ years) to reflect the erial operational changes that will impact Origin's business over that period (e.g. retirement of Eraring tal expenditure to develop renewable projects and declining production from gas peaker plants which itually reach the end of their operating lives).
The I oper indiv assu	DCF analysis relies on a number of general assumptions that are adopted across each of the business rations (e.g. wholesale electricity prices, domestic gas prices and market cap prices). However, as the ridual businesses of Energy Markets have been modelled separately, the DCF model also has discrete mptions for each of the business operations:
•	for retail, this includes revenue growth and EBITDA margins for each end market (e.g. electricity, gas, Broadband, Solar and Energy Services, Future Energy and other retail services);
•	for generation, this includes firming capacity availability, pool generation output, wholesale electricity prices (and market cap prices), fuel and operating costs. Assumptions for development projects also include capital expenditure, timing and costs;
•	for wholesale and trading, this includes wholesale margins on gas wholesale sales (over spot domestic gas prices) and LGC prices; and
•	for LPG, this includes distribution margin growth and EBITDA margins.
The I (for g chan over	DCF model for wholesale and trading is based on the existing hedges and sales/procurement contracts gas and electricity). Accordingly, changes in the outputs from the DCF model are primarily caused by ges in benchmark energy price assumptions (e.g. domestic gas prices, electricity prices and LGC prices the longer term.
This oper Ener	approach allows for the different sales revenue growth and cost profiles of each of the business rations. Capital expenditure and working capital assumptions have also been made for each of the gy Markets' business operations.
Scen assui	ario A assumes a stable energy market transition through to 2030. For Scenario A, the DCF model mes the following for each of the businesses:
•	Retail (including Origin Zero and VPP):
	 forecast electricity sales fall to 33.2 TWh in FY25 due to increased penetration of rooftop solar, before growing at an average of 0.6% per annum through to FY28 due to electrification. A small moderation in average customer bill size is assumed from FY24 to FY25;
	 total revenue grow by an average of around 2.5% per annum over the projected period. The stable growth rates are largely weighted towards the mature segments of the business such as electricity (around 1.5% per annum) and gas retail (no growth) and mask the higher growth rates from other newer businesses such as Solar and Energy Services and Broadband (collectively nearly 30% per annum, albeit from a smaller base). As a result, revenue contribution from electricity and gas retail falls from around 60% of Energy Markets' revenue to 55% by FY28;
	 EBITDA margins improve from around 1.5% to 4.0% by FY28 and remain at those levels for the remainder of the projected period. The majority of the EBITDA margin improvement is achieved by FY25 due to the successful execution of the cash cost saving initiatives (\$200-250 million in total cost outs by FY25). The remainder is largely due to the economies of scale from Origin's VPP and Broadband products which are assumed to breakeven by FY26;
	 total capital expenditure is predominantly sustaining in nature and assumed to decline from ove \$160 million in FY24 (which includes the purchase of an EV fleet) to around \$90-100 million per annum for the remainder of the projected period; and
	 a terminal growth rate of 2.5% was applied to the cash flows of the business.







The NPV outcomes fall across a relatively wide range which is to be expected as it is difficult (if not impossible) to be precise, let alone estimate, the impact that the energy transition will have on the Energy Markets business operations and NPV outcomes. There are innumerable factors at play such as global energy prices, wholesale electricity prices, domestic gas prices, closures of existing generation assets, development of new generation/storage assets and changes in the regulatory environment. Each of these factors have complex interrelationships. As observed in recent years, there are no precedents for the scope and pace of the energy transition.

Consequently, Grant Samuel has developed these scenarios to understand the sensitivity of the Energy

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Mar	kets NPV to hypothetical impacts.
Gra Ene	nt Samuel has considered the NPV outcomes for all the scenarios in determining its valuation range for rgy Markets. In this regard:
•	Scenarios A and B represent credible outcomes. The anticipated closure of coal-fired power stations and unexpected outages of the remaining coal-fired power stations has already caused and will inevitably continue to contribute to the volatility in the NEM. New replacement projects will remain a risk to grid reliability until they are fully operational and connected to the grid. The current high market cap prices are assumed to continue through to FY25 and then normalise to reflect the improved grid reliability as new generation capacity comes online. Similarly, domestic gas prices in the east coast (\$12-14/GI) remain well above historical levels as the constrained supply and a lack of clarity of future long term supply places upwards pressure on prices.
	Despite the uncertain market backdrop, there are a number of growth initiatives included in Scenario A that are achievable:
	 developing the pipeline of renewable projects which, while ambitious (and capital intensive), are fully permitted and Origin has the financial capacity to fund these investments;
	 delivering the remainder of the retail cash cost-out initiatives (e.g. <i>Kraken</i> rollout, automation and digitisation) which have already produced approximately \$150 million in cash cost savings and, while delayed by a year from the original targets, continue to target the full \$200-250 millio in savings by FY25; and
	 scaling new retail products and offerings such as Broadband and VPP.
	In any event, the NPV impact from these growth initiatives are less sensitive compared to the overarching issues impacting the broader energy sector (e.g. cap prices and gas prices) because at least for battery/renewable projects, virtually all of the capital expenditure is yet to be incurred. The NPV impact of some of the risks is illustrated in Scenario B, which assumes a delay in delivering profitability to some of Origin's new product offerings (e.g. Broadband and VPP);
•	Scenarios C and D illustrate the impact that heightened (and extended) market uncertainty can have on the value of Energy Markets and particularly its geared exposure to energy prices and its derivatives (e.g. market cap prices). Both scenarios assume that the period of uncertainty extends through to FY30 (compared to FY25 in Scenario A) and consequently places upwards pressure on market cap prices and domestic gas prices until then. The higher NPV outcomes reflect the:
	 value of the "natural hedge" as a gentailer which allows it to absorb some of the market volatility by passing on some (if not all) of its higher fuel costs (particularly for gas) to its customers;
	 operational flexibility of its peaking power plants which (unlike coal-fired power stations) can flexibly switch on/off and operate during periods of peak demand (which typically correspond with peak prices); and
	• scale of the business which allows it to capture incremental margins as a wholesaler amidst the volatile markets.
	There are reasons to believe that some level of "normality" could be achieved sooner (e.g. private sector interest in investing in Australia's energy transition, willingness of state governments to provide direct financial support and intense scrutiny across market participants and industry bodies such as AEMO on the future balance of supply and demand on the grid). In some respects, the risks to grid reliability are partly triggered by the withdrawal of capacity from the grid. While some of these issues are completely out of the market's control (e.g. unplanned outages), market participants and regulatory bodies still can exercise some level of control over continued operations and planned closures to maintain the reliability of the grid. Nevertheless, an extended period of disruption is plausible if not probable in the light of the progress to date and the scale of the task.







- ⁸² Grant Samuel analysis based on data obtained from IRESS, S&P Global Market Intelligence, company announcements, transaction documentation and, in the absence of company published financial forecasts, brokers' reports. Where company financial forecasts are not available, the median of the financial forecasts prepared by a range of brokers has generally been used to derive relevant forecast value parameters. The source, date and number of broker reports utilised for each transaction depends on analyst coverage, availability and corporate activity.
- ⁸³ Historical multiples are based on the most recent publicly available full year earnings prior to the transaction announcement date. Forecast multiples are based on company published earnings forecasts or brokers' reports available at transaction announcement date.

Enterprise values are typically adjusted for non-controlling interests, equity accounted investments and environmental rehabilitation provisions. EBITDA and EBIT are also adjusted to exclude income from equity accounted investments (where possible).







SELECTED COMPARABLE TRANSACTIONS - RETAILERS

HISTORICAL AND FORECAST EBITDA, EBIT AND CUSTOMER MULTIPLES



Source: Grant Samuel analysis^{82,84}

GENTAILERS

Gentailer transactions have occurred in a relatively wide range of multiples over the last decade. Those transactions at the low end of the range (<6 times historical EBITDA) have typically occurred in the last five years and have reflected poor historical performance, higher reliance on thermal generation capacity, or lack of a clear carbon transition strategy. For instance:







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	• •		
The implied multiples for Energy Markets are a from the elevated FY24 levels.	consistent with these views	s, once earnings are	e "normalised"
6.5 Value of Other Integrated Gas			
Grant Samuel has valued Other Integrated Gas	in the range \$13-26 millio	n:	
ORIGIN - VALUATION O	F OTHER INTEGRATED GAS (\$	MILLIONS)	
		VALUATIO	N RANGE
		LOW	HIGH
Unrecovered APLNG related services		(278)	(294)
Oil and LNG price hedging		(120)	(156)
Growth initiatives		320	325
Exploration and development interests		48	75
Value of Other Integrated Gas		13	26
project; and			
 project; and using a discount rate of 10-11% (cor oil and LNG price hedging has been value volumes and rates at 30 June 2023, oil ar rate of 0.65 and a discount rate of 10-11% corporate rate of 30%; LNG trading has been valued on the basis of the existing contracts: 	isistent with the discount ra d on a mark-to-market bas d LNG prices as set out in S %. The calculation also allo of a DCF of the projected a	ate used to value A is assuming Origin' Section 6.3.3, an US ws for tax on the s after tax cash flows	PLNG); s hedged \$\$/A\$ exchang pread at the s over the term
 project; and using a discount rate of 10-11% (cor oil and LNG price hedging has been value volumes and rates at 30 June 2023, oil ar rate of 0.65 and a discount rate of 10-11% corporate rate of 30%; LNG trading has been valued on the basis of the existing contracts: the key assumptions adopted for Or 	isistent with the discount random a mark-to-market bas d LNG prices as set out in S %. The calculation also allo s of a DCF of the projected a igin's two major contracts a	ate used to value A is assuming Origin' Section 6.3.3, an US ws for tax on the s after tax cash flows are as follows:	PLNG); s hedged \$\$/A\$ exchang pread at the s over the term
 project; and using a discount rate of 10-11% (cor oil and LNG price hedging has been value volumes and rates at 30 June 2023, oil ar rate of 0.65 and a discount rate of 10-11% corporate rate of 30%; LNG trading has been valued on the basis of the existing contracts: the key assumptions adopted for Or subsequent to December 2023 remainder of its term; and 	isistent with the discount ra d on a mark-to-market bas d LNG prices as set out in S %. The calculation also allo of a DCF of the projected a igin's two major contracts a the ENN contract is value	ate used to value A is assuming Origin' section 6.3.3, an US ws for tax on the s after tax cash flows are as follows: neutral for Origin f	PLNG); s hedged 5\$/A\$ exchang pread at the s over the term for the
 project; and using a discount rate of 10-11% (cor oil and LNG price hedging has been value volumes and rates at 30 June 2023, oil ar rate of 0.65 and a discount rate of 10-11? corporate rate of 30%; LNG trading has been valued on the basis of the existing contracts: the key assumptions adopted for Or subsequent to December 2023 remainder of its term; and the Cameron contract continue period from FY24 to FY26; 	isistent with the discount ra d on a mark-to-market bas id LNG prices as set out in S %. The calculation also allo s of a DCF of the projected a igin's two major contracts a s, the ENN contract is value es until 2039, but with majo	ate used to value A is assuming Origin' section 6.3.3, an US ws for tax on the s after tax cash flows are as follows: neutral for Origin f prity of EBITDA gen	PLNG); s hedged \$\$/A\$ exchang pread at the s over the term for the erated over th
 project; and using a discount rate of 10-11% (cor oil and LNG price hedging has been value volumes and rates at 30 June 2023, oil ar rate of 0.65 and a discount rate of 10-11% corporate rate of 30%; LNG trading has been valued on the basis of the existing contracts: the key assumptions adopted for Or subsequent to December 2023 remainder of its term; and the Cameron contract continue period from FY24 to FY26; the EBITDA over the period from FY with its FY23 results (of \$40-60 milli FY26). EBITDA in subsequent years much less material; 	isistent with the discount ra d on a mark-to-market bas d LNG prices as set out in S %. The calculation also allo s of a DCF of the projected a igin's two major contracts a t, the ENN contract is value es until 2039, but with majo 24 to FY26 is consistent with on in FY24 and \$450-650 m is based on the Business Op	ate used to value A is assuming Origin' section 6.3.3, an US ws for tax on the s after tax cash flows are as follows: neutral for Origin f prity of EBITDA gen h the guidance pro hillion over the peri peration Cash Flow	PLNG); s hedged \$\$/A\$ exchang pread at the s over the term for the erated over th vided by Origin od from FY25 for Model and is
 project; and using a discount rate of 10-11% (cor oil and LNG price hedging has been value volumes and rates at 30 June 2023, oil ar rate of 0.65 and a discount rate of 10-11% corporate rate of 30%; LNG trading has been valued on the basis of the existing contracts: the key assumptions adopted for Or subsequent to December 2023 remainder of its term; and the Cameron contract continue period from FY24 to FY26; the EBITDA over the period from FY with its FY23 results (of \$40-60 milli FY26). EBITDA in subsequent years much less material; the DCF analysis allows for tax at the 	isistent with the discount ra- d on a mark-to-market bas d LNG prices as set out in S %. The calculation also allo s of a DCF of the projected s igin's two major contracts a s, the ENN contract is value as until 2039, but with majo 24 to FY26 is consistent with on in FY24 and \$450-650 m is based on the Business Op e corporate rate of 30% and	ate used to value A is assuming Origin' section 6.3.3, an US ws for tax on the s after tax cash flows are as follows: neutral for Origin f prity of EBITDA gen h the guidance pro illion over the peri peration Cash Flow	PLNG); s hedged S\$/A\$ exchang pread at the s over the term for the erated over th wided by Origin od from FY25 to Model and is







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Samuel ending	l has also 30 April	o made longer term assumptions to extend the cash flows for an additional six years to the yea 2034 (to determine 10 years of cash flows on a FY basis).
The DC	F mode	has discrete assumptions for each of Octopus Energy's business operations:
 fo ar 	or Retail nd cost o	Energy Supply, customer wins (United Kingdom and international) and EBITDA, cost to serve of goods sold per customer;
 fo m 	or Platfo Iargin ar	rm Licensing, customer wins (by customer, existing/known and new) and revenue, gross nd cost to serve per customer; and
 fo se 	or Octop erve as a	us Renewables, additional assets under management and revenue, gross margin and cost to percentage of assets under management.
This ap expend busines	proach diture ar sses.	allows for the different growth, earnings and cost profiles of each business. Capital In working capital assumptions have also been made for each of Octopus Energy's
For Sce	enario A,	the DCF model assumes the following:
■ EE	BITDA is	projected for each business operation based on specific assumptions:
•	Reta	il Energy Supply:
	-	in the United Kingdom, EBITDA per customer increases from just under £50 in the year ending 30 April 2024 to £60 by the year ending 30 April 2027 and customers grow to ~6.5 million by the year ending 30 April 2028 (representing ~22% market share). EBITDA per customer and the number of customers remain at these levels for the rest of the projection period.
		These assumptions reflect the expected impact of competition and regulatory price caps (and other regulatory risks) on the United Kingdom retail energy supply market.
		A long term sustainable EBITDA of £60 per customer is considered reasonable given the current (from 1 October 2023) Ofgem average annual gross margin of £307 per customer and Octopus Energy's advantageous cost to serve (which is well below the Ofgem average annual allowance of £226 per customer), enabling it to generate an annual EBIT per customer in excess of Ofgem's average annual EBIT per customer of £44 (or £65 including headroom), after allowing for movements in the cost of energy and retail price discounts;
	-	for international markets, EBITDA per customer grows to £35 by the year ending 30 April 2027 and remains at that level for the rest of the projection period. Customers grow to ~5.7 million by the end of the projection period (including 100% of TG Octopus Energy customers ⁸⁸). The lower sustainable EBITDA per customer reflects the additional operational risks and smaller scale in these markets relative to the United Kingdom (which is largely de-risked); and
	-	cost to serve and cost of goods sold are calculated on a per customer basis to determine revenue per customer and total revenue (although revenue is only used in the calculation or working capital);
		The result of these assumptions is a gradual decline in overall revenue per customer (i.e. across the United Kingdom and international markets) from that achieved in FY23 of £2,910 (which included the impact of recouping additional costs incurred in FY22 during the period of highly volatile wholesale market prices) to levels more consistent with those achieved in the year ended 30 April 2021 of £1,449 (adjusted for cost inflation). The decline in revenue







while, the acquisition remains subject to regulatory approval, origin does not anticipate any issues with obtaining regulatory approval, even though it will increase Octopus Energy's market share in the United Kingdom to ~23%, making it the largest retail supplier of electricity and the second largest retail supplier of gas in the United Kingdom;

- Scenario E indicates the impact on NPV of higher growth in Retail Energy Supply's international business (excluding Japan). While international markets represent a substantial opportunity for Octopus Energy, success in these markets has been limited to date and is likely to be impacted by:
 - competitive responses from large incumbent retail energy suppliers (in the absence of Octopus Energy making international acquisitions); and
 - balancing the desire to grow international retail energy supply customers with licensing the Kraken platform (effectively to competitors) in the same markets.

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The relatively small incremental increase in NPV (relative to Scenario A) reflects the more modest EBITDA per customer assumption of £35, which results in the international business (excluding Japan) representing just over 25% of total Retail Energy Supply EBITDA at the end of the projection period







The December 2021 capital raising indicates an uplift in enterprise value of 250% over the 18 month period to December 2021 and 23% since the September 2021 capital raising. Similarly, enterprise value per customer (although a relatively crude measure of value) increased by 62% over the 18 month period to December 2021 and 23% since the September 2021 capital raising.

The increase in customers, customer accounts and assets under management since December 2021 is shown in the table below:

OCTOPUS ENERGY - GROWTH IN BUSINESS FROM DECEMBER 2021 TO JUNE 2023

	DECEMBER	JUNE	UPLIFT	
	2021	2023	ABSOLUTE	PERCENT
Retail Energy Supply customers (millions) ⁹²	3.1	5.4	+2.3	+74%
Retail Energy Supply customer accounts (millions) ⁹²	5.6	9.7	+4.4	+83%
Platform Licensing customer accounts (millions)	20.0 ⁹³	32.2	+12.2	+61%
Assets under management (£ billions)	3.4	5.8	+2.4	+71%

Company announcements, Origin and Grant Samuel analysis

Subsequent to the December 2021 capital raising, Octopus Energy experienced considerable growth:

- almost doubling customer accounts, including the Bulb Energy acquisition;
- growing contracted Kraken customer accounts by more than 50%;
- increasing assets under management by £2.4 billion; and
- delivering strong earnings (and its first positive EBITDA and EBIT) in FY23.

Retail Energy Supply customers and customer accounts include the United Kingdom and international markets.
 This figure includes customer accounts where it had been agreed to migrate to the *Kraken* platform through agreements with Good Energy (October 2019, 0.3 million customer accounts), E.ON UK (March 2020, 8.7 million customer accounts), Origin (May 2020, 3.8 million customer accounts) and EDF UK (November 2021, 5 million customer accounts), even though the migration was not complete in December 2021. While this overstates the number of Platform Licensing customer accounts, it is indicative of the expectations at the time of the capital raising. The actual number of Platform Licensing customer accounts in December 2021 was between 14.4 million (in June 2021) and 16.1 million (in April 2022).




- the acquisition of SSE Energy Services (SSE's household energy and services business in the United Kingdom) by OVO in January 2020 followed a failed merger with Innogy SE's retail subsidiary npower in December 2018 due to challenging market conditions, declining customer numbers and the introduction by the government of a retail energy price cap. Following the failed merger, SSE progressed a range of options for SSE Energy Services including a sale or standalone listing. SSE was arguably to some degree a forced seller and the performance of the business was declining due to the decision not to pass on wholesale price increases to customers during 2018 and the impact of the default tariff cap in early 2019 (SSE has a 31 March year end). This negative outlook is reflected in the implied multiples; and
- First Utility was an independent provider of retail energy and broadband in the United Kingdom and was Shell's entry into the United Kingdom retail energy supply market. Its relatively lower multiples



SHAREMARKET EVIDENCE

profitability).

A number of Octopus Energy's peers are listed entities but all are integrated energy companies or gentailers (similar to Origin). The following charts set out the historical and forecast EBITDA and EBIT multiples for these listed companies based on share prices at 31 August 2023:





⁹⁵ Converted at a €/£ exchange rate of 0.8557.





GRANT SAMUEL 6.8 Value of Origin's Interest in APLNG 6.8.1 Summary Grant Samuel has valued Origin's 27.5% interest in APLNG in the range \$6,894-7,506 million (net of the loan from APLNG to Origin). The valuation incorporates the value of the project's various interests in upstream gas fields, the APLNG pipeline and the Curtis Island LNG facility: **ORIGIN - VALUATION OF INTEREST IN APLNG (\$ MILLIONS)** VALUATION RANGE SECTION REFERENCE LOW HIGH APLNG business operations 6.8.2, 6.8.3 31,000 33.000 Adjusted net debt at 30 June 2023 6.8.4 (6.065) (6.065) Other assets 6.8.5 630 855 Equity value 25,565 27,790 27.5% Origin's interest 27.5% Gross valuation of Origin's equity interest 7,030 7.642 Loan due by Origin to APLNG 5.3 (136)(136)Net valuation of Origin's equity interest 6,894 7.506 Grant Samuel's valuation of Origin's 27.5% gross interest in APLNG of \$7,030-7,642 million is higher than Origin's carrying value at 30 June 2023 of \$5,469 million. Origin's carrying value is on an equity accounted basis and represents the historical cost of the investment adjusted for profits and dividends over time. In comparison, Grant Samuel's value estimate is a judgement as to the price that an acquirer may be willing to pay for Origin's 27.5% interest in APLNG by reference to DCF analysis and other valuation cross checks (e.g. multiples analysis and the equity value implied by recent sales of interests in APLNG). The NPVs calculated by Grant Samuel's DCF analysis represent the "intrinsic value" of APLNG. When using these NPVs in the context of estimating the value of Origin's 27.5% interest, consideration needs to be given to the nature of the interest and whether a discount to the calculated NPVs should be applied. Origin is operator of the upstream components and has board representation and other protection mechanisms. including pre-emptive rights. However, the buyer pool for the asset is limited with potential acquirers most likely to be large upstream oil and gas producers (e.g. ConocoPhillips, etc.) or parties seeking to secure offtake from the project (e.g. Sinopec or Kansai Electric). Prima facie, there appears to be very few potential financial investors apart from EIG. The pre-emptive right held by each shareholder in the asset is also likely to restrict the potential buyer pool. In selecting the valuation range, Grant Samuel has also considered the value implied by recent arm's length transactions involving minority interests in APLNG. The most recent transaction, EIG's conditional selldown of a 2.49% interest to ConocoPhillips post completion of the Scheme, is estimated to value the equity in APLNG at 30 June 2023 at \$7.25 billion (for a 27.5% interest). While this is within the valuation range adopted by Grant Samuel, it is hard to be precise about the economics of the transaction given the very limited detail provided by ConocoPhillips and EIG in their public disclosures of the transaction (e.g. in relation to any adjustment for distributions post 30 June 2022). Furthermore, it is conceivable that the price includes some level of strategic premium, as the interest allowed ConocoPhillips to increase its stake in the project to 49.9%. It will also acquire operatorship of the upstream elements of the project if the Scheme is implemented. In this context, the previous transaction in late 2021 implied a value of only \$5.5 billion (for a 27.5% interest). While spot oil prices and the longer term outlook for oil prices at that time were lower than is currently the case and the A\$ was stronger, long term Australian bond rates were approximately 200 basis points (2%) lower than they are now.





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98 Excludes royalty costs



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100% basis Origin's int even thoug	s ⁹⁹ , which equates to approximately \$7.25 billion for Origin's equity share. The value of terest in APLNG implied by the transaction falls within the range adopted by Grant Samue gh there are some arguments for a discount from that value; and
 in Februariempted an APLNG of a \$5.5 billior 	y 2022, Origin completed the sale of a 10% interest in APLNG to ConocoPhillips (which pre n offer from EIG) for total proceeds of \$1,998 million, implying a value for the equity in approximately \$20 billion and equates to a value for Origin's 27.5% equity interest of circa n. While this is well below the range adopted by Grant Samuel:
• this v	was the sale of a minority interest without operatorship, a board seat or veto rights;
 when longe 	n the transaction was announced in October 2021, domestic gas, LNG and oil prices, and th er term outlook for these prices were lower than where is the case today; and
• the U of ~0 Austr gener	JS\$/A\$ exchange rate at the time was approximately 0.75 compared to the current spot rat 0.65. Given the project predominantly earns revenue in US dollars but incurs costs in ralian dollars, all else being equal a weaker Australian dollar results in a higher A\$ cash flov rated by the project.
At the sam they are no	ne time, Australian 10 year bond rates were approximately 200 basis points (2%) lower tha ow and United States 10 year bonds were approximately 300 basis points (3%) lower.
Other Transac	tion Evidence
There are limite transactions inc	ed other transactions involving LNG projects in the Australian region. The most relevant clude:
 Santos' acc comprised (complete 	quisition of ConocoPhillips Northern Australia asset portfolio, which predominantly I interests in Darwin LNG and the associated offshore gas fields Bayu-Undan and Barossa ed May 2020);
 SK E&S' su 2021; 	bsequent acquisition of a 25% interest in Darwin LNG and Bayu-Undan completed in April
 Santos' me 	erger with Oil Search in 2021, which held a 29% interest in the PNG LNG project; and
 Kumul Pet 2023). 	troleum's acquisition of a 2.6% interest in PNG LNG from Santos, announced on 1 Septemb
The following ch	harts summarises the reserve and resource multiples implied by these transactions:



The transactions multiples are in a wide range, reflecting the unique circumstances of each transaction and each asset. Grant Samuel notes the following:

- the transactions involving Darwin LNG, Bayu-Undan and Barossa were at much higher 2P reserve multiples than the multiples implies by the recent APLNG transactions due to the relatively lower proportion of reserves to resources. Bayu-Undan reserves are almost depleted and Barossa (which is intended to backfill Darwin LNG) is yet to be developed and hence is classified as a 2C contingent resource. These transactions are not considered comparable to APLNG;
- while Oil Search held an interest in the producing PNG LNG project, it also held interests in several undeveloped oil and gas fields in PNG, as well as interests in Alaskan oil resources. Accordingly, its broader portfolio of oil and gas assets is not like-for-like when compared to the APLNG project; and
- PNG LNG cannot be considered directly comparable to APLNG. PNG LNG sources gas from conventional gas reservoirs whereas APLNG uses CSG, which involves extracting gas through drilling thousands of individual wells. As such, the life of field production costs and capital expenditure are considerably different. Furthermore, PNG LNG is located in a different jurisdiction and is subject to different regulatory, fiscal regimes and political risks.

Sharemarket Evidence

There are numerous publicly listed companies both in Australia and globally that hold interests in LNG projects. The following chart sets out the reserve and resource multiples for relevant listed companies based on share prices at 31 August 2023:





APLNG related cash held by Origin as the upstream operator of APLNG is only available to fund APLNG related operations. It has been excluded from Origin's cash balance in calculating its net debt (see Section 6.10).

There are other adjustments that could be made to APLNG's net debt, namely, an adjustment for the accessibility of some cash held by APLNG which is restricted under the terms of the project's finance facilities (but will become available as the facilities are repaid), as well as an adjustment for the fair market

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¹⁰⁰ Production, resources and reserves have been converted at 1 PJ = 0.17194 boe.

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valu Hov her	ue of APLNG's debt facilities (two of which are fixed rate facilities priced below current market rates). wever given the offsetting nature of these adjustments the net impact is unlikely to be material and nee no adjustments have been made for these items.
6.8	3.5 APLNG Other Assets
APL	.NG's other assets have been valued in the range \$630-855 million and represent:
•	receivables due from shareholders of \$324 million (relating to the withdrawal of funds from APLNG that were reserved for future repayments of the project finance facility ¹⁰¹). This receivable will effectively fall away once APLNG's debt facilities have been repaid in FY31 but had the funds not been withdrawn, APLNG's cash balance at 30 June 2023 would have been higher. The portion of the receivable that is effectively due from Origin (\$136 million) has been deducted from the value of Origin's 27.5% interest in APLNG; and
•	the value attributed to APLNG's exploration and development assets of \$306-531 million. GaffneyCline prepared valuations of APLNG's exploration and development interests in the Surat- Bowen Basins in Queensland for which it is not appropriate to prepare cash flow based valuations. These include:
	 remnant resources and reserves and brownfield exploration targets not included as part of the life of field plans for each of APLNG's producing gas fields;
	 early stage development assets which are greenfield in nature and for which production schedules cannot be reliably produced at this stage; and
	greenfield exploration assets.
	The GaffneyCline valuation of these interests is set out in its detailed report, which is included as Appendix 4 to this report.
6.9	Other Assets and Liabilities
Ori	gin's other assets and liabilities have been valued at \$427 million and include:
•	the cash refund of \$425 million relating to the LGC shortfall charge paid by Origin over the period from FY21 to FY23 less the actual cost of the LGCs. Origin expects this cash refund to be received over the period from FY24 to FY26. The NPV of this refund (\$400 million) has been included as a surplus asset. It is not assessable for tax to align with the non-deductible treatment of the shortfall charge and has been discounted to a NPV at a discount rate reflecting the three year bond rate (~4%);
•	equity securities and debt and other securities with a fair value of \$168 million at 30 June 2023, including investments in a number of technology start-ups, investments in a number of new technology/energy transition funds and gas prepayments to Golden Beach Energy;
•	the net proceeds (after tax) from the sale of Origin's LPG business in the Pacific;
•	Origin's 25% interest in the Gaschem joint ventures which had a carrying value of \$10 million at 30 June 2023 and is immaterial in the context of the overall valuation of Origin (Origin's other minor equity accounted investment, Gasbot Pty Ltd had a carrying value of nil at 30 June 2023); and
•	provisions that are not included in the cash flows for Energy Markets, Other Integrated Gas and corporate costs of \$225 million (tax effected). These provisions primarily relate to restoration at legacy sites inherited by Origin and provisions for "make good" of office properties on the expiry of leases.







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Th ba ab Se	e valuation range of \$8.45-9.48 per share includes a premium for control and exceeds the price at which sed on current market conditions, Grant Samuel would expect Origin shares to trade on the ASX in the sence of a change of control proposal (or speculation as to such a proposal). The valuation is set out in ction 6 of this report.
In int	considering the valuation there are several important contextual factors that shareholders should take to account:
•	a number of positive events have occurred since the announcement of the Scheme on 27 March 2023 For example:
	Origin has reported very strong FY23 results, with:
	 underlying EBITDA up 47%; and
	- underlying NPAT up 84%.
	Energy Markets is expected to increase EBITDA by a further 49% in FY24 (based on the mid-point of Origin's guidance);
	 Origin's primary competitor, AGL Energy, also reported strong FY23 results, with underlying EBITDA up 12% and underlying NPAT up 25% despite substantial losses from extended outages at Loy Lang A and the closure of the Liddel power station. AGL Energy's guidance for FY24 is for underlying EBITDA to grow by 49% (based on the mid-point of AGL Energy's guidance); and
	 AGL Energy's share price has increased from \$7.69 on 27 March 2023 to \$10.95 on 13 October 2023, an uplift of 42%.
	While it is tempting to believe that the underlying value of Origin has therefore increased markedly since the Scheme was announced:
	 Origin has advised that in agreeing the terms with the Consortium, the directors had an expectation that performance would improve substantially. For example, the coal price cap had been announced on 22 December 2022 and the draft DMO/VDO for FY24 was announced on 15 March 2023. Hence, the very substantial premium for control (in the order of 60%). While the recovery has been faster than expected, the critical issue is whether the long term value drivers for Origin are now more positive than those already factored into the Scheme consideration;
	EBITDA for Energy Markets in FY25 is expected to decline to more sustainable levels:
	 the coal price cap expires in June 2024. A \$30 per tonne increase in the coal price would reduce EBITDA by over \$150 million in FY25. In any event, the earnings from Eraring will cease after FY25 unless operations are extended through agreement with the New South Wales Government. Even if that occurs, it will only be extended for a limited period; and
	 tariffs (i.e. DMO/VDO) are currently expected to moderate in FY25 (and the incoming New South Wales Government has flagged a focus on reducing household electricity bills). A \$5/MWh reduction in tariffs would reduce Origin's margins on its ~13.5 TWh of mass marke load by ~\$70 million per annum; and
	• AGL Energy's strong earnings and share price uplift appear to be largely due to the performance of its coal-fired generation assets which:
	 benefit from low cost, long term coal supply contracts; and
	 represent a substantially larger proportion of AGL Energy's demand compared to Origin. AGL Energy's coal-fired plants produced well over 100% of its total customer demand in FY23.





Note: Orange shaded figures reflect the expected Scheme implementation date set out in the Scheme Booklet.

In relation to the above analysis, it should be noted that:

- the cash consideration and the total cash payment received by shareholders will be rounded to two decimal places; and
- as the cash consideration will be paid in Australian dollars (with the US dollar component of the cash
 consideration converted to Australian dollars at the prevailing exchange rate shortly prior to
 implementation of the Scheme), a delay in implementation of the Scheme will expose shareholders to
 movements in the US\$/A\$ exchange rate over a longer period.

The additional consideration compensates shareholders for Origin's earnings (or, alternatively, the time value of money) in the event that the Scheme is not implemented by 30 November 2023 (at a rate equivalent to approximately 6% per annum).

Furthermore, the US dollar component of the cash consideration (US\$1.641 per share) will be converted to Australian dollars based on the prevailing exchange rate shortly prior to implementation of the Scheme. Accordingly, the Australian dollar equivalent of the cash consideration will change depending on the US\$/A\$ exchange rate on implementation of the Scheme. The impact of the US\$/A\$ exchange rate on the

¹⁰³ Calculated as \$6.589 + US\$1.641/0.65 = \$9.114 (rounded to three decimal places).

¹⁰² The value attributed by Grant Samuel to the Scheme consideration of \$9.11 and the cash consideration that will be received by shareholders of \$8.78 differs from the values set out in the Scheme Booklet of \$9.15 and \$8.81 respectively as the US\$/A\$ exchange rate adopted in the Scheme Booklet is 0.64.



represents the relevant threshold for fairness. Any price above the bottom of the range is, by definition, fair and it is irrelevant where in the range an offer falls.

While the Australian dollar equivalent of the cash consideration will change with movements in the US\$/A\$ exchange rate, this would be largely offset by a corresponding movement in Grant Samuel's estimate of the underlying value per Origin share (as Origin's 27.5% interest in APLNG earns most of its revenue in US dollars).

Time Value Considerations

The transaction has had an extended and uncertain timetable having been initially announced in November 2022 but subject to an extensive ACCC approval process. Valuations by brokers have assumed various completion dates resulting in widely divergent outcomes (not least because they estimate very different levels of debt).

The Scheme includes additional consideration payable to Origin shareholders to the extent implementation is delayed beyond 30 November 2023 at a rate of approximately \$0.045 per month, equivalent to about 6% per annum. The Scheme is expected to be implemented on 18 December 2023 (if approved by shareholders).

The value of Origin at 18 December 2023 would be higher than it was at the valuation date of 30 June 2023 assuming it achieves positive earnings and pays no additional dividends.

¹⁰⁴ Rounded to three decimal places.

GRANT SAMUEL A valuation at 18 December 2023 cannot be reliably determined in advance but one theoretical approach to aligning dates would be to "roll forward" the valuation to that date assuming a return on equity. A rate of, say, 10% would add approximately \$0.40 (to the low end of the valuation range). A 6% rate in line with the additional consideration would add approximately \$0.24. However, it should be noted that the actual valuation at 18 December 2023 may not necessarily produce that level of increase because actual performance may vary from the FY24 Budget and forecast long term cash flows and economic conditions may have changed. 7.3 Reasonableness As the Scheme is fair, it is also reasonable. In any event, there are a number of other factors that support the reasonableness of the Scheme and which Origin shareholders should consider in determining whether or not to vote for or against the Scheme. These factors are set out in the following sections. 7.3.1 Premium for Control The Scheme consideration at the time of announcement of the Scheme of \$9.11 per share (based on a US\$/A\$ exchange rate of 0.65) represents a 56.8% premium¹⁰⁵ to the price at which Origin shares last traded prior to announcement of the Indicative Proposal. The premium is slightly higher (up to ~63%) when compared to prices in up to the three months prior to announcement but slightly lower compared to prices over the longer term (~54-55%):

		PREMIUM		
PERIOD	ORIGIN SHARE PRICE/VWAP	ON ANNOUNCEMENT (HEDGED) ¹⁰⁶	ON ANNOUNCEMENT (SPOT) ¹⁰⁷	US\$/A\$ EXCHANGE RATE OF 0.65
9 November 2022 – pre-announcement closing price	\$5.81	53.4%	56.2%	56.8%
1 month prior to 9 November 2022 – VWAP	\$5.60	59.0%	62.0%	62.6%
3 months prior to 9 November 2022 - VWAP	\$5.76	54.7%	57.6%	58.2%
6 months prior to 9 November 2022 – VWAP	\$5.94	50.2%	52.9%	53.5%
12 months prior to 9 November 2022 – VWAP	\$5.88	51.5%	54.3%	54.9%

ORIGIN – PREMIUM OVER PRE-ANNOUNCEMENT PRICES

The level of the premium has also been impacted by movements in the US\$/A\$ exchange rate. The weakening of the Australian dollar against the US dollar in August 2023 has resulted in a slight increase in the premium based on the current exchange rate.

The premiums are well above the level of premiums typically associated with takeovers in Australia (of 20-35%) particularly in view of the absence of strategic integration benefits or synergies (other than some savings in corporate costs). However, it is important to recognise that:

- premiums for control are an outcome not a determinant of value; and
- they vary widely depending on individual circumstances.

In this case, the extent of the premium is probably attributable to the subdued market perceptions of Origin and its business outlook at the time of announcement of the Indicative Proposal on 10 November 2022. For example:

¹⁰⁵ The premiums shown in this section differ from those set out in the Scheme Booklet as the Scheme Booklet adopts a Scheme consideration of \$9.15 based on a US\$/A\$ exchange rate of 0.64.

¹⁰⁶ As announced to the market by Origin on 27 March 2023, this amount differs from the \$8.90 value contained in Origin's 22 February 2023 announcement due to certain hedging gains realised subsequent to that date. The effective US\$/A\$ exchange rate is 0.6992.

¹⁰⁷ At the spot US\$/A\$ exchange rate on 24 March 2023 of 0.6645.



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•	there are relatively few potential acquirers that have the scale and financial capacity to acquire Origin (see below); and
•	there is no guarantee that there would be a change of control event in the foreseeable future (or at least within a shareholder's investment horizon).
Ot	ner Acquirers
ln d tha Ori	leciding whether to vote for or against the Scheme, shareholders need to have regard to the alternative t are realistically available to them. It is conceivable that a third party could make a higher offer for gin:
•	the Scheme has highlighted the strategic value of Origin's business operations and investments. Origin could be an attractive acquisition for a number of parties; and
•	there are no structural impediments to an alternative acquirer:
	 the Consortium has no shareholding in Origin. There is only one shareholder with a relevant interest of more than 10% of Origin's shares (AusSuper) but it is considered an institutional investor;
	 while there are the usual exclusivity provisions in the scheme implementation deed, there is a fiduciary carve out and Origin can respond to unsolicited proposals from other parties (subject to a disclosure obligation); and
	 the reimbursement fee of \$151 million payable by Origin (under certain circumstances) is not material having regard to the standalone value of Origin.
On	the other hand:
•	the extent of the premium already offered under the Scheme may be a deterrent;
•	the Consortium has a matching right in respect of any superior proposal received by Origin; and
	the number of realistic acquirers of Origin is relatively limited because of the size (>\$18 billion) and diverse asset base of Origin. There is unlikely to be a single party with a strong interest in acquiring Energy Markets, 20% of Octopus Energy and 27.5% of APLNG. It is more than likely any alternative offer would need to take the form of some kind of consortium bid (similar to the Consortium) where each party is interested in a specific asset. However, successful consortium bids are relatively rare and there are typically considerable challenges to reaching agreement between multiple parties and significant complexities in execution.
	Further:
	 it is not apparent that there are many obvious acquirers for a 27.5% interest in APLNG. It is a semi-passive stake in a mature asset. While the shareholding does bring with it upstream operatorship (and a board seat), ConocoPhillips has a 47.5% interest in the joint venture and control of downstream activities. ConocoPhillips' recent purchase of a 10% interest from Origin and a 2.49% interest from MidOcean (conditional on the Scheme being implemented) does not suggest it wants to materially increase its holding beyond 50%; and
	 there are no local industry participants capable of acquiring the Energy Markets business. Acquirers are therefore limited to financial buyers interested in the sector or offshore industry participants (who have, in the past, acquired Energy Australia and Alinta Energy).
Sin rec like	ce announcement of the Indicative Proposal on 10 November 2022, no superior proposal has been eived and, at the date of this report, the Origin directors are not aware of any superior proposal that is ely to emerge.







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GLO	SSARY OF ABBREVIATIONS AND TECHNICAL TERMS
The following terms used in he meanings set out below	this report (including the summary letter, the full report and the appendices) have
	ORIGIN – GLOASSARY OF ABBREVIATIONS AND TECHNICAL TERMS
ABBREVIATION	DEFINITION
1HYXX	the six months ended 31 December 20XX (i.e. 1HY23 is the six months ended 31 December
	2023)
2C	the best estimate of contingent resources
2HYXX	the six months ended 30 June 20XX (i.e. 2HY23 is the six months ended 30 June 2023)
2P	the sum of proved and probable reserves. Denotes the best estimate of reserves
3P	the sum of proved and probable reserves. Denotes the high estimate of reserves.
\$ OF A\$	Australian dollars
ACCC	Australian Competition and Consumer Commission
adjusted net debt	net debt excluding cash held by Origin to fund APING-related operations and adjusted to
	take into account the effect of foreign exchange hedging transactions on Origin's foreign currency debt obligations
adjusted net debt to adjusted	adjusted net debt divided by adjusted underlying EBITDA over the relevant rolling 12 month
underlying EBITDA ratio	period
adjusted underlying EBITDA	Origin's underlying EBITDA less Origin's share of APLNG underlying EBITDA plus net cash flow (i.e. cash dstribution) from APLNG over the relevant 12 month period
ASIC	Australian Securities & Investments Commission
ASX	Australian Securities Exchange
bbl	barrel of oil
boe	barrel of oil equivalent
CAPM	Capital Asset Pricing Model
CEO	Chief Executive Officer
CFO	Chief Financial Officer
CGT	capital gains tax
Corporations Act	Corporations Act 2001 (Cth)
CSG	coal seam gas
DCF	discounted cash flow
DMO/VDO	Default Market Offer (applies in New South Wales, South East Queensland, and South Australia)/ Victorian Default Offer (applies in Victoria)
EBIT	earnings before net interest, tax, results of equity accounted investees and items excluded from underlying profit
EBITDA	earnings before net interest, tax, depreciation and amortisation, results of equity accounted investees and items excluded from underlying profit
EPG	energy price guarantee
ESG	environmental, social and governance
EV	electric vehicle
FEED	front end engineering design
FID	final investment decision
FOB	free on board
free cash flow	net cash from operating and investing activities (excluding major growth projects) less interest paid

ABBREVIATION FYXX gearing ratio GGS GJ GSA	DEFINITION financial year end 30 June 20XX (i.e. FY23 is the year ended 30 June 2023) adjusted net debt divided by adjusted net debt plus total equity gas gathering system
ABBREVIATION FYXX gearing ratio GGS GJ GSA	DEFINITION financial year end 30 June 20XX (i.e. FY23 is the year ended 30 June 2023) adjusted net debt divided by adjusted net debt plus total equity gas gathering system
ABBREVIATION FYXX gearing ratio GGS GJ GSA	DEFINITION financial year end 30 June 20XX (i.e. FY23 is the year ended 30 June 2023) adjusted net debt divided by adjusted net debt plus total equity gas gathering system
FYXX gearing ratio GGS GJ GSA	financial year end 30 June 20XX (i.e. FY23 is the year ended 30 June 2023) adjusted net debt divided by adjusted net debt plus total equity gas gathering system
gearing ratio GGS GJ GSA	adjusted net debt divided by adjusted net debt plus total equity gas gathering system
GGS GJ GSA	gas gathering system
GJ GSA	
GSA	gigajoule
	gas sales agreement
GW	gigawatt
interest cover	EBIT divided by net interest expense
items excluded from underlying profit	items that do not align with the manner in which the CEO reviews the financial and operating performance of the business which are excluded from underlying profit
JCC	Japan Crude Cocktail
JKM	Platts Japan/Korea Marker, the LNG benchmark price assessment for spot physical cargoes delivered ex-ship into Japan, South Korea, China and Taiwan
km	kilometres
KW	kilowatt
KWh	kilowatt hours
LGC	large scale generation certificate
LNG	liquified natural gas
LPG	liquified petroleum gas
m ³	cubic metres
mm	millimetres
Mbbl	millions of barrels of oil
Mboe	millions of barrels of oil equivalent
Mbtu	millions of British thermal units
Moody's	Moody's Investor Services
MRCPS	Mandatorily Redeemable Cumulative Preference Shares
MW	megawatt
MWh	megawatt hours
Mt	million tonnes
Mtpa	million tonnes per annum
nd	not disclosed
nmc	not a meaningful calculation
NPAT	net profit after tax
NPV	net present value
NTA	net tangible assets, which is calculated as net assets less intangible assets, where intangible assets include right-of-use assets
Ofgem	Office of Gas and Electricity Markets (in the United Kingdom)
PAYG	pay-as-you-go
PJ	petajoules of natural gas production
РРА	Power Purchase Agreement
ТоР	take or pay
Tbtu	trillion British thermal units
TJ	terrajoules of natural gas
TTF	Title Transfer Facility, a pricing location in the Netherlands which has become the most liquid pricing location in Europe and therefore often serves as a proxy for the overall European LNG import market
TWh	terrawatt hour
underlying EBIT	EBIT plus Origin's share of equity accounted investees NPAT
underlying EBITDA	EBITDA plus Origin's share of equity accounted investees FRITDA

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	DEFINITION
underlying return on equity	underlying NDAT attributable to Origin charabelders (average equity attributable to Origin
	underlying NEAT attributable to Origin shareholders/average equity attributable to Origin
	shareholders. Average equity attributable to Origin shareholders is calculated as a simple average over the relevant period
underlying revenue	shareholders. Average equity attributable to Origin shareholders is calculated as a simple average over the relevant period Reported revenue plus Origin's share of equity accounted investees revenue
underlying revenue US\$ or US dollars	shareholders. Average equity attributable to Origin shareholders is calculated as a simple average over the relevant period Reported revenue plus Origin's share of equity accounted investees revenue United States dollars
underlying revenue US\$ or US dollars VWAP	shareholders. Average equity attributable to Origin shareholders is calculated as a simple average over the relevant period Reported revenue plus Origin's share of equity accounted investees revenue United States dollars volume weighted average price



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Different discount rates have been selected for each business unit because they have differing risk profiles. The cash flows of Energy Markets and APLNG are denominated in Australian dollars while the cash flows of Octopus Energy are denominated in British pounds. The cash flows of APLNG are denominated in Australian dollars for convenience but could equally be denominated in US dollars. However, the discount rate would be the same as risk free rates are essentially the same in both countries.

2 Overview

The valuation of an asset or business involves estimating the discount rates that may be utilised by potential acquirers of that asset in assessing the net present value of expected future cash flows. There is a body of theory from which models that generate a cost of capital have been developed but the selection of a discount rate is still fundamentally a matter of judgement. Despite the widespread acceptance and application of various theoretical models, it is Grant Samuel's experience that many companies rely on less sophisticated approaches. Many businesses and investors use relatively arbitrary "hurdle rates" which do not vary significantly from investment to investment or change significantly over time despite movements in interest rates. Valuation is an estimate of what real world buyers and sellers of assets would pay and must therefore reflect parameters that will be applied in practice even if they are not theoretically correct. In other words, the objective is to estimate a discount rate that generates a value for the asset that is, as far as practically possible, consistent with market prices, whether that rate fits a particular theory or not. Grant Samuel considers the rates selected to be discount rates that acquirers would use in practice.

The discount rate selected represents an estimate of the weighted average cost of capital appropriate for these businesses based on a weighted average of the cost of the two primary funding sources, equity and debt. This is the relevant rate to apply to ungeared cash flows. There are three main elements to the determination of an appropriate WACC:

- cost of equity;
- cost of debt; and
- debt/equity mix.

The cost of equity has initially been derived, in the first instance, from application of the capital asset pricing model methodology. The Capital Asset Pricing Model ("CAPM") is probably the most widely accepted and used methodology for determining the cost of equity capital. There are more sophisticated multivariate models which utilise additional risk factors but these models have not achieved any significant degree of usage or acceptance in practice. However, the cost of equity is not an observable number that can ever be "discovered" or "proved" (no matter how many studies are conducted). Estimates are derived from models or theories but these do no more than infer a rate from other data using one particular theory



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Howeve operation with the correlat the retu	, investors cannot diversify away the systematic risk of a particular investment or business n. Systematic risk is the risk that the return from an investment or business operation will vary market return in general. If the return on an investment was expected to be completely d with the return from the market, then the return required on the investment would be equa n required from the market (i.e. the risk free rate plus the market risk premium).
Systema	ic risk is affected by the following factors:
 fin an 	ncial leverage: additional debt will increase the impact of changes in returns on underlying asse therefore increase systematic risk;
 cyc gre 	icality of revenue: projects and companies with cyclical revenues will generally be subject to ater systematic risk than those with non-cyclical revenues; and
 op str co: 	rating leverage: projects and companies with greater proportions of fixed costs in their cost icture will generally be subject to more systematic risk than those with lesser proportions of fix ts.
CAPM p market reflects Covaria systema beta of is less ri equal to	stulates that the return required on an investment or asset can be estimated by applying to the sk premium a measure of systematic risk described as the beta factor. The beta for an investme he covariance of the return from that investment with the return from the market as a whole. ce is a measure of relative volatility and correlation. The beta of an investment represents its ic risk only. It is not a measure of the total risk of a particular investment. An investment with nore than one is riskier than the market as a whole and an investment with a beta of less than c ky. The discount rate appropriate for an investment which involves zero systematic risk would the risk free rate.
The form	ula for deriving the cost of equity using CAPM is as follows:
Re	= Rf + Beta (Rm – Rf)
Where: Re Rf Beta Rm Bm - Rf	 the cost of equity capital; the risk free rate; the beta factor; the expected market return; and the market risk premium
The bet betwee general equity in	for a company or business operation is normally estimated by observing the historical relations returns from the company or comparable companies and historical returns from the market in The market risk premium is estimated by reference to the historical long run premium earned vestments by comparison with the return on risk free investments.
The form	ula conventionally used to calculate a WACC under a "classical tax system" ¹ is as follows:
WACC	= (Re x E/V) + (Rd x (1-t) x D/V)
Where:	
E/V D/V Re	 the proportion of equity to total value (where V = D + E); the proportion of debt to total value; the cost of equity capital:
Rd	 the cost of debt capital; and















¹⁰ Beta factors calculated by Barra as at 31 August 2023 over a period of 60 months using ordinary least squares regression or the Scholes-Williams technique (including lag) where the stock is thinly traded.

¹¹ The Australian beta factors calculated by SIRCA as at 30 June 2023 over a period of 48 months using ordinary least squares regression or the Scholes-Williams technique where the stock is thinly traded. The calculations exclude returns for March 2020 (because of COVID-19 impacts).

¹² The United Kingdom betas are published by the Risk Measurement Service of London Business School ("LBS"), July- September 2023.
¹³ Bloomberg betas have been calculated up to 31 August 2023. Grant Samuel understands that betas estimated by Bloomberg are not calculated strictly in conformity with accepted theoretical approaches to the estimation of betas (i.e. they are based on regressing total returns rather than the excess return over the risk free rate). However, in Grant Samuel's view the Bloomberg beta estimates can still provide a useful insight into the systematic risks associated with companies and industries. The figures used are the Bloomberg "adjusted" betas which are adjusted to reflect reversion to 1.0 over time.

¹⁴ MSCI is calculated using local currency so that there is no impact of currency changes in the performance of the index.

					•				
EQUITY BETA FAC	MARKET	BARRA ¹⁰		LECTRICI	ITY GENER	ATOR AND RETAILER		COMPANIES (CONT) WEEKLY OBSERVATIONS OVER 2 YEARS	
COMPANY	CAPITAL-				SIRCA/	OVER 4 YEARS BLOOMBERG ¹⁵		BLOOMBERG	
	(BILLIONS)	HISTORICAL	LOCAL BETA	GLOBAL BETA	103	LOCAL	MSCI ¹⁶	LOCAL	MSCI ¹⁴
Genesis Energy	2.5	0.16	0.96	0.69	0.52	1.07	0.53	0.77	0.24
Manawa Energy	1.3	0.13	0.88	0.59	-	0.37	0.47	0.52	0.12
Median	6.8	0.29	0.94	0.69	0.52	0.99	0.50	0.89	0.26
Weighted Average		0.35	0.96	0.74	0.64	0.91	0.53	1.08	0.29
EUROPE									
Iberdrola	114.6	0.62	0.84	0.75		0.53	0.62	0.78	0.51
Enel SpA	105.7	0.90	0.89	0.92		0.84	0.94	0.80	0.67
Engie	60.4	0.52	0.72	0.74		0.99	1.08	0.98	0.72
E.ON SE	49.8	0.46	0.71	0.72		0.68	0.69	0.70	0.68
EnBW	37.8					0.41	0.39	0.21	0.26
SSE	34.5	0.59	0.86	0.85	0.78	0.73	0.51	0.71	0.44
Endesa	34.0	0.60	0.82	0.73		0.51	0.72	0.62	0.44
EDP	29.4	0.53	0.99	0.79		0.64	0.57	0.81	0.45
Centrica plc	16.2	0.50	0.83	0.85	1.38	1.69	1.31	0.85	0.33
Drax Group	4.2	0.73	0.98	1.03	1.31	1.57	1.17	0.89	0.43
Yü Group (retailer only)	0.3	0.81	0.94	1.17	1.11	1.67	0.90	1.44	0.46
Median	34.5	0.59	0.85	0.82		0.73	0.72	0.80	0.45
Weighted Average		0.60	0.82	0.78		0.70	0.74	0.72	0.54
NORTH AMERICA									
Duke Energy	105.7	0.49	0.56	0.60		0.48	0.52	0.51	0.54
American Electric	62.4					0.52	0.54	0.50	0.53
Exelon Corporation	61.7	0.56	0.58	0.62		0.59	0.64	0.72	0.79
Constellation Energy	51.7					0.68	0.71	0.93	0.96
Xcel Energy	48.7	0.50	0.59	0.64		0.47	0.47	0.54	0.56
Entergy	31.1	0.75	0.70	0.76		0.77	0.83	0.61	0.66
Alliant Energy	19.6	0.63	0.62	0.66		0.60	0.61	0.60	0.63
Vistra	17.8	0.07	0.75	0.05		1.05	1.13	0.57	0.63
NRG Energy	13.3	0.89	0.78	0.85		1.14	1.21	0.81	0.91
IDACORP	7.5	0.42	0.49	0.51		0.67	0.70	0.51	0.54
Portland General	6.8	0.67	0.64	0.69		0.63	0.66	0.50	0.54
iviedian	31.1	0.59	0.60	0.65		0.63	0.66	0.57	0.63
Weighted Average		0.58	0.59	0.64		0.63	0.66	0.65	0.68

 Origin's betas vary significantly depending on the measurement source. While SIRCA calculates 1.61, Barra calculates 0.25. There are also stark differences between Bloomberg measured over four years and over two years. In addition and, as discussed earlier, Origin's beta has varied significantly over time. Many of the comparable companies have similar issues (e.g. Meridian, Mercury and Centrica);

¹⁵ Bloomberg betas have been calculated up to 31 August 2023. Grant Samuel understands that betas estimated by Bloomberg are not calculated strictly in conformity with accepted theoretical approaches to the estimation of betas (i.e. they are based on regressing total returns rather than the excess return over the risk free rate). However, in Grant Samuel's view the Bloomberg beta estimates can still provide a useful insight into the systematic risks associated with companies and industries. The figures used are the Bloomberg "adjusted" betas which are adjusted to reflect reversion to 1.0 over time.

¹⁶ MSCI is calculated using local currency so that there is no impact of currency changes in the performance of the index.



		GRAN	IT SA	MUE	E L			
GEARING LEVE	LS FOR SELEC	TED LISTED	ELECTRICITY	GENERATO	R AND RETA	AILER COMP	ANIES (COM	IT)
			NET DEBT/(N	IET DEBT + M	ARKET CAPIT	ALISATION)		
	FINANCIAL YE		NCIAL YEAR E	NDED			4 YFAR	5 YEAR
	HISTORICAL	HISTORICAL	HISTORICAL	HISTORICAL	HISTORICAL	CURRENT ¹⁷	AVERAGE	AVERAGE
Contact Energy	15.5%	20.4%	9.9%	14.1%	18.2%	17.7%	15.7%	15.69
Genesis Energy	26.7%	29.8%	27.2%	33.3%	31.0%	32.6%	30.3%	29.69
Manawa Energy	21,9%	25,4%	23,3%	25,4%	22.8%	24,1%	24.2%	23.89
(generation only)	16.0%	21.2%	19 /0/	23.1/0	20.5%	21.2%	20.6%	20.30
Weighted Average	16.1%	18.6%	18.7%	22.8%	18 7%	18 9%	19.0%	18 59
FUROPE	10.176	10.0%	10.770	20.270	10.776	10.370	15.0%	10.57
Iberdrola	43.7%	39.7%	33.5%	38.1%	39.4%	39.3%	37.7%	38.99
	47.2%	41.1%	37.9%	38.0%	56.5%	51.3%	43.4%	44.19
Engie	29.9%	35.0%	36.7%	37.1%	37.9%	40.2%	36.7%	35.39
	21.7%	53.3%	55.2%	48.1%	55.7%	49.9%	53.1%	46.89
EnBW	34.4%	34.4%	36.6%	18.6%	21.3%	29.0%	27.7%	29.19
SSE	43.3%	44.0%	35.6%	31.2%	29.9%	31.9%	35.2%	36.89
Endesa	21.2%	20.2%	22.6%	31.2%	48.7%	40.6%	30.7%	28.89
EDP	57.4%	53.5%	42.3%	44.2%	48.4%	52.5%	47.1%	49.29
Centrica plc	30.8%	42.8%	56.7%	(11.1%)	(17.2%)	(49.5%)	17.8%	20.49
Drax Group	18.4%	41.2%	35.1%	32.6%	32.5%	39.2%	35.4%	32.09
Yü Group (retailer only)	586.2%	(14.3%)	(231.7%)	(22.7%)	(28.7%)	(13.9%)	(74.3%)	57.89
Median	34.4%	41.1%	36.6%	32.6%	37.9%	39.3%	35.4%	36.8%
Weighted Average	32.4%	38.8%	37.7%	37.1%	45.8%	43.3%	39.6%	38.19
NORTH AMERICA								
Duke Energy	48.3%	49.3%	49.5%	46.4%	49.5%	54.0%	48.7%	48.69
American Electric	40.6%	39.4%	45.2%	44.9%	45.0%	52.2%	43.6%	43.09
Exelon Corporation	44.6%	46.6%	49.3%	37.7%	48.2%	51.4%	45.4%	45.39
Constellation Energy					17.6%	16.2%	17.6%	17.69
Xcel Energy	40.2%	37.8%	38.1%	40.2%	40.3%	45.7%	39.1%	39.39
Entergy	52.2%	45.2%	53.0%	54.3%	53.9%	56.4%	51.6%	51.79
Alliant Energy	37.3%	33.2%	35.6%	33.8%	39.0%	41.6%	35.4%	35.89
Vistra	48.5%	50.0%	50.7%	52.0%	61.7%	54.1%	53.6%	52.69
NRG Energy	34.1%	37.9%	35.9%	43.2%	51.8%	59.3%	42.2%	40.69
IDACORP	25.0%	23.1%	26.0%	23.8%	27.0%	32.6%	25.0%	25.09
Portland General	37.1%	35.7%	45.0%	42.9%	46.7%	47.0%	42.6%	41.5%
Weighted August	40.4%	38.7%	45.1%	43.0%	46.7%	51.4%	42.6%	41.5%

- the data demonstrates inconsistencies. For example, Meridian has the lowest debt of its direct peer group but has the highest beta;
- for internal consistency, debt levels should be the weighted average measured over the same period as the beta factor (e.g. four years) rather than just at the current point in time. However, gearing often changes over time.

Origin is a case in point. At circa 14%, it is currently well below historical levels of 30%. The latest figures are likely to be more representative of the gearing going forward;

• Origin has an internal target gearing of 20-30% but this is based on book values not market values;



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GRANT SAMUEL 5.4 WACC Calculations and Selection **Energy Markets** Using the parameters set out above, the WACC for Energy Markets can be calculated to be: ENERGY MARKETS - CALCULATED WACC LOW HIGH Cost of Equity = 4.1% + (0.85 x 6.0%) = 4.1% + (0.95 x 6.0%) $(Re=Rf+\beta(Rm-Rf)$ = 9.2% = 9.8% WACC = (9.2% x 80%) + (6.6% x (1-0.3) x 20%) = (9.8% x 85%) + (6.6% x (1-0.3) x 15%) (WACC = (Re x E/V) + (Rd x (1-t) x D/V) = 7.4% + 0.9% = 8.3% + 0.7% = 8.3% = 9.0% Based on these outputs. Grant Samuel has selected a discount rate range of 8.5-9.0% for Energy Markets. Analysis of research reports indicates that brokers (that do publish their estimates) generally adopt a single WACC for all of Origin that ranges from 8-11%. Brokers that separately publish estimate for Energy Markets typically adopt a WACC within that range. **Octopus Energy** Octopus Energy is in a similar business to Energy Markets but there are several differences to consider: cash flows are denominated in British pounds. The 10 year United Kingdom government bond rate is approximately 30 basis points (0.3%) higher than 10 year Australian government bonds; Origin has the benefit of: significant in-house generation capacity to mitigate its exposure to electricity price risk (albeit with coal price risk and, in any event, declining materially once Eraring closes); and some long term fixed price gas supply contracts on advantageous terms that will lock in a significant profit for several years. Octopus Energy is arguably more exposed to energy market price risks but: the United Kingdom electricity market has a quarterly price reset mechanism (compared to Australia's annual reset) lowering the extent of price lags; it has a substantial component of its income (>20% of FY23 EBITDA) in the form of licensing fees from its Kraken platform which are (apart from migration fees) paid on a per account per annum basis, completely independent of energy market prices or conditions. This income stream has a very different risk (and growth) profile to a retail energy business. At the same time, Octopus Energy is aggressively pursuing growth in new markets outside the United Kingdom where it is starting with very low existing customer bases competing against large incumbents; and it has no debt and a non trivial cash balance (although this cash is required to be retained in the business for prudential purposes). It is difficult to predict how Octopus Energy's financial leverage will evolve over the medium to longer term as the business matures but it would seem likely to hold cash for potential growth investments for at least the new few years. On balance, Grant Samuel considers the best assumption to be zero debt (i.e. WACC equals the cost of equity) Taking these factors into account, a discount rate of 9.5-10.0% has been selected for Octopus Energy.



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Similar to Energy reliable beta for	Markets, the Origin's intere	table shows st in APLNG	outcomes :	that sugges	t it is extrer	nely difficu	lt to deter	mine a
 individual c Bloomberg (APA) altho 	ompany betas Four Year MSC ugh both Cote	(for the san I betas rang rra and APA	ne source/p ge from 0.19 should be	eriod) fall ii 9 (Coterra) 1 treated as o	n a very wic to 2.65 (Dev outliers;	le range. F von Energy)	or example and up to	e, 93.99
 across the d 	comparable co	mpanies, th	e betas var	y (sometime	es very mat	erially) dep	ending on	:
• the da betwe	ta measureme en 0.5 (Barra)	ent source (S and 1.3 (SIR	SIRCA, LBS, I CA) with Bl	Bloomberg oomberg va	or Barra). Fo	or example, s an even w	, Santos va vider range	ries e; and
• which Santo	market index i	s utilised (L ed against t	ocal or MSC he ASX and	- I). For exar 0.1 against	nple, the Bl the MSCI	oomberg tv	wo year be	ta for
 the two year reflects low following R the true ris 	ir betas are all er recent vola ussia's invasio ks of the indus	substantiall tility compa n of Ukraine try; and	y lower tha red to the r . However,	n the four y narket, desp the longer	ear betas (e pite a surge term meas	except Cote in spot oil ures may b	erra). This and LNG p e more ref	arguably rices flective of
 gearing level upstream or generally h companies 	els vary signific il and gas com gher gearing le also have relat	antly but th panies gene evels for tho ive high gea	is is not alw rally have h ose compan aring and sii	vays consist iigher betas ies. Howeve milar oil refi	ent with be , reflecting, er, the Euro nery expos	ta factors. among oth pean upstruure, but the	The North her things, eam oil an eir betas ai	American the d gas re lower.
In general, the ir and associated p	dustry has rela roducts which	atively high , in turn, are	betas reflec strongly lii	ting the dir nked to eco	ect exposur nomic activ	e to the maity.	arket price	s of oil
APLNG can be co	nsidered a low	ver risk prop	osition tha	n most of th	ne listed cor	nparables.	lt:	
is not engage	ged in any subs	stantial leve	l of explora	tion outside	e its existing	geographi	es;	
has a stable	level of annua	al productio	n which is f	orecast to h	e maintain	ed over the	medium t	erm.
has a stable	rves that are e		r 15 vears o	f annual pro	duction: ar	nd)
			i 15 years o					tol: 75
 nas a signifi 80% of ups 	ream gas.	nt of downs	stream proc	essing (Live	i trains), rep	bresenting	арргохітіа	tely 75-
On this basis, Gr	ant Samuel has	selected a	beta of 1.2-	1.3 for APL	NG.			
6.2 Debt/Ed	uity Mix							
Gearing levels fo	r these compa	nies over th	e past five	ears are se	t out below	<i>r</i> :		
0	CEADIN	G LEVELS FO	R SELECTED	ISTED OIL A	ND GAS CON	IPANIES		
	GEARIN			ET DEBT + MA	RKET CAPITAL	ISATION)		
	GEARIN		NET DEBT/(N				1	
	HISTORICAL 5	FINAI HISTORICAL 4	NET DEBT/(N NCIAL YEAR EN HISTORICAL 3	IDED HISTORICAL 2	HISTORICAL 1	CURRENT ¹⁷	4 YEAR AVERAGE	5 YEAR AVERAGE
Origin	HISTORICAL 5 31.2%	FINAI HISTORICAL 4 34.4%	NET DEBT/(N NCIAL YEAR EN HISTORICAL 3 36.2%	IDED HISTORICAL 2 18.6%	HISTORICAL 1 14.2%	CURRENT ¹⁷	4 YEAR AVERAGE 25.9%	5 YEAR AVERAGE 26.9%
Origin	HISTORICAL 5 31.2%	FINAI HISTORICAL 4 34.4%	NET DEBT/(N NCIAL YEAR EN HISTORICAL 3 36.2%	IDED HISTORICAL 2 18.6%	HISTORICAL 1 14.2%	CURRENT ¹⁷	4 YEAR AVERAGE 25.9%	5 YEAR AVERAGE 26.9%
Origin AUSTRALIA Woodside	HISTORICAL 5 31.2% 7.4%	FINAI HISTORICAL 4 34.4% 7.9%	NET DEBT/(N NCIAL YEAR EN HISTORICAL 3 36.2% 14.5%	IDED HISTORICAL 2 18.6% 14.0%	HISTORICAL 1 14.2% (0.2%)	CURRENT ¹⁷ 18.5% 3.9%	4 YEAR AVERAGE 25.9% 9.0%	5 YEAR AVERAGE 26.9% 8.7%
Origin AUSTRALIA Woodside Santos	HISTORICAL 5 31.2% 7.4% 24.0%	FINAI HISTORICAL 4 34.4% 7.9% 16.4%	NET DEBT/(N NCIAL YEAR EN HISTORICAL 3 36.2% 14.5% 22.0%	HISTORICAL 2 18.6% 14.0% 19.2%	HISTORICAL 1 14.2% (0.2%) 11.8%	CURRENT ¹⁷ 18.5% 3.9% 13.6%	4 YEAR AVERAGE 25.9% 9.0% 17.4%	5 YEAR AVERAGE 26.9% 8.7% 18.7%
Origin AUSTRALIA Woodside Santos Beach Energy	HISTORICAL 5 31.2% 7.4% 24.0% (4.0%)	FINAI HISTORICAL 4 34.4% 7.9% 16.4% 0.3%	NET DEBT/(N NCIAL YEAR EN HISTORICAL 3 36.2% 14.5% 22.0% 5.1%	HISTORICAL 2 18.6% 14.0% 19.2% (3.5%)	HISTORICAL 1 14.2% (0.2%) 11.8% 5.8%	CURRENT ¹⁷ 18.5% 3.9% 13.6% 5.1%	4 YEAR AVERAGE 25.9% 9.0% 17.4% 1.9%	5 YEAR AVERAGE 26.9% 8.7% 18.7% 0.7%
Origin AUSTRALIA Woodside Santos Beach Energy Cooper Energy	HISTORICAL 5 31.2% 7.4% 24.0% (4.0%) 5.3%	FINAI HISTORICAL 4 34.4% 7.9% 16.4% 0.3% 15.4%	NET DEBT/(N NCIAL YEAR EN HISTORICAL 3 36.2% 14.5% 22.0% 5.1% 24.6%	IDED HISTORICAL 2 18.6% 14.0% 19.2% (3.5%) (19.3%)	HISTORICAL 1 14.2% (0.2%) 11.8% 5.8% 16.4%	CURRENT ¹⁷ 18.5% 3.9% 13.6% 5.1% 19.7%	4 YEAR AVERAGE 25.9% 9.0% 17.4% 1.9% 9.3%	5 YEAR AVERAGE 26.9% 8.7% 18.7% 0.7% 8.5%

LEVEL	LS FOR SELE(FINA HISTORICAL 4 25.9% 35.9% 30.9% 28.7% 7.5% 56.7% 8.6%	CTED LISTED NET DEBT/(N NCIAL YEAR EI HISTORICAL 3 35.5% 43.9% 39.7% 39.7% 37.8% 10.5% 74.4%	OIL AND GAS ET DEBT + MA NDED HISTORICAL 2 30.1% 26.9% 28.5% 29.2%	5 COMPANIE: RKET CAPITAL HISTORICAL 1 23.1% 15.0% 19.1% 20.9%	S (CONTINU ISATION) CURRENT ¹⁷ 22.7% 14.7% 18.7% 20.5%	ED) 4 YEAR AVERAGE 28.6% 30.4% 29.5% 29.1%	5 YEA AVERA 225. 300. 27.
LEVEL	LS FOR SELEC FINA HISTORICAL 4 225.9% 35.9% 30.9% 28.7% 7.5% 56.7% 8.6%	CTED LISTED NET DEBT/(N NCIAL YEAR EI HISTORICAL 3 35.5% 43.9% 39.7% 37.8% 10.5% 74.4%	OIL AND GAS ET DEBT + MA NDED HISTORICAL 2 30.1% 26.9% 28.5% 29.2% 1.3%	5 COMPANIE: RKET CAPITAL HISTORICAL 1 23.1% 15.0% 19.1% 20.9%	S (CONTINU ISATION) CURRENT ¹⁷ 22.7% 14.7% 18.7% 20.5%	ED) 4 YEAR AVERAGE 28.6% 30.4% 29.5% 29.1%	5 YEAH AVERAC 25.8 30.0 27.9
LEVEL 	LS FOR SELEC FINA HISTORICAL 4 25.9% 35.9% 30.9% 28.7% 7.5% 56.7% 8.6%	CTED LISTED NET DEBT/(N NCIAL YEAR EI HISTORICAL 3 35.5% 43.9% 39.7% 37.8% 10.5% 74.4%	OIL AND GAS ET DEBT + MA NDED HISTORICAL 2 30.1% 26.9% 28.5% 29.2% 1.3%	COMPANIE: RKET CAPITAL HISTORICAL 1 23.1% 15.0% 19.1% 20.9%	S (CONTINU ISATION) CURRENT ¹⁷ 22.7% 14.7% 18.7% 20.5%	ED) 4 YEAR AVERAGE 28.6% 30.4% 29.5% 29.1%	5 YEAF AVERAC 25.8 30.0 27.9
AL 5 4.6% 3.1% L.4% 3.4% 3.6% 3.6% 3.6% 5.1%	FINA HISTORICAL 4 25.9% 35.9% 30.9% 28.7% 7.5% 56.7% 8.6%	NET DEBT/(N NCIAL YEAR EI HISTORICAL 3 35.5% 43.9% 39.7% 37.8% 10.5% 74.4%	ET DEBT + MA NDED HISTORICAL 2 30.1% 26.9% 28.5% 29.2%	RKET CAPITAL HISTORICAL 1 23.1% 15.0% 19.1% 20.9%	ISATION) CURRENT ¹⁷ 22.7% 14.7% 18.7% 20.5%	4 YEAR AVERAGE 28.6% 30.4% 29.5% 29.1%	5 YEAR AVERAG 25.8 30.0 27.9
CAL 5 4.6% 3.1% 1.4% 3.4% 3.6% 3.6% 5.1%	FINA HISTORICAL 4 25.9% 35.9% 30.9% 28.7% 7.5% 56.7% 8.6%	NCIAL YEAR EI HISTORICAL 3 35.5% 43.9% 39.7% 37.8% 10.5% 74.4%	NDED HISTORICAL 2 30.1% 26.9% 28.5% 29.2% 1.3%	HISTORICAL 1 23.1% 15.0% 19.1% 20.9%	CURRENT ¹⁷ 22.7% 14.7% 18.7% 20.5%	4 YEAR AVERAGE 28.6% 30.4% 29.5% 29.1%	5 YEAR AVERAG 25.8 30.0 27.9
CAL 5 4.6% 3.1% 4.4% 3.4% 3.4% 3.2% 3.6% 5.1% 5.2%	HISTORICAL 4 25.9% 35.9% 30.9% 28.7% 7.5% 56.7% 8.6%	HISTORICAL 3 35.5% 43.9% 39.7% 37.8% 10.5% 74.4%	HISTORICAL 2 30.1% 26.9% 28.5% 29.2% 1.3%	HISTORICAL 1 23.1% 15.0% 19.1% 20.9%	CURRENT ¹⁷ 22.7% 14.7% 18.7% 20.5%	4 YEAR AVERAGE 28.6% 30.4% 29.5% 29.1%	25.8 30.0 27.9
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1.8%	26.0%	42.8%	23.6%	20.7%	19.8%	28.3%	27.09
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Determining an appropriate debt/equity mix for APLNG is problematic:

APLNG itself has a changing profile. At the outset in 2012, it arranged US\$8.5 billion of project financing (on the back of several long term offtake agreements) out of a total cost of US\$20 billion. Over the following years, net debt has been materially reduced and now stands at US\$3.6 billion (or \$5.6 billion) as at 30 June 2023. This level of debt implies gearing of circa 15%. Debt will be fully amortised by FY31. It is unclear if APLNG will then operate on a debt free basis (distributing all free cash flow to shareholders) or if it will be releveraged at some stage. However, whether it happens or not, APLNG certainly has the capacity to carry a meaningful degree of leverage in view of:

- track record of consistent production;
- its extent of reserves and resources relative to annual production;

G	GRANT SAMUEL	
EBITDA margins of over	70%; and	
 low capital expenditure lower more recently); 	requirements (<20% of EBITDA on ave	rage over the past five years and
 there is a wide range of gearinkey Australian comparables sing (owner of GLNG, Darwin LNG gearing (generally <15% dependent) 	ng levels across the industry from zero uch as Woodside (the largest LNG pro and LNG interests in Papua New Guir ending on time frame);	o to over 30%. In broad terms, the ducer in Australia) and Santos Iea) have relatively modest levels o
 debt funding for fossil fuel en policies of major lending insti 	tities is likely to become more challer tutions); and	nging over time (e.g. given the
 there is an inconsistent relation geared Australian businesses 	onship between gearing and beta alth also enjoy lower betas relative to the	ough the data suggests the lower ir US peers.
Having regard to the above, Grant	Samuel has selected a debt/equity ra	tio of 10-15%.
6.3 Cost of Debt		
Grant Samuel has assumed a cost o	of debt for APLNG of 6.6% (risk free ra	te plus 2.5%) reflecting:
 margins payable by APLNG or 	n the US\$4.5 billion of debt refinanced	in FY19;
 allowances for: 		
 the difference between tenor (where relevant); 	the benchmark borrowing rate and go	overnment bonds of equivalent
debt issuance costs (ann	ualised); and	
• the cost of liquidity (see	Section 5.3).	
6.4 WACC Calculations and	d Selection	
Using the parameters set out abov	e, the WACC for APLNG can be calcula APLNG – CALCULATED WACC	ated to be:
	LOW	HIGH
Cost of Equity ($Re = Rf + \theta(Rm - Rf)$)	= 4.1% + (1.2 x 6.0%) = 11. 3%	= 4.1% + (1.3 x 6.0%) = 11. 9%
WACC (WACC = (Re x E/V) + (Rd x (1-t) x D/V)	= (11.3% x 85%) + (6.6% x (1-0.3) x 15%) = 9.61% + 0.69% = 10.3%	= (11.9% x 90%) + (6.6% x (1-0.3) x 10%) = 10.71% + 0.46% = 11.2%
Based on these outputs, Grant San	nuel has selected a discount rate of 10	0-11% for APLNG.
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October 2023		





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GaffneyCline's review and audit involved reviewing pertinent facts, interpretations and assumptions made by Origin and APLNG or others (e.g. Independent third party Reserves and Resource reports) in preparing and utilising estimates of reserves and resources. GaffneyCline performed procedures necessary to enable it to render an opinion on the appropriateness of the methodologies employed, adequacy and quality of the data relied on, depth and thoroughness of the reserves and resources estimation process, classification and categorisation of reserves and resources appropriate to the relevant definitions used, and reasonableness of the estimates.

Definition of Reserves and Resources

Reserves are those quantities of petroleum anticipated to be commercially recoverable by application of development projects to known accumulations from a given date forward under defined conditions. Reserves must satisfy four criteria: discovered, recoverable, commercial and remaining (as of the evaluation's effective date) based on the development project(s) applied.

Reserves are further categorised in accordance with the level of certainty associated with the estimates and may be sub-classified based on project maturity and/or characterised by development and production status. All categories of reserves volumes quoted herein have been reviewed within the context of an economic limit test (ELT) assessment (pre-tax and exclusive of accumulated depreciation amounts) prior to any Net Present Value (NPV) analysis.

Contingent Resources are those quantities of petroleum estimated, as of a given date, to be potentially recoverable from known accumulations by application of development projects, but which are not currently considered to be commercially recoverable owing to one or more contingencies. Contingent Resources may include, for example, projects for which there are currently no viable markets, where commercial recovery is dependent on technology under development, where evaluation of the accumulation is insufficient to clearly assess commerciality, where the development plan is not yet approved, or where regulatory or social issues may exist. Contingent Resources are further categorised in accordance with the level of certainty associated with the estimates and may be sub-classified based on project maturity and/or characterised by the economic status.

It must be appreciated that the Contingent Resources reported herein are unrisked in terms of economic uncertainty and commerciality. There is no certainty that it will be commercially viable to produce any portion of the Contingent Resources. Once discovered, the chance that the accumulation will be commercially developed is referred to as the "chance of development" (per PRMS).

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FY2023 annual 100% APLNG production was **674 PJ** with production performance just below the FY2023 guidance in the previous annual report of **680 to 710 PJ**. This was a 3% decrease compared to FY2022 reflecting the cumulative impact of three consecutive years of La Nina weather into the first half of FY2023. During the financial year, APLNG delivered 128 cargoes, four less than FY2022 with a reduction in spot cargoes from 15 in FY2022 to seven in FY2023. This is attributed to the impact of lower production and the prioritisation of domestic market sales. In FY2023, the average realised LNG price increased to US\$14.2/MMBtu, up 14% compared to FY2022 with cash distribution paid by APLNG also increasing by 12%. Unit CAPEX and OPEX increased by A\$0.7/GJ reflecting both higher expenditure and lower production but was within the FY2023 guidance.

Table 4.1: Origin FY2022 APLNG Results with FY2023 Guidance Versus Actual Performance and FY2024 Guidance

Integrated Gas - APLNG 100%	FY2022 Results	FY2023 Guidance ² (Actual)	FY2024 Guidance				
Production	693 PJ	680-710 PJ (Actual 674 PJ)	680-710 PJ				
Unit CAPEX + OPEX, excluding purchases ¹	A\$3.2/GJ	3.5 - 4.1 (Actual A\$3.9/GJ)	A\$3.9-4.4/GJ				
¹ OPEX excludes purchases and reflects royalties at the breakeven oil price.							

² Initial guidance, Production guidance revised on 16 February 2023 to 660 – 680 PJ

4.3 APLNG Governance Structure

The relationship of the APLNG shareholders is governed by the Shareholder Agreement.

Overall direction and control of APLNG is the responsibility of the APLNG Board which oversees operations along the full value chain from upstream operations through to sales.

APLNG corporate office is staffed by secondees from the shareholders and is responsible for supporting the APLNG Board and administering the various service agreements described below:

- 1. <u>Upstream Operator:</u> Origin Responsible for the development and operation of APLNG gas fields, main gas transmission pipeline and exploration and appraisal activities. This is governed by the Upstream Operator Agreement.
- <u>Downstream Operator:</u> ConocoPhillips Responsible for the liquefaction of the CSG to LNG and is governed by the Downstream Operator Agreement.
- <u>LNG Marketing</u>: ConocoPhillips Provision of services for the marketing and sale of LNG (contracted and spot cargoes) and is governed by the LNG Marketing Services Agreement.
- CSG Marketing: Origin Responsible for the marketing and sale of gas into the domestic market and is governed by CSG Marketing Agreement.
- <u>Corporate Service Provider</u>: Origin Functions include accounting, tax, human resources, insurance, information technology, government affairs and treasury and is Governed by Corporate Services Agreement.

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Tenure	APLNG Interest	Operated/Non-Operated
PFL 19	8.59375%	Non-Operated
PL 1025	8.59375%	Non-Operated
PLs 257, 273, 274, 275, 278, 279, 442, 466, 474 and 503 (Shallows)	8.59375%	Non-Operated
PLs 179, 180, 228, 229 and 263	11.171875%	Non-Operated
PPLs 107, 176, 2014 and 2063	11.171875%	Non-Operated
Membrance and Lonesome		
ATP 804	8.057017%	Non-Operated
PLs 219 and 220	27.50%	Operated
Spring Gully		
ATP 592; PLs 195, 268, 414, 415, 416, 417, 418 and 419	25.9875%	Operated
PL 200	26.32038%	Operated
PL 204	27.42438%	
PPL 143, 180 and 2026	27.50%	Operated
PPL(A) 2077 (Spring Gully-Combabula)	27.50%	Operated
Talinga/Orana/Murrungama		
PLs 215, 216, 225, 226, 272, and 1084	27.50%	Operated
PFL 26	27.50%	Operated
PPLs 171, 181 and 2032	27.50%	Operated

Origin holds interests via the APLNG Joint Venture in permits in the Bowen and Surat Basins. Ownership and specific tenement details are summarised in **Table 4.3** above.

GaffneyCline has independently verified and mapped the tenement details via the Queensland government <u>https://georesglobe.information.qld.gov.au/#</u> tenure site (**Figure 4.4**).

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5.2.1.1 Bowen Basin Geology

The Bowen Basin has maximum sediment thickness of approximately 10,000 m concentrated in two north trending depocenters, the Taroom Trough to the east and the Denison Trough to the west.

Deposition in the Bowen Basin commenced during an Early Permian extensional rifting phase with fluvial and lacustrine sediments and volcanics deposited in the east while a thick succession of coals and non-marine clastics were deposited in the west. Following the rifting, a period of thermal subsidence extended from the Early to Late Permian which was accompanied with a basin wide marine transgression associated with deltaic and shallow marine clastic sedimentation together with the deposition of extensive coal measures. For much of the Permian, the basin remained an area of shallow-water or terrestrial deposition. Coals accumulated throughout the Permian, initially prominent on the margins and in isolated sites and in the later Permian extending to cover most of the basin. Shelves and platforms were the most favourable areas for deposition and preservation of coals because stable conditions were sustained over longer periods of time. Foreland loading of the basin spread from east to west during the Late Permian increasing rates of subsidence and resulting in the deposition of thick Late Permian marine and fluvial clastics with associated coals deposits and Early to Middle Triassic fluvial and lacustrine clastics. Sedimentation in the basin was terminated by a Middle to late Triassic contractional event.

Due to the depositional and tectonic history of the basin, the coal seams of the Bowen Basin vary in quality. In general, it is accepted that four main groups of coal measures exist that may contain deposits of economic importance for both the CSG industry and the conventional coal industry.

The Reid's Dome Beds coal measures are classified as Group I and these are of Early Permian age. They have variable thickness and lithology and are restricted to the southwestern part of the basin. Seams can be up to 30 m thick at a depth of about 1,000 m.

The Collinsville Coal Measures in the north and Rugby Coal Measures southwest of Moranbah form the Group II coals which are also of Early Permian age. The coals are formed of several unconnected bodies located around the northern and western margins of the basin.

Group III coals of Late Permian age were deposited on the Collinsville Shelf, under conditions which varied from a marine-influenced deltaic environment in the German Creek Formation, to dominantly fluvial flood plain environments in the Moranbah Coal Measures. These formations contain most of the high-grade coking coal deposits mined in Queensland. A marine transgression, which halted deposition of Group III coals in the south, did not extend into the northern part of the basin where coal measures continued to be deposited. Volcanism at this time resulted in major outpourings of tuffaceous material, which contaminated seams in the Fair Hill Formation and Fort Cooper Coal Measures.

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Coal Seams and Thicknesses:

The main coal seams producing gas from the Bowen Basin are the Late Permian Bandanna Formation coals. These coals are thick and continuous and can be traced for tens or even hundreds of km. They are generally bituminous. In the Fairview / Spring Gully area, seams are typically around 8 m thick, although in some areas individual seams can be over 10 m. It is also possible for seams to come together to form a "superseam" over 15 m in thickness.

In Comet Ridge and Denison, seams are thinner, with a typical range of between 4-8 m. The Peat Field contains very thick coals of around 17 m, which was a major factor leading to the early development of this area.

Density:

The density of coals in the Fairview / Spring Gully area is around 1.35 g/cc indicating good quality bituminous coals. Coal densities in other areas such as Comet Ridge and Membrance are also similar with values of 1.34 g/cc being used as an average by APLNG. GaffneyCline has verified the APLNG average values by random well spot checks in the online data room.

Ash and Moisture Content:

Ash and moisture contents in the Fairview / Spring Gully area are generally quite low, with ash around 11% and moisture around 3%. Away from this area, ash contents may be higher with values of 17% quoted in the northern Comet Ridge area. GaffneyCline has verified values used by APLNG by random well spot checks of raw data in the online data room.

Gas Content:

Gas contents in the Fairview / Spring Gully areas are very high, typically around 12 m³/t. These are amongst the highest found in Queensland. Away from this sweet spot, gas contents are much lower and more variable. In the Comet Ridge and Denison areas, gas contents range from 4-10 m³/t. In the Peat Field, the gas contents are around 9 m³/t.

Fracturing/Geomechanical Characteristics:

Permeabilities in the Fairview / Spring Gully area are generally very good with a quoted average value of around 100 mD. In Fairview, areas of enhanced productivity are associated both with structural highs and fault zones, so there is likely a structural / geomechanical component to the fracturing, but it has not been formally studied.

In other areas such as Comet Ridge permeabilities are generally lower, ranging from less than 1 to 50 mD. In the Peat Field, permeability averages 10 mD.

As with most CSG Fields, permeabilities vary with depth. As depth increases, permeability decreases. Therefore, depth is usually a limiting factor for economic CSG production. The actual depths will vary based on the local coal characteristics. On the eastern flank of Fairview, a depth limit of 1,000-1,100 m has previously been assumed, but recent well results have shown that good gas rates may be achieved at depths up to 1,300 m.

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Aquifer Characteristics:	
In the Fairview area, the Bandanna coals are truncated by the Precipice Sandstone. forms the western boundary of the productive coals. The Precipice Sandstone has which has the potential to significantly influence gas production in the area. Con influx from the aquifer can impact gas production negatively, as it may limit the abili wells and use up significant water handling capacity available. Some of the best pro are located in the west, close to the subcrop.	This subcrop as an aquifer tinued water ty to dewater oducing wells
5.2.2 Surat Basin Overview	
APLNG permits in the Surat Basin are located in three main areas (Figure 5.5):	
Undulla Nose	
Northern Walloons	
Eastern Walloons	
Ownership and specific tenement details are summarised and available in GaffneyCline has independently verified the tenement details via the Queensland https://georesglobe.information.qld.gov.au/# tenure site.	Table 4.3.government
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In the areas covered by APLNG's permits, the Bandanna coals outcrop in a crescent that strikes west-east in the Western Walloons, north-west south-east around the Undulla Nose and then north-south in the Eastern Walloons. The productive fairway of Walloon coals follows this trend dipping to southwest up to depths of about 1,000 m.

Coal Seams and Thicknesses:

Individual coal seams in the Surat Basin are more numerous, thinner and less laterally extensive than in the Bowen Basin. The coals themselves are typically sub-bituminous and of lower rank than the Bowen Basin coals. Seams are commonly grouped into packages containing several stringers. These seam packages can be traced regionally over large distances. Individual seams may be recognised locally, but a more common subdivision is based on packages including the Upper Juandah, Lower Juandah and Taroom and this subdivision is used by APLNG.

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5.3.5 Permeability

Permeability data was available for 546 wells. A review of the permeability recordings per well identified some anomalously high permeabilities (greater than 5 Darceys) which were excluded from the analysis. Permeability readings for each well were imported into the regional Petrel model as point data which was then gridded to form regional permeability maps for each of the main coal measures.

A comparison of the GaffneyCline permeability maps was made to those provided by Origin and a good correlation between the two was found. Using the maps, average permeabilities were calculated at a permit level. These were then further broken down based on development areas within a permit to allow a comparison between average permeabilities for the developed, undeveloped and contingent areas within each permit. In general, a reasonable correlation was found between permeability and level of development within a permit whereby developed areas tended to have higher permeabilities with average permeability reducing in the areas defined as undeveloped and contingent.

This information was used to determine the reasonableness of type production curves used in the production profiles for each planned development.

5.3.6 Technical Chance of Success

In order to determine the Technical Chance of Success (COS), Origin adopted a rules-based approach for the CSG prospects or fields. Technical success is defined as the ability to flow gas to surface at measurable rates through the application of the proposed development technology. The Economic Chance of Success (ECOS) or the chance of a commercial development is considered separately. **Table 5.1** outlines Origin's approach to define the COS for CSG projects.

Level of Maturity	Description
New play exploration	Coal presence not yet confirmed
Exploration	Coal presence known (from legacy oil and gas exploration) but coal parameters unknown
Early Appraisal	Coal presence confirmed, coal parameters potentially attractive, extent unknown and no pilot or analogue production
Mature Appraisal	Coal parameters conformed, no pilot but parameters consistent with commercial analogue
Discovery	Proven gas flow to surface at sustained, measurable rates through pilot or other testing of relevant technology

Table 5.1: Origin's Technical Chance of Success Matrix for CSG Projects

For more conventional targets such as tight gas sandstone projects, Origin has used a more traditional risking methodology. In this approach, components such as reservoir presence/quality, structure/trap presence, seal and charge are individually risked then multiplied together to determine the overall COS.

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6.4	Audit of Production Forecasting and Ultimate Recovery
Gaffne	eyCline conducted a review of the production forecast and development assumptions ed in the UDP23 which contain production forecasts for the following field areas:
Origin	-operated areas:
•	Talinga
•	Spring Gully
•	Spring Gully
•	Peat
•	Combabula
•	Condabri North
•	Dalwogan
•	Kainama
•	Ramyard
•	Ironbark
•	Operated ENV
Non-o	perated areas:
•	Fairview
•	Bellevue
•	Kenya
•	Kenya East
•	Angry Jungle
•	Arcadia Ridge
•	QGC Operated ENV
•	GLNG Operated ENV
Gaffne the tot	eyCline's review focused on Origin's operated assets, which added up to 12,968 PJ out of al of 14,926 PJ included in Origin's valuation model (or 87%).
Inform For th includ	nation provided for non-operated areas was limited to third party resources summary letters. lese, GaffneyCline ran an overall reconciliation between these letters and the volumes ed in the UDP23.
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To maintain and improve the reliability and efficiency of APLNG upstream operations, the Operator's management system focuses on standardisation, repeatability, and reduced cycle time, while concurrently identifying and implementing system improvements to improve reliability, adapt to changing process conditions, and optimising production performance.

As discussed previously in Section 6.3, the Operator's planning system commences with individual well forecasts, which are grouped into activity clusters ("projects") which form the building blocks of the annual program build, or UDP. Each annual planning cycle is supported by an Integrated Gas Assumption Book (Assumption Book) in which facilities constraints, uptime assumptions, drilling/completion/workover cycle times, fuel gas and power consumption, unit development costs, unit operating costs, and other key planning parameters are documented.

The UDP is built from the available projects and optimised against a range of program requirements e.g. overall production, cost, resource maturation, and organisational capacity. The resulting program is documented (e.g. UDP23, which formed the basis for this report) and is the basis on which the Operator seeks partner approvals. Individual projects are costed, phased, and aggregated into a "Detailed Option Build-up (DOB)" spreadsheet that provides the tenement-level inputs to the overall APLNG economic model. The DOB's supporting UDP22 and UDP23 were made available for review.

8.2 APLNG Downstream Facilities

The downstream facilities include the ConocoPhillips operated APLNG LNG plant, described in Section 4.10. The LNG plant is located on Curtis Island, Queensland, immediately to the north of the Queensland Curtis LNG plant (QCLNG) and is connected to the upstream development area by a ~450 km pipeline. **Figure 8.2** below shows an aerial view of the APLNG LNG plant.

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12 APLNG Exploration Asset Valuation

APLNG has a large inventory of both appraisal and ENV targets. Origin provided a portfolio of these assets to GaffneyCline and also provided GaffneyCline with its classification of maturity (appraisal or ENV) for each project in the portfolio. GaffneyCline reviewed each of these projects together with Origin's classification and in general found the classification to be reasonable. Projects classified as appraisal tended to be projects which were near-field step outs with wells that had proven gas flow to the surface through pilot wells. Projects classified as exploration were in areas where coal presence may have been confirmed but extent and reservoir parameters were unknown or where there was no pilot well or analogue production. GaffneyCline therefore accepted Origin's classification of appraisal and ENV projects.

The valuation profiles provided by Origin to GaffneyCline included risked volumes for projects Origin classifies as appraisal or ENV. Volumes determined as appraisal were kept in GaffneyCline's cash-flow model however as per the VALMIN Code requirements, 1,000 PJ of mean risked volumes deemed to be exploration were removed and are valued separately here. A total of 19 exploration projects with positive expected monetary value (EMV)¹ were selected in UDP23.

Origin provided a summary of results from its Probabilistic Resource Assessment process for each of the operated ENV projects, including unrisked and risked volumes, technical risk, commercial risk, probabilistic recoverable per well, exploration and appraisal costs, APLNG's EMV at a 10% discount rate and other information. GaffneyCline conducted a high-level review of the risking and EUR for each of these projects and found them to be reasonable. Further details of these checks are provided in Section 5.3.6 of this report.

Total EMV at 10% for the APLNG exploration portfolio in UDP23 is A\$660 MM. The EMV value is usually used as a relative measure for ranking exploration prospects within a portfolio to make drilling decisions, assess commercial potential and demonstrate the commercial attractiveness of a permit. This information may influence buyers or sellers' decision.

The total cost of the selected exploration work program is A\$244 MM. This could provide an indication of valuation based on a reasonable Farmout agreement basis². A Farmout agreement is an agreement entered into by the owner of one or more leases (called the "farmor"), and another company who wishes to obtain a percentage of ownership of that lease or leases in exchange for providing services (called the "farmee"). Typically, the farmee agrees to carry the farmor's share of work programs up to a predefined activity or cost. The farmee may pay a premium over activity costs based on the attractiveness of the exploration portfolio. A typical transaction for an attractive exploration portfolio would be 50% to 33.33% equity acquired by farmee, in exchange for carrying farmor's share of work programs. On this basis valuation of the APLNG exploration portfolio would be between A\$244 to A\$487 MM.

¹ EMV is calculated as the success case NPV times the probability of success less the NPV of failure multiplied by the probability of failure.
² https://en.wikipedia.org/wiki/Farmout_agreement

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To assess the valuation based on market approach, GaffneyCline considered the recent transactions for Australian CSG assets as tabulated in **Table 12.1** below. The average transacted price for 2P Reserves is A\$0.94/GJ for assets consisting of developed and undeveloped resources. An exploration program for five to eight years is required for the exploration portfolio to mature to this stage. Usually, exploration is a higher-risk activity, and investors demand higher returns than developing proven resources. A discount rate of 12% for five years and a discount rate of 15% for eight years is applied to the average transacted price to establish a range for exploration valuation. This discounted market multiple range is A\$0.31/GJ to A\$0.53/GJ. Based on this discounted market multiple, the valuation range for APLNG's 1000 PJ exploration risked mean volume is A\$306 to A\$531 MM.

Based on the investigation of three different valuation methods above, GaffneyCline recommends a valuation range of **A\$306 MM** to **A\$531 MM** to Grant Samuel's for the APLNG exploration portfolio. A lower valuation range could be possible based on the Farmout agreement basis but not likely as these exploration assets have more mature work programs with favourable economics that should demand attractive terms. Total EMV is higher than the suggested range, but investors would likely demand a higher than 10% discount factor for the exploration risk thus market value should be lower than total EMV of A\$660 MM.

Buyer	Seller	Date	A\$ MM	A\$/ 2P GJ	A\$/ 3P GJ	2P	3P	Project / Acreage
Senex ¹	APLNG	8-Nov-21	80	\$1.06	\$0.61	75	130	PL209 & PL 445 Woleebee
POSCO ²	Senex	7-Feb-22	878	\$1.15	\$0.86	767	1,016	Senex Energy
Comet Ridge ³	APLNG	3-Aug-21	20	\$0.25	\$0.15	80	137	Mahalo 30%
APLNG ^₄	Armour	18-Jun-20	4	\$0.43	\$0.43	9	9	PL 1084 Murrungama 10%
APLNG ⁵	Origin	19-Feb-19	231	\$1.79	\$1.20	129	192	Ironbark
			Average	0.94	0.65			

Table 12.1: Recent CSG Transaction in Australia

Notes:

1. A\$50 MM initially and further A\$30 MM upon commonwealth environment approvals³.

 Based on the Senex Scheme Booklet and takeover consideration calculation (uses Senex 2P and 3P reserves as of 30 June 2021)⁴.

3. Staged payments of A\$12 MM at completion of the acquisition and A\$8 MM deferred post-completion payments⁵.

4. A\$500k upfront payment with remaining A\$3.5 MM based on completion of the acquisition⁶.

5. Origin will be responsible for developing Ironbark as the upstream operator for APLNG⁷.

³ https://www.senexenergy.com.au/wp-content/uploads/2021/11/2296225.pdf

⁴ https://www.senexenergy.com.au/wp-content/uploads/2022/02/Senex-Energy-Limited-Scheme-Booklet-incl-proxyform.pdf

⁵ https://stocknessmonster.com/announcements/coi.asx-2A1313407/

⁶ https://www.miningweekly.com/article/aplng-to-buy-armours-10-interest-in-murrunga-block-2020-06-18

⁷ https://stocknessmonster.com/announcements/org.asx-2A1133368/

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Class/Sub-Class	Definition	Guidelines
Approved for Development	All necessary approvals have been obtained, capital funds have been committed, and implementation of the development project is ready to begin or is under way.	At this point, it must be certain that the development project is going ahead. The project must not be subject to any contingencies, such as outstanding regulatory approvals or sales contracts. Forecast capital expenditures should be included in the reporting entity's current or following year's approved budget. The project decision gate is the decision to start investing capital in the construction of production facilities and/or drilling development wells.
Justified for Development	Implementation of the development project is justified on the basis of reasonable forecast commercial conditions at the time of reporting, and there are reasonable expectations that all necessary approvals/contracts will be	To move to this level of project maturity, and hence have Reserves associated with it, the development project must be commercially viable at the time of reporting (see Section 2.1.2, Determination of Commerciality) and the specific circumstances of the project. All participating entities have agreed and there is evidence of a committed project (firm intention to proceed with development within a reasonable time-frame}) There must be no known contingencies that could preclude the development from proceeding (see Reserves class). The project decision gate is the decision by the reporting entity and
	obtained.	its partners, if any, that the project has reached a level of technical and commercial maturity sufficient to justify proceeding with development at that point in time.
Contingent Resources	Those quantities of petroleum estimated, as of a given date, to be potentially recoverable from known accumulations by application of development projects, but which are not	Contingent Resources may include, for example, projects for which there are currently no viable markets, where commercial recovery is dependent on technology under development, where evaluation of the accumulation is insufficient to clearly assess commerciality, where the development plan is not yet approved, or where regulatory or social acceptance issues may exist.
	currently considered to be commercially recoverable owing to one or more contingencies.	Contingent Resources are further categorized in accordance with the level of certainty associated with the estimates and may be sub- classified based on project maturity and/or characterized by the economic status.
Development Pending	A discovered accumulation where project activities are ongoing to justify commercial development in the foreseeable future.	The project is seen to have reasonable potential for eventual commercial development, to the extent that further data acquisition (e.g., drilling, seismic data) and/or evaluations are currently ongoing with a view to confirming that the project is commercially viable and providing the basis for selection of an appropriate development plan. The critical contingencies have been identified and are reasonably expected to be resolved within a reasonable time-frame. Note that disappointing appraisal/evaluation results could lead to a reclassification of the project to On Hold or Not Viable status.
		The project decision gate is the decision to undertake further data acquisition and/or studies designed to move the project to a level of technical and commercial maturity at which a decision can be made to proceed with development and production.

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Class/Sub-Class	Definition	Guidelines
Development on Hold	A discovered accumulation where project activities are on hold and/or where justification as a commercial development may be subject to significant delay.	The project is seen to have potential for commercial development. Development may be subject to a significant time delay. Note that a change in circumstances, such that there is no longer a probable chance that a critical contingency can be removed in the foreseeable future, could lead to a reclassification of the project to Not Viable status.
		The project decision gate is the decision to either proceed with additional evaluation designed to clarify the potential for eventual commercial development or to temporarily suspend or delay further activities pending resolution of external contingencies.
Development Unclarified	A discovered accumulation where project activities are under evaluation and where justification as a commercial	The project is seen to have potential for eventual commercial development, but further appraisal/evaluation activities are ongoing to clarify the potential for eventual commercial development.
	development is unknown based on available information.	This sub-class requires active appraisal or evaluation and should not be maintained without a plan for future evaluation. The sub- class should reflect the actions required to move a project toward commercial maturity and economic production.
Development Not Viable	A discovered accumulation for which there are no current plans to develop or to acquire additional data at the time because of limited commercial potential.	The project is not seen to have potential for eventual commercial development at the time of reporting, but the theoretically recoverable quantities are recorded so that the potential opportunity will be recognized in the event of a major change in technology or commercial conditions.
		data acquisition or studies on the project for the foreseeable future.
Prospective Resources	Those quantities of petroleum that are estimated, as of a given date, to be potentially recoverable from undiscovered accumulations.	Potential accumulations are evaluated according to the chance of geologic discovery and, assuming a discovery, the estimated quantities that would be recoverable under defined development projects. It is recognized that the development programs will be of significantly less detail and depend more heavily on analog developments in the earlier phases of exploration.
Prospect	A project associated with a potential accumulation that is sufficiently well defined to represent a viable drilling target.	Project activities are focused on assessing the chance of geologic discovery and, assuming discovery, the range of potential recoverable quantities under a commercial development program.
Lead	A project associated with a potential accumulation that is currently poorly defined and requires more data acquisition and/or evaluation to be classified as a Prospect.	Project activities are focused on acquiring additional data and/or undertaking further evaluation designed to confirm whether or not the Lead can be matured into a Prospect. Such evaluation includes the assessment of the chance of geologic discovery and, assuming discovery, the range of potential recovery under feasible development scenarios.
Play	A project associated with a prospective trend of potential prospects, but that requires more data acquisition and/or evaluation to define specific	Project activities are focused on acquiring additional data and/or undertaking further evaluation designed to define specific Leads or Prospects for more detailed analysis of their chance of geologic discovery and, assuming discovery, the range of potential recovery under hypothetical development scenarios.

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Table 2—Reserves Status Definitions and Guidelines

Status	Definition	Guidelines
Developed Reserves	Expected quantities to be recovered from existing wells and facilities.	Reserves are considered developed only after the necessary equipment has been installed, or when the costs to do so are relatively minor compared to the cost of a well. Where required facilities become unavailable, it may be necessary to reclassify Developed Reserves as Undeveloped. Developed Reserves may be further sub-classified as Producing or Non-producing.
Developed Producing Reserves	Expected quantities to be recovered from completion intervals that are open and producing at the effective date of the estimate.	Improved recovery Reserves are considered producing only after the improved recovery project is in operation.
Developed Non-Producing Reserves	Shut-in and behind- pipe Reserves.	Shut-in Reserves are expected to be recovered from (1) completion intervals that are open at the time of the estimate but which have not yet started producing, (2) wells which were shut-in for market conditions or pipeline connections, or (3) wells not capable of production for mechanical reasons. Behind-pipe Reserves are expected to be recovered from zones in existing wells that will require additional completion work or future re-completion before start of production with minor cost to access these reserves. In all cases, production can be initiated or restored with relatively low expenditure compared to the cost of drilling a new well.
Undeveloped Reserves	Quantities expected to be recovered through future significant investments.	Undeveloped Reserves are to be produced (1) from new wells on undrilled acreage in known accumulations, (2) from deepening existing wells to a different (but known) reservoir, (3) from infill wells that will increase recovery, or (4) where a relatively large expenditure (e.g., when compared to the cost of drilling a new well) is required to (a) recomplete an existing well or (b) install production or transportation facilities for primary or improved recovery projects.

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Category	Definition	Guidelines
Possible Reserves	Those additional reserves that analysis of geoscience and engineering data indicates are less likely to be recoverable than Probable Reserves.	The total quantities ultimately recovered from the project have a low probability to exceed the sum of Proved plus Probable plus Possible (3P), which is equivalent to the high-estimate scenario. When probabilistic methods are used, there should be at least a 10% probability (P10) that the actual quantities recovered will equal or exceed the 3P estimate.
		Possible Reserves may be assigned to areas of a reservoir adjacent to Probable where data control and interpretations of available data are progressively less certain. Frequently, this may be in areas where geoscience and engineering data are unable to clearly define the area and vertical reservoir limits of economic production from the reservoir by a defined, commercially mature project.
		Possible estimates also include incremental quantities associated with project recovery efficiencies beyond that assumed for Probable.
Probable and Possible Reserves	See above for separate criteria for Probable Reserves and Possible Reserves.	The 2P and 3P estimates may be based on reasonable alternative technical interpretations within the reservoir and/or subject project that are clearly documented, including comparison to results in successful similar projects.
		In conventional accumulations, Probable and/or Possible Reserves may be assigned where geoscience and engineering data identify directly adjacent portions of a reservoir within the same accumulation that may be separated from Proved areas by minor faulting or other geological discontinuities and have not been penetrated by a wellbore but are interpreted to be in communication with the known (Proved) reservoir. Probable or Possible Reserves may be assigned to areas that are structurally higher than the Proved area. Possible (and in some cases, Probable) Reserves may be assigned to areas that are structural lower than the adjacent Proved or 2P area.
		Caution should be exercised in assigning Reserves to adjacent reservoirs isolated by major, potentially sealing faults until this reservoir is penetrated and evaluated as commercially mature and economically productive. Justification for assigning Reserves in such cases should be clearly documented. Reserves should not be assigned to areas that are clearly separated from a known accumulation by non-productive reservoir (i.e., absence of reservoir, structurally low reservoir, or negative test results); such areas may contain Prospective Resources.
		In conventional accumulations, where drilling has defined a highest known oil elevation and there exists the potential for an associated gas cap, Proved Reserves of oil should only be assigned in the structurally higher portions of the reservoir if there is reasonable certainty that such portions are initially above bubble point pressure based on documented engineering analyses. Reservoir portions that do not meet this certainty may be assigned as Probable and Possible oil and/or gas based on reservoir fluid properties and pressure gradient interpretations.

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BLOSSARY		
ist of Standa.	rd Oil Industry Terms and Abbreviations	
ABEX	Abandonment Expenditure	
ACQ	Annual Contract Quantity	
	Degrees API (American Petroleum Institute)	
AAPG	American Association of Petroleum Geologists	
<u>AVO</u> Δ\$	Australian Dollars	
B	Billion (10 ⁹)	
Bbl	Barrels	
/Bbl	per barrel	
BBbl	Billion Barrels	
BHA	Bottom Hole Assembly	
BHC	Bottom Hole Compensated	
Bscf or Bcf	Billion standard cubic feet	
Bscfd or Bcfd	Billion standard cubic feet per day	
Bm ³	Billion cubic metres	
bcpd	Barrels of condensate per day	
BHP	Bollom Hole Pressure	
bipa	Barrels of liquid per day	
boe	Barrels of oil equivalent @ xxx mcf/Rbl	
boend	Barrels of oil equivalent of day @ xxx mcf/Bbl	
BOP	Blow Out Preventer	
bopd	Barrels oil per day	
bwpd	Barrels of water per day	
BS&W	Bottom sediment and water	
BTU	British Thermal Units	
bwpd	Barrels water per day	
CBM	Coal Bed Methane	
	Carbon Dioxide	
	Combined Cycle Cas Turbine	
cm	centimetres	
CMM	Coal Mine Methane	
CNG	Compressed Natural Gas	
Ср	Centipoise (a measure of viscosity)	
CSG	Coal Seam Gas	
СТ	Corporation Tax	
DCQ	Daily Contract Quantity	
Deg C	Degrees Celsius	
Deg F	Degrees Fahrenheit	
	Direct Hydrocarbon Indicator	
DWT	Dead-weight ton	
F&A	Exploration & Appraisal	
E&P	Exploration and Production	
EBIT	Earnings before Interest and Tax	
EBITDA	Earnings before interest, tax, depreciation and amortisation	
EI	Entitlement Interest	
EIA	Environmental Impact Assessment	
EMV	Expected Monetary Value	
EOR	Enhanced Oil Recovery	
EUR	Estimated Ultimate Recovery	
FUP	Field Development Plan	
FEED	Front End Engineering and Design	

Grant Samuel & Associates Pty Ltd October 2023

All.1

		Gaffney Cline
5000	Flasting Decision Office and Office diag	1
FPSO	Floating Production, Storage and Offloading	-
FSU #	Ficaling Storage and Officialing	
IL Ev	Foreign Exchange Bate	-
0	dram	-
g/cc	grams per cubic centimetre	-
giloo	gallon	-
gal/d	gallons per day	-
G&A	General and Administrative costs	
GBP	Pounds Sterling	-
GDT	Gas Down to	
GIIP	Gas initially in place]
GJ	Gigajoules (one billion Joules)	
GOR	Gas Oil Ratio	
GTL	Gas to Liquids	4
GWC	Gas water contact	_
HDT	Hydrocarbons Down to	-
HSE	Health, Safety and Environment	-
HSFO	High Sulphur Fuel Oil	-
HUI	Hydrocarbons up to	-
H ₂ S	Hydrogen Sulphide	-
	Improved Oil Recovery	
	Internal Pate of Return	-
	Internal Rate of Return	-
k	Permeability	-
KB	Kelly Bushing	-
KJ	Kiloioules (one Thousand Joules)	-
kl	Kilolitres	-
km	Kilometres	-
km ²	Square kilometres	
kPa	Thousands of Pascals (measurement of pressure)	
KW	Kilowatt	
KWh	Kilowatt hour	4
LKG	Lowest Known Gas	-
LKH	Lowest Known Hydrocarbons	-
LKO	Lowest Known Oil	-
LNG	Liquefied Natural Gas	-
	Life of Field	-
	Liquelled Petroleum Gas	
	Loss Time Injury	
m	Metres	-
M	Thousand	-
m ³	Cubic metres	-
Mcf or Mscf	Thousand standard cubic feet	-
MCM	Management Committee Meeting	-
MMcf or MMscf	Million standard cubic feet	
m ³ d	Cubic metres per day	1
mD	Measure of Permeability in millidarcies	1
MD	Measured Depth	
MDT	Modular Dynamic Tester]
Mean	Arithmetic average of a set of numbers	
Median	Middle value in a set of values	
MFT	Multi Formation Tester	
mg/l	milligrams per litre	
MJ	Megaioules (One Million Joules)	

Grant Samuel & Associates Pty Ltd October 2023

All.2

		Gaffney Cline
Mm ³	Thousand Cubic metree	
Mm ³ d	Thousand Cubic metres per day	
MM	Million	
MMBbl	Millions of barrels	
MMBTU	Millions of British Thermal Units	
Mode	Value that exists most frequently in a set of values = most likely Thousand standard cubic feet per day	
MMscfd	Million standard cubic feet per day	
mtpa	Milltion tonnes per annum	
MW	Megawatt	
MWD	Measuring While Drilling	
mva	Megawalt hour Million years ago	
NGL	Natural Gas Liguids	
N ₂	Nitrogen	
NPV	Net Present Value	
OBM	Oil Based Mud	
OCM	Operating Committee Meeting	
OPEX	Operating Expenditure	
OWC	Oil Water Contact	
p.a.	Per annum	
Pa	Pascals (metric measurement of pressure)	
P&A	Plugged and Abandoned	
PUP	Proved Developed Producing Productivity Index	
PJ	Petajoules (10 ¹⁵ Joules)	
PSDM	Post Stack Depth Migration	
psi	Pounds per square inch	
psia	Pounds per square inch absolute	
PUD	Proved Undeveloped	
PVT	Pressure volume temperature	
P10	10% Probability	
P50	50% Probability	
P90	90% Probability	
RFT	Receively factor Repeat Formation Tester	
RT	Rotary Table	
RTA	Rate Transient Analysis	
Rw	Resistivity of water	
SCAL	Special core analysis Standard Cubia Foot	
cfd or scfd	Standard Cubic Feet per day	
scf/ton	Standard cubic foot per ton	
SL	Straight line (for depreciation)	
S ₀	Oil Saturation	
SPE	Society of Petroleum Engineers	
SPEE	Subsea	
stb	Stock tank barrel	
STOIIP	Stock tank oil initially in place	
Sw	Water Saturation	
T	Tonnes	
	Toppes equivalent	
	Tubing Hood Processor	

Grant Samuel & Associates Pty Ltd October 2023

AII.3

TJ Tscf or Tcf TCM TOC TOP Tpd TVD TVDSS USGS	Terajoules (10 ¹² Joules) Trillion standard cubic feet Technical Committee Meeting Total Organic Carbon Take or Pay Tonnes per day	Cline
TJ Tscf or Tcf TCM TOC TOP Tpd TVD TVDSS USGS	Terajoules (10 ¹² Joules) Trillion standard cubic feet Technical Committee Meeting Total Organic Carbon Take or Pay Tonnes per day	
Tscf or Tcf TCM TOC TOP Tpd TVD TVD TVDss USGS	Trillion standard cubic feet Technical Committee Meeting Total Organic Carbon Take or Pay Tonnes per day	
TCM TOC TOP Tpd TVD TVDss USGS	Technical Committee Meeting Total Organic Carbon Take or Pay Tonnes per day	
TOC TOP Tpd TVD TVDss USGS	Total Organic Carbon Take or Pay Tonnes per day	
TOP Tpd TVD TVDss USGS	Take or Pay Tonnes per day	
TVD TVDss USGS	Torines per day	
TVDss USGS	True Vertical Depth	
USGS	True Vertical Depth Subsea	
	United States Geological Survey	
US\$	United States Dollar	
VSP	Vertical Seismic Profiling	
WL	Water Cut Working Interest	
WPC	Working interest	
WTI	West Texas Intermediate	
wt%	Weight percent	
1H05	First half (6 months) of 2005 (example of date)	
2006	Second quarter (3 months) of 2006 (example of date)	
3D	Three dimensional	
4D	Four dimensional	
1P	Proved Reserves	
2P	Proved plus Probable Reserves	
3P	Proved plus Probable plus Possible Reserves	

Annexure 2. Scheme of Arrangement



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Scheme of Arrangement

Origin Energy Limited

Scheme Shareholders

ANZ Tower 161 Castlereagh Street Sydney NSW 2000 Australia GPO Box 4227 Sydney NSW 2001 Australia T +61 2 9225 5000 F +61 2 9322 4000 herbertsmithfreehills.com DX 361 Sydney

	HERBE SMITH FREEH	ERT HILLS	
		Scheme of arrangement – share scheme	
	This sc 2001 (0	cheme of arrangement is made under section 411 of the <i>Corporations Act</i> Cth).	
	Betwee	en the parties	
		Origin Energy Limited ACN 000 051 696 of Level 32, Tower 1, 100 Barangaroo Avenue, Barangaroo NSW 2000 (Origin)	
		The Scheme Shareholders	
1	Defin	itions, interpretation and scheme components	
1.1	Definitions		
	Schedule 1 contains definitions used in this Scheme.		
1.2	Interpretation		
	Schedule 1 contains interpretation rules for this Scheme.		
1.3	Scheme components		
	This Scheme includes any schedule to it.		
2	Preliminary matters		
	(a)	Origin is a public company limited by shares, registered in New South Wales, Australia, and has been admitted to the official list of the ASX. Origin Shares are quoted for trading on the ASX.	
	(b)	As at the date of the Implementation Deed, 1,722,747,671 Origin Shares were on issue.	
	(c)	The Bidder is a private company limited by shares registered in New South Wales.	
	(d)	If this Scheme becomes Effective:	
		(1) the Bidder must provide or procure the provision of the Scheme Consideration to the Scheme Shareholders in accordance with the terms of this Scheme and the Deed Poll; and	

Annexure 2. Scheme of Arrangement continued





4 Implementation of this Scheme

4.1 Lodgement of Court orders with ASIC

Origin must lodge with ASIC, in accordance with subsection 411(10) of the Corporations Act, an office copy of the Court order approving this Scheme as soon as possible after the Court approves this Scheme and in any event by 5.00pm on the first Business Day after the day on which the Court approves this Scheme.

4.2 Transfer of Scheme Shares

On the Implementation Date:

- (a) subject to the provision of the Scheme Consideration in the manner contemplated by clause 5.3(a), the Scheme Shares, together with all rights and entitlements attaching to the Scheme Shares as at the Implementation Date, must be transferred to the Bidder, without the need for any further act by any Scheme Shareholder (other than acts performed by Origin as attorney and agent for Scheme Shareholders under clause 8.5), by:
 - (1) Origin delivering to the Bidder a duly completed Scheme Transfer, executed on behalf of the Scheme Shareholders by Origin (or any of its directors and officers), for registration; and
 - (2) the Bidder duly executing the Scheme Transfer as transferee, attending to the stamping of the Scheme Transfer (if required) and delivering it to Origin for registration; and
- (b) immediately following receipt of the Scheme Transfer in accordance with clause 4.2(a)(2), but subject to the stamping of the Scheme Transfer (if required), Origin must enter, or procure the entry of, the name of the Bidder in the Share Register in respect of all the Scheme Shares transferred to the Bidder in accordance with this Scheme.

5 Scheme Consideration

5.1 Scheme Consideration

- (a) The Scheme Consideration to be provided to each Scheme Shareholder in respect of their Origin Shares will be the Scheme Consideration per Scheme Share, comprising:
 - (1) the AUD Scheme Consideration; *plus*
 - (2) the USD Scheme Consideration,

which will be paid in A\$, unless the Scheme Shareholder makes a valid Currency Election in accordance with clause 5.2 in which case the payment will be made in a combination of Australian Dollars and US dollars (comprising, the AUD Scheme Consideration paid in Australian Dollars and the USD Scheme Consideration paid in US Dollars).

(b) Each Scheme Shareholder is entitled to receive the Scheme Consideration in respect of the Scheme Shares held by that Scheme Shareholder, subject to the terms of this Scheme.






- (2) stating that opinion; and
- (3) attributing all Scheme Shares held by all of them to one of them specifically identified in the notice,

and, after such notice has been given, the Scheme Shareholder specifically identified in the notice as the deemed holder of all specified Scheme Shares will, for the purposes of the provisions of the Scheme, be taken to hold all those Scheme Shares and each of the other Scheme Shareholders whose names and Registered Addresses are set out in the notice will, for the purposes of the provisions of the Scheme, be taken to hold no Scheme Shares. The Bidder, in









	HERE SMITH FREE	3ERT H HILLS		
		by the Bidder under clause 8.4(a) may act in the best interests of the Bidder as the intended registered holder of the Scheme Shares.		
8.5	Auth	ority given to Origin		
	Each	Scheme Shareholder, without the need for any further act:		
	(a)	on the Effective Date, irrevocably appoints Origin and each of its directors, officers and secretaries (jointly and each of them severally) as its attorney and agent for the purpose of enforcing the Deed Poll against the Bidder and the Bidder, and Origin undertakes in favour of each Scheme Shareholder that it will enforce the Deed Poll against the Bidder and the Bidder on behalf of and as agent and attorney for each Scheme Shareholder; and		
	(b)	on the Implementation Date, irrevocably appoints Origin and each of its directors, officers and secretaries (jointly and each of them severally) as its attorney and agent for the purpose of executing any document or doing or taking any other act necessary, desirable or expedient to give effect to this Scheme and the transactions contemplated by it, including (without limitation) executing and delivering the Scheme Transfer,		
	and O Share to all c and se	rigin accepts each such appointment. Origin as attorney and agent of each Scheme holder, may sub-delegate its functions, authorities or powers under this clause 8.5 or any of its directors, officers, secretaries or employees (jointly, severally or jointly everally).		
8.6	Bind	Binding effect of Scheme		
	This S not att Meetir incons	icheme binds Origin and all of the Scheme Shareholders (including those who did end the Scheme Meeting to vote on this Scheme, did not vote at the Scheme ng, or voted against this Scheme at the Scheme Meeting) and, to the extent of any sistency, overrides the constitution of Origin.		
9	Gen	General		
9.1	Stam	ıp duty		
	The B	The Bidder will:		
	(a)	pay all stamp duty (if any) and any related fines and penalties in respect of this Scheme and the Deed Poll, the performance of the Deed Poll and each transaction effected by or made under or in connection with this Scheme and the Deed Poll; and		
	(b)	indemnify each Scheme Shareholder against any liability arising from failure to comply with clause 9.1(a).		
0.2	Cons	sent		





HERBERT SMITH FREEHILLS	
Term	Meaning
	3 an amount of up to A\$914,285,714, converted from USD at an assumed US\$/A\$ exchange rate of US\$0.70 to A\$1, to the extent the Consortium elects, by notice in writing to Origin no later than 5 Business Days prior to the Scheme Meeting, for such amount to be converted, will be added to the Base Scheme AUD Consideration.
Adjusted Scheme Consideration	The sum of the Adjusted Scheme USD Consideration and the Adjusted Scheme AUD Consideration.
Adjusted Scheme USD Consideration	The Base Scheme USD Consideration, adjusted for deductions as follows:
	1 any amount of APLNG distributions (including any gains or losses from related commodity hedge transactions) in USD received by Origin no later than 5 Business Days prior to the Scheme Meeting, that are converted into AUD at the relevant hedge rate under the Agreed AUDUSD Hedging Arrangements, will be deducted from the Base Scheme USD Consideration;
	2 all APLNG distributions in USD that are unhedged at time of the Implementation Deed:
	A. received by Origin no later than 5 Business Days prior to the Scheme Meeting, that Origin elects to convert into AUD at the actual US\$/A\$ exchange rate undertaken by Origin pursuant to which the conversion into AUD occurs; and
	B. that are expected to be received by Origin between the date that is 5 Business Days prior to the Scheme Meeting and the Implementation Date (the USD amount of which will be agreed between Origin and Bidder, each acting reasonably and in good faith), provided that Origin has undertaken the relevant Additional AUDUSD Hedging Arrangements, and such amounts are calculated to be converted into AUD on the date that is 5 Business Days prior to the Scheme Meeting at the relevant hedge rate under the Additional AUDUSD Hedging Arrangements,
	will be deducted from the Base Scheme USD Consideration; and
	3 an amount of up to US\$640,000,000, converted into AUD at an assumed US\$/A\$ exchange rate of US\$0.70 to A\$1, to the extent the Consortium elects, by notice in writing to Origin no later than 5 Business Days prior to the Scheme Meeting, for such amount to be converted, will be deducted from the Base Scheme USD Consideration.
ADI	authorised deposit-taking institution (as defined in the <i>Banking Act 1955</i> (Cth)).
ASIC	the Australian Securities and Investments Commission.
Assumed Origin Share Number	 the lower of: number of Origin Shares on issue as at the Scheme Record Date; and
	anu • 1 728 72/ 6// Origin Shares

SMITH FREEHILLS			
Term	Meaning		
	such number being for the purposes of calculating the Scheme Consideration in respect of each Scheme Share.		
ASX	ASX Limited ABN 98 008 624 691 and, where the context requires, the financial market that it operates.		
AUD Scheme Consideration	the Australian Dollar amount of the Scheme Consideration in respect of each Scheme Share, being an amount equal to:		
	 the Adjusted Scheme AUD Consideration divided by the Assumed Origin Share Number; <i>plus</i> 		
	• the amount of any Additional Consideration; less		
	 the cash amount per Origin Share of any Permitted Dividend and Special Dividend to which Origin Shareholders become entitled from the date of the Implementation Deed to the Implementation Date and the HY23 Interim Dividend (in each case, not including the value attributed to any franking credits attached to any such dividend). 		
Base Scheme Consideration	the sum of the Base Scheme USD Consideration and the Base Scheme AUD Consideration.		
Base Scheme AUD Consideration Base Scheme USD Consideration Bidder Business Day	AUD9,987,000,000.		
	USD3,793,000,000.		
	MidOcean Reef BidCo Pty Ltd ABN 22 665 950 318.		
	a day that is not a Saturday, Sunday or public holiday or bank holiday in Sydney.		
CHESS	the Clearing House Electronic Subregister System operated by ASX Settlement Pty Ltd and ASX Clear Pty Limited.		
CHESS Holding	has the meaning given in the Settlement Rules.		
Corporations Act	the Corporations Act 2001 (Cth).		
Court	the Supreme Court of New South Wales or such other court of competent jurisdiction under the Corporations Act agreed to in writing by the Bidder and Origin.		
Currency Election	an election made or deemed to have been made under clause 5.2.		
Deed Poll	the deed poll substantially in the form of Attachment 1 under which the Bidder covenants in favour of the Scheme Shareholders to perform the obligations attributed to the Bidder under this Scheme.		
Effective	when used in relation to this Scheme, the coming into effect, under subsection 411(10) of the Corporations Act of the Court order made		

HERBERT SMITH FREEHILLS	
Term	Meaning
	under paragraph 411(4)(b) of the Corporations Act in relation to this Scheme
Effective Date	the date on which this Scheme becomes Effective.
Election Form	the election form that a Scheme Shareholder may request from the Origin Registry to make a Currency Election under which each Scheme Shareholder may elect to receive the USD Scheme Consideration in U dollars in respect of all of their Scheme Shares.
Election Time	7.00pm on 4 December 2023, or such other time as agreed in writing b the Bidder and Origin.
End Date	30 April 2024, or such other date as agreed in writing by the Bidder and Origin.
Excluded Shareholder	any Origin Shareholder who is a member of the Bidder Group or any Origin Shareholder who holds any Origin Shares on behalf of, or for the benefit of, any member of the Bidder Group and does not hold Origin Shares on behalf of, or for the benefit of, any other person.
Government Agency	any foreign or Australian government or governmental, semi-governmental, administrative, fiscal or judicial body, department, commission, authority, tribunal, agency or entity (including any stock or other securities exchange), or any minister of the Crown in right of the Commonwealth of Australia or any state, or any other federal, state, provincial, local or other government, whether foreign or Australian.
Implementation Date	the fifth Business Day after the Scheme Record Date, or such other da after the Scheme Record Date as agreed in writing by Origin and the Bidder.
Implementation Deed	the scheme implementation deed dated 27 March 2023 between Origin and the Bidder relating to the implementation of this Scheme.
lssuer Sponsored Holding	has the meaning given in the Settlement Rules.
Listing Rules	the official listing rules of ASX.
Operating Rules	the official operating rules of ASX.
Origin	Origin Energy Limited ACN 000 051 696.
Origin Registry	Boardroom Pty Ltd ACN 003 209 836.
Origin Share	a fully paid ordinary share in the capital of Origin.
Origin Shareholder	each person who is registered as the holder of an Origin Share in the Share Register.
Registered Address	in relation to an Origin Shareholder, the address shown in the Share Register as at the Scheme Record Date

FREEHILLS		
Term	Meaning	
Scheme	this scheme of arrangement under Part 5.1 of the Corporations Act between Origin and the Scheme Shareholders subject to any alterations or conditions made or required by the Court under subsection 411(6) of the Corporations Act and agreed to in writing by Origin and the Bidder.	
Scheme Consideration	the consideration to be provided by Bidder to each Scheme Shareholder for the transfer to Bidder of each Scheme Share being, in respect of each Scheme Share:	
	• the AUD Scheme Consideration; <i>plus</i>	
	the USD Scheme Consideration.	
Scheme Meeting	the meeting of the Origin Shareholders (other than Excluded Shareholders) ordered by the Court to be convened under subsection 411(1) of the Corporations Act to consider and vote on this Scheme and includes any meeting convened following any adjournment or postponement of that meeting.	
Scheme Record Date	7.00pm on 11 December 2023 or such other date as agreed in writing by Origin and the Bidder.	
Scheme Shares	all Origin Shares held by the Scheme Shareholders as at the Scheme Record Date.	
Scheme Shareholder	a holder of Origin Shares recorded in the Share Register as at the Scheme Record Date (other than an Excluded Shareholder).	
Scheme Transfer	a duly completed and executed proper instrument of transfer in respect of the Scheme Shares for the purposes of section 1071B of the Corporations Act, in favour of the Bidder as transferee, which may be a master transfer of all or part of the Scheme Shares.	
Second Court Date	the first day on which an application made to the Court for an order under paragraph 411(4)(b) of the Corporations Act approving this Scheme is heard or, if the application is adjourned or subject to appeal for any reason, the day on which the adjourned application or appeal is heard.	
Settlement Rules	the ASX Settlement Operating Rules, being the official operating rules of the settlement facility provided by ASX Settlement Pty Ltd.	
Share Register	the register of members of Origin maintained by Origin or the Origin Registry in accordance with the Corporations Act.	
Subsidiary	has the meaning given in Division 6 of Part 1.2 of the Corporations Act.	
USD Scheme Consideration	the US Dollar amount of the Scheme Consideration in respect of each Scheme Share, being an amount equal to the Adjusted Scheme USD Consideration divided by the Assumed Origin Share Number.	

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	SMITH FREEHII	LS	
2 I	nterpr	retation	
I	n this Sc	heme:	
(a)	headings and bold type are for convenience only and do not affect the interpretation of this Scheme;	
(b)	the singular includes the plural and the plural includes the singular;	
(c)	words of any gender include all genders;	
(d)	other parts of speech and grammatical forms of a word or phrase defined in this Scheme have a corresponding meaning;	
(e)	a reference to a person includes any company, partnership, joint venture, association, corporation or other body corporate and any Government Agency as well as an individual;	
(f)	a reference to a clause, party, schedule, attachment or exhibit is a reference to a clause of, and a party, schedule, attachment or exhibit to, this Scheme;	
(g)	a reference to any legislation includes all delegated legislation made under it and amendments, consolidations, replacements or reenactments of any of them (whether passed by the same or another Government Agency with legal power to do so);	
(h)	a reference to a document (including this Scheme) includes all amendments or supplements to, or replacements or novations of, that document;	
(i)	a reference to 'A\$' or 'Australian Dollars' is to Australian currency;	
(j)	a reference to 'US\$' or 'US Dollars' is a reference to the currency of the United States of America;	
(k)	a reference to any time is, unless otherwise indicated, a reference to that time in Sydney;	
(1)	a term defined in or for the purposes of the Corporations Act, and which is not defined in clause 1 of this Schedule 1, has the same meaning when used in this Scheme;	
(n) a reference to a party to a document includes that party's successors and permitted assignees; 		
(n)	no provision of this Scheme will be construed adversely to a party because that party was responsible for the preparation of this Scheme or that provision;	
(any agreement, representation, warranty or indemnity in favour of two or more parties (including where two or more persons are included in the same definition term) is for the benefit of them jointly and severally; 		
(p)	a reference to a body, other than a party to this Scheme (including an institute, association or authority), whether statutory or not:	
		(1) which ceases to exist; or	
		(2) whose powers or functions are transferred to another body,	
		is a reference to the body which replaces it or which substantially succeeds to its powers or functions;	
(q)	if a period of time is specified and dates from a given day or the day of an act or event, it is to be calculated exclusive of that day;	
(r)	a reference to a day is to be interpreted as the period of time commencing at	



HERBERT SMITH FREEHILLS	
	Attachment 1
Deed Poll	
Attached	





Deed

Scheme Deed Poll

MidOcean Reef Bidco Pty Ltd

ANZ Tower 161 Castlereagh Street Sydney NSW 2000 Australia T+612 9225 5000 F+612 9322 4000 herbertsmithfreehills.com DX 361 Sydney

Annexure 3. Deed Poll continued

HERBERT SMITH FREEHILLS					
Scheme De	ed Poll				
Date ► 17 Oc	otober 2023				
This deed poll	This deed poll is made				
Ву	MidOcean Reef BidCo Pty Ltd ABN 22 665 950 318 of 'Gateway' Level 20, 1 Macquarie Place Sydney NSW 2000 (Bidder).				
in favour of	each person registered as a holder of fully paid ordinary shares in Origin Energy Limited (Origin) in the Share Register as at the Scheme Record Date (other than Excluded Shareholders).				
Recitals	1 Origin, the Bidder and Brookfield entered into the Implementation Deed.				
	 2 In the Implementation Deed, the Bidder agreed to make this deed poll. 3 The Bidder is making this deed poll for the purpose of covenanting in favour of the Scheme Shareholders to perform its obligations under the 				

1 Definitions and interpretation

1.1 Definitions

(a) The meanings of the terms used in this deed poll are set out below.

the first day on which an application made to the Court for an order under subsection 411(1) of the Corporations Act convening the Scheme Meeting is heard or, if the application is adjourned or subject to appeal for any reason, the day on which the adjourned application is heard.
the scheme implementation deed entered into between Origin, the Bidder and Brookfield dated 27 March 2023.
Origin Energy Limited ACN 000 051 696.

HEF	RBERT TH FEHILLS	
	Term	Meaning
	Scheme	the scheme of arrangement under Part 5.1 of the
		Corporations Act between Origin and the Scheme
		Shareholders, substantially in the form set out in Attachment
		Shareholders, substantially in the form set out in Attachment 1, subject to any alterations or conditions made or required by

(b) Unless the context otherwise requires, terms defined in the Scheme have the same meaning when used in this deed poll.

1.2 Interpretation

Sections 2, 3 and 4 of Schedule 1 of the Scheme apply to the interpretation of this deed poll, except that references to 'this Scheme' are to be read as references to 'this deed poll'.

1.3 Nature of deed poll

The Bidder acknowledges that:

- (a) this deed poll may be relied on and enforced by any Scheme Shareholder in accordance with its terms even though the Scheme Shareholders are not party to it; and
- (b) under the Scheme, each Scheme Shareholder irrevocably appoints Origin and each of its directors, officers and secretaries (jointly and each of them severally) as its agent and attorney to enforce this deed poll against the Bidder.

2 Conditions to obligations

2.1 Conditions

This deed poll and the obligations of the Bidder under this deed poll are subject to the Scheme becoming Effective.

2.2 Termination

The obligations of the Bidder under this deed poll to the Scheme Shareholders will automatically terminate and the terms of this deed poll will be of no force or effect if:

(a) the Implementation Deed is terminated in accordance with its terms; or

(b) the Scheme is not Effective on or before the End Date,

unless the Bidder and Origin otherwise agree in writing.

2.3 Consequences of termination

If this deed poll terminates under clause 2.2, in addition and without prejudice to any other rights, powers or remedies available to it:

Annexure 3. Deed Poll continued



- (c) it has taken all necessary corporate action to authorise its entry into this deed poll and has taken or will take all necessary corporate action to authorise the performance of this deed poll and to carry out the transactions contemplated by this deed poll;
- (d) this deed poll is valid and binding on it and enforceable against it in accordance with its terms; and
- (e) this deed poll does not conflict with, or result in the breach of or default under, any provision of its constitution, or any writ, order or injunction, judgment, law, rule or regulation to which it is a party or subject or by which it is bound.

This deed po				
	l is irrevocable ar	nd, subject to clause 2, remains in full force and effect until:		
(a) the	Bidder has fully p	erformed its obligations under this deed poll; or		
(b) the	earlier terminatior	n of this deed poll under clause 2.		
Notices				
.1 Form of N	otice			
A notice or of	A notice or other communication in respect of this deed poll (Notice) must be:			
(a) in w	riting and in Engli	ish and signed by or on behalf of the sending party; and		
(b) add alte	(b) addressed to the Bidder in accordance with the details set out below (or any alternative details nominated by the Bidder by Notice).			
Attention	David E	dgar and General Counsel		
Address	Suite 20 2000	001, Level 20 Gateway, 1 Macquarie Place, Sydney NSW		
Email address	<u>david.e</u>	dgar@eigpartners.com and notices@eigpartners.com		
With a copy to	: Brookf	ield: luke.edwards@brookfield.com, .ryan@brookfield.com and		
	EIG: no	tices@eigpartners.com		
	Allens:	Tom.Story@allens.com.au and Vijay.Cugati@allens.com.au		
.2 How Notic	e must be giv	en and when Notice is received		
(a) A N	otice must be give	en by one of the methods set out in the table below.		
(b) A N belo	otice is regarded w.	ice is regarded as given and received at the time set out in the table		
However, if th period betwe Sunday or a period), then following bus	However, if this means the Notice would be regarded as given and received outside the period between 9.00am and 5.00pm (addressee's time) on a day that is not a Saturday, Sunday or a public holiday or bank holiday in the place of receipt (business hours period), then the Notice will instead be regarded as given and received at the start of the following business hours period.			
Method of giv	ng Notice	When Notice is regarded as given and received		

Annexure 3. Deed Poll continued

HERBERT SMITH FREEHILLS	
Method of giving Notice	When Notice is regarded as given and received
By pre-paid post to the nominated address	At 9.00am (addressee's time) on the third day that is not a Saturday, Sunday or a public holiday or bank holiday ir the place of receipt after the date of posting
By email to the nominated email	The first to occur of:
address	 the sender receiving an automated message confirming delivery; or
	2 two hours after the time that the email was sent (as recorded on the device from which the email was sent) provided that the sender does not, within the period, receive an automated message that the email has not been delivered.

A Notice must not be given by electronic means of communication (other than email as permitted in clause 6.2).

7 General

7.1 Stamp duty

The Bidder:

- (a) will pay all stamp duty and any related fines and penalties in respect of the Scheme and this deed poll, the performance of this deed poll and each transaction effected by or made under, or in connection with, the Scheme and this deed poll; and
- (b) indemnifies each Scheme Shareholder against any liability arising from failure to comply with clause 7.1(a).

7.2 Governing law and jurisdiction

- (a) This deed poll is governed by the law in force in New South Wales.
- (b) The Bidder irrevocably submits to the exclusive jurisdiction of courts exercising jurisdiction in New South Wales and courts of appeal from them in respect of any proceedings arising out of or in connection with this deed poll. The Bidder irrevocably waives any objection to the venue of any legal process in these courts on the basis that the process has been brought in an inconvenient forum.

7.3 Waiver

- (a) The Bidder may not rely on the words or conduct of any Scheme Shareholder as a waiver of any right unless the waiver is in writing and signed by the Scheme Shareholder granting the waiver.
- (b) No Scheme Shareholder may rely on words or conduct of the Bidder as a waiver of any right unless the waiver is in writing and signed by the Bidder.



7.4 Variation

A provision of this deed poll may not be varied unless:

- (a) if before the First Court Date, the variation is agreed to by Origin; or
- (b) if on or after the First Court Date, the variation is agreed to by Origin and the Court indicates that the variation would not of itself preclude approval of the Scheme,

in which event the Bidder will enter into a further deed poll in favour of the Scheme Shareholders giving effect to the variation.

7.5 Cumulative rights

The rights, powers and remedies of the Bidder and the Scheme Shareholders under this deed poll are cumulative and do not exclude any other rights, powers or remedies provided by law independently of this deed poll.

7.6 Assignment

- (a) The rights created by this deed poll are personal to the Bidder and each Scheme Shareholder and must not be dealt with at law or in equity without the prior written consent of the Bidder.
- (b) Any purported dealing in contravention of clause 7.6(a) is invalid.

7.7 Further action

The Bidder must, at its own expense, do all things and execute all documents necessary to give full effect to this deed poll and the transactions contemplated by it.

Annexure 3. Deed Poll continued

HERBERT SMITH FREEHILLS	
	Attachment 1
Scheme	
[Attached]	

	HERBERT SMITH FREEHILLS		
		Signing page	
	Executed as a deed poll		
	Signed sealed and delivered by MidOcean Reef Bidco Pty Ltd ^{by}		
sign here	Director	sign here Director	
print name	David Edgar	print name Benjamin Lee	
1			

Annexure 4. Notice of Scheme Meeting

Origin Energy Limited ACN 000 051 696 (Origin)

Notice is hereby given that, by an order of the Supreme Court of New South Wales (**Court**) made on 18 October 2023, pursuant to subsection 411(1) of the Corporations Act, a meeting of holders of fully paid ordinary shares in Origin (**Scheme Meeting**) will be held as follows:

Date: 23 November 2023

Time: 2.00pm (Sydney time)

Venue: The Swissôtel Sydney, 68 Market Street, Sydney, NSW.

Business of the meeting

The purpose of the meeting is to consider and, if thought fit, to approve a scheme of arrangement proposed to be made between Origin and Origin Shareholders (with or without amendment or any alterations or conditions required by the Court to which Origin and MidOcean Reef Bidco Pty Ltd agree) (the **Scheme**).

A copy of the Scheme and a copy of the explanatory statement required by section 412 of the Corporations Act in relation to the Scheme are contained in the Scheme Booklet, of which this notice forms part.

Additional information about the Scheme Meeting is set out in the explanatory notes that accompany and form part of this notice.

Resolution

The meeting will be asked to consider and, if thought fit, pass (with or without amendment) the following resolution (the **Scheme Resolution**):

"That, pursuant to and in accordance with the provisions of section 411 of the *Corporations Act 2001* (Cth), the scheme of arrangement proposed between Origin Energy Limited and the holders of its ordinary shares, as contained in and more particularly described in the scheme booklet of which the notice convening this meeting forms part, is approved, with or without alterations or conditions as approved by the Supreme Court of New South Wales to which Origin Energy Limited and MidOcean Reef Bidco Pty Ltd agree."

Dated 18 October 2023

By order of the Court and the Origin Board

Company Secretary

print name: Helen I

sign here:

Helen Hardy



1. General

This Notice of Scheme Meeting, including these explanatory notes, relates to the Scheme and should be read in conjunction with the Scheme Booklet dated 18 October 2023, of which this Notice of Scheme Meeting forms part. The Scheme Booklet contains important information to assist you in determining how to vote on the Scheme Resolution.

A copy of the Scheme is set out in Annexure 2 of the Scheme Booklet.

Capitalised terms used but not defined in this notice have the defined meanings set out in Section 10 of the Scheme Booklet, unless the context otherwise requires.

2. Scheme Meeting format

The Scheme Meeting will be held as an in person meeting. This means that Origin Shareholders and their authorised proxies, attorneys and corporate representatives will be able to participate in the Scheme Meeting by attending in person at the Swissôtel Sydney, 68 Market Street, Sydney, NSW.

Origin Shareholders who are unable to attend in person can view the Scheme Meeting via live webcast at https://originenergy.com.au/scheme2023. Shareholders watching online will not be able to vote, ask questions or make comments via the webcast.

Origin Shareholders who are unable to, or do not wish to, participate in the Scheme Meeting in person are encouraged to submit a directed proxy vote as early as possible and in any event by 2.00pm (Sydney time) on 21 November 2023 by completing and submitting the proxy form in accordance with the instructions on that form.

Even if you plan to attend the Scheme Meeting we encourage you to submit a directed proxy vote so that your vote will be counted if for any reason you cannot attend the meeting.

3. Chair

The Court has directed that Scott Perkins is to act as Chair of the meeting (and that, if Scott Perkins is unable or unwilling to act, Nora Scheinkestel is to act as Chair of the meeting).

4. Required Majorities

For the proposed Scheme to be binding in accordance with section 411 of the Corporations Act, the Scheme Resolution must be approved by:

- unless the Court orders otherwise, a majority in number (more than 50 per cent) of Origin Shareholders present and voting (either in person or by proxy, attorney or, in the case of corporate Origin Shareholders, body corporate representative) at the Scheme Meeting; and
- at least 75 per cent of the votes cast on the Scheme Resolution at the Scheme Meeting by Origin Shareholders present and voting (either in person or by proxy, attorney or, in the case of corporate Origin Shareholders, body corporate representative).

5. Court approval

Under paragraph 411(4)(b) of the Corporations Act, the Scheme (with or without amendment or any alteration or condition required by the Court) is subject to the approval of the Court. If the Scheme Resolution is passed by the Requisite Majorities and the other Conditions Precedent to the Scheme (other than approval by the Court) are satisfied or waived (if capable of waiver) by the time required under the Scheme, Origin intends to apply to the Court for the necessary orders to give effect to the Scheme.

In order for the Scheme to become Effective, it must be approved by the Court and an office copy of the orders of the Court approving the Scheme must be lodged with ASIC.

Annexure 4. Notice of Scheme Meeting continued

6. Entitlement to vote

The time for determining eligibility to vote at the Scheme Meeting is 7.00pm (Sydney time) on 21 November 2023. Only those Origin Shareholders entered on the Register at that time will be entitled to participate in and vote at the meeting, either in person, by proxy or attorney, or in the case of a corporate Origin Shareholder, by a body corporate representative. Share transfers registered after that time will be disregarded in determining voting entitlements at the Scheme Meeting. The remaining comments in these explanatory notes are addressed to Origin Shareholders entitled to attend and vote at the meeting.

7. Participation in the Scheme Meeting

7.1 Participating in person

Participants who intend to attend the Scheme Meeting are asked to arrive at least 30 minutes prior to the time the meeting is to commence, so that either their shareholding can be checked against the Origin Share Register, or any power of attorney or certificate of appointment of corporate representative verified, and their attendance noted.

7.2 Updates

Please monitor Origin's website and ASX announcements, where updates will be provided if it becomes necessary or appropriate to make alternative arrangements for the holding or conduct of the Scheme Meeting.

7.3 Watching the webcast

Shareholders may watch a live webcast of the Scheme Meeting online at https://originenergy.com.au/scheme2023. Shareholders watching online will not be able to participate in the Scheme Meeting, vote, ask questions, or make comments via the webcast.

8. How to vote

Voting at the Scheme Meeting will be conducted by poll.

If you are an Origin Shareholder entitled to vote at the Scheme Meeting, you may vote:

- by attending the Scheme Meeting in person, at the Swissôtel Sydney, 68 Market Street, Sydney, NSW;
- by appointing a proxy, by completing and submitting the proxy form that accompanied the Scheme Booklet. To be valid, your proxy appointment must be received by the Origin Share Registry by 2.00pm (Sydney time) on 21 November 2023;
- by attorney, by appointing an attorney to participate in and vote at the Scheme Meeting on your behalf and providing a duly executed power of attorney to the Origin Share Registry by 2.00pm (Sydney time) on 21 November 2023; or
- by corporate representative, in the case of a body corporate, by appointing a body corporate representative to participate in and vote at the Scheme Meeting on your behalf, and providing a duly executed 'Appointment of Corporate Representative' form (in accordance with section 250D of the Corporations Act) prior to the Scheme Meeting in accordance with section 10.4 below.

9. Jointly held securities

If you hold Origin Shares jointly with one or more other persons and more than one of you attempts to vote at the meeting (personally, or by proxy, attorney or corporate representative), only the vote of the holder whose name appears first on the Register will be counted.

See also the comments in section 10.2 below regarding the appointment of a proxy by persons who jointly hold Origin Shares.

10. Voting

10.1 Voting in person

Participants who are attending the Scheme Meeting in person may vote using the electronic voting handset provided at the meeting.



If you are unable to participate and vote at the Scheme Meeting, you may appoint an individual or a body corporate as a proxy to attend the meeting in person and vote.

An Origin Shareholder entitled to participate in and vote at the Scheme Meeting may appoint a person to participate in and vote at the meeting as their proxy at any time between the date of this notice and 2.00pm (Sydney time) on 21 November 2023. Proxy forms received after this time will be invalid.

To appoint a proxy, you should complete and return the proxy form that accompanied this Scheme Booklet in accordance with the instructions on that form. Please refer to section 10.5 of this Notice of Scheme Meeting below for further details in relation to how to submit a proxy form.

The following applies to proxy appointments:

- your proxy or proxies need not be another Origin Shareholder, and may be an individual or body corporate;
- each proxy will have the right to vote on the poll and to ask questions at the meeting;
- an Origin Shareholder who is entitled to cast two or more votes at the Meeting may appoint up to two proxies and
 may specify the proportion or number of votes each proxy may exercise. If you wish to appoint a second proxy,
 a second hard copy proxy form should be used and you should clearly indicate on the second proxy form that it
 is a second proxy and not a revocation of your first proxy. Both proxy forms should be returned together in the
 same envelope. If you wish to appoint two proxies using hard copy forms, you may copy your proxy form or obtain
 a second proxy form. You can obtain a second proxy form, or a replacement proxy form, from the Origin Share
 Registry or online at www.investorserve.com.au;
- if you appoint two proxies, each proxy should be appointed to represent a specified proportion of your voting rights. If you do not specify the proportions in the proxy forms, each proxy may exercise half of your votes with any fractions of votes disregarded;
- if you hold Origin Shares jointly with one or more other persons, each joint holder should sign the proxy form;
- if a body corporate is appointed as a proxy, it must ensure that it appoints an individual as its corporate representative (in accordance with section 250D of the Corporations Act) to exercise its powers as proxy at the Scheme Meeting in accordance with section 10.4 below; and
- if a proxy form is completed under power of attorney or other authority, the power of attorney or other authority, or a certified copy of the power of attorney or other authority, must accompany the completed proxy form unless the power of attorney or other authority has previously been noted by the Origin Share Registry.

A vote given in accordance with the terms of a proxy appointment is valid despite the revocation of that appointment, unless notice in writing of the revocation has been received by the Origin Share Registry before the start of the meeting (or, if the meeting is adjourned or postponed, before the resumption of the meeting in relation to the resumed part of the meeting) in any of the ways set out in section 10.5 below.

If you have appointed a proxy and participate in and vote at the Scheme Meeting, the authority of your proxy to participate and vote on your behalf, is automatically suspended. However, if you view the live webcast of the meeting, you will not revoke your proxy appointment.

You should consider how you wish your proxy to vote. That is, whether you want your proxy to vote 'for' or 'against', or abstain from voting on, the Scheme Resolution, or whether to leave the decision to the proxy after he or she has considered the matters discussed at the meeting.

If you do not direct your proxy how to vote on an item of business, the proxy may vote, or abstain from voting, as he or she thinks fit. If you instruct your proxy to abstain from voting on an item of business, they are directed not to vote on your behalf, and the shares the subject of the proxy appointment will not be counted in computing the required majority.

If you return your proxy form:

- without identifying a proxy on it, you will be taken to have appointed the Chair of the meeting as your proxy to vote on your behalf; or
- with a proxy identified on it but your proxy does not attend or participate in the meeting, the Chair of the meeting will act in place of your nominated proxy and vote in accordance with any directions on your proxy form.

Annexure 4. Notice of Scheme Meeting continued

The Chair of the meeting intends to vote all valid undirected proxies in favour of the Scheme Resolution, in the absence of a Superior Proposal and subject to the Independent Expert continuing to conclude that the Scheme is in the best interests of Origin Shareholders.

Proxies of eligible Origin Shareholders who attend in person will be admitted to the meeting and given an electronic voting handset on providing their name and address at the point of entry to the meeting.

10.3 Voting by attorney

You may appoint no more than two attorneys to attend and vote at the meeting on your behalf. Your attorney need not be another Origin Shareholder. Each attorney will have the right to vote on the poll and also to ask questions at the meeting.

The power of attorney appointing your attorney to participate in and vote at the meeting must be duly executed by you and specify your name, the company (that is, Origin Energy Limited), and the attorney, and also specify the meeting at which the appointment may be used. The appointment may be a standing one.

The power of attorney, or a certified copy of the power of attorney, should be received by the Origin Share Registry before 2.00pm (Sydney time) on 21 November 2023 (or, if the meeting is adjourned or postponed, no later than 48 hours before the resumption of the meeting in relation to the resumed part of the meeting) in any of the ways specified for proxy forms in section 10.5 below.

A validly appointed attorney wishing to participate in and vote at the Scheme Meeting will need to register their attendance and identify themselves as an attorney on the day of the meeting in person at the registration desk at the Swissôtel Sydney, 68 Market Street, Sydney, NSW. Attorneys must also bring with them, and hand in at the registration desk, a properly executed declaration of non-revocation of the power of attorney.

If you appoint two attorneys, each attorney should be appointed to represent a specified proportion of your voting rights. If you do not specify the proportions in the power of attorney, each attorney may exercise half of your votes.

10.4 Voting by corporate representative

A body corporate that is an Origin Shareholder, or that has been appointed as a proxy, may appoint an individual to act as its representative at the Scheme Meeting. The appointment must comply with the requirements of section 250D of the Corporations Act, meaning that Origin will require a certificate of appointment of body corporate representative to be executed in accordance with the Corporations Act.

A form of 'Appointment of Corporate Representative' certificate may be obtained online from https://boardroomlimited.com.au/investor-forms/. The certificate of appointment may set out restrictions on the representative's powers.

A validly appointed corporate representative wishing to participate in and vote at the Scheme Meeting in person must bring and provide at the registration desk the certificate appointing them as the corporate representative of the relevant Origin Shareholder or proxy.

Alternatively, Origin Shareholders may submit the certificate:

- via email, by sending it to enquiries@boardroomlimited.com.au; or
- in any of the ways specified for proxy forms in section 10.5 of this Notice of Scheme Meeting, except that a form of appointment of corporate representative cannot be lodged online.

If a certificate is completed under power of attorney or other authority, the power of attorney or other authority, or a certified copy of the power of attorney or other authority, must accompany the completed certificate unless the power of attorney or other authority has previously been received by the Origin Share Registry.

10.5 How to submit a proxy form

To appoint a proxy, you should complete and submit the proxy form accompanying the Scheme Booklet in accordance with the instructions on that form.

To be effective, proxy appointments must be received by way of completed proxy forms by the Origin Share Registry by 2.00pm (Sydney time) on 21 November 2023 (or, if the meeting is adjourned or postponed, no later than 48 hours before the resumption of the meeting in relation to the resumed part of the meeting) in any of the following ways:

- online: at https://www.votingonline.com.au/originscheme2023;
- by post in the provided reply paid envelope to the Origin Share Registry at the following address:

Origin Energy Limited C/o Boardroom Pty Limited GPO Box 3993, Sydney NSW 2001

- by fax to the Origin Share Registry on the following number: +61 2 9290 9655
- by hand delivery to the Origin Share Registry during normal business hours (Monday to Friday, 9.00am to 5.00pm) at the following address:

Boardroom Pty Limited Level 8, 210 George Street, Sydney NSW 2000

Proxy Forms received after 2.00pm (Sydney time) on 21 November 2023 (or, if Scheme Meeting is adjourned or postponed, no later than 48 hours before the resumption of the meeting in relation to the resumed part of the meeting) will be invalid.

If a proxy form is completed by an individual or corporation under power of attorney or other authority, the power of attorney or other authority, or a certified copy of the power of attorney or other authority, must accompany the completed proxy form unless the power of attorney or other authority has previously been received by the Origin Share Registry.

11 Questions

Origin Shareholders will have a reasonable opportunity to ask questions during the Scheme Meeting.

Origin Shareholders who prefer to register questions in advance of the meeting are also invited to do so by submitting questions online at www.boardroomlimited.com.au/origin/scheme2023. To allow time to collate questions and prepare answers, please submit any questions by 2.00pm (Sydney time) on 21 November 2023.

Origin Shareholders are requested to restrict themselves to two questions or comments initially, and further questions will be considered if time permits. Questions and comments may be moderated to avoid repetition and to make them more concise.

The Chair of the Scheme Meeting will endeavour to address as many of the more frequently raised relevant questions as possible during the course of the meeting. However, there may not be sufficient time available during the meeting to address all of the questions raised. Please note that individual responses will not be sent to Origin Shareholders.

12 Advertisement

Where this Notice of Scheme Meeting is advertised unaccompanied by the Scheme Booklet, a copy of the Scheme Booklet can be obtained by anyone from ASX's website (www.asx.com.au) or from Origin's website (https://www.originenergy.com.au/about/investors-media/) or by contacting the Origin Share Registry.

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Corporate Directory

0 0 0 0

Origin Energy Limited

Level 32, Tower 1 100 Barangaroo Avenue Barangaroo NSW 2000

Financial advisers

Barrenjoey Advisory Pty Limited Quay Quarter Tower Level 19 50 Bridge Street Sydney NSW 2000

Jarden

Level 54 Governor Phillip Tower 1 Farrer Place Sydney NSW 2000

Legal adviser

Herbert Smith Freehills Level 33 161 Castlereagh Street Sydney NSW 2000

Independent Expert

Grant Samuel & Associates Pty Limited Level 19 Governor Macquarie Tower 1 Farrer Place Sydney NSW 2000

Origin Share Registry

Boardroom Pty Limited Level 8 210 George Street Sydney NSW 2000

