



Independent Limited Assurance Statement to the Management and Directors of Origin Energy Limited

Our Conclusion:

Ernst & Young ('EY', 'we') have been engaged by Origin Energy Limited (Origin) to perform a limited assurance engagement, as defined by Australian Standards on Assurance Engagements, here after referred to as a 'review', over selected disclosures included in Origin's 2021 Sustainability Report and Performance Data download (the 'Report') for the year ended 30 June 2021. Based on our review, nothing has come to our attention that caused us to believe that the selected disclosures presented below have not been prepared and presented fairly, in all material aspects, in accordance with the criteria detailed below.

What our review covered

We reviewed selected sustainability disclosures, listed below, disclosed in the Report for the year ended 30 June 2021.

	Selected disclosures	Value
Energy Markets	Generation Scope 1 emissions (operated) (ktCO ₂ -e)	13,977
	Generation Scope 2 emissions (operated) (ktCO ₂ -e)	181
	Generation Scope 1 emissions (equity) (ktCO ₂ -e)	14,058
	Generation Scope 2 emissions (equity) (ktCO ₂ -e)	181
	Energy Markets Scope 3 emissions (equity) (ktCO ₂ -e)	19,286
	Emissions intensity of Eraring (tonnes Scope 1 emissions per MWh electricity sent to the grid) (tCO ₂ -e/MWh)	0.94
	Generation emissions intensity (tonnes Scope 1 and Scope 2 emissions per MWh electricity sent to the grid) (tCO ₂ -e/MWh)	0.71
	Generation emissions intensity (tonnes Scope 1 and Scope 3 emissions per MWh electricity sent to the grid) (tCO ₂ -e/MWh)	0.77
Integrated gas	Scope 1 emissions (operated) (ktCO ₂ -e)	733
	Scope 2 emissions (operated) (ktCO ₂ -e)	2,127
	Scope 1 emissions (equity) (ktCO ₂ -e)	1,154
	Scope 2 emissions (equity) (ktCO ₂ -e)	931
	Total emissions from flaring during the period (ktCO ₂ -e)	65
	Total emissions from venting during the period (ktCO ₂ -e)	205
	Total emissions from leaks and transmission during the period (ktCO ₂ -e)	27
	Emissions intensity (Scope 1 & 2 emissions per TJ total production, operational control) (tCO ₂ -e/TJ)	4.91
	Total volume of water withdrawn by APLNG (ML)	21,062
	Total volume of produced CSG water by APLNG (ML)	21,020
Safety	Total volume of CSG water available for beneficial use by APLNG (ML)	16,495
	Actual Serious HSE Incidents (#)	4
	HSE Learning Incidents (#)	52
	Total Recordable Injury Frequency Rate (TRIFR) (#)	2.7

Criteria applied by Origin

In preparing the selected disclosures, Origin applied:

- ▶ National Greenhouse and Energy Reporting ('NGER') Act 2007, NGER Regulations 2008, and NGER (Measurement) Determination 2018
- ▶ Greenhouse Gas Protocol's Corporate Value Chain (Scope 3) Accounting and Reporting Standard
- ▶ Origin's own publicly disclosed criteria as detailed in the Report.

Key responsibilities

EY's responsibilities

Our responsibility is to express a limited assurance conclusion on selected disclosures included in the Report based on the evidence we obtained. We were also responsible for maintaining our independence and confirm that we have met the requirements of the APES 110 Code of Ethics for Professional Accountants including independence and have the required competencies and experience to conduct this assurance engagement.

We conducted our review in accordance with the *Australian Standard for Assurance Engagements Other Than Audits or Reviews of Historical Financial Information* ('ASAE 3000'), *Assurance Engagements on Greenhouse Gas Statements* ('ASAE 3410') and the terms of reference for this engagement as agreed with Origin on 23 April 2021.

Those standards require that we plan and perform our engagement to obtain limited assurance about whether, in all material respects, the Subject Matter is presented in accordance with the Criteria, and to issue a report. The nature, timing, and extent of the procedures selected depend on our judgment, including an assessment of the risk of material misstatement, whether due to fraud or error.

We believe that the evidence obtained is sufficient and appropriate to provide a basis for our limited assurance conclusions.

Origin's responsibilities

Origin's management ('Management') was responsible for selecting the Criteria, and for presenting the selected disclosures in accordance with that Criteria. This responsibility included establishing and maintaining internal controls, adequate records and making estimates that are relevant to the preparation of the subject matter, such that it is free from material misstatement, whether due to fraud or error.

EY's independence and quality control

We have maintained our independence and confirm that we have met the requirements of the *APES 110 Code of Ethics for Professional Accountants* including independence and have the required competencies and experience to conduct this assurance engagement.

Description of procedures performed

Procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement. Consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed. Our procedures were designed to obtain a limited level of assurance on which to base our conclusion and do not provide all the evidence that would be required to provide a reasonable level of assurance.

Although we considered the effectiveness of Management's internal controls when determining the nature and extent of our procedures, our assurance engagement was not designed to provide assurance on internal controls. Our procedures did not include testing controls or performing procedures relating to checking aggregation or calculation of data within IT systems.

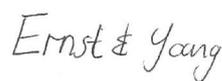
A limited assurance engagement consists of making enquiries, primarily of persons responsible for preparing the selected disclosures and related information, and applying analytical and other review procedures including:

- ▶ Conducting interviews with key personnel to understand Origin's process for collecting, collating and reporting the selected disclosures during the reporting period
- ▶ Checking that the Criteria has been reasonably applied in preparing the selected disclosures
- ▶ Checking the reasonableness of assumptions
- ▶ Inquiring of personnel to identify risks of underreporting and quality controls
- ▶ Undertaking data analytics to check the reasonableness of the data supporting disclosures, such as analysis of month on month changes in the consumption of various energy sources
- ▶ Performing recalculations of performance metrics to confirm quantities stated were replicable, such as performing a recalculation of greenhouse gas emissions using source data and the relevant emissions factor as defined by the Criteria
- ▶ Assessing evidence on a sample basis, such as selecting a sample of non-recordable health and safety incidents and assessing whether the incident description suggested that they should have been classified as recordable incidents

- ▶ Checking aggregation of selected disclosures and transcription to the Report
- ▶ Checking the appropriateness of the presentation relating to the selected disclosures in the 2021 Sustainability Report and Performance Data download.

Use of our Assurance Statement

We disclaim any assumption of responsibility for any reliance on this assurance statement, or on the selected disclosures to which it relates, to any persons other than the management and the Directors of Origin, or for any purpose other than that for which it was prepared. Our review included web-based information that was available via web links as of the date of this assurance statement. We provide no assurance over changes to the content of this web-based information after the date of this assurance statement.



Ernst & Young
Melbourne, Australia
8th September 2021



Meg Fricke
Partner