



Wheatstone Development Greenhouse Gas Annual Report FY2023

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1 Introduction

1.1 Proponent

Chevron Australia Pty Ltd (CAPL) is the Proponent and the person taking the action for the Wheatstone Development (the Project) on behalf of its current joint venture participants, pursuant to MS 873. The Project is a joint venture between Australian subsidiaries of:

- Chevron Australia Pty Ltd
- Kuwait Foreign Petroleum Exploration Company
- Woodside Energy Group Ltd
- Kyushu Electric Power Company
- PE Wheatstone Pty Ltd, part owned by JERA Co., Inc.

1.2 Purpose of this Annual Report

On 19 April 2023, the Minister for Environment; Climate Action published Ministerial Statement 1201 (MS 1201) which amended the Greenhouse Gas (GHG) related conditions of Ministerial Statement 873 (MS 873). The amended Condition 19 established annual GHG reporting requirements for the Project, as outlined in Table 1-1.

Table 1-1: Requirements for Annual GHG Emission Reporting¹

Item	Source	Section in this report
Quantity of Proposal GHG Emissions	MS 1201, Condition 19-11(1)	2
Quantity of Non-Reservoir Emissions	MS 1201, Condition 19-11(2)	2
Quantity of Reservoir Emissions	MS 1201, Condition 19-11(3)	2
Proposal GHG Emissions Intensity, Reservoir Emissions Intensity and Non-Reservoir Emissions Intensity, including calculations and calculation methodology for each	MS 1201, Condition 19-11(4)	2
Number of terajoules of gas processed at the proposal facility	MS 1201, Condition 19-11(5)	2
Number of terajoules of gas produced from the proposal facility determined in accordance with NGER Item 30(1)	MS 1201, Condition 19-11(6)	2
Tonnes of LNG and Condensate produced (loaded onto ships) and the amount of DomGas exported (terajoules)	MS 1201, Condition 19-11(7)	2

¹ Reporting requirements per MS 873 as amended by MS 1201

1.3 Scope

This report is applicable to all scope 1 greenhouse gas emissions from the current operational Wheatstone Development facilities outlined in MS 873. This includes all scope 1 emissions from the Wheatstone LNG Plant Trains 1 and 2, Domgas Plant and associated accommodation facility. The Wheatstone Development emission sources occurring in Commonwealth waters, including the Wheatstone platform are outside the scope of this report.

2 Emissions Results

Table 2-1 provides data on GHG emissions for the most recent financial year (1 July 2022 to 30 June 2023; FY2023) as per Condition 19-11. Where relevant, parameters in Table 2-1 are defined in Section 3 and calculation methodologies are provided in Table 2-2. All emissions data has been calculated in accordance with the *National Greenhouse and Energy Reporting Act 2007 (Cth)* and its subsidiary legislation.

Table 2-1: Summary of GHG data for Financial Year 2023 (FY2023)

Parameter	Unit of Measure	Quantity
Quantity of Proposal GHG Emissions ¹	t CO ₂ e	3,567,779
Quantity of Non-Reservoir Emissions	t CO ₂ e	2,428,601
Quantity of Reservoir Emissions	t CO ₂ e	1,139,178
Proposal GHG Emissions Intensity ²	t CO ₂ e/TJ	5.02
Reservoir Emissions Intensity ²	t CO ₂ e/TJ	1.60
Non-Reservoir Emissions Intensity ²	t CO ₂ e/TJ	3.42
Terajoules of gas processed at the proposal facility	TJ	751,273
Terajoules of gas produced from the proposal facility determined in accordance with NGER Item 30(1).	TJ	710,983
LNG produced (loaded onto ships)	Tonne	10,455,458
Condensate produced (loaded onto ships)	Tonne	1,361,209
DomGas exported	TJ	72,731

¹ At the time of publication of this Annual Greenhouse Gas Report, Total Proposal GHG Emissions differ slightly from FY2023 NGER data published by the Clean Energy Regulator (CER). This is due to the exclusion of approximately 221,694 t CO₂e emissions occurring in Commonwealth waters.

² Refer to Table 2-2 for Emission Intensity calculation methodology.

Table 2-2: Proposal GHG Emissions Intensity and Proposal Non-Reservoir GHG Emissions Intensity Calculations and Calculation Methodologies

Parameter	Unit of measure	Calculation Methodology	Calculation
Proposal GHG Emissions Intensity	t CO ₂ e/TJ	Total Proposal GHG Emissions / (Total energy from produced LNG + Condensate + Domgas)	3,567,779 / 710,983
Reservoir Emissions Intensity	t CO ₂ e/TJ	Total Reservoir Emissions / (Total energy from produced LNG+Condensate+Domgas)	1,139,178 / 710,983
Non-Reservoir Emissions Intensity	t CO ₂ e/TJ	Total Non-Reservoir Emissions / (Total energy from produced LNG+Condensate+Domgas)	2,428,601 / 710,983

3 Terminology

Table 3-1 defines the acronyms, abbreviations, and terminology used in this document.

Table 3-1: Terminology

Term	Definition
ABU	Australian Business Unit
CAPL	Chevron Australia Pty Ltd
CO ₂	Carbon dioxide
CO ₂ e	Carbon dioxide equivalent
Condensate	A mixture of light liquid hydrocarbons that is separated out of a natural gas stream at the point of production when the temperature and pressure of the gas is lowered down to atmospheric conditions
FY	Financial Year
GHG	Greenhouse Gas
GTP	Gas Treatment Plant
LNG	Liquefied Natural Gas
MS	(Western Australian) Ministerial Statement
MS 873	Western Australian Ministerial Statement 873 (for the Wheatstone Development) as amended from time to time
MS 1201	Western Australian Ministerial Statement 1201, (for the Wheatstone Development), as amended from time to time
NGER Act	Commonwealth <i>National Greenhouse and Energy Reporting Act 2007</i>
Non-Reservoir Emissions	Proposal Emissions other than Reservoir Emissions
Non-Reservoir Emissions Intensity	Non-Reservoir Emissions per terajoule of gas produced from the proposal facility determined in accordance with NGER Item 30(1).
Project	Wheatstone Development, as expanded and revised by the Revised and Expanded Wheatstone Development
Proposal GHG Emissions	Scope 1 GHG Emissions released to the atmosphere as a direct result of an activity or series of activities that comprise/s or form/s part of the proposal, calculated in accordance with: (a) the National Greenhouse and Energy Reporting Act 2007 (Cth) and its subsidiary legislation; or (b) if that Act or the relevant subsidiary legislation is amended or repealed such that it does not provide a mechanism for calculating the Proposal Emissions, any other Act, regulation or instrument concerning greenhouse gases as specified by the CEO.

Term	Definition
Proposal GHG Emissions Intensity	Proposal GHG Emissions per terajoule of gas produced from the proposal facility determined in accordance with NGER Item 30(1).
Reservoir Emissions	Proposal Emissions that were separated (from natural gas or products produced from extracted hydrocarbons) in an acid gas removal unit and released unused and unprocessed
Reservoir Emissions Intensity	Reservoir Emissions per terajoule of gas produced from the proposal facility determined in accordance with NGER Item 30(1).
Scope 1	Defined under the Greenhouse Gas Protocol (a Corporate Accounting and Reporting Standard) as 'all direct GHG emissions, where direct GHG emissions are emissions from sources that are owned or controlled by the reporting entity'
tCO _{2e}	Tonnes of carbon dioxide equivalent
TJ	Terajoule