



2023

GHG emissions breakdown

GHG EMISSIONS BREAKDOWN

GHG emissions ¹	Unit	2020	2021 ²	2022 ³	2023
Scope 1: GHG emission at operated sites	tCO ₂ e	1,063,494	978,523	923,775*	883,917*
Carbon dioxide	tCO ₂	868,140	789,325	793,364	753,369
Methane	tCH ₄	7,574	7,354	5,106	5,115
Nitrous oxide	tN ₂ O	20	18	9	9
Scope 2: GHG emissions from purchased electricity	tCO ₂ e	607 ^{3,4}	893 ^{3,4}	880*	747*
TOTAL (scope 1 & 2 emissions)	tCO₂e	1,064,101⁴	979,416⁴	924,656	884,663
Carbon intensity (scope 1 & 2 emissions)	kg CO ₂ e/boe	45	39	37	37
Energy use (scope 1 & 2 emissions)	GJ	8,480,008 ⁴	8,258,177 ⁴	9,173,040	8,842,236
Hydrocarbon flaring	MMscf	7,195	6,031	5,429*	4,981
Hydrocarbon flaring	MMscf/d	20	17	15*	13.6*

1. Calculations scope based on Ipieca's 2020 sustainability reporting guidance for the oil and gas industry.

2. In March 2021, Assala took over a fifth site, Atora, hence a larger area of operations in 2021, when compared to 2020.

3. In 2022, Assala revised the methodology to calculate our scope 2 GHG emissions from purchased electricity. We expanded our scope 2 emissions disclosure to include electricity purchased for Assala Energy's United Kingdom office. We also reviewed previously reported estimations for electricity consumption in Assala Gabon's Gabon-based facilities, according to our revised methodology. When estimations are still required to calculate electricity consumption at certain Assala Gabon facilities (due to availability of reliable meter readings), Assala now applies an increased kWh/m².

4. Restatement: previously, scope 2 GHG emissions from purchased electricity disclosures, and any estimations therein, were based on Assala Gabon's Gabon-based facilities only and did not include any United Kingdom-based facilities. In 2022, the contributors to our scope 2 emissions disclosure were refined (see footnote 3). According to this new methodology, these additional contributors and any revised estimations have been retrospectively included in 2020 and 2021 figures, as well as in 2022's disclosure.

*Independently assured information.



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