

GREENHOUSE GAS EMISSIONS PERFORMANCE DATA

ExxonMobil assesses its performance to support continuous improvement throughout the organization. The reporting guidelines and indicators of IPIECA, the International Oil and Gas Producers Association, and the American Petroleum Institute *Oil and Gas Industry Guidance on Voluntary Sustainability Reporting* (2020) informed the selection of the data included in this performance table. Lloyd's Register Quality Assurance has provided their independent limited [level of assurance](#) that the 2020 ExxonMobil greenhouse gas emissions inventory meets ISO 14064 expectations.

MANAGING THE RISKS OF CLIMATE CHANGE⁽⁶⁹⁾

| | 2016 | 2017 | 2018 | 2019 | 2020 |
|---|------|------|------|------|------|
| EQUITY BASIS | | | | | |
| ⁽⁷⁰⁾ Greenhouse gas emissions, absolute (net equity, CO ₂ -equivalent emissions), millions of metric tons | 124 | 121 | 123 | 118 | 111 |
| ⁽⁷¹⁾ Direct (excluding emissions from exported power and heat) | 116 | 112 | 115 | 110 | 104 |
| ⁽⁷²⁾ Emissions associated with imported power | 8 | 9 | 8 | 8 | 7 |
| CO ₂ (excluding emissions from exported power and heat) | 116 | 114 | 115 | 112 | 106 |
| Methane (CO ₂ -equivalent) | 7 | 7 | 8 | 6 | 5 |
| Other gases (CO ₂ -equivalent) | 1 | <1 | <1 | <1 | <1 |
| Emissions from exported power and heat | 3 | 3 | 3 | 3 | 3 |
| ⁽⁷⁰⁾ Greenhouse gas emissions, normalized (net equity, CO ₂ -equivalent emissions), metric tons per 100 metric tons of throughput or production | | | | | |
| Upstream | 25.8 | 25.8 | 26.5 | 24.8 | 24.0 |
| Downstream | 19.3 | 18.5 | 18.7 | 19.1 | 19.7 |
| Chemical | 53.6 | 54.2 | 53.9 | 54.7 | 53.1 |
| By-division Greenhouse gas emissions (net equity, CO ₂ -equivalent emissions), millions of metric tons | | | | | |
| Upstream | 58 | 57 | 57 | 54 | 50 |
| Downstream | 45 | 42 | 42 | 41 | 39 |
| Chemical | 21 | 22 | 23 | 23 | 22 |
| CO ₂ - captured for storage (net equity, CO ₂ -equivalent), millions of metric tons | 6 | 6 | 7 | 7 | 7 |
| OPERATED BASIS | | | | | |
| ⁽⁷⁰⁾ Greenhouse gas emissions, absolute (gross operated, CO ₂ -equivalent emissions), millions of metric tons | 113 | 109 | 110 | 106 | 99 |
| ⁽⁷¹⁾ Direct (excluding emissions from exported power and heat) | 105 | 100 | 101 | 97 | 92 |
| ⁽⁷²⁾ Emissions associated with imported power | 8 | 9 | 9 | 9 | 7 |
| CO ₂ (excluding emissions from exported power and heat) | 105 | 102 | 102 | 100 | 95 |
| Methane (CO ₂ -equivalent) | 8 | 7 | 8 | 6 | 4 |
| Other gases (CO ₂ -equivalent) | <1 | <1 | <1 | <1 | <1 |
| Emissions from exported power and heat | 3 | 3 | 3 | 2 | 2 |
| Methane normalized (metric tons CH ₄ per 100 metric tons of throughput/production) | 0.07 | 0.07 | 0.07 | 0.05 | 0.04 |
| ⁽⁷⁰⁾ Greenhouse gas emissions, normalized (gross operated, CO ₂ -equivalent emissions), metric tons per 100 metric tons of throughput or production | | | | | |
| Upstream | 28.1 | 28.1 | 28.8 | 25.7 | 24.0 |
| Downstream | 19.3 | 18.5 | 18.6 | 19.1 | 19.7 |
| Chemical | 53.1 | 53.8 | 53.0 | 53.6 | 51.2 |
| By-division Greenhouse gas emissions (gross operated, CO ₂ -equivalent emissions), millions of metric tons | | | | | |
| Upstream | 51 | 48 | 48 | 46 | 42 |
| Downstream | 44 | 42 | 42 | 41 | 39 |
| Chemical | 18 | 19 | 20 | 19 | 18 |
| ENERGY - OPERATED BASIS | | | | | |
| Energy use (billion gigajoules) | 1.5 | 1.4 | 1.5 | 1.5 | 1.5 |
| Upstream (gigajoules per metric tons production) | 2.4 | 2.5 | 2.5 | 2.5 | 2.5 |
| Downstream (gigajoules per metric tons throughput) | 2.9 | 2.9 | 3.0 | 3.1 | 3.3 |
| Chemical (gigajoules per metric tons product) | 10.6 | 10.5 | 10.0 | 10.5 | 11.7 |
| FLARING - OPERATED BASIS | | | | | |
| Hydrocarbon flaring (worldwide activities), million standard cubic feet per day | 530 | 410 | 410 | 430 | 320 |
| Africa/Europe/Middle East | 400 | 290 | 260 | 230 | 170 |
| Americas | 70 | 70 | 100 | 160 | 120 |
| Asia Pacific | 60 | 50 | 50 | 40 | 30 |
| Hydrocarbon flaring (worldwide activities), m ³ per metric tons of throughput/production | 12 | 10 | 10 | 11 | 8 |
| Scope 1 - Greenhouse gas emissions from flaring | 15 | 12 | 12 | 12 | 9 |

*2020 performance data includes ongoing greenhouse gas emissions mitigation measures as well as impacts associated with COVID-19.