ISO 6338-2:2024-08 (E)

Calculations of greenhouse gas (GHG) emissions throughout the liquefied natural gas (LNG) chain - Part 2: Natural gas production and transport to LNG plant

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Principles 2

5 GHG inventory boundaries 2

6 Quantification of GHG emissions 3
6.1 General 3
6.2 Defining the upstream system 3
6.2.1 General 3
6.2.2 Gas production feeding LNG liquefaction directly 3
6.2.3 Oil production with associated gas feeding LNG liquefaction 3
6.2.4 LNG liquefaction fed from gas grid 4
6.2.5 LNG liquefaction supplied with non-fossil feed 4
6.3 Identification of GHG sources and quantification approach 5
6.3.1 General 5
6.3.2 Emissions from fuel combustion 5
6.3.3 Emissions from flaring and venting 5
6.3.4 Fugitive emissions 6
6.3.5 Emissions associated with imported energy, utilities, and consumables 6
6.4 Calculation of GHG emissions 7
6.5 Preferred units 7
6.6 Allocation 7
6.7 Carbon capture 8

7 GHG inventory quality management 8

8 GHG reporting 8

9 Independent review 8

Bibliography 9