



Item 05 – GRI Topic Standard Project – GRI 103: Energy 2025

For GSSB approval

Date	20 February 2025
Meeting	19 March 2025
Project	GRI Topic Standard Project for Climate Change
Description	<p>This document presents the revised GRI Energy Standard for GSSB approval. A summary of key changes in the Standard compared to the exposure draft is presented in the explanatory note at the beginning of the document.</p> <p>This document reflects the outcome and consensus of the GRI Climate Change Technical Committee deliberations.</p> <p>This document is complemented by Item 7 – GRI Topic Standard Project – GSSB basis for conclusions, which summarizes the significant issues raised by respondents during public comment and the GSSB responses to these.</p> <p>Effective date</p> <p>As part of this approval, the GSSB is also asked to consider the proposed effective date of 1 January 2027 (see line [4]) for <i>GRI 103: Energy 2025</i>.</p>

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Explanatory note

This section summarizes the key changes in *GRI 103: Energy 2025* compared to the exposure draft. These changes are recommended by the technical committee based on comments from the public comment period. Please note that only key changes are listed in this summary; minor changes to wording are not included.

Disclosure 103-1 Energy policies and commitments

- Added a new requirement 103-1-b to describe the impacts on the economy, environment, and people that may result from an organization's energy consumption and the transition to renewable energy sources. See lines 169-170.
- Added extensive guidance, including examples, on how to report impacts under requirement 103-1-b, including impacts across an organization's activities and its business relationships with suppliers. Further guidance, including examples, was added to describe the actions taken to manage the impacts. See lines 212-244.
- Added guidance for requirement 103-1-a with examples of energy-related policies. Further guidance was added on reporting stakeholder engagement's role in the development of the organization's energy-related policies and commitments. See lines 173-182 and 195-206.

Disclosure 103-2 Energy consumption and self-generation within the organization

- Rearranged the structure of the disclosures to further clarify the requirements, including the combined breakdowns. See lines 253-276.
- Added guidance for requirements 103-2-a-ii and 103-2-c on how to report activities in which energy is consumed. See lines 325-329 and 378-384.
- Added guidance for requirement 103-2-b to report whether the consumption of purchased electricity from renewable sources was calculated based on grid-average data (location-based data) or contractual instruments (market-based data) and further information on the grid. See lines 351-356.
- Added guidance for requirement 103-2-c to clarify that self-generated renewable electricity consumption does not include electricity whose contractual instruments have been sold off. See lines 376-384.
- Added guidance for requirement 103-2-d on how to report self-generated electricity sold with contractual instruments or attributes retained. See lines 386-390.
- Revised two quality criteria formulations for better alignment to GHG Protocol and added a recommendation to describe how the organization strives for temporal and physical connection. See lines 401-408.
- Added guidance to report how the organization ensures that contractual instruments linked to electricity sold fulfill applicable quality criteria. See lines 409-411.
- Added references to EACs (energy attributes certificates) throughout the disclosure to clarify what contractual instruments are. See lines 348, 393 and 409.
- An example table was added to report self-generated electricity sold (103-2-d). See line 428-430.

Disclosure 103-3 Upstream and downstream energy consumption

- Revised requirement 103-3-a to report a list of the upstream and downstream categories in which significant energy consumption occurs instead of reporting a breakdown by category (as previously required). See lines 436-438.
- Added guidance for requirement 103-3-a on how to report the breakdown of significant energy consumption in the upstream and downstream value chain by category, including guidance on how to compile this information. Added guidance on how to report information under the requirement and on the use of estimation where primary data are unavailable. See lines 448-460 and 499-501.
- Added guidance for requirement 103-3-b on conversion factors. See lines 507-512.

Disclosure 103-4 Energy intensity

- Revised requirement 103-4-a to clarify that the organization shall report the energy consumption (the numerator) in addition to the ratio and the denominator. See lines 516-518.
- Added to the general guidance to select a consistent organizational boundary for both the numerator and denominator in the energy intensity ratio. See lines 534-535.
- Revised guidance for requirement 103-4-a with examples of energy intensity ratios. See lines 538-542.

Disclosure 103-5 Reduction in energy consumption

- Revised requirement 103-5-a to include reductions due to the organization's conservation and efficiency initiatives and reductions due to other factors. See lines 570-573.
- Changed requirement 103-5-c to report a list of the upstream and downstream categories in which reduction was achieved. See lines 576-578.
- Revised requirement 103-5-e to include reporting the energy consumption in the base year or baseline. See line 584.
- Added guidance for requirement 103-5-c to report a breakdown of the reduction in energy consumption achieved in the organization's upstream and downstream value chain by upstream and downstream categories in which the reduction was achieved, in alignment with Disclosure 103-3. See lines 632-634.

Glossary

- Revised 'energy reduction' definition to clarify that the reduction is 'relative to the energy used or needed in the base year or baseline'. See lines 688-689

Other editorial revisions have been made to the text to improve clarity and consistency with the GRI Style Guide.

GRI 103: Energy 2025

TOPIC STANDARD

Effective Date

This Standard is effective for reports or other materials published on or after 1 January 2027.

Responsibility

This Standard is issued by the [Global Sustainability Standards Board \(GSSB\)](#). Any feedback on the GRI Standards can be submitted to gssbsecretariat@globalreporting.org for the consideration of the GSSB.

Due Process

This Standard was developed in the public interest and in accordance with the requirements of the GSSB Due Process Protocol. It has been developed using multi-stakeholder expertise, and with regard to authoritative intergovernmental instruments and widely held expectations of organizations relating to social, environmental, and economic responsibilities.

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36 **Content**

37	Introduction	6
38	Background on the topic.....	6
39	System of GRI Standards.....	7
40	Using this Standard	8
41	1. Topic management disclosures	10
42	Disclosure 103-1 Energy policies and commitments	10
43	2. Topic disclosures	12
44	Disclosure 103-2 Energy consumption and self-generation within the organization.....	12
45	Disclosure 103-3 Upstream and downstream energy consumption	17
46	Disclosure 103-4 Energy intensity.....	19
47	Disclosure 103-5 Reduction in energy consumption.....	21
48	Glossary	23
49	Bibliography	27

This document does not represent an official position of the GSSB

50 Introduction

51 *GRI 103: Energy 2025* contains disclosures for organizations to report information about their energy-
52 related impacts, and how they manage these impacts.

53 The Standard is structured as follows:

- 54 • [Section 1](#) contains one disclosure, which provides information about how the organization
55 manages its energy-related impacts.
- 56 • [Section 2](#) contains four disclosures, which provide information about the organization's
57 energy-related impacts.
- 58 • The [Glossary](#) contains defined terms with a specific meaning when used in the GRI
59 Standards. The terms are underlined in the text of the GRI Standards and linked to the
60 definitions.
- 61 • The [Bibliography](#) lists authoritative intergovernmental instruments and additional references
62 used in developing this Standard.

63 The rest of the Introduction section provides a background on the topic, an overview of the system of
64 GRI Standards and further information on using this Standard.

65 Background on the topic

66 This Standard addresses the topic of energy.

67 The use of energy leads to greenhouse gas (GHG) emissions that contribute to climate change.

68 Most countries worldwide have committed to combating climate change, as outlined in the Paris
69 Agreement [2]. According to the Intergovernmental Panel on Climate Change (IPCC) [1], global
70 warming should be limited to 1.5°C above pre-industrial levels. This is not possible without rapid and
71 deep reductions in energy system GHG emissions by 2050. Organizations will, therefore, be required
72 to make significant changes in how they consume energy, including transitioning to renewable
73 energy, electrifying end-use sectors, and phasing out fossil fuels.

74 Organizations consume energy in various forms, such as fuel, electricity, heating, cooling, or steam.
75 Energy can be self-generated or purchased from third parties and come from renewable or non-
76 renewable sources. Energy consumption also occurs throughout activities upstream and downstream
77 of organizations' operations. This can include consumers' use and the end-of-life treatment of
78 organizations' products.

79 Energy consumption and the transition to renewable energy can have negative or positive impacts on
80 the environment and people, including their human rights. As such, measures are required across the
81 value chain that support workers, local communities, and other stakeholders, and ensure the
82 protection of the environment.

83 Negative environmental impacts can include climate change, driven by GHG emissions from energy
84 consumption, biodiversity loss due to energy infrastructure affecting soil and other natural resources,
85 and pollution from waste, such as exhausted batteries. Negative impacts on people can occur
86 throughout the value chain and include job losses and limited access to affordable, reliable, and
87 sustainable energy. Positive impacts include improving quality of life through energy access and
88 enhancing employment opportunities through training and reskilling workers.

89 **System of GRI Standards**

90 This Standard is part of the GRI Sustainability Reporting Standards (GRI Standards). The GRI
91 Standards enable an organization to report information about its most significant impacts on the
92 economy, environment, and people, including impacts on their human rights, and how it manages
93 these impacts.

94 The GRI Standards are structured as a system of interrelated standards that are organized into three
95 series: GRI Universal Standards, GRI Sector Standards, and GRI Topic Standards (see [Figure 1](#) in
96 this Standard).

97 **Universal Standards: GRI 1, GRI 2 and GRI 3**

98 [GRI 1: Foundation 2021](#) specifies the requirements that the organization must comply with to report in
99 accordance with the GRI Standards. The organization begins using the GRI Standards by consulting
100 [GRI 1](#).

101 [GRI 2: General Disclosures 2021](#) contains disclosures that the organization uses to provide
102 information about its reporting practices and other organizational details, such as its activities,
103 governance, and policies.

104 [GRI 3: Material Topics 2021](#) provides guidance on how to determine material topics. It also contains
105 disclosures that the organization uses to report information about its process of determining material
106 topics, its list of material topics, and how it manages each topic.

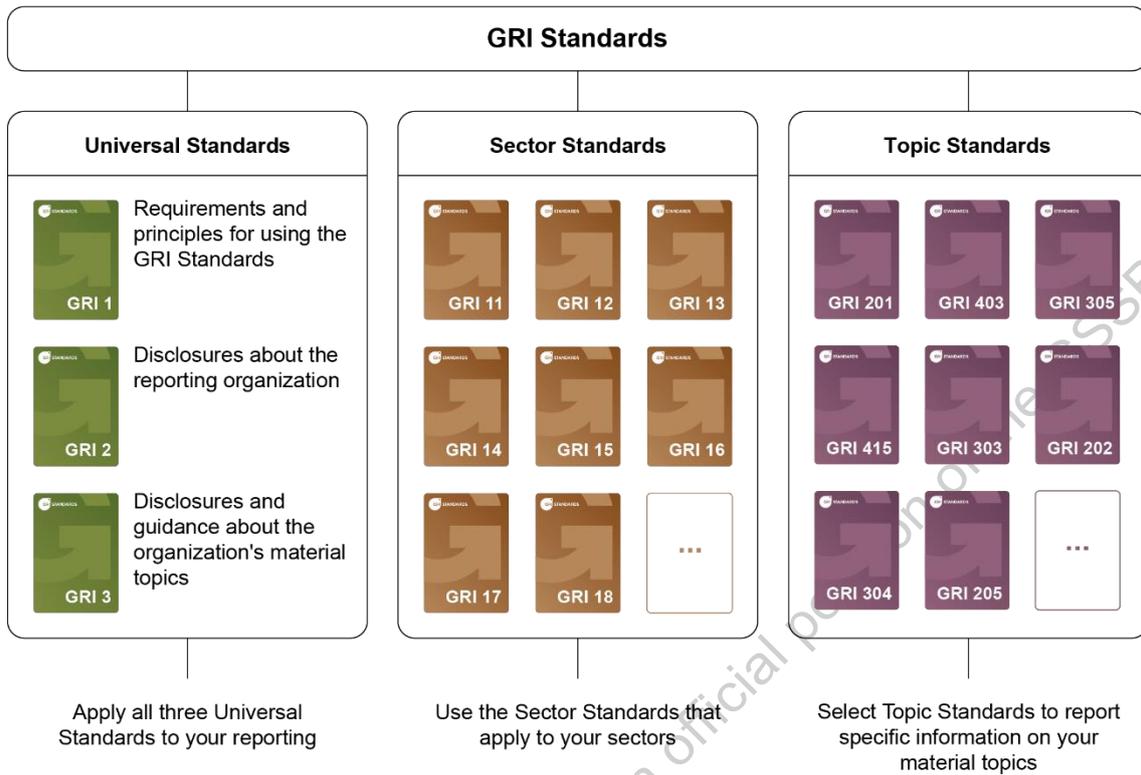
107 **Sector Standards**

108 The Sector Standards provide information for organizations about their likely material topics. The
109 organization uses the Sector Standards that apply to its sectors when determining its material topics
110 and when determining what to report for each material topic.

111 **Topic Standards**

112 The Topic Standards contain disclosures that the organization uses to report information about its
113 impacts in relation to particular topics. The organization uses the Topic Standards according to the list
114 of material topics it has determined using [GRI 3](#).

115 **Figure 1. GRI Standards: Universal, Sector and Topic Standards**



116 **Using this Standard**

117 This Standard can be used by any organization – regardless of size, type, sector, geographic location,
 118 or reporting experience – to report information about its energy-related impacts. In addition to this
 119 Standard, disclosures that relate to this topic can be found in [GRI 102: Climate Change and Just](#)
 120 [Transition 2025](#).

121 An organization reporting in accordance with the GRI Standards is required to report the following
 122 disclosures if it has determined energy to be a material topic:

- 123
- [Disclosure 3-3 in GRI 3: Material Topics 2021](#).
 - Any disclosures from this Topic Standard that are relevant to the organization’s energy-related impacts (Disclosure 103-1 through Disclosure 103-5).
- 124
- 125

126 See [Requirements 4 and 5 in GRI 1: Foundation 2021](#).

127 Reasons for omission are permitted for these disclosures.

128 If the organization cannot comply with a disclosure or with a requirement in a disclosure (e.g.,
 129 because the required information is confidential or subject to legal prohibitions), the organization is
 130 required to specify the disclosure or the requirement it cannot comply with, and provide a reason for
 131 omission together with an explanation in the GRI content index. See [Requirement 6 in GRI 1](#) for more
 132 information on reasons for omission.

133 If the organization cannot report the required information about an item specified in a disclosure
 134 because the item (e.g., committee, policy, practice, process) does not exist, it can comply with the
 135 requirement by reporting this to be the case. The organization can explain the reasons for not having
 136 this item, or describe any plans to develop it. The disclosure does not require the organization to
 137 implement the item (e.g., developing a policy), but to report that the item does not exist.

138 If the organization intends to publish a standalone sustainability report, it does not need to repeat
139 information that it has already reported publicly elsewhere, such as on web pages or in its annual
140 report. In such a case, the organization can report a required disclosure by providing a reference in
141 the GRI content index as to where this information can be found (e.g., by providing a link to the web
142 page or citing the page in the annual report where the information has been published).

143 **Requirements, guidance and defined terms**

144 The following apply throughout this Standard:

145 Requirements are presented in **bold font** and indicated by the word 'shall'. An organization must
146 comply with requirements to report in accordance with the GRI Standards.

147 Requirements may be accompanied by guidance.

148 Guidance includes background information, explanations, and examples to help the organization
149 better understand the requirements. The organization is not required to comply with guidance.

150 The Standards may also include recommendations. These are cases where a particular course of
151 action is encouraged but not required.

152 The word 'should' indicates a recommendation, and the word 'can' indicates a possibility or option.

153 Defined terms are underlined in the text of the GRI Standards and linked to their definitions in the
154 [Glossary](#). The organization is required to apply the definitions in the Glossary.

155

156

1. Topic management disclosures

157 An organization reporting in accordance with the GRI Standards is required to report how it manages
158 each of its material topics.

159 An organization that has determined energy to be a material topic is required to report how it
160 manages the topic using [Disclosure 3-3 in GRI 3: Material Topics 2021](#). The organization is also
161 required to report any disclosure from this section (Disclosure 103-1) that is relevant to its energy-
162 related impacts.

163 This section is therefore designed to supplement – and not replace – Disclosure 3-3 in *GRI 3*.

164 Disclosure 103-1 Energy policies and commitments

165 REQUIREMENTS

166 The organization shall:

- 167 a. describe how its energy-related policies and commitments contribute to energy
168 consumption reduction, energy efficiency, and the transition to renewable energy sources;
- 169 b. describe the impacts on the economy, environment, and people that may result from its
170 energy consumption and the transition to renewable energy sources.

171 GUIDANCE

172 Guidance to 103-1-a

173 This requirement covers policies and commitments that apply to the organization's activities and its
174 upstream and downstream value chain.

175 Examples of energy-related policies that contribute to energy efficiency and the transition to
176 renewable energy sources include policies on:

- 177 • energy efficiency (e.g., promoting energy-saving practices in the workplace);
- 178 • the use of renewable energy, including purchasing contractual instruments (e.g., energy
179 attribute certificates [EACs], renewable electricity certificates [RECs], power purchase
180 agreements, and green electricity products);
- 181 • suppliers' use of renewable energy;
- 182 • just transition (e.g., training workers or land rights).

183 The organization should explain how its energy-related policies and commitments relate to applicable
184 country, regional, or industry-level energy regulations.

185 In addition, the organization should report whether and how its energy-related policies and
186 commitments are in line with the latest scientific evidence on the effort needed to limit global warming
187 to 1.5°C.

188 The organization should report its short-, medium-, and long-term targets aimed at:

- 189 • reducing energy consumption;
- 190 • increasing energy efficiency; and
- 191 • transitioning to renewable energy sources, including whether and how contractual instruments
192 are taken into account in renewable energy target setting and monitoring.

193 The organization should also describe how engagement with stakeholders informs its energy-related
194 policies and commitments, including:

- 195 • how it identifies stakeholders, including whether it has performed a social impact assessment,
196 whose human rights, health, socio-economic well-being, or other interests could be affected,
197 including at-risk or vulnerable groups;
- 198 • how it engages with identified stakeholders, credible stakeholder representatives, or proxy
199 organizations to understand their concerns and interests;

- 200 • how insights from stakeholder engagement, including from workers, trade unions, worker
201 representatives, suppliers, Indigenous Peoples, local communities, and governments, have
202 informed actions to prevent or mitigate negative impacts and maximize positive impacts.

203 [Disclosure 2-29 in GRI 2: General Disclosures 2021](#) covers the organization's approach to engaging
204 with its stakeholders. If the organization has described how engagement with its stakeholders has
205 informed the development and implementation of its energy-related policies and commitments under
206 Disclosure 2-29, it can provide a reference to this information.

207 The organization should report any investments allocated for energy consumption reduction, energy
208 efficiency (e.g., heating, refrigeration, and air conditioning improvements), and the transition to
209 renewable energy sources (e.g., investment in energy transition technologies, renewable energy, and
210 redesign of products, processes, or services).

211 **Guidance to 103-1-b**

212 This requirement enables the organization to describe the impacts on the economy, environment, and
213 people that may result from its energy consumption and the transition to renewable energy sources
214 across its activities and business relationships. These impacts can be the result of energy generation.

215 In the case of self-generation, the impacts are the result of an organization's activities. In the case of
216 purchased energy, the impacts are the result of an organization's business relationships with
217 suppliers (e.g., energy providers).

218 Impacts on people include those on workers, local communities, and vulnerable groups, such as
219 Indigenous Peoples. Positive impacts on people can include improving quality of life through providing
220 heat, light, and mobility, recruiting workers, or creating skills by training workers to support the
221 transition to renewable energy consumption. Negative impacts can include job loss from the shift to
222 renewable energy, health and safety risks from air pollution caused by burning fossil fuels, and land
223 rights violations during land acquisition for energy generation.

224 Impacts on the environment can include those on biodiversity and pollution. Positive impacts can
225 include energy-related infrastructure, such as offshore wind farms, acting as refuges for fish and
226 marine mammals. Negative impacts of energy-related infrastructure development can include damage
227 to species' habitats due to land and sea use changes and pollution – including dust, waste, noise, and
228 light – from construction, decommissioning, and repowering of infrastructure, such as solar plants.

229 For further information on impacts on biodiversity, see reference [3] in the [Bibliography](#).

230 The organization should describe actions taken to manage impacts that may result from its energy
231 consumption and the transition to renewable energy sources.

232 Examples of actions taken by the organization to manage impacts that are a result of energy
233 generation include:

- 234 • using or increasing the organization's leverage by enforcing contractual requirements on
235 energy supply;
- 236 • implementing incentives such as future orders;
- 237 • active collaboration with other actors to motivate the energy provider to prevent or mitigate
238 potential negative impacts.

239 Examples of actions to manage impacts on biodiversity include:

- 240 • careful project siting and planning and using already converted or disturbed land;
- 241 • implementing measures on wind farms to reduce the risk of turbine blade collisions, such as
242 using acoustic deterrents for birds and increasing wind turbine visibility.

243 The organization can use [Disclosure 101-2 in GRI 101: Biodiversity 2024](#) to report the actions taken
244 to manage its impacts on biodiversity.

245

2. Topic disclosures

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An organization reporting in accordance with the GRI Standards is required to report any disclosures from this section (Disclosure 103-2 through Disclosure 103-5) that are relevant to its energy-related impacts.

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Disclosure 103-2 Energy consumption and self-generation within the organization

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REQUIREMENTS

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The organization shall:

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a. report total fuel consumption within the organization in joules, watt-hours, or multiples, and a breakdown of this total by:

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i. renewable and non-renewable energy sources;

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ii. each activity in which the fuel is consumed for each renewable and non-renewable energy source;

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b. report total purchased electricity, heating, cooling, and steam consumption within the organization in joules, watt-hours, or multiples, and a breakdown of this total by:

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i. renewable and non-renewable energy sources;

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ii. electricity, heating, cooling, and steam consumption for each renewable and non-renewable energy source;

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c. report total self-generated renewable electricity, heating, cooling, and steam consumption within the organization in joules, watt-hours, or multiples, and a breakdown of this total by electricity, heating, cooling, and steam consumption for each activity in which it is consumed for each renewable energy source;

267
268

d. report total self-generated electricity, heating, cooling, and steam sold in joules, watt-hours, or multiples, and a breakdown of this total by:

269

i. renewable and non-renewable energy sources;

270
271

ii. electricity, heating, cooling, and steam sold for each renewable and non-renewable energy source;

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e. report whether contractual instruments are used to disclose information on purchased electricity, heating, cooling, and steam consumption, and if so, describe how the contractual instruments adhere to quality criteria to ensure accuracy and consistency;

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f. report standards, methodologies, assumptions, and calculation tools used, including the source of the conversion factors used.

277

GUIDANCE

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Throughout this guidance, electricity, heating, cooling, and steam are collectively referred to as 'electricity' in alignment with the *GHG Protocol Scope 2 Guidance* [5]. In other frameworks, 'electricity' can be referred to as 'non-fuel'.

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An organization can consume energy in the form of fuel (103-2-a) or electricity, whereby an organization separately reports energy consumption from electricity purchased (103-2-b) and electricity self-generated from renewable sources (103-2-c).

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285

Energy can be purchased from third parties or produced by the organization (self-generated). Energy can come from renewable or non-renewable sources.

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287

For an example of how to present information on requirements in Disclosure 103-2, see [Table 1](#) and [Table 2](#).

288 The organization can report the total energy consumption within the organization as the sum of 103-2-
289 a, 103-2-b, and 103-2-c. The organization can also report the total net energy consumption by
290 subtracting the electricity sold (103-2-d) from the total energy consumption within the organization
291 (103-2-a + 103-2-b + 103-2-c).

292 Organizations can also store or purchase energy through specific energy carriers (e.g., hydrogen) and
293 energy storage systems (e.g., batteries). When the organization consumes energy from energy
294 carriers or storage systems, this consumption is reported under 103-2-a, 103-2-b, or 103-2-c. If the
295 organization sells electricity from energy carriers or storage systems, this is reported under 103-2-d.
296 When the organization consumes or sells energy from energy carriers or storage systems, it reports
297 the information required in this disclosure as per their primary energy source. For example, if a
298 carrier's primary energy source is natural gas and the carrier is consumed as fuel, energy
299 consumption from the carrier will be reported as fuel consumption from non-renewable sources. The
300 organization should report any contextual information on the energy carriers' primary energy source,
301 for example, governmental programs (e.g., subsidies for hydrogen production) that supported its
302 production or associated contractual instruments.

303 Where it aids transparency or comparability over time, the organization can provide a breakdown of
304 the energy consumption by, for example:

- 305 • business unit or facility;
- 306 • country.

307 **Guidance to 103-2-a**

308 This requirement covers fuel consumption from fuels purchased by the organization and fuels self-
309 generated, such as coal mined, oil and gas extracted, or biofuel produced. The organization can
310 report the consumption of fuel purchased and fuel self-generated separately.

311 Fuel consumption from non-renewable energy sources usually contributes to the organization's
312 Scope 1 GHG emissions, which are reported under [Disclosure 102-5 in GRI 102: Climate Change](#)
313 [and Just Transition 2025](#).

314 Self-generated electricity consumption from fuel is counted under fuel consumption (103-2-a). For
315 example, if an organization has a co-generator that burns non-renewable fuels to produce electricity
316 and then consumes the generated electricity, this is counted once under fuel consumption.

317 **Guidance to 103-2-a-i**

318 Fuel consumption from renewable sources can include biofuels purchased or self-generated from
319 biomass owned or controlled by the organization (also comprising industrial waste of biological
320 origin).

321 Fuel consumption from non-renewable sources can include gasoline and liquefied petroleum gas
322 (LPG) used for combustion in boilers, furnaces, heaters, turbines, flares, incinerators, generators,
323 and vehicles owned or controlled by the organization.

324 **Guidance to 103-2-a-ii**

325 This requirement aims to identify the main drivers of fuel consumption within the organization. To
326 comply with this requirement, the organization can, for example, report a breakdown of the top five
327 fuel-consuming activities and combine the remaining activities into an 'other' category.

328 Examples of activities where fuel is consumed include manufacturing processes, operating office
329 equipment, operating a car fleet, heating buildings, and conducting research and development.

330 **Guidance to 103-2-b, 103-2-c, and 103-2-d**

331 In line with the *GHG Protocol Scope 2 Guidance* [5], definitions of electricity, heating, cooling, and
332 steam can include:

- 333 • Electricity used for operating machines, lighting, electric vehicle charging, or heating and
334 cooling systems.
- 335 • Heating commercial or industrial buildings to control interior climates and heat water. Many
336 industrial processes also require heat for specific equipment.
- 337 • Cooling produced through the distribution of cooled air or water.

338 • Steam used for mechanical work, heat, or directly as a process medium.

339 Electricity consumption from renewable sources can include wind and solar. Electricity consumption
340 from non-renewable sources can include coal, oil, and natural gas.

341 **Guidance to 103-2-b**

342 This requirement covers purchased electricity consumption from renewable and non-renewable
343 energy sources.

344 In this requirement, consumption of purchased electricity also refers to circumstances where the
345 organization indirectly acquires and consumes electricity (e.g., as a tenant of a property).

346 Contractual instruments can provide information on the breakdown of purchased electricity by
347 renewable and non-renewable sources under 103-2-b-i. Examples of contractual instruments include
348 energy attribute certificates (EACs), renewable electricity certificates (RECs), power purchase
349 agreements, and green electricity products. This can be helpful when variations in accounting
350 methods across countries make it difficult to report this breakdown consistently.

351 The organization should report whether the consumption of purchased electricity from renewable
352 sources was calculated based on grid-average data (location-based data) or contractual instruments
353 (market-based data). The organization should report how it purchases electricity from the grid (e.g.,
354 from a utility, retail service provider, or wholesale procurements). In addition, the organization should
355 report the percentage of energy sources in the grid mix in which they are purchasing electricity, for
356 example, 50% from wind and 50% from natural gas. If applicable, the organization should report
357 which types of contractual instruments it uses (e.g., power purchase agreements, utility green tariffs,
358 or unbundled certificates) and the amount and percentage of the total purchased electricity covered
359 by each instrument.

360 Based on the *GHG Protocol Scope 2 Guidance* [5], quality criteria apply to all contractual instruments
361 to ensure accuracy and consistency of reporting (see [Guidance to 102-6-a](#) for further information).

362 The organization can report additional information on the contractual instruments, for example:

363 • the date that a renewable generation facility was commissioned or repowered;
364 • whether a renewable generation facility receives government subsidies or other
365 support;
366 • the length of the contract for contractual instruments;
367 • whether the contract was signed before the investment decision to build a renewable
368 generation facility.

369 Consumption of purchased electricity contributes to the organization's Scope 2 GHG emissions,
370 which are reported under [Disclosure 102-6 in GRI 102: Climate Change and Just Transition 2025](#).

371 **Guidance to 103-2-c**

372 This requirement covers self-generated electricity consumption from renewable energy sources
373 (e.g., wind, solar).

374 When the organization generates electricity from fuel consumed and then uses the generated
375 electricity, the energy consumption is counted once under 103-2-a.

376 Self-generated renewable electricity consumption does not include electricity whose contractual
377 instruments have been sold off.

378 The required breakdown by activity aims to identify the main drivers of electricity consumption within
379 the organization. To comply with this requirement, the organization can, for example, report a
380 breakdown of the top five electricity-consuming activities and combine the remaining activities into
381 an 'other' category.

382 Examples of activities where electricity is consumed include manufacturing processes, operating
383 office equipment, operating a car fleet, heating buildings, and conducting research and
384 development.

385 **Guidance to 103-2-d**

386 When the organization sells self-generated renewable electricity, it should report whether it has sold
387 off any linked contractual instruments. The organization should also report a breakdown of self-
388 generated renewable electricity sold with:

- 389 • contractual instruments; or
- 390 • attributes retained.

391 **Guidance to 103-2-e**

392 The following quality criteria, built on the *GHG Protocol Scope 2 Guidance* [5], apply to
393 contractual instruments (e.g., EACs):

- 394 • Contractual instruments must convey the GHG emission rate attribute associated with
395 the electricity produced. Attributes are defined as descriptive or performance
396 characteristics of a particular generation resource. Each contractual instrument must be
397 the only source of a GHG emission rate attribute claim associated with its quantity of
398 energy generation.
- 399 • Contractual instruments must be tracked and redeemed, retired, or canceled by or on
400 behalf of the reporting organization.
- 401 • Contractual instruments must be issued and redeemed as close as possible to the
402 energy consumption period the contractual instrument applies to.
- 403 • Contractual instruments must be sourced from the same market to which the
404 contractual instrument is applied.

405 The organization should also describe how it strives for the temporal and physical connection
406 between contractual instruments and their associated energy consumption. For example, the
407 contractual instrument can be sourced from the same grid or country where it is applied, and
408 the contractual instrument can be issued with hourly matching.

409 If the organization uses data from contractual instruments (e.g., EACs) to report self-generated
410 electricity sold, it should report how it ensures that contractual instruments adhere to applicable
411 quality criteria.

412 For further information on the quality criteria and how to support accurate accounting if an
413 organization cannot meet them, see reference [5] in the [Bibliography](#).

414 **Guidance to 103-2-f**

415 The organization should explain why the standards, methodologies, assumptions, and calculation
416 tools used were chosen.

417 The organization should:

- 418 • apply conversion factors consistently for all data disclosed;
- 419 • use conversion factors that best represent the specific energy content of the fuel to convert
420 to joules, watt-hours, or multiples. For example, the organization should use conversion
421 factors for bituminous coal instead of generic coal when reporting energy consumption from
422 bituminous coal.

423 Table 1 offers an example of how to present information on energy consumption within the
424 organization. 'N' represents the organization's additional energy sources or activities. The
425 organization can amend the table according to its practices.

426 **Table 1. Example template for presenting information for 103-2-a, 103-2-b, and 103-2-c**

		Renewable energy sources		Non-renewable energy sources		Total
		Energy source 1	Energy source N	Energy source 1	Energy source N	
Fuel consumption (103-2-a)	Activity 1					
	Activity N					
	Total					
Purchased electricity consumption (103-2-b)	Electricity					
	Heating					
	Cooling					
	Steam					
	Total					
Self-generated renewable electricity consumption (103-2-c)	Electricity	Activity 1				
		Activity N				
	Heating	Activity 1				
		Activity N				
	Cooling	Activity 1				
		Activity N				
	Steam	Activity 1				
		Activity N				

427 Note: Gray cells indicate non-applicable items.

428 Table 2 offers an example of how to present information on self-generated electricity sold. The
 429 organization can amend the table according to its practices.

430 **Table 2. Example template for presenting information for 103-2-d**

		<u>Renewable energy sources</u>		<u>Non-renewable energy sources</u>		Total
		Energy source 1	Energy source N	Energy source 1	Energy source N	
Self-generated electricity sold (103-2-d)	Electricity					
	Heating					
	Cooling					
	Steam					
	Total					

431 Note: Gray cells indicate non-applicable items.

Disclosure 103-3 Upstream and downstream energy consumption

REQUIREMENTS

The organization shall:

- a. report total significant energy consumption in its upstream and downstream value chain in joules, watt-hours, or multiples, and list the upstream and downstream categories in which significant energy consumption occurs;
- b. report standards, methodologies, assumptions, and calculation tools used, including the source of the conversion factors used.

GUIDANCE

This disclosure covers energy consumption from activities outside the organization and includes the upstream and downstream value chain.

Consumption of non-renewable energy sources upstream and downstream in the organization's value chain contributes to the organization's Scope 3 GHG emissions, which are reported under [Disclosure 102-7 in GRI 102: Climate Change and Just Transition 2025](#).

Guidance to 103-3-a

To compile the information required under 103-3-a, the organization can use the following steps:

- a. identify which activities in its upstream and downstream value chain have significant energy consumption;
- b. add up the energy consumption for these activities;
- c. attribute the activities that have significant energy consumption to the upstream and downstream categories listed below; and
- d. list the upstream and downstream categories.

The organization should provide a breakdown of the total significant energy consumption in its upstream and downstream value chain by upstream and downstream categories in which significant energy consumption occurs. To compile this information, the organization can use the following steps:

- a. refer to the list of upstream and downstream categories in which significant energy consumption occurs; and
- b. for each category, report the energy consumption.

The organization can identify which activities in its upstream and downstream value chain have significant energy consumption by assessing whether an activity's energy consumption:

- contributes significantly to the organization's total energy consumption in its upstream and downstream value chain;
- offers potential for reductions the organization can undertake or influence;
- contributes to climate change as high-emitting activity;
- is deemed material by stakeholders, such as civil society organizations, customers, investors, or suppliers;
- results from outsourcing a previously performed in-house activity or that is typically performed in-house by other organizations in the same sector;
- has been identified as significant for the organization's sector;
- meets additional criteria for determining relevance developed by the organization or its sector.

The significant energy consumption in the organization's upstream and downstream value chain includes the significant energy consumption for each of the following upstream and downstream categories from the *GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard* [4]:

Upstream categories

1. Purchased goods and services

- 480 2. Capital goods
481 3. Fuel- and energy-related activities (not included in [Disclosure 103-2](#))
482 4. Upstream transportation and distribution
483 5. Waste generated in operations
484 6. Business travel
485 7. Employee commuting
486 8. Upstream leased assets

487 **Downstream categories**

- 488 9. Downstream transportation and distribution
489 10. Processing of sold products
490 11. Use of sold products
491 12. End-of-life treatment of sold products
492 13. Downstream leased assets
493 14. Franchises
494 15. Investments

495 The organization should use all reasonable and supportable information at the reporting date to
496 measure upstream and downstream energy consumption.

497 The organization should report upstream and downstream energy consumption separately for
498 renewable and non-renewable energy sources.

499 If the organization cannot use primary data to calculate significant upstream and downstream energy
500 consumption, it can estimate the consumption. Primary data is obtained from suppliers or other value
501 chain entities related to the organization's activities. The organization should report for which
502 upstream and downstream categories estimations are used and the percentage of data estimated for
503 each category.

504 **Guidance to 103-3-b**

505 The organization should explain why the standards, methodologies, assumptions, and calculation
506 tools used were chosen.

507 The organization should:

- 508 • apply conversion factors consistently for all data disclosed;
509 • use conversion factors that best represent the specific energy content of the fuel to convert
510 to joules, watt-hours, or multiples. For example, when reporting on energy consumption from
511 bituminous coal, the organization should use conversion factors for bituminous coal instead
512 of generic coal.

513 Disclosure 103-4 Energy intensity

514 REQUIREMENTS

515 The organization shall:

- 516 a. report energy intensity ratio(s), including the energy consumption in joules, watt-hours, or
517 multiples (the numerator) and the organization-specific metric (the denominator) chosen to
518 calculate the ratio(s);
- 519 b. report whether the energy intensity ratio(s) include energy consumption within the
520 organization, in its upstream and downstream value chain, or both;
- 521 c. report the types of energy consumption included in the energy intensity ratio(s), whether
522 fuel, electricity, heating, cooling, or steam.

523 GUIDANCE

524 Energy intensity ratios are obtained by dividing the energy consumption (the numerator) by an
525 organization-specific metric (the denominator). Many organizations track environmental performance
526 with intensity ratio(s).

527 Energy intensity ratios express the amount of energy consumed per unit of activity, output, or any
528 other organization-specific metric.

529 Energy intensity ratios can help stakeholders and the organization understand energy efficiency in
530 relation to other organizations while supporting investment decisions for energy reduction and
531 efficiency.

532 The organization should use data on energy consumption reported under Disclosures 103-2 and 103-
533 3 to calculate the energy intensity ratio(s).

534 The organization should select a consistent organizational boundary for the numerator and
535 denominator in the energy intensity ratio.

536 For an example of how to present information on requirements in Disclosure 103-4, see [Table 3](#).

537 Guidance to 103-4-a

538 Examples of energy intensity ratios can include:

- 539 • [amount of] fuel consumption within the organization in MWh (numerator) per 100 full-time
540 equivalent employees (denominator);
- 541 • [amount of] electricity consumption within the organization and upstream and downstream in
542 the value chain in megajoules (numerator) per EUR 1 million revenue (denominator).

543 Types of organization-specific metrics (denominators) can include:

- 544 • units of product;
- 545 • production volume (such as metric tons, liters, or MWh);
- 546 • size (such as m² floor space);
- 547 • number of full-time equivalent employees;
- 548 • monetary units (such as revenue or sales).

549 Relevant denominators differ between industries or business units within an organization. Therefore,
550 the organization should choose a denominator relevant to its industry and aligned with current
551 industry standards. For example, the energy intensity of building performance according to a
552 recognized standard or the energy intensity of a given process per the process' output, such as crude
553 refining or cement production. When using recognized industry standards to calculate energy intensity
554 ratio(s), the organization should report the industry standards according to which it calculated the
555 ratio(s) and provide details on the methodologies used and assumptions made.

556 Where it aids transparency or comparability over time, the organization should provide a breakdown
557 of the energy intensity ratios by:

- 558 • business unit or facility;
- 559 • country;

- 560 • energy source;
- 561 • type of activity;
- 562 • upstream and downstream category.

563 **Guidance to 103-4-b**

564 This requirement aims to report what the energy intensity ratio covers, allowing the organization to
 565 select the scope of the energy consumption data.

566 **Table 3. Example template for presenting information on energy intensity ratio(s)**

Energy consumption (joules, watt-hours, or multiples)	Scope(s) of energy consumption (within the organization, upstream and downstream in the value chain, or both)	Types of energy consumption (fuel, electricity, heating, cooling or steam)	Organization-specific metric	Energy intensity ratio

This document does not represent an official position of the GSSB

567 Disclosure 103-5 Reduction in energy consumption

568 REQUIREMENTS

569 The organization shall:

- 570 a. report the reduction in energy consumption achieved in joules, watt-hours, or multiples,
571 including whether and how it is due to:
- 572 i. reductions from the organization's conservation and efficiency initiatives;
 - 573 ii. other factors;
- 574 b. report the types of energy consumption included in the reduction, whether fuel, electricity,
575 heating, cooling, or steam;
- 576 c. report whether the reduction in energy consumption was achieved within the organization,
577 in its upstream and downstream value chain, or both, and list the upstream and
578 downstream categories in which reduction was achieved;
- 579 d. report whether the reduction in energy consumption is estimated, modeled, or sourced
580 from direct measurements and, if applicable, the estimations or modeling methods used;
- 581 e. report the base year or baseline for calculating the reduction in energy consumption,
582 including:
- 583 i. the rationale for choosing it;
 - 584 ii. energy consumption in the base year or baseline;
- 585 f. report standards, methodologies, assumptions, and calculation tools used.

586 GUIDANCE

587 Reductions in energy consumption can be related to target setting. For further information on energy
588 target reporting, see [Guidance to 103-1-a](#).

589 Guidance to 103-5-a

590 The reduction in energy consumption can be calculated by comparing the energy consumption in the
591 reporting period to:

- 592 • energy consumption in the base year; or
- 593 • projected energy consumption in the absence of any reduction activity (baseline).

594 Energy conservation and efficiency initiatives can include:

- 595 • process redesign;
- 596 • conversion and retrofitting of equipment;
- 597 • fuel switching;
- 598 • changes in behavior.

599 Examples of other factors include reduced production capacity or outsourcing, changes in
600 organizational boundaries, and weather fluctuations that affect energy supply.

601 The organization should report the percentage of the reduction in energy consumption compared to
602 the energy consumption in the base year or baseline.

603 The organization can provide a breakdown of the reduction in energy consumption by individual
604 conservation and efficiency initiatives.

605 Guidance to 103-5-b

606 The organization can provide a breakdown of the reduction in energy consumption by energy type:
607 fuel, electricity, heating, cooling, and steam.

608 Guidance to 103-5-c

609 This requirement aims to report what the energy consumption reduction covers, allowing the
610 organization to select the scope of the energy consumption data included.

611 The reduction in energy consumption achieved in the organization's upstream and downstream
612 value chain includes the reduction achieved for each of the following upstream and downstream
613 categories from the *GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting*
614 Standard [4]:

615 ***Upstream categories***

- 616 1. Purchased goods and services
- 617 2. Capital goods
- 618 3. Fuel- and energy-related activities (not included in [Disclosure 103-2](#))
- 619 4. Upstream transportation and distribution
- 620 5. Waste generated in operations
- 621 6. Business travel
- 622 7. Employee commuting
- 623 8. Upstream leased assets

624 ***Downstream categories***

- 625 9. Downstream transportation and distribution
- 626 10. Processing of sold products
- 627 11. Use of sold products
- 628 12. End-of-life treatment of sold products
- 629 13. Downstream leased assets
- 630 14. Franchises
- 631 15. Investments

632 The organization should provide a breakdown of the reduction in energy consumption achieved in the
633 organization's upstream and downstream value chain by upstream and downstream categories in
634 which the reduction was achieved.

635 Organizations should consider the whole life cycle of their products and services when assessing
636 energy consumption reduction. This is particularly important for products and services with high
637 energy consumption during their use phase due to their potential to affect energy demand, such as
638 electronic equipment and vehicles.

639 If applicable, the organization can report reductions in energy requirements during the use phase of
640 products and services, for example, a product that consumes 10% less energy per hour.

641 **Guidance to 103-5-f**

642 The organization should explain why the standards, methodologies, assumptions, and calculation
643 tools used were chosen.

644 The organization should describe any changes in standards, methodologies, assumptions, and
645 calculation tools used compared to the previous reporting period(s), including the updates of the
646 energy consumption models developed to keep up with technological improvements.

647 Glossary

648 This glossary provides definitions for terms used in this Standard. The organization is required to
649 apply these definitions when using the GRI Standards.

650 The definitions included in this glossary may contain terms that are further defined in the complete
651 [GRI Standards Glossary](#). All defined terms are underlined. If a term is not defined in this glossary or in
652 the complete *GRI Standards Glossary*, definitions that are commonly used and understood apply.

653 **base year**

654 historical datum (a specific year or an average over multiple years) against which a measurement is
655 tracked over time

656 Source: World Resources Institute (WRI) and World Business Council for Sustainable Development
657 (WBCSD), *GHG Protocol Corporate Accounting and Reporting Standard, Revised Edition*, 2004;
658 modified

659 **baseline**

660 starting point used for comparisons

661 Note: In the context of energy reporting, the baseline is the projected energy consumption in the
662 absence of any reduction activity.

663 **business partner**

664 entity with which the organization has some form of direct and formal engagement for the purpose of
665 meeting its business objectives

666 Source: Shift and Mazars LLP, *UN Guiding Principles Reporting Framework*, 2015; modified

667 Examples: affiliates, business-to-business customers, clients, first-tier suppliers, franchisees, joint
668 venture partners, investee companies in which the organization has a shareholding position

669 Note: Business partners do not include subsidiaries and affiliates that the organization controls.

670 **business relationships**

671 relationships that the organization has with business partners, with entities in its value chain including
672 those beyond the first tier, and with any other entities directly linked to its operations, products, or
673 services

674 Source: United Nations (UN), *Guiding Principles on Business and Human Rights: Implementing the*
675 *United Nations "Protect, Respect and Remedy" Framework*, 2011; modified

676 Note: Examples of other entities directly linked to the organization's operations, products, or services
677 are a non-governmental organization with which the organization delivers support to a local
678 community or state security forces that protect the organization's facilities.

679 **conservation and efficiency initiative**

680 organizational or technological modification that allows a defined process or task to be carried out
681 using less energy

682 Examples: conversion and retrofitting of equipment such as energy-efficient lighting, elimination of
683 unnecessary energy use due to changes in behavior, process redesign

684 **employee**

685 individual who is in an employment relationship with the organization according to national law or
686 practice

687 **energy reduction**

688 amount of energy no longer used or needed to carry out the same processes or tasks relative to the
689 energy used or needed in the base year or baseline

690 **greenhouse gas (GHG)**

691 gas that contributes to the greenhouse effect by absorbing infrared radiation

692 Note: GHGs are the seven gases covered by the Kyoto Protocol: carbon dioxide (CO₂); methane
693 (CH₄); nitrous oxide (N₂O); hydrofluorocarbons (HFCs); perfluorocarbons (PFCs); sulphur
694 hexafluoride (SF₆); and nitrogen trifluoride (NF₃).

695 **human rights**

696 rights inherent to all human beings, which include, at a minimum, the rights set out in the *United*
697 *Nations (UN) International Bill of Human Rights* and the principles concerning fundamental rights set
698 out in the *International Labour Organization (ILO) Declaration on Fundamental Principles and Rights*
699 *at Work*

700 Source: United Nations (UN), *Guiding Principles on Business and Human Rights: Implementing the*
701 *United Nations "Protect, Respect and Remedy" Framework*, 2011; modified

702 Note: See [Guidance to 2-23-b-i in GRI 2: General Disclosures 2021](#) for more information on 'human
703 rights'.

704 **impact**

705 effect the organization has or could have on the economy, environment, and people, including on their
706 human rights, which in turn can indicate its contribution (negative or positive) to sustainable
707 development

708 Note 1: Impacts can be actual or potential, negative or positive, short-term or long-term, intended or
709 unintended, and reversible or irreversible.

710 Note 2: See [Section 2.1 in GRI 1: Foundation 2021](#) for more information on 'impact'.

711 **Indigenous Peoples**

712 Indigenous Peoples are generally identified as:

- 713 • tribal peoples in independent countries whose social, cultural and economic conditions
714 distinguish them from other sections of the national community, and whose status is regulated
715 wholly or partially by their own customs or traditions or by special laws or regulations;
- 716 • peoples in independent countries who are regarded as indigenous on account of their descent
717 from the populations which inhabited the country, or a geographical region to which the
718 country belongs, at the time of conquest or colonization or the establishment of present state
719 boundaries and who, irrespective of their legal status, retain some or all of their own social,
720 economic, cultural and political institutions.

721 Source: International Labour Organization (ILO), *Indigenous and Tribal Peoples Convention*, 1989
722 (No. 169)

723 **local community**

724 individuals or groups of individuals living or working in areas that are affected or that could be affected
725 by the organization's activities

726 Note: The local community can range from those living adjacent to the organization's operations to
727 those living at a distance.

728 **material topics**

729 topics that represent the organization's most significant impacts on the economy, environment, and
730 people, including impacts on their human rights

731 Note: See [section 2.2 in GRI 1: Foundation 2021](#) and [section 1 in GRI 3: Material Topics 2021](#) for
732 more information on 'material topics'.

733 **non-renewable energy source**

734 energy source that cannot be replenished, reproduced, grown, or generated in a short time period
735 through ecological cycles or agricultural processes

736 Examples: coal; fuels distilled from petroleum or crude oil, such as gasoline, diesel fuel, jet fuel, and
737 heating oil; fuels extracted from natural gas processing and petroleum refining, such as butane,

738 propane, and liquefied petroleum gas (LPG); natural gas, such as compressed natural gas (CNG) and
739 liquefied natural gas (LNG); nuclear power

740 **renewable energy source**

741 energy source that is capable of being replenished in a short time through ecological cycles or
742 agricultural processes

743 Examples: biomass, geothermal, hydro, solar, wind

744 **reporting period**

745 specific time period covered by the reported information

746 Examples: fiscal year, calendar year

747 **Scope 1 GHG emissions**

748 greenhouse gas (GHG) emissions from sources that are owned or controlled by the organization

749 Source: World Resources Institute (WRI) and World Business Council for Sustainable Development
750 (WBCSD), *GHG Protocol Scope 2 Guidance. An amendment to the GHG Protocol Corporate*
751 *Standard, 2015 and GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting*
752 *Standard, 2011*

753 Examples: CO₂ emissions from fuel consumption

754 Note: A GHG source is any physical unit or process that releases GHG into the atmosphere.

755 **Scope 2 GHG emissions**

756 indirect greenhouse gas (GHG) emissions from the generation of purchased or acquired electricity,
757 heating, cooling and steam consumed by the organization

758 Source: World Resources Institute (WRI) and World Business Council for Sustainable Development
759 (WBCSD), *GHG Protocol Scope 2 Guidance. An amendment to the GHG Protocol Corporate*
760 *Accounting and Reporting Standard, 2015 and GHG Protocol Corporate Value Chain (Scope 3)*
761 *Accounting and Reporting Standard, 2011*

762 **Scope 3 GHG emissions**

763 indirect greenhouse gas (GHG) emissions (not included in Scope 2 GHG emissions) that occur in the
764 organization's upstream and downstream value chain

765 Source: World Resources Institute (WRI) and World Business Council for Sustainable Development
766 (WBCSD), *GHG Protocol Scope 2 Guidance. An amendment to the GHG Protocol Corporate*
767 *Accounting and Reporting Standard, 2015 and GHG Protocol Corporate Value Chain (Scope 3)*
768 *Accounting and Reporting Standard, 2011*

769 **stakeholder**

770 individual or group that has an interest that is affected or could be affected by the organization's
771 activities

772 Source: Organisation for Economic Co-operation and Development (OECD), *OECD Due Diligence*
773 *Guidance for Responsible Business Conduct, 2018; modified*

774 Examples: business partners, civil society organizations, consumers, customers, employees and
775 other workers, governments, local communities, non-governmental organizations, shareholders and
776 other investors, suppliers, trade unions, vulnerable groups

777 Note: See [section 2.4 in GRI 1: Foundation 2021](#) for more information on 'stakeholder'.

778 **supplier**

779 entity upstream from the organization (i.e., in the organization's supply chain), which provides a
780 product or service that is used in the development of the organization's own products or services

781 Examples: brokers, consultants, contractors, distributors, franchisees, home workers, independent
782 contractors, licensees, manufacturers, primary producers, sub-contractors, wholesalers

783 Note: A supplier can have a direct business relationship with the organization (often referred to as a
784 first-tier supplier) or an indirect business relationship.

785 **supply chain**

786 range of activities carried out by entities upstream from the organization, which provide products or
787 services that are used in the development of the organization's own products or services

788 **sustainable development / sustainability**

789 development that meets the needs of the present without compromising the ability of future
790 generations to meet their own needs

791 Source: World Commission on Environment and Development, *Our Common Future*, 1987

792 Note: The terms 'sustainability' and 'sustainable development' are used interchangeably in the GRI
793 Standards.

794 **value chain**

795 range of activities carried out by the organization, and by entities upstream and downstream from the
796 organization, to bring the organization's products or services from their conception to their end use

797 Note 1: Entities upstream from the organization (e.g., suppliers) provide products or services that are
798 used in the development of the organization's own products or services. Entities downstream from the
799 organization (e.g., distributors, customers) receive products or services from the organization.

800 Note 2: The value chain includes the supply chain.

801 **vulnerable group**

802 group of individuals with a specific condition or characteristic (e.g., economic, physical, political,
803 social) that could experience negative impacts as a result of the organization's activities more
804 severely than the general population

805 Examples: children and youth; elderly persons; ex-combatants; HIV/AIDS-affected households;
806 human rights defenders; indigenous peoples; internally displaced persons; migrant workers and their
807 families; national or ethnic, religious and linguistic minorities; persons who might be discriminated
808 against based on their sexual orientation, gender identity, gender expression, or sex characteristics
809 (e.g., lesbian, gay, bisexual, transgender, intersex); persons with disabilities; refugees or returning
810 refugees; women

811 Note: Vulnerabilities and impacts can differ by gender.

812 **waste**

813 anything that the holder discards, intends to discard, or is required to discard

814 Source: United Nations Environment Programme (UNEP), *Basel Convention on the Control of*
815 *Transboundary Movements of Hazardous Wastes and Their Disposal*, 1989

816 Note 1: Waste can be defined according to the national legislation at the point of generation.

817 Note 2: A holder can be the reporting organization, an entity in the organization's value chain
818 upstream or downstream (e.g., supplier or consumer), or a waste management organization, among
819 others.

820 **worker**

821 person that performs work for the organization

822 Examples: employees, agency workers, apprentices, contractors, home workers, interns, self-
823 employed persons, sub-contractors, volunteers, and persons working for organizations other than the
824 reporting organization, such as for suppliers

825 Note: In the GRI Standards, in some cases, it is specified whether a particular subset of workers is
826 required to be used

827 **Bibliography**

828 This section lists authoritative intergovernmental instruments and additional references used in
829 developing this Standard.

830 **Authoritative instruments:**

831 1. Intergovernmental Panel on Climate Change (IPCC), *Climate Change 2022: Mitigation of Climate*
832 *Change. Contribution of Working Group III to the Sixth Assessment Report of the*
833 *Intergovernmental Panel on Climate Change, 2022.*

834 2. United Nations Framework Convention on Climate Change (UNFCCC), *Paris Agreement, 2016.*

835 **Additional references:**

836 3. The Biodiversity Consultancy and WWF, *Nature-safe Energy: Linking energy and nature to tackle*
837 *the climate and biodiversity crises, 2023.*

838 4. World Resources Institute (WRI) and World Business Council for Sustainable Development
839 (WBCSD), *GHG Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard,*
840 *2011.*

841 5. World Resources Institute (WRI) and World Business Council for Sustainable Development
842 (WBCSD), *GHG Protocol Scope 2 Guidance. An amendment to the GHG Protocol Corporate*
843 *Standard, 2015.*