

Agenda Item 5.3.1

IPSASB SRS ED X, Climate-related Disclosures – Clean version

REVIEW INSTRUCTIONS:

IPSASB members, Technical Advisors, and Observers are asked to note the following when reviewing draft Exposure Draft IPSASB Sustainability Reporting Standard™ (IPSASB SRS™) X, *Climate-related disclosures*:

- (a) Two versions of the draft ED are provided - Agenda Item 5.3.1 provides a clean version and Agenda Item 5.3.2 provides track changes to the version reviewed in August for reference.
- (b) When reviewing the updated draft ED, members are encouraged to focus on clarity of drafting aligned with past Board decisions and incremental changes to address Board member instructions and comments since the August 2024 check-in meeting. Areas with changes relating to key issues in Agenda Items 5.2.2 - 5.2.4 are shaded in light orange in both versions of the draft ED for your reference.
- (c) Consistent with prior quarters, draft text is based on the approved approach to developing sustainability standards, by building off:
 - (i) IPSASB's Consultation Paper *Advancing Public Sector Sustainability Reporting* and related feedback from constituents;
 - (ii) IPSASB's Conceptual Framework (CF);
 - (iii) IFRS Sustainability Disclosure Standards, namely IFRS S2 *Climate-related Disclosures* and IFRS S1 *General requirements for Disclosures of Sustainability-related Financial Information*; and
 - (iv) GRI Standards, namely GRI Universal Standards and Climate-related Topic Standards.

These components are formatted as follows for easier reference:

Format	Format description
Text	<u>Major changes to Key Issues included in Agenda Items 5.2.2 - 5.2.4 is shaded in light orange</u>
Text	Text based on the IPSASB Conceptual Framework, is highlighted in grey
Text	Text based on IFRS Sustainability Standards, is highlighted in blue
Text	Text based on GRI Standards, is highlighted in green
Track changes	<u>Text changes from version reviewed in August 2024 check-in meeting</u>

Note: paragraph cross-references may not all be up to date as paragraphs keep changing during drafting. Staff will do a detailed check of these before review of the final document.

Exposure Draft [XX]
[MM 2024]
Comments due: [MM DD, 2024]

IPSASB SRS™

*Proposed International Public Sector Accounting
Standards Board Sustainability Reporting
Standard™*

Climate-related Disclosures

IPSASB

International Public
Sector Accounting
Standards Board®

This document was developed and approved by the International Public Sector Accounting Standards Board® (IPSASB®).

The objective of the IPSASB is to serve the public interest by setting high-quality public sector accounting and sustainability reporting standards and by facilitating the adoption and implementation of these, thereby enhancing the quality and consistency of practice throughout the world and strengthening the transparency and accountability of public sector finances and sustainable development.

In meeting this objective the IPSASB sets International Public Sector Accounting Standards® (IPSAS®), IPSASB Sustainability Reporting Standards™ (IPSASB SRS™) and Recommended Practice Guidelines™ (RPGs™) for use by public sector entities, including national, regional, and local governments, and related governmental agencies.

IPSAS relate to the general purpose financial statements (financial statements) and are authoritative. IPSASB SRS relate to sustainability disclosures and are authoritative. RPGs are pronouncements that provide guidance on good practice in preparing general purpose financial reports (GPFRs) that are not financial statements. Unlike IPSAS and IPSASB SRS, RPGs do not establish requirements. [IPSASB SRS and] RPGs do not provide guidance on the level of assurance (if any) to which information should be subjected.

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REQUEST FOR COMMENTS

This Exposure Draft, *Climate-related Disclosures*, was developed and approved by the International Public Sector Accounting Standards Board® (IPSASB®).

The proposals in this Exposure Draft may be modified in light of comments received before being issued in final form. **Comments are requested by [DATE].**

Respondents are asked to submit their comments electronically through the IPSASB website, using the [“Submit a Comment”](#) link. Please submit comments in both a PDF and Word file. Also, please note that first-time users must register to use this feature. All comments will be considered a matter of public record and will ultimately be posted on the website. This publication may be downloaded from the IPSASB website: www.ipsasb.org. The approved text is published in the English language.

Objective of this Exposure Draft

The objective of this Exposure Draft is to provide principles for an entity to disclose information in its general purpose financial reports about climate-related risks and opportunities to its own operations and outcomes from its climate-related public policy programs that is useful to primary users for accountability and decision-making purposes.

Guide for Respondents

The IPSASB would welcome comments on all the matters discussed in this Exposure Draft. Comments are most helpful if they indicate the extent to which they agree to the Specific Matters for Comment (SMC), the specific paragraph or group of paragraphs to which they relate, contain a clear rationale and, where applicable, provide a suggestion for alternative wording.

The SMCs requested for the Exposure Draft are provided below.

Specific Matters for Comment

Conceptual foundations (Paragraphs B2 – B15)

SMC1. Do you agree with the proposed approach in this Exposure Draft that draws on the IPSASB *Conceptual Framework for General Purpose Financial Reporting by Public Sector Entities* (“IPSASB Conceptual Framework”) to provide the conceptual foundations for reporting climate-related disclosures? If not, what changes do you believe are needed and why?

Public sector operations and regulatory role – overall approach and leveraging private sector guidance

SMC2. Do you agree that the proposed approach in this Exposure Draft, requiring separate disclosures about a public sector entity’s own operations and its climate-related public policy programs and their outcomes, meets the information needs of primary users? If not, why not?

Own Operations

SMC3. The Exposure Draft primarily aligns disclosure requirements about an entity’s own operations with private sector guidance (IFRS S1 – *General Requirements for Disclosure of Sustainability-related Financial Information* and IFRS S2 – *Climate-related Disclosures*). Do you agree with this approach? If not, why not?

SMC4. Do you agree with the proposed definition for the public sector-specific term ‘own operations’? If not, why not?

Climate-related public policy programs

SMC5. Disclosure requirements for climate-related public policy programs in this Exposure Draft are based on the framework for private sector guidance (i.e. governance, strategy, risk management and metrics and targets). Do you agree how this framework has been applied for disclosures about climate-related public policy programs and their outcomes? If not, why not?

SMC6. Do you agree with the proposed definition for the public sector-specific term ‘public policy programs’? If not, why not?

SMC7. Do you agree that the term ‘public policy program outcomes’ sufficiently captures the impacts of public policy programs on the economy, environment and/or people? If not, what changes would you propose and why?

SMC8. Do you agree that the disclosures for public policy programs in this Exposure Draft are only required for climate-related public policy programs? If not, what changes do you believe are needed and why?

SMC9. Do you support the guidance provided to identify entities with responsibility for climate-related public policy programs which would be required to provide disclosures about the programs and their outcomes? If not, what changes would you propose?

Strategy for climate-related public policy programs (Paragraphs AG2.23–AG2.30)

SMC10. Do you agree that the disclosure requirements on ‘challenges to achieving the intended outcomes of climate-related public policy programs’ meets the information needs of primary users? If not, why not?

SMC11. Do you agree that the disclosure requirements on 'financial implications of climate-related public policy programs' are appropriate for public sector entities? If not, why not?

SMC12. Do you agree that disclosures about climate-related scenario analysis used for informing policy design should not be a requirement for disclosures about climate-related public policy programs and their outcomes? If not, why not?

Metrics and targets for own operations – Greenhouse gas emissions (Paragraphs AG1.66–AG1.116)

SMC13. Do you agree with the alignment to the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004) ("GHG Protocol") to define and measure Scope 1, Scope 2 and Scope 3 emissions for the own operations of public sector entities? If not, why not?

SMC14. The Exposure Draft proposes a rebuttable presumption that entities will use the GHG Protocol. Do you agree with the proposed rebuttable presumption? If not, which alternative approach would you propose and why.

SMC15. Do you agree with requiring disclosures of absolute gross Scope 3 emissions from public sector entities, subject to materiality? If not, which alternative approach would you propose and why?

SMC16. Do you agree that entities should exclude emissions from upstream and downstream activities of entities and/or individuals affected by their climate-related public policy program from disclosure of Scope 3 greenhouse gas emissions of an entity's own operations? If not, what alternative approach would you propose and why?

SMC17. Do you agree that the guidance on financed emissions is appropriate? If not, please suggest areas where additional guidance may be needed.

Metrics and targets for climate-related public policy programs (Paragraphs AG2.35–AG2.41)

SMC18. Do you agree that disclosing the estimated change in greenhouse gas emissions from climate-related public policy programs meets the information needs of primary users of the report? If not, why not?

SMC19. Do you agree with the principled approach of allowing entities flexibility in determining the methodology they apply for estimating change in greenhouse gas emissions from climate-related public policy programs? If not, which alternative approach would you propose and why?

SMC20. Do you agree with allowing entities flexibility in disclosing other metrics that they use to measure and monitor the performance in relation to climate-related public policy programs? If not, which metrics do you propose that an entity should report on in relation to climate-related public policy programs and why?

General requirements (Paragraphs B16–B46)

SMC21. Do you agree that the disclosure requirements proposed in the general requirements are appropriate for public sector entities? If not, which areas would you change and why?

SMC22. Do you agree that the requirements for an entity to include its climate-related disclosures in its general purpose financial reports are appropriate for public sector entities? If not, which approach would you propose and why?

SMC23. Do you agree that the requirements for an entity to report its climate-related disclosures at the same time as its related financial statements are appropriate for public sector entities? If not, which alternative approach would you propose and why?

Transition (Paragraphs 30– 33)

SMC24. Do you agree that the proposed transition provisions approach should be applicable to both own operations and climate-related public policy programs? If not, why not?

EXPOSURE DRAFT IPSASB SRS™ X, CLIMATE-RELATED DISCLOSURES

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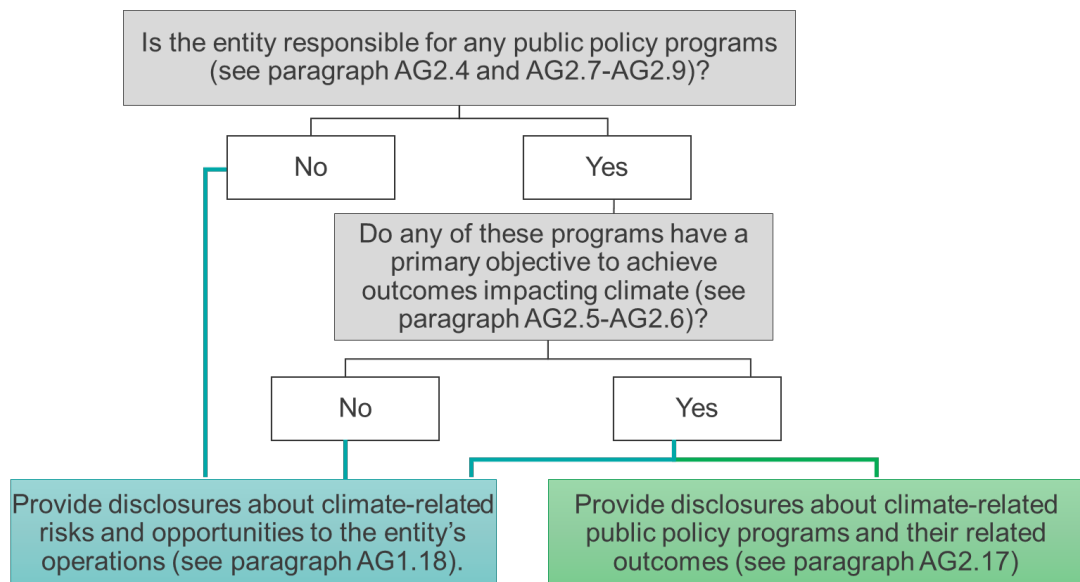
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Objective

1. The objective of this [draft] Standard is to provide principles for an entity to disclose information in its general purpose financial reports about climate-related risks and opportunities to its own operations and outcomes from its climate-related public policy programs that is useful to primary users for accountability and decision-making purposes.
2. This [draft] Standard requires an entity to disclose material information about:
 - (a) The climate-related risks and opportunities that could reasonably be expected to affect the long-term fiscal sustainability of an entity, including the long-term sustainability of the services and/or programs it delivers (for the purposes of this [draft] Standard, these are collectively referred to as “climate-related risks and opportunities to an entity’s own operations”); and
 - (b) Where an entity has responsibility for a climate-related public policy program, the outcomes that could reasonably be attributed to these, including their effects on society, the environment and economy.

Scope

3. An entity shall apply this [draft] Standard in reporting on:
 - (a) Climate-related risks to which an entity is exposed, including but not limited to physical risks and transition risks;
 - (b) Climate-related opportunities available to the entity; and
 - (c) Where an entity has responsibility for a climate-related public policy program, the outcomes from that climate-related public policy program.



4. As illustrated by the flow chart (see paragraph 3), disclosure requirements relating to climate-related risks and opportunities to an entity’s own operations are expected to be applicable for all entities. Disclosures about climate-related public policy programs and their outcomes will only be applicable for those entities that are responsible for such programs (see paragraphs AG2.7–AG2.9).

5. Climate-related risks and opportunities that could not reasonably be expected to affect the long-term fiscal sustainability of an entity, and where applicable, outcomes that could not reasonably be attributed to a climate-related public policy program, are outside the scope of this [draft] Standard.
6. An entity may apply this [draft] Standard irrespective of whether the entity's related general purpose financial statements (referred to as "financial statements") are prepared in accordance with International Public Sector Accounting Standards (IPSAS) or other generally accepted accounting principles or practices (GAAP).

Definitions

7. The following terms are used in this [draft] Standard with the meanings specified:

Carbon credit is an emissions unit that is issued by a carbon crediting program and represents an emission reduction or removal of greenhouse gases. Carbon credits are uniquely serialized, issued, tracked and cancelled by means of an electronic registry.

Climate resilience is the capacity of an entity to adjust to climate-related changes, developments or uncertainties. Climate resilience involves the capacity to manage climate-related risks and benefit from climate-related opportunities, including the ability to respond and adapt to climate-related transition risks and climate-related physical risks. An entity's climate resilience includes both its strategic resilience and its operational resilience to climate-related changes, developments and uncertainties.

Climate-related physical risks are risks resulting from climate change that can be event-driven (acute physical risk) or from longer-term shifts in climatic patterns (chronic physical risk). Acute physical risks arise from weather-related events such as storms, floods, drought or heatwaves, which are increasing in severity and frequency. Chronic physical risks arise from longer-term shifts in climatic patterns including changes in precipitation and temperature which could lead to sea level rise, reduced water availability, biodiversity loss and changes in soil productivity.

Climate-related public policy programs are public policy programs with a primary objective to achieve climate-related outcomes.

Climate-related risks refer to the potential negative effects of climate change on an entity. These risks are categorized into climate-related physical risks and transition risks.

Climate-related opportunities refer to the potential positive effects of climate change on an entity. Efforts to mitigate and adapt to climate change can produce climate-related opportunities for an entity.

Climate-related transition plan refers to aspects of an entity's overall strategy that lays out the entity's targets, actions or resources for its transition towards a lower-carbon economy, including actions such as reducing its greenhouse gas emissions.

Climate-related transition risks are risks that arise from efforts to transition to a lower-carbon economy. Transition risks include policy, legal, technological, market and reputational risks.

CO₂ equivalent is the universal unit of measurement to indicate the global warming potential of each greenhouse gas, expressed in terms of the global warming potential of one unit of carbon dioxide. This unit is used to evaluate releasing (or avoiding releasing) different greenhouse gases against a common basis.

Financed emissions are the portion of gross greenhouse gas emissions of an investee or counterparty attributed to the loans and investments made by an entity to the investee or counterparty. These emissions are part of Scope 3 Category 15 (investments) as defined in the Greenhouse Gas Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard (2011).

Global warming potential is a factor describing the radiative forcing impact (degree of harm to the atmosphere) of one unit of a given greenhouse gas relative to one unit of CO₂.

Greenhouse gases are the seven greenhouse gases listed in the Kyoto Protocol— carbon dioxide (CO₂); methane (CH₄); nitrous oxide (N₂O); hydrofluorocarbons (HFCs); nitrogen trifluoride (NF₃); perfluorocarbons (PFCs) and sulfur hexafluoride (SF₆).

Indirect greenhouse gas emissions are emissions that are a consequence of the activities of an entity, but occur at sources owned or controlled by another entity.

Internal carbon price is a price used by an entity to assess the changes to procurement processes, public policy programs, investment, production and consumption patterns, and of potential technological progress and future emissions abatement costs. An entity can use internal carbon prices for a range of applications. Two types of internal carbon prices that an entity commonly uses are:

- (a) A shadow price, which is a theoretical cost or notional amount that the entity does not charge but that can be used to understand the economic implications or trade-offs for such things as risk impacts, new investments, the net present value of projects, and the cost and benefit of various initiatives; and
- (b) An internal tax or fee, which is a carbon price charged to an operational activity, or other operating unit based on its greenhouse gas emissions (these internal taxes or fees are similar to intra-group charges).

Latest international agreement on climate change is the most recent agreement by states to combat climate change setting norms and targets for a reduction in greenhouse gases.

Long-term fiscal sustainability is the ability of an entity to meet service delivery and financial commitments, both now and in the future.

An operational model is an entity's system of transforming inputs through its activities into outputs and outcomes that aims to fulfill the entity's objectives.

Own operations include all of the activities in an entity's operational model, other than the outcomes of public policy programs.

Public policy programs are any type or set of interventions taken or mandated by a public sector entity exercising its sovereign powers to influence the decisions or behaviors of other entities or individuals.

Public policy program outcomes are the impacts on the economy, environment and/or people, which occur as a result of, or are reasonably attributable to, the public policy programs.

Scope 1 greenhouse gas emissions are direct greenhouse gas emissions that occur from sources that are owned or controlled by an entity.

Scope 2 greenhouse gas emissions are indirect greenhouse gas emissions from the generation of purchased or acquired electricity, steam, heating or cooling consumed by an

entity. Purchased and acquired electricity is electricity that is purchased or otherwise brought into an entity's boundary. Scope 2 greenhouse gas emissions physically occur at the facility where electricity is generated.

Scope 3 greenhouse gas emissions are indirect greenhouse gas emissions (not included in Scope 2 greenhouse gas emissions) that occur in the value chain of an entity, including both upstream and downstream emissions. Scope 3 greenhouse gas emissions include the Scope 3 categories in the Greenhouse Gas Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard (2011).

Scope 3 categories are 15 categories of Scope 3 greenhouse gas emissions—as described in the Greenhouse Gas Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard (2011):

- (1) Purchased goods and services;
- (2) Capital goods;
- (3) Fuel- and energy-related activities not included in Scope 1 greenhouse gas emissions or Scope 2 greenhouse gas emissions;
- (4) Upstream transportation and distribution;
- (5) Waste generated in operations;
- (6) Business travel;
- (7) Employee commuting;
- (8) Upstream leased assets;
- (9) Downstream transportation and distribution;
- (10) Processing of sold products;
- (11) Use of sold products;
- (12) End-of-life treatment of sold products;
- (13) Downstream leased assets;
- (14) Franchises; and
- (15) Investments.

A reporting entity's value chain refers to the full range of interactions, resources and relationships related to a reporting entity's *operational model* and the external environment in which it operates, including other public sector entities. A value chain encompasses the interactions, resources and relationships an entity uses and depends on to create its goods or provide services from conception to delivery, consumption and end-of-life, including interactions, resources and relationships in the entity's operations, such as human resources; those along its supply and distribution channels, such as materials and service sourcing, and service and/or product delivery; and the financing, geographical, geopolitical and regulatory environments in which the entity operates.

Governance

8. The objective of climate-related disclosures on governance is to enable primary users of general purposes financial reports to understand the governance processes, controls and procedures an entity uses to monitor, manage and oversee:
 - (a) Climate-related risks and opportunities to its own operations; and
 - (b) Climate-related public policy programs and their outcomes.
9. An entity shall disclose information about:
 - (a) The governing body(s) (which can include a board, committee or equivalent body charged with governance) or individual(s) responsible for oversight of climate-related risks and opportunities to its own operations, and, where applicable, the oversight of climate-related public policy programs and their outcomes. Specifically, the entity shall identify that body(s) or individual(s) and disclose information about:
 - (i) How responsibilities for climate-related risks and opportunities and, where applicable, climate-related public policy programs and their outcomes are reflected in the terms of reference, mandates, role descriptions and other related policies applicable to that body(s) or individual(s);
 - (ii) How the body(s) or individual(s) determines whether appropriate skills and competencies are available or will be developed to oversee strategies designed to respond to climate-related risks and opportunities to its own operations and, where applicable, oversee strategies for climate-related public policy programs and their outcomes;
 - (iii) How and how often the body(s) or individual(s) is informed about climate-related risks and opportunities and, where applicable, climate-related public policy programs and their outcomes;
 - (iv) How the body(s) or individual(s) takes into account climate-related risks and opportunities and, where applicable, climate-related public policy programs and their outcomes, when overseeing the entity's strategy, its decisions on major activities, and its risk management processes and related policies, including whether the body(s) or individual(s) has considered associated trade-offs; and
 - (v) How the body(s) or individual(s) oversees the setting of targets related to climate-related risks and opportunities and, where applicable, targets for intended outcomes of climate-related public policy programs, and monitors progress towards those targets (see paragraphs 21–24).
 - (b) Management's role in the governance processes, controls and procedures used to monitor, manage and oversee climate-related risks and opportunities and, where applicable, climate-related public policy programs and their outcomes, including information about:
 - (i) Whether the role is delegated to a specific management-level position or management-level committee and how oversight is exercised over that position or committee; and
 - (ii) Whether management uses controls and procedures to support the oversight of climate-related risks and opportunities to its own operations and, where applicable, climate-

related public policy programs and their outcomes and, if so, how these controls and procedures are integrated with other internal functions.

Strategy

10. The objective of climate-related disclosures on strategy is to enable primary users of general purpose financial reports to understand an entity's strategy for managing:

- (a) **Climate-related risks and opportunities to its own operations; and**
- (b) **Climate-related public policy programs and their outcomes.**

11. Specifically, an entity shall disclose information about its strategy for managing climate-related risks and opportunities to its own operations, including:

- (a) The climate-related risks and opportunities that could reasonably be expected to affect an entity's own operations (see paragraph AG1.22–AG1.23);
- (b) The current and anticipated effects of those climate-related risks and opportunities on the entity's operational model and value chain (see paragraph AG1.24–AG1.25);
- (c) The effects of those climate-related risks and opportunities on the entity's strategy and decision-making, including information about its climate-related transition plan (see paragraphs AG1.26–AG1.30);
- (d) The current and anticipated effects of those climate-related risks and opportunities on its financial position, financial performance and cash flows for the reporting period and over the short, medium and long term (see paragraphs AG1.31–AG1.39);
- (e) The climate resilience of the entity's strategy and operational model to climate-related changes, developments, and uncertainties (see paragraphs AG1.40–AG1.63).

12. Where applicable, an entity shall also disclose information about its strategy for climate-related public policy programs, including:

- (a) The entity's strategy and decision-making in relation to its responsibilities for climate-related public policy programs (see paragraphs AG2.23–AG2.25);
- (b) Potential challenges to achieving the intended outcomes of climate-related public policy programs (see paragraphs AG2.26–AG2.27); and
- (c) The current and anticipated financial implications of climate-related public policy programs to the entity itself (see paragraphs AG2.28–AG2.30).

Risk and Outcome Management

13. The objective of climate-related disclosures on risk and outcome management is to enable primary users of general purpose financial reports to understand an entity's processes to identify, assess, prioritize and monitor:

- (a) **Climate-related risks and opportunities to its own operations, including whether and how those processes are integrated into and inform the entity's overall risk management process; and**
- (b) **Potential challenges to the achievement of the intended outcomes of climate-related public policy programs.**

14. Specifically, an entity shall disclose information on managing climate-related risks and opportunities for its own operations, including:
- (a) The processes and related risk management policies the entity uses to identify, assess, prioritize and monitor climate-related risks to the entity's long-term fiscal sustainability (see paragraphs AG1.64–AG1.65);
 - (b) The processes the entity uses to identify, assess, prioritize and monitor climate-related opportunities, including information about whether and how the entity uses climate-related scenario analysis to inform its identification of climate-related opportunities; and
 - (c) The extent to which, and how, the processes for identifying, assessing, prioritizing and monitoring climate-related risks and opportunities are integrated into and inform the entity's overall risk management process.
15. Where applicable, an entity shall also disclose information on climate-related public policy programs to enable primary users to understand:
- (a) The processes and related internal policies the entity uses to identify, assess, prioritize and monitor potential challenges to achieving the intended outcomes of the climate-related public policy program (see paragraph AG2.31); and
 - (b) The extent to which, and how, the processes disclosed in paragraph 15(a) are integrated into and inform the entity's overall risk management process.

Metrics and Targets

16. The objective of climate-related disclosures on metrics and targets is to enable primary users of general purpose financial reports to understand an entity's performance, including progress towards any climate-related targets it has set, and any targets it is required to meet by law or regulation, in relation to:
- (a) Climate-related risks and opportunities to its own operations (see paragraphs 17–25); and
 - (b) Climate-related public policy programs and their outcomes (see paragraphs 26–27).

Climate-related metrics for own operations

17. An entity shall disclose information relevant to the following metric categories:
- (a) Greenhouse gases—the entity shall:
 - (i) Disclose its absolute gross greenhouse gas emissions generated during the reporting period, expressed as metric tons of CO₂ equivalent (see paragraphs AG1.66–AG1.70), classified as:
 - a. Scope 1 greenhouse gas emissions;
 - b. Scope 2 greenhouse gas emissions; and
 - c. Scope 3 greenhouse gas emissions;
 - (ii) Measure its greenhouse gas emissions in accordance with the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004) unless a different method for measuring its greenhouse gas emissions is determined to better meet

primary user information needs or is required by a jurisdictional authority (see paragraphs AG1.71–AG1.75);

- (iii) Disclose the approach it uses to measure its greenhouse gas emissions (see paragraphs AG1.76–AG1.77) including:
 - a. The methodology, measurement approach, inputs and assumptions the entity uses to measure its greenhouse gas emissions;
 - b. The reason why the entity has chosen the methodology, measurement approach, inputs and assumptions it uses to measure its greenhouse gas emissions; and
 - c. Any changes the entity made to the measurement approach, inputs and assumptions during the reporting period and the reasons for those changes;
- (iv) For Scope 1 and Scope 2 greenhouse gas emissions disclosed in accordance with paragraph 17(a)(i)a–(i)b, disaggregate emissions between:
 - a. The consolidated accounting group (for example, for an entity applying IPSAS, this group would comprise the parent and its controlled entities); and
 - b. Other investees excluded from paragraph 17a(iv) (for example, for an entity applying IPSAS, these investees would include associates, joint ventures and unconsolidated controlled entities);
- (v) For Scope 2 greenhouse gas emissions disclosed in accordance with paragraph 17(a)(i)b, disclose its location-based Scope 2 greenhouse gas emissions, and provide information about any contractual instruments that is necessary to inform primary users' understanding of the entity's Scope 2 greenhouse gas emissions (see paragraphs AG1.78–AG1.79); and
- (vi) For Scope 3 greenhouse gas emissions disclosed in accordance with paragraph 17(a)(i)b, and with reference to paragraphs AG1.80–AG1.106, disclose:
 - a. The categories included within the entity's measure of Scope 3 greenhouse gas emissions, in accordance with the Scope 3 categories described in the Greenhouse Gas Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard (2011); and
 - b. Additional information about the entity's Category 15 greenhouse gas emissions or those associated with its investments (financed emissions), if the entity's activities include financial services and investing (see paragraphs AG1.105–AG1.106).
- (b) Climate-related transition risks—the amount and percentage of operating activities or assets vulnerable to climate-related transition risks;
- (c) Climate-related physical risks—the amount and percentage of operating activities or assets vulnerable to climate-related physical risks;
- (d) Climate-related opportunities—the amount and percentage of operating activities or assets aligned with climate-related opportunities;
- (e) Internal carbon prices—the entity shall disclose, with reference to paragraphs AG1.109–AG1.110;

- (i) An explanation of whether and how the entity is applying a carbon price in decision-making (for example, in procurement processes and decisions);
 - (ii) A description of how the entity determines the carbon price; and
 - (iii) The price for each metric ton of greenhouse gas emissions the entity uses to assess the costs of its greenhouse gas emissions.
- (f) Remuneration— if any climate-related considerations are directly factored into remuneration of key management personnel, the entity shall disclose:
 - (i) The amount of remuneration to key management personnel recognized in the current period that is linked to climate-related considerations; and
 - (ii) A description of how this amount is determined (see also paragraph 9(a)(v)).
- 18. In preparing disclosures to meet the requirements in paragraph 17(b)–17(d), an entity shall use all reasonable and supportable information that is available to the entity at the reporting date without undue cost or effort.
- 19. In preparing disclosures to meet the requirements in paragraph 17(b)–17(f), an entity shall refer to paragraphs AG1.107–AG1.110.
- 20. An entity shall disclose peer metrics that are associated with one or more particular operational models, activities or other common features that are similar to other entities such as similar categories of functions of government. In determining the peer metrics that the entity discloses, the entity may consider the applicability of existing industry-based metrics such as those associated with disclosure topics described in the Industry-based Guidance on Implementing IFRS S2 or the GRI Sector Standards.

Climate-related targets for own operations

- 21. An entity shall disclose the quantitative and qualitative climate-related targets it has set to monitor progress towards achieving its strategic goals, and any targets it is required to meet by law or regulation, including any greenhouse gas emissions targets. For each target, the entity shall disclose:
 - (a) The metric used to set the target (see paragraphs AG1.111–AG1.112);
 - (b) The objective of the target (for example, mitigation, adaptation or conformance with science-based initiatives);
 - (c) The scope to which the target applies (for example, whether the target applies to the entirety of the entity or only a part of the entity, such as a specific operating unit or specific geographical region);
 - (d) The period over which the target applies;
 - (e) The base period from which progress is measured;
 - (f) Any milestones and interim targets;
 - (g) If the target is quantitative, whether it is an absolute target or an intensity target; and
 - (h) How the latest international agreement on climate change, including jurisdictional commitments that arise from that agreement, has informed the target.

22. An entity shall disclose information about its approach to setting and reviewing each target, and how it monitors progress against each target, including:
 - (a) A description of any validation process employed in setting the target and the methodology;
 - (b) The entity's processes for reviewing the target;
 - (c) The metrics used to monitor progress towards reaching the target; and
 - (d) Any revisions to the target and an explanation for those revisions.
23. An entity shall disclose information about the performance against each climate-related target and an analysis of its trends or changes.
24. For each greenhouse gas emissions target disclosed in accordance with paragraphs 21–23, an entity shall disclose:
 - (a) Which greenhouse gases are covered by the target;
 - (b) Whether Scope 1, Scope 2 or Scope 3 greenhouse gas emissions are covered by the target;
 - (c) Whether the target is a gross greenhouse gas emissions target or net greenhouse gas emissions target. If the entity discloses a net greenhouse gas emissions target, the entity is also required to separately disclose its associated gross greenhouse gas emissions target (see paragraphs AG1.113–AG1.114);
 - (d) Whether the target was derived using a sectoral decarbonization approach;
 - (e) The entity's planned use of carbon credits, if any, to offset greenhouse gas emissions to achieve any net greenhouse gas emissions target. In explaining its planned use of carbon credits the entity shall disclose information including, and with reference to paragraphs AG1.115–AG1.116:
 - (i) The extent to which, and how, achieving any net greenhouse gas emissions target relies on the use of carbon credits;
 - (ii) Which third-party scheme(s) will verify or certify the carbon credits, if any;
 - (iii) The type of carbon credit, including whether the underlying offset will be nature-based or based on technological carbon removals, and whether the underlying offset is achieved through carbon reduction or removal; and
 - (iv) any other factors necessary for primary users of general purpose financial reports to understand the credibility and integrity of the carbon credits the entity plans to use (for example, assumptions regarding the permanence of the carbon offset).
25. In identifying and disclosing the metrics used to set and monitor progress towards reaching a target described in paragraphs 21–24, an entity shall refer to and consider the applicability of peer metrics (see paragraph 20), or metrics that otherwise satisfy the requirements in this [draft] Standard.

Metrics for climate-related public policy programs

26. Where an entity has responsibility for a climate-related public policy program, the entity shall disclose information relevant to the following metric categories:
 - (a) Greenhouse gases—the entity shall disclose information including:

- (i) The estimated change in greenhouse gas emissions resulting from climate-related public policy programs; and
- (ii) The approach, inputs and assumptions it uses to measure the estimated change in greenhouse gas emissions resulting from climate-related public policy programs as disclosed in 26(a)(i) (see paragraphs AG2.33–AG2.36);
- (b) Other metrics—the entity shall disclose information including:
 - (i) Other metrics the entity uses to measure and monitor the performance in relation to its climate-related public policy (see paragraphs AG2.37–AG2.38); and
 - (ii) The approach, inputs and assumptions it uses to measure the metric as disclosed in 26(b)(i) (see paragraphs AG2.39–AG2.41).

Targets for intended outcomes of climate-related public policy programs

27. Where an entity has responsibility for a climate-related public policy program, the entity shall also disclose the information required in paragraphs 21–23 in relation to the targets it has set to monitor progress towards achieving intended outcomes of the climate-related public policy program, including targets made under the latest international agreements on climate change or other jurisdictional commitments.

Effective Date

28. An entity shall apply this [draft] Standard for annual reporting periods beginning on or after 1 January [YYYY]. Earlier application is permitted. If an entity applies this [draft] Standard earlier, it shall disclose that fact.
29. For the purposes of applying paragraphs 30–32, the date of adoption is the beginning of the annual reporting period in which an entity first applies this [draft] Standard.

Transition

30. An entity is not required to provide the disclosures specified in this [draft] Standard for any period before the date of adoption. Accordingly, an entity is not required to disclose comparative information in the first annual reporting period in which it applies this [draft] Standard.
31. In the first annual reporting period in which an entity applies this [draft] Standard, the entity is permitted to use the below relief:
- (a) The entity is permitted to report its climate-related disclosures after it publishes its related financial statements, within nine months of the end of the annual reporting period in which the entity first applies this [draft] Standard;
 - (b) An entity is not required to disclose its Scope 3 greenhouse gas emissions (see paragraph 17(a)(i)c); and
 - (c) An entity is not required to disclose the change in greenhouse gas emissions from climate-related public policy programs that were in place on the date of adoption of the [draft] Standard (see paragraph 26(a)).
32. An entity may elect an earlier date of adoption without a transition period.

33. If an entity elects to apply the relief in paragraph 30, the entity is permitted to continue to use that relief for the purposes of presenting that information as comparative information in subsequent reporting periods.

Appendix A1: Application Guidance – Own Operations

This Appendix is an integral part of [draft] IPSAS [X] (ED XX).

Scope and definitions (see paragraphs 3–6)

- AG1.1. Paragraph 3 requires disclosures about the climate-related risks and opportunities to an entity's own operations and disclosures about climate-related public policy programs and their outcomes.
- AG1.2. This Appendix A1: Application Guidance – Own Operations provides requirements and guidance in relation to those climate-related risks and opportunities to an entity's own operations. Per paragraph 3, these requirements and guidance are expected to be relevant to all public sector entities.

Entity's own operations

AG1.3. Public sector entities provide a broad range of services for service recipients in the public interest, including:

- (a) Service design and delivery;
- (b) Information and education;
- (c) Compliance and enforcement;
- (d) Monitoring and evaluation; and
- (e) Public policy program advice, design, implementation and monitoring.

AG1.4. There may be instances where these activities overlap. In other cases, there may be further complications, where an entity has activities relating to multiple areas such as buildings and energy, with differing roles and responsibilities across policy domains.

AG1.5. Many public sector entities have their activities, objectives/mandates and authority prescribed by statute. This limits the entity's own ability to alter its activities, objectives and/or mandate, and may require coordination with other public sector entities and decision-makers to achieve change.

AG1.6. Generally, more centralized entities develop public policy programs and less centralized entities deliver services and implement public policy programs, which are often developed by others. Entities with responsibility for public policy programs would include their own activities in reporting on their own operations while information about the climate-related public policy program and their outcomes would be reported in accordance with the principles in Appendix A2 – Application Guidance – Climate-related Public Policy Programs.

Climate-related risks and opportunities to an entity's own operations

AG1.7. Climate-related risks and opportunities can materialize through any of the activities of a public sector entity, including service delivery and responsibilities for public policy programs. Disclosures about climate-related risks and opportunities to an entity's own operations should be guided by the information needs of its primary users which would reflect the entity's context, its public interest mandate and responsibilities (see paragraphs B.AG1–B.AG56).

AG1.8. Identification of climate-related risks and opportunities inform an entity's response to such risks and opportunities in the context of ensuring its long-term fiscal sustainability. Long-term fiscal sustainability includes an entity's continued ability to fulfill its objectives, including to meet its

service commitments and is dependent on the capacity and vulnerability of its services, revenues and debts.

AG1.9. The climate-related risks that an entity may face include physical risks and transition risks associated with the transition to a lower-carbon economy. Climate-related physical risks can be:

- (a) Acute – driven by events such as storms, precipitation or temperatures; or
- (b) Chronic – resulting from longer-term factors such as an increase in mean temperatures, shifts in precipitation patterns or rising sea levels. Chronic risks could also have longer-term consequence for entities.

AG1.10. Transition risks are associated with policy, legal, technology and market changes resulting from efforts to limit global warming and move to a lower carbon economy.

AG1.11. An entity may pursue adaptation responses, such as investing in infrastructure, to address climate-related physical risks; and may pursue mitigation responses, such as adopting new technologies to reduce its greenhouse gas emissions, to address climate-related transition risks.

AG1.12. An entity may also pursue climate-related opportunities, such as developing new services to meet shifting service recipient needs. Climate-related risks and opportunities are distinct but not always mutually exclusive.

AG1.13. An entity's climate-related risks and opportunities arise out of the interactions between the entity and its stakeholders, society, the economy, and the natural environment throughout the entity's value chain. These interactions, which can be direct and indirect – result from an entity's operations in pursuit of its objectives and from the external environment in which the entity operates. These interactions take place within an interdependent system in which an entity both depends on resources and relationships throughout its value chain and affects those resources and relationships through its activities—contributing to the preservation, regeneration and development of those resources and relationships or to their degradation and depletion. These dependencies and impacts may give rise to climate-related risks and opportunities that could reasonably be expected to affect an entity's long-term fiscal sustainability.

AG1.14. Resources and relationships that an entity depends on and affects by its activities and outputs can take various forms, such as natural, manufactured, intellectual, human, social or financial. They can be internal—such as the entity's workforce, its know-how or its organizational processes—or they can be external—such as funding and services the entity needs to access or the relationships it has with resource providers, distributors and beneficiaries. Furthermore, resources and relationships include, but are not limited to, the resources and relationships recognized as assets in the entity's financial statements.

AG1.15. In applying this [draft] Standard and understanding its climate-related risks and opportunities, it is important that an entity consider other entities along its value chain, which may give rise to climate-related risks and opportunities for the entity itself. For example, a public transport authority with a target to reduce greenhouse gas emissions along its value chain should consider the climate-related strategy of its service providers, as failure to meet its target could lead to enhanced regulatory and reputational risk.

AG1.16. Due to the interconnected nature of resources and relationships in the public sector, an entity often:

- (a) Depends on other public sector entities, for example for funding and policy design, implementation and/or monitoring; or
- (b) Is affected by the activities of other public sector entities, such as being delegated responsibility for implementing public policy programs and achieving targets set by senior levels of government.

AG1.17. Therefore, public sector entities may face particular challenges in managing climate-related risks and opportunities and delivering their mandates such as:

- (a) Policy leadership risk – the risk of inconsistent strategies across levels of government to achieve net zero or insufficient funding or support for entities to implement policies;
- (b) Accountability risk – the lack of clear roles and responsibilities on how entities contribute to regional, national or subnational climate commitments and targets; or
- (c) Coordination and delivery risk – the failure to collaborate effectively across entities responsible for public policy programs to address system-wide challenges.

Disclosures on climate-related risks and opportunities to an entity's own operations

AG1.18. Entities shall provide climate-related disclosures to enable primary users of general purpose financial reports to understand the entity's:

- (a) Governance processes, controls and procedures an entity uses to monitor, manage and oversee its climate-related risks and opportunities (see paragraph 9 and AG1.20–AG1.21);
- (b) Strategy for managing climate-related risks and opportunities (see paragraph 11 and AG1.22–AG1.63);
- (c) Processes to identify, assess, prioritize and monitor its climate-related risks and opportunities (see paragraph 14 and AG1.64–AG1.65); and
- (d) Performance, including progress towards any climate-related targets it has set, and any targets it is required to meet by law or regulation, in relation to its climate-related risks and opportunities (see paragraphs 17–25 and AG1.66–AG1.116).

AG1.19. Entities may refer to Appendix B: General Requirements for Climate-related Disclosures paragraphs B.AG1–B.AG55 for further guidance on identifying climate-related risks and opportunities and material information for disclosure.

Governance (see paragraph 9)

AG1.20. Public sector governance structures vary considerably between and across jurisdictions. However, all are designed to provide oversight to an entity's operations. For some entities, their climate-related strategy may be driven by another public sector entity such as senior levels of governments or ministries. An entity's own governing body, one from another entity or a specially convened cross-government group, may provide oversight of the implementation of such externally determined climate-related public policy programs. In the public sector, it is generally rare for governance to be the responsibility of a single individual. An entity shall disclose its governance arrangements as required in paragraph 9(a).

AG1.21. If no group(s) or individual(s) has responsibility for oversight of particular climate-related risks and opportunities, then this should be disclosed.

Strategy (see paragraph 11)*Climate-related risks and opportunities*

AG1.22. Paragraph 11(a) requires an entity to disclose information that enables primary users of general purpose financial reports to understand the entity's climate-related risks and opportunities to its own operations. Specifically, the entity shall:

- (a) Describe climate-related risks and opportunities that could reasonably be expected to affect the entity's prospects;
- (b) Explain, for each climate-related risk the entity has identified, whether the entity considers the risk to be a climate-related physical risk or climate-related transition risk;
- (c) Specify, for each climate-related risk and opportunity the entity has identified, over which time horizons—short, medium or long term—the effects of each climate-related risk and opportunity could reasonably be expected to occur; and
- (d) Explain how the entity defines “short term”, “medium term” and “long term” and how these definitions are linked to the planning horizons used by the entity for strategic decision-making.

AG1.23. Short-, medium- and long- term time horizons can vary between entities and depend on many factors, including the planning horizons typically used for strategic decision-making and capital allocation plans, and the time horizons over which primary users of general purpose financial reports conduct their assessments.

Current and anticipated effects on the entity's operational model and value chain

AG1.24. Paragraph 11(b) requires an entity to disclose information on the current and anticipated effects of climate-related risks and opportunities on the entity's operational model and value chain. Specifically, an entity shall disclose:

- (a) A description of the current and anticipated effects of climate-related risks and opportunities on the entity's operational model and value chain; and
- (b) A description of where in the entity's operational model and value chain climate-related risks and opportunities are concentrated (for example, geographical areas, types of assets, types of public sector entities or private sector entities, or groups of individuals).

AG1.25. The current and anticipated effects of climate-related risks and opportunities includes those related to:

- (a) Climate-related physical risks that have affected or potentially may affect the entity's operations such as disruptions to service delivery due to adverse weather events. Climate-related physical risks could carry financial implications for an entity, such as costs resulting from direct damage to public assets and infrastructure, indirect effects of supply-chain disruption, or rising sea levels for coastal communities. The entity's long-term fiscal sustainability could also be affected by factors such as changes in water availability, sourcing and quality, or extreme temperature changes affecting the entity's premises, operations, supply chains, transportation needs and employee health and safety. Climate-related physical risks can also have economic or social implications, such as the disruption of essential services from extreme weather events; and

- (b) Climate-related transition risks could carry financial implications for an entity, such as increased operating costs or asset impairment due to new or amended climate-related policies. The entity's long term fiscal sustainability could also be affected by shifting needs of service recipients and the development and deployment of new technology. For example, a transport authority may face increased costs for replacing its fleet with electric buses. Climate-related transition risks can also have economic or social implications, such as the displacement of employees resulting from the decommissioning of non-renewable energy infrastructure.
- (c) Climate-related opportunities may include an increased efficiency in the use of resources, the adoption of clean energy sources or new technologies, and the development of climate adaptation solutions.

Strategy and decision-making

AG1.26. Paragraph 11(c) requires an entity to disclose information that enables primary users of general purpose financial reports to understand the effects of climate-related risks and opportunities on its strategy and decision-making. This includes:

- (a) Information about how the entity has responded to, and plans to respond to, climate-related risks and opportunities in its strategy and decision-making, including how the entity plans to achieve any climate-related targets it has set and any targets it is required to meet by law or regulation. Specifically, the entity shall disclose information about:
 - (i) Current and anticipated changes to the entity's operational model, including its resource allocation, to address climate-related risks and opportunities (for example, these changes could include plans to manage or decommission carbon-, energy- or water-intensive operations; resource allocations resulting from demand or supply-chain changes; resource allocations arising from operations development through capital expenditure or additional expenditure on research and development; and acquisitions or divestments);
 - (ii) Current and anticipated direct mitigation and adaptation efforts (for example, through changes in operational processes or equipment, relocation of activities, workforce adjustments, and changes in services);
 - (iii) Current and anticipated indirect mitigation and adaptation efforts (for example, through working with service recipients and supply chains); and
 - (iv) Any climate-related transition plan the entity has, including information about key assumptions used in developing its transition plan, and dependencies on which the entity's transition plan relies.
 - (v) How the entity plans to achieve any climate-related targets, including any greenhouse gas emissions targets in relation to its own operations described in accordance with paragraphs 21–25;
- (b) Information about how the entity is resourcing, and plans to resource, the activities disclosed in accordance with paragraph AG1.26(a);
- (c) Quantitative and qualitative information about the progress of plans disclosed in previous reporting periods in accordance with paragraph AG1.25(a). Current and anticipated changes to the entity's operational model, including its resource allocation, to address climate-related

risks and opportunities (for example, these changes could include plans to manage or decommission carbon-, energy- or water-intensive operations; resource allocations resulting from demand or supply-chain changes; resource allocations arising from operations development through capital expenditure or additional expenditure on research and development; and acquisitions or divestments);

- AG1.27. In the public sector, climate-related strategies may be set by senior levels of government at regional or national levels, in many cases, to contribute to meeting the requirements of the latest international agreement on climate change.
- AG1.28. Such strategies may be implemented by multiple entities. When entities need to comply with policies set by higher levels of government, they will need to incorporate these into their own strategies.
- AG1.29. Entities may also develop their own strategies to manage climate-related risks to service delivery and/or benefit from climate-related opportunities that support the entity's mandate and service objectives. An entity's strategy will vary depending on its role and responsibilities. For example:
- (a) A tax authority may contribute to climate-related public policy programs through its collection of carbon taxes through paperless communications;
 - (b) A police force may have mitigation plans to reduce greenhouse gas emission by replacing its fleet of vehicles with electric vehicles; and
 - (c) A local government may build infrastructure to address rising sea levels as part of its climate adaptation efforts.
- AG1.30. Strategy and decision making in the public sector may also be affected by changes in governments and/or other policies. Therefore, medium and long-term risk management will require clearly articulated strategies that can be flexed as circumstances change.

Financial position, financial performance and cash flows

- AG1.31. Climate-related physical and transition risks may have direct financial effects on an entity's financial position, financial performance and cash flows.
- AG1.32. Paragraph 11(d) requires an entity to disclose information that enables primary users of general purpose financial reports to understand:
- (a) The effects of climate-related risks and opportunities on the entity's financial position, financial performance and cash flows for the reporting period (current financial effects); and
 - (b) The anticipated effects of climate-related risks and opportunities on the entity's financial position, financial performance and cash flows over the short, medium and long term, taking into consideration how climate-related risks and opportunities are included in the entity's financial planning (anticipated financial effects).
- AG1.33. Specifically, an entity shall disclose quantitative and qualitative information about:
- (a) How climate-related risks and opportunities have affected its financial position, financial performance and cash flows for the reporting period;
 - (b) The climate-related risks and opportunities identified in paragraph AG1.33(a) for which there is a significant risk of a material adjustment within the next annual reporting period to the carrying amounts of assets and liabilities reported in the related financial statements;

- (c) How the entity expects its financial position to change over the short, medium and long term, given its strategy to manage climate-related risks and opportunities, taking into consideration:
 - (i) Its investment and disposal plans (for example, plans for capital expenditure, major infrastructure developments, acquisitions and divestments, transformation of operations, innovation, new public-private partnerships, and asset retirements), including plans the entity is not contractually committed to; and
 - (ii) Its planned sources of funding to implement its strategy (see paragraph AG1.34); and
- (d) How the entity expects its financial performance and cash flows to change over the short, medium and long term, given its strategy to manage climate-related risks and opportunities (for example, increased revenue from tax legislation aligned with a lower-carbon economy; or costs arising from physical damage to assets from climate events).

AG1.34. Public sector entities' resources are predominantly provided by taxpayers, transfers from different levels of government or external lenders such as bond holders. An entity's disclosures in accordance with paragraph 11(d) shall enable primary users of general purpose financial reports to understand the capacity and financial planning of an entity to continue to fund its activities and to meet its operational objectives, climate-related strategy and targets, including its sources of funding and the extent to which it is dependent on each.

AG1.35. In providing quantitative information, an entity may disclose a single amount or a range.

AG1.36. In preparing disclosures about the anticipated financial effects of a climate-related risk or opportunity an entity shall:

- (a) Use all reasonable and supportable information that is available to the entity at the reporting date without undue cost or effort; and
- (b) Use an approach that is commensurate with the skills, capabilities and resources that are available to the entity for preparing those disclosures.

AG1.37. An entity need not provide quantitative information about the current or anticipated financial effects of a climate-related risk or opportunity if the entity determines that:

- (a) Those effects are not separately identifiable; or
- (b) The level of measurement uncertainty involved in estimating those effects is so high that the resulting quantitative information would not be useful.

AG1.38. In addition, an entity need not provide quantitative information about the anticipated financial effects of a climate-related risk or opportunity if the entity does not have the skills, capabilities or resources to provide that quantitative information.

AG1.39. If an entity determines that it need not provide quantitative information about the current or anticipated financial effects of a climate-related risk or opportunity applying the criteria set out in paragraphs 11(d), the entity shall:

- (a) Explain why it has not provided quantitative information;
- (b) Provide qualitative information about those financial effects, including identifying line items, totals and subtotals within the related financial statements that are likely to be affected, or have been affected, by that climate-related risk or opportunity; and

- (c) Provide quantitative information about the combined financial effects of that climate-related risk or opportunity with other climate-related risks or opportunities and other factors unless the entity determines that quantitative information about the combined financial effects would not be useful.

Climate resilience

AG1.40. Paragraph 11(e) requires an entity to disclose information that enables primary users of general purpose financial reports to understand the resilience of the entity's strategy and operational model to climate-related changes, developments and uncertainties, taking into consideration the entity's identified climate-related risks and opportunities. The entity shall use climate-related scenario analysis to assess climate resilience using an approach that is commensurate with the entity's circumstances. In providing quantitative information, the entity may disclose a single amount or a range. Specifically, the entity shall disclose:

- (a) The entity's assessment of the climate resilience of its strategy and operational model programs as at the reporting date, which shall enable primary users of general purpose financial reports to understand:
- (b) The implications, if any, of the entity's assessment for its strategy and operational model, including how the entity would need to respond to the effects identified in the climate-related scenario analysis;
- (c) The significant areas of uncertainty considered in the entity's assessment of its climate resilience;
 - (i) The entity's capacity to adjust or adapt its strategy and operational model to climate change over the short, medium and long term, including;
 - a. The availability of, and flexibility in, the entity's existing financial resources to respond to the effects identified in the climate-related scenario analysis, including to address climate-related risks and to take advantage of climate-related opportunities;
 - b. The entity's ability to redeploy, repurpose, upgrade or decommission existing assets; and
 - c. The effect of the entity's current and planned investments in climate-related mitigation, adaptation and opportunities for climate resilience; and
- (d) How and when the climate-related scenario analysis was carried out, including:
 - (i) Information about the inputs the entity used, including:
 - a. Which climate-related scenarios the entity used for the analysis and the sources of those scenarios;
 - b. Whether the analysis included a diverse range of climate-related scenarios;
 - c. Whether the climate-related scenarios used for the analysis are associated with climate-related transition risks or climate-related physical risks;
 - d. Whether the entity used, among its scenarios, a climate-related scenario aligned with the latest international agreement on climate change;

- e. Why the entity decided that its chosen climate-related scenarios are relevant to assessing its resilience to climate-related changes, developments or uncertainties;
- f. The time horizons the entity used in the analysis; and
- g. What scope of operations the entity used in the analysis (for example, the operational locations and services included in the analysis);

(ii) The key assumptions the entity made in the analysis, including assumptions about:

- a. Climate-related policies in the jurisdictions in which the entity operates;
- b. Macroeconomic trends;
- c. National- or regional-level variables (for example, local weather patterns, demographics, land use, infrastructure and availability of natural resources);
- d. Energy usage and mix; and
- e. Developments in technology; and

(iii) The reporting period in which the climate-related scenario analysis was carried out (see paragraph AG1.44).

AG1.41. In preparing disclosures to meet the requirements in paragraph 11, an entity may refer to and consider the applicability of peer metrics associated with related disclosure topics.

AG1.42. An entity shall use an approach that is commensurate with its circumstance to perform climate-related scenario analysis in assessing its climate resilience. The entity is required to use an approach to climate-related scenario analysis that enables it to consider all reasonable and supportable information that is available to the entity at the reporting date without undue cost or effort. Paragraphs AG1.43–AG1.63 provide guidance on how an entity uses scenario analysis to assess the entity's climate resilience. Specifically:

- (a) Paragraphs AG1.43–AG1.50 set out the factors the entity shall consider when assessing its circumstances;
- (b) Paragraphs AG1.51–AG1.60 set out the factors the entity shall consider when determining an appropriate approach to climate-related scenario analysis; and
- (c) Paragraphs AG1.61–AG1.63 set out additional factors for the entity to consider when determining its approach to climate-related scenario analysis over time.

Assessing the circumstances

AG1.43. An entity shall use an approach to climate-related scenario analysis that is commensurate with its circumstances as at the time the entity carries out its climate-related scenario analysis (see paragraph AG1.44). To assess its circumstances the entity shall consider:

- (a) The entity's exposure to climate-related risks and opportunities (see paragraphs AG1.45–AG1.46); and
- (b) The skills, capabilities and resources available to the entity for the climate-related scenario analysis (see paragraphs AG1.47–AG1.50).

AG1.44. An entity shall assess its circumstances each time it carries out its climate-related scenario analysis. For example, an entity that carries out its climate-related scenario analysis every three

years to align with its strategic planning cycle (see paragraph AG1.63) would be required to reconsider for this purpose its exposure to climate-related risks and opportunities and the skills, capabilities and resources available at that time.

Exposure to climate-related risks and opportunities

- AG1.45. An entity shall consider its exposure to climate-related risks and opportunities in its assessment of its circumstances and when determining the approach to use for its climate-related scenario analysis. This consideration provides essential context for determining which risks are included in the assessment, designing the scenario analysis, and understanding the potential benefits of using a particular approach to climate-related scenario analysis. For example, if an entity has a high degree of exposure to climate-related risk then a more quantitative or technically sophisticated approach to climate-related scenario analysis would be of greater benefit to the entity and primary users of general purpose financial reports. Primary users of general purpose financial reports would be less likely to benefit from quantitative or technically sophisticated climate-related scenario analysis if the entity is exposed to few or relatively less severe climate-related risks and opportunities. This means that—with all else being equal—the greater the entity's exposure to climate-related risks or opportunities, the more likely it is the entity would determine that a more technically sophisticated form of climate-related scenario analysis is required.
- AG1.46. This [draft] Standard requires an entity to identify the climate-related risks and opportunities to which it is exposed (see paragraph 11(a)) and to disclose information about the process the entity uses to identify, assess, prioritize and monitor those risks and opportunities (see paragraph 14). The information the entity discloses in accordance with these paragraphs can inform the entity's consideration of its exposure to climate-related risks and opportunities.

Skills, capabilities and resources available

- AG1.47. An entity shall consider the available skills, capabilities and resources when determining an appropriate approach to use for its climate-related scenario analysis. These skills, capabilities and resources might include both internal and external skills, capabilities and resources. The entity's available skills, capabilities and resources provide context to inform its consideration of the potential cost and level of effort required by a particular approach to climate-related scenario analysis. For example, if an entity has only just begun to explore the use of climate-related scenario analysis to assess its climate resilience, it might be unable to use a quantitative or technically sophisticated approach to climate-related scenario analysis without undue cost or effort. For the avoidance of doubt, if resources are available to the entity then it will be able to invest in obtaining or developing the necessary skills and capabilities.
- AG1.48. Climate-related scenario analysis can be resource intensive and might—through an iterative learning process—be developed and refined over multiple planning cycles. As an entity repeats the climate-related scenario analysis, it is likely to develop skills and capabilities that will enable the entity to strengthen its approach to climate-related scenario analysis over time. For example, if an entity has not yet used climate-related scenario analysis or participates in a function of government where climate-related scenario analysis is not commonly used, the entity might need more time to develop its skills and capabilities. In contrast, where climate-related scenario analysis is an established practice in its role or function of government, it would be expected to have strengthened skills and capabilities through its experience.

- AG1.49. Entities may leverage climate-related scenario analysis performed by other public sector entities, such as higher levels of government, where the entity has a reasonable and supportable basis for using the other entity's analysis. Entities may also consider whether any additional entity-specific analysis is needed. For example, a town that is part of a larger county may determine that the scenario analysis performed by the county is relevant for analysis of its own climate resilience given the geography and similar climate-related risks and opportunities faced. However, the town may be removed from the county's waterfront and therefore exclude considerations about sea level rise.
- AG1.50. An entity might have a different reporting period from some or all of the entities that it leverages for climate-related scenario analysis purposes. In other cases, climate-related scenario analysis may not be performed annually due to the available resources, skills and capabilities. In such circumstances, the entity is permitted to refer to climate-related scenario analysis for reporting periods that are different from its own reporting period if that information is obtained from entities in its value chain with reporting periods that are different from the entity's reporting period, on the condition that:
- (a) The entity uses the most recent climate-related scenario analysis available; and
 - (b) The entity discloses the effects of significant events and changes in circumstances (relevant to its climate-related scenario analysis) that occur between the climate-related scenario analysis and the date of the entity's general purpose financial reports.

Determining the appropriate approach

- AG1.51. An entity shall determine an approach to climate-related scenario analysis that enables it to consider all reasonable and supportable information that is available to the entity at the reporting date without undue cost or effort. The determination of the approach shall be guided by the assessments of the entity's exposure to climate-related risks and opportunities (see paragraphs AG1.45–AG1.46) and its available skills, capabilities and resources (see paragraphs AG1.47–AG1.50). Making such a determination involves:
- (a) Selecting inputs to the climate-related scenario analysis (see paragraphs AG1.54–AG1.58); and
 - (b) Making analytical choices about how to carry out the climate-related scenario analysis (see paragraphs AG1.59–AG1.60).
- AG1.52. Reasonable and supportable information includes information about past events, current conditions and forecasts of future conditions. It also includes quantitative or qualitative information, and information that is obtained from an external source or owned or developed internally.
- AG1.53. An entity will need to use judgement to determine the mix of inputs and analytical choices that will enable the entity to consider all reasonable and supportable information that is available to the entity at the reporting date without undue cost or effort. The degree of judgement that is required depends on the availability of detailed information. As the time horizon increases and the availability of detailed information decreases, the degree of judgement required increases.

Selecting inputs

- AG1.54. When an entity selects the inputs to use in its climate-related scenario analysis, the entity shall consider all reasonable and supportable information—including scenarios, variables and other inputs—available to the entity at the reporting date without undue cost or effort. The inputs used in scenario analysis might include information that is qualitative or quantitative, and is obtained from an external source or developed internally. For example, publicly available climate-related scenarios—from authoritative sources—that describe future trends and a range of pathways to plausible outcomes are considered to be available to the entity without undue cost or effort.
- AG1.55. When selecting scenarios, variables and other inputs to use in climate-related scenario analysis, an entity might, for example, use one or more climate-related scenarios—including international and regional scenarios—that are publicly or freely available from authoritative sources or performed by senior levels of government. The entity shall have a reasonable and supportable basis for using a particular scenario or set of scenarios and shall consider the applicability of climate-related scenarios performed by other public sector entities to the entity's own circumstances.
- AG1.56. In considering whether the selected inputs are reasonable and supportable, an entity shall consider the objective of paragraph 11(e), which requires the entity to disclose information that enables primary users of general purpose financial reports to understand the resilience of the entity's strategy and operational model to climate-related changes, developments and uncertainties, taking into consideration the entity's identified climate-related risks and opportunities. This means that the inputs to the entity's climate-related scenario analysis shall be relevant to the entity's circumstances, for example, to the particular activities the entity undertakes and the geographical location of those activities.
- AG1.57. For some analyses, such as current and anticipated financial effects and climate-related scenario analyses, an entity may be required to provide or determine inputs based on forward looking information, which may include policy assumptions.
- AG1.58. Projections are likely to be most useful when based on current policy assumptions as opposed to future policy, unless:
- (a) There is a conflict between current policy and legal obligations; and
 - (b) Where current legislation or regulation has a termination date, such as "sunset provisions".

Making analytical choices

- AG1.59. An entity's resilience assessment will be guided not only by the individual inputs to its climate-related scenario analysis, but also by the information it develops in combining those inputs to carry out the analysis. The entity shall prioritize the analytical choices (for example, whether to use qualitative analysis or quantitative modelling) that will enable it to consider all reasonable and supportable information that is available to the entity at the reporting date without undue cost or effort. For example, if an entity is able—without undue cost or effort—to incorporate multiple carbon price pathways associated with a given outcome (for example, a 1.5 degree Celsius outcome), this analysis is likely to strengthen the entity's resilience assessment, assuming such an approach is warranted by the entity's risk exposure.
- AG1.60. Quantitative information will often enable an entity to carry out a more robust assessment of its climate resilience. However, qualitative information (including scenario narratives), either alone

or combined with quantitative data, can also provide a reasonable and supportable basis for the entity's resilience assessment.

Additional considerations

- AG1.61. Climate-related scenario analysis is an evolving practice and, therefore, the approach that an entity uses is likely to change over time. As described in paragraphs AG1.43–AG1.50, the entity shall determine its approach to climate-related scenario analysis based on its particular circumstances, including the entity's exposure to climate-related risks and opportunities and the skills, capabilities and resources available for the scenario analysis. Those circumstances are also likely to change over time. Therefore, the entity's approach to climate-related scenario analysis need not be the same from one reporting period or strategic planning cycle to the next (see paragraph AG1.63).
- AG1.62. An entity might use a simpler approach to climate-related scenario analysis, such as qualitative scenario narratives, if such an approach is appropriate to the entity's circumstances. For example, if an entity does not currently have the skills, capabilities or resources to carry out quantitative climate-related scenario analysis but has a high degree of exposure to climate-related risk, the entity might initially use a simpler approach to climate-related scenario analysis, but would build its capabilities through experience and, therefore, would apply a more advanced quantitative approach to climate-related scenario analysis over time. An entity with a high degree of exposure to climate-related risks and opportunities, and with access to the necessary skills, capabilities or resources, is required to apply a more advanced quantitative approach to climate-related scenario analysis.
- AG1.63. Although paragraph AG1.40 requires an entity to disclose information about its climate resilience at each reporting date, the entity might carry out its climate-related scenario analysis in line with its strategic planning cycle, including a multi-year strategic planning cycle (for example, every three to five years). Therefore, in some reporting periods the entity's disclosures in accordance with paragraph AG1.40(b) could remain unchanged from the previous reporting period if the entity does not conduct a scenario analysis annually. The entity shall—at a minimum—update its climate-related scenario analysis in line with its strategic planning cycle. However, an assessment of the entity's resilience is required to be carried out annually to reflect updated insight into the implications of climate uncertainty for the entity's operational model and strategy. As such, an entity's disclosure in accordance with paragraph AG1.40(a)—that is, the results of the entity's resilience assessment—shall be updated at each reporting period.

Risk management (see paragraph 14)

- AG1.64. Paragraph 14(a) requires an entity to disclose the processes and related risk management policies the entity uses to identify, assess, prioritize and monitor climate-related risks to the entity's long-term fiscal sustainability. Specifically, an entity shall disclose:
- (a) The inputs and parameters the entity uses (for example, information about data sources and the scope of operations covered in the processes);
 - (b) Whether and how the entity uses climate-related scenario analysis to inform its identification of climate-related risks;

- (c) How the entity assesses the nature, likelihood, magnitude and timing of the effects of those risks (for example, whether the entity considers qualitative factors, quantitative thresholds or other criteria);
- (d) Whether and how the entity prioritizes climate-related risks relative to other types of risk;
- (e) How the entity monitors climate-related risks; and
- (f) Whether and how the entity has changed the processes it uses compared with the previous reporting period.

AG1.65. To identify, assess, prioritize, and monitor climate-related risks and opportunities, an entity may use their risk management processes and also leverage processes from other entities. For example, a national risk register developed by a senior level of government may inform risk management by entities at lower levels of governments. Such entities would also consider additional factors that reflect their own circumstances.

Metrics and targets (see paragraphs 17–25)

Greenhouse gas emissions

Permission to use information from a reporting period that is different from the entity's reporting period, in specific circumstances

AG1.66. An entity might have a different reporting period from some or all of the entities in its value chain. Such a difference would mean that greenhouse gas emissions information from these entities in its value chain for the entity's reporting period might not be readily available for the entity to use for its own disclosure. In such circumstances, the entity is permitted to measure its greenhouse gas emissions in accordance with paragraph 17(a)(i) using information for reporting periods that are different from its own reporting period if that information is obtained from entities in its value chain with reporting periods that are different from the entity's reporting period, on the condition that:

- (a) The entity uses the most recent data available from those entities in its value chain without undue cost or effort to measure and disclose its greenhouse gas emissions;
- (b) The length of the reporting periods is the same; and
- (c) The entity discloses the effects of significant events and changes in circumstances (relevant to its greenhouse gas emissions) that occur between the reporting dates of the entities in its value chain and the date of the entity's general purpose financial reports.

Aggregation of greenhouse gases into CO₂ equivalent using global warming potential values

AG1.67. Paragraph 17(a) requires an entity to disclose its absolute gross greenhouse gas emissions generated during the reporting period, expressed as metric tons of CO₂ equivalent. To meet this requirement, the entity shall aggregate the seven constituent greenhouse gases into CO₂ equivalent values.

AG1.68. If an entity uses direct measurement to measure its greenhouse gas emissions, the entity may to convert the seven constituent greenhouse gases into a CO₂ equivalent value using global warming potential values based on a 100-year time horizon, from the latest Intergovernmental Panel on Climate Change assessment available at the reporting date.

AG1.69. If an entity uses emission factors to estimate its greenhouse gas emissions, the entity shall use—as its basis for measuring its greenhouse gas emissions—the emission factors that best represent the entity's activity (see paragraph AG1.77). If these emission factors have already converted the constituent gases into CO₂ equivalent values, the entity is not required to recalculate the emission factors using global warming potential values based on a 100-year time horizon from the latest Intergovernmental Panel on Climate Change assessment available at the reporting date. However, if an entity uses emission factors that are not converted into CO₂ equivalent values, then the entity may use the global warming potential values based on a 100-year time horizon from the latest Intergovernmental Panel on Climate Change assessment available at the reporting date.

Greenhouse gas emissions from entities responsible for climate-related public policy programs

AG1.70. An entity responsible for climate-related public policy programs may also generate Scope 1, 2 and 3 greenhouse gas emissions in relation to those activities. For example, an energy agency that regulates the energy sector within a jurisdiction would disclose emissions from consumed energy from its office premises and consumed energy from employees involved in setting regulations. These will be included in the emissions from its own operations.

Methodology, measurement approach, inputs and assumptions

AG1.71. Paragraph 17(a)(iii) requires an entity to disclose the methodology, measurement approach, inputs and assumptions it uses to measure its greenhouse gas emissions. As part of this requirement, the entity shall include information about:

- (a) Applicable method if the entity is not using the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004) (see paragraph AG1.72–AG1.75);
- (b) The measurement approach the entity uses (see paragraph AG1.76); and
- (c) Emission factors the entity uses (see paragraph AG1.77).

Greenhouse gas accounting methodologies

AG1.72. There is a rebuttable presumption that entities will use the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004). In some circumstances, an entity may determine that another established method of measuring its greenhouse gas emissions is more appropriate for its circumstances to meet the needs of its primary users or is required by a jurisdictional authority.

AG1.73. In such cases, an entity shall disclose:

- (a) The applicable methodology used;
- (b) The reason, or reasons, for the entity's choice of methodology;
- (c) How that approach relates to the disclosure objective in paragraph 17.

AG1.74. For the avoidance of doubt, an entity shall apply the requirements in the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004) only to the extent that they do not conflict with the requirements in this [draft] Standard. For example, the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004) does not require an entity to disclose its Scope 3 greenhouse gas emissions, however, the entity is required to disclose Scope 3 greenhouse gas emissions in accordance with paragraph 17(a)(i)c.

AG1.75. Where an entity uses a methodology other than the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004), an entity shall disclose its Scope 1, 2 and 3 aligned with the definitions in paragraph 7, which are based on the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004). To the extent these definitions differ from the applicable methodology, the entity shall provide a reconciliation.

Measurement approach

AG1.76. An entity might use different measurement approaches when measuring its greenhouse gas emissions. In disclosing information in accordance with paragraph 17(a)(iii), the entity is required to disclose information about the measurement approach it uses. Specifically, the entity shall disclose the approach it uses to determine its greenhouse gas emissions, including:

- (a) The approach to consolidation of greenhouse gas emissions, such as whether the entity uses the operational control, the financial control or the equity share approach; and
- (b) The reason, or reasons, for the entity's choice of measurement approach and how that approach relates to the disclosure objective in paragraph 16.

Emission factors

AG1.77. As part of an entity's disclosure of the measurement approach, inputs and assumptions, the entity shall disclose information to enable the primary users of its general purpose financial reports to understand which emission factors the entity uses in its measurement of its greenhouse gas emissions. This [draft] Standard does not specify emission factors an entity is required to use in its measurement of its greenhouse gas emissions. Instead, this [draft] Standard requires an entity to use emission factors that best represent the entity's activity as its basis for measuring its greenhouse gas emissions.

Scope 2 greenhouse gas emissions

AG1.78. Paragraph 17(a)(v) requires an entity to disclose its location-based Scope 2 greenhouse gas emissions and provide information about any contractual instruments the entity has entered into that could inform primary users' understanding of the entity's Scope 2 greenhouse gas emissions. A location-based method reflects the average emissions intensity of grids on which energy consumption occurs. For the avoidance of doubt, an entity is required to disclose its Scope 2 greenhouse gas emissions using a location-based approach and is required to provide information about contractual instruments only if such instruments exist and information about them informs primary users' understanding of an entity's Scope 2 greenhouse gas emissions.

AG1.79. Contractual instruments are any type of contract between an entity and another party for the sale and purchase of energy bundled with attributes about the energy generation or for unbundled energy attribute claims (unbundled energy attribute claims relate to the sale and purchase of energy that is separate and distinct from the greenhouse gas attribute contractual instruments). Various types of contractual instruments are available in different markets and the entity might disclose information about its market-based Scope 2 greenhouse gas emissions as part of its disclosure.

Scope 3 greenhouse gas emissions

- AG1.80. In accordance with paragraph 17(a)(vi), an entity shall disclose information about its Scope 3 greenhouse gas emissions to enable primary users of general purpose financial reports to understand the source of these emissions. The entity shall consider its entire value chain (upstream and downstream) and shall consider all 15 categories of Scope 3 greenhouse gas emissions, as described in the Greenhouse Gas Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard (2011). In accordance with paragraph 17(a)(vi), the entity shall disclose which of these categories are included in its Scope 3 greenhouse gas emissions disclosures.
- AG1.81. For the avoidance of doubt, regardless of the methodology an entity uses to measure its greenhouse gas emissions, the entity is required to disclose the categories included within its measure of Scope 3 greenhouse gas emissions as described in paragraph 17(a)(vi)a.
- AG1.82. While designing, implementing and monitoring public policy programs are part of public sector value creation, the effects of climate-related public policy programs on other entities and/or individuals are not to be included in the measurement of the entity's Scope 3 greenhouse gas emissions. For example, an entity that designs a home insulation subsidy would include the direct and indirect emissions from designing the program in its Scope 1 and 2 greenhouse gas emissions, such as from energy use for its office space used in designing the public policy program, but would not include the greenhouse gas emissions of the manufacturers of home insulation or the households who receive the subsidy in the Scope 3 emissions for its own operations. These emissions would be captured in reporting on greenhouse gas emissions from climate-related public policy programs (see paragraphs AG2.33–AG2.36).
- AG1.83. An entity's determination of which Scope 3 categories to measure and disclose will require management judgement and may consider trade-offs such as the cost of collecting data, skills and capabilities needed compared against the benefit the information will provide for decision-making. This determination shall be driven by an entity's mandate and the materiality assessment for information needs of primary users for decision-making and accountability.
- AG1.84. In accordance with paragraph B.AG26, on the occurrence of a significant event or a significant change in circumstances, an entity shall reassess the scope of all affected climate-related risks and opportunities throughout its value chain, including reassessing which Scope 3 categories and entities throughout its value chain to include in the measurement of its Scope 3 greenhouse gas emissions. A significant event or significant change in circumstances can occur without the entity being involved in that event or change in circumstances or as a result of a change in what the entity assesses to be important to primary users of general purpose financial reports.
- AG1.85. An entity is permitted, but not required, to reassess the scope of any climate-related risk or opportunity throughout its value chain more frequently than required by paragraph B.AG27.
- AG1.86. In accordance with paragraph B.AG2(b), to determine the scope of the value chain, which includes its breadth and composition, an entity shall use all reasonable and supportable information that is available to the entity at the reporting date without undue cost or effort.

Scope 3 measurement framework

- AG1.87. An entity's measurement of Scope 3 greenhouse gas emissions is likely to include the use of estimation rather than solely comprising direct measurement. In measuring Scope 3 greenhouse gas emissions an entity shall use a measurement approach, inputs and assumptions that result

in a faithful representation of this measurement. The measurement framework described in paragraphs AG1.88–AG1.90 provides guidance for an entity to use in preparing its Scope 3 greenhouse gas emissions disclosures.

- AG1.88. An entity is required to use all reasonable and supportable information that is available to the entity at the reporting date without undue cost or effort when the entity selects the measurement approach, inputs and assumptions it uses in measuring Scope 3 greenhouse gas emissions.
- AG1.89. An entity's measurement of Scope 3 greenhouse gas emissions relies upon a range of inputs. This [draft] Standard does not specify the inputs the entity is required to use to measure its Scope 3 greenhouse gas emissions, but does require the entity to prioritize inputs and assumptions using these identifying characteristics (which are listed in no particular order):
- (a) Data based on direct measurement (paragraphs AG1.91–AG1.93);
 - (b) Data from specific activities within the entity's value chain (paragraphs AG1.94–AG1.97);
 - (c) Timely data that faithfully represents the jurisdiction of, and the technology used for, the value chain activity and its greenhouse gas emissions (paragraphs AG1.98–AG1.99); and
 - (d) Data that has been verified (paragraphs AG1.100–AG1.101).
- AG1.90. An entity's prioritization of the measurement approach, inputs and assumptions and the entity's considerations of associated trade-offs—based on the characteristics in paragraph AG1.89—requires management to apply judgement. For example, an entity might need to consider the trade-offs between timely data and data that is more representative of the jurisdiction and technology used for the value chain activity and its emissions. More recent data might provide less detail about the specific activity, including the technology that was used in the value chain and the location of that activity. On the other hand, older data that is published infrequently might be considered more representative of the specific activity and its greenhouse gas emissions.

Data based on direct measurement

- AG1.91. Two methods are used to quantify Scope 3 greenhouse gas emissions: direct measurement and estimation. Of these two methods—and with all else being equal—an entity shall prioritize direct measurement.
- AG1.92. "Direct measurement" refers to the direct monitoring of greenhouse gas emissions and, in theory, provides the most accurate evidence. However, it is expected that Scope 3 greenhouse gas emissions data will include estimation due to the challenges associated with direct measurement of Scope 3 greenhouse gas emissions.
- AG1.93. The estimation of Scope 3 greenhouse gas emissions involves approximate calculations of data based on assumptions and appropriate inputs. An entity that measures its Scope 3 greenhouse gas emissions using estimation is likely to use two types of input:
- (a) Data that represents the entity's activity that results in greenhouse gas emissions (activity data). For example, the entity might use distance travelled as activity data to represent the transport of goods within its value chain;
 - (b) Emission factors that convert activity data into greenhouse gas emissions. For example, the entity will convert the distance travelled (activity data) into greenhouse gas emissions data using emission factors.

Data from specific activities within the entity's value chain

- AG1.94. An entity's measurement of its Scope 3 greenhouse gas emissions will be based on data obtained directly from specific activities within the entity's value chain (primary data), data not obtained directly from activities within the entity's value chain (secondary data), or a combination of both.
- AG1.95. In measuring an entity's Scope 3 greenhouse gas emissions, primary data is more likely to be representative of the entity's value chain activity and its greenhouse gas emissions than secondary data. Therefore, the entity shall prioritize—with all else being equal—the use of primary data.
- AG1.96. Primary data for Scope 3 greenhouse gas emissions includes data provided by suppliers or other entities in the value chain related to specific activities in an entity's value chain. For example, primary data could be sourced from meter readings, utility bills or other methods that represent specific activities in the entity's value chain. Primary data could be collected internally (for example, through the entity's own records), or externally from suppliers and other value chain partners (for example, supplier-specific emission factors for purchased goods or services). Data from specific activities within an entity's value chain provides a more accurate representation of the entity's specific value chain activities and, therefore, will provide a better basis for measuring the entity's Scope 3 greenhouse gas emissions.
- AG1.97. Secondary data for Scope 3 greenhouse gas emissions is data that is not obtained directly from specific activities within an entity's value chain. Secondary data is often supplied by third-party data providers (for example, from published databases, government statistics, literature studies and industry associations). Secondary data includes data used to approximate the activity or emission factors. Additionally, secondary data includes primary data from a specific activity (proxy data) used to estimate greenhouse gas emissions for another activity. If an entity uses secondary data to measure its Scope 3 greenhouse gas emissions, it shall consider the extent to which the data faithfully represents the entity's activities.

Timely data that faithfully represents the value chain activity and its greenhouse gas emissions

- AG1.98. If an entity uses secondary data, it shall prioritize the use of activity or emissions data that is based on, or represents, the technology used in the value chain activity the data is intended to represent. For example, an entity might obtain primary data from its activities (for example, the specific aircraft model, distance traveled, and travel-class used by employees when traveling) and would then use secondary data that represents the greenhouse gas emissions arising from those activities to convert the primary data into an estimate of its greenhouse gas emissions from air travel.
- AG1.99. If an entity uses secondary data, it shall prioritize activity or emissions data that is timely and representative of the entity's value chain activity during the reporting period. In some jurisdictions, and for some technologies, secondary data is collected annually and, therefore, the data is likely to be representative of the entity's current practice. However, some secondary data sources rely on information collected in a reporting period that is different from the entity's own reporting period.

Verified data

AG1.100. An entity shall prioritize Scope 3 greenhouse gas emissions data that is verified. Verification can provide primary users of general purpose financial reports with confidence that the information is complete, neutral and accurate.

AG1.101. Verified data might include data that has been internally or externally verified. Verification can take place in several ways, including on-site checking, reviewing calculations, or cross-checking of data against other sources. However, in some cases an entity might be unable to verify its Scope 3 greenhouse gas emissions without undue cost or effort. For example, the entity might be prevented from obtaining a complete set of verified data due to the volume of data or because the data is obtained from entities in the value chain that are separated by many tiers from the reporting entity, that is, entities that the reporting entity does not interact with directly. In such cases, an entity might need to use unverified data.

Disclosure of inputs to Scope 3 greenhouse gas emissions

AG1.102. An entity shall disclose information about the measurement approach, inputs and assumptions it uses to measure its Scope 3 greenhouse gas emissions in accordance with paragraph 17(a)(iii). This disclosure shall include information about the characteristics of the data inputs as described in paragraph AG1.86. The purpose of this disclosure is to provide primary users of general purpose financial reports with information about how the entity has prioritized the highest quality data available, which faithfully represents the value chain activity and its Scope 3 greenhouse gas emissions. This disclosure also helps primary users of general purpose financial reports to understand why the measurement approach, inputs and assumptions the entity uses to estimate its Scope 3 greenhouse gas emissions are relevant.

AG1.103. As part of the requirement in paragraph 17(a)(iii), and to reflect how an entity prioritizes Scope 3 data in accordance with the measurement framework set out in paragraphs AG1.88–AG1.100, the entity shall disclose information that enables primary users of general purpose financial reports to understand:

- (a) The extent to which the entity's Scope 3 greenhouse gas emissions are measured using inputs from specific activities within the entity's value chain; and
- (b) The extent to which the entity's Scope 3 greenhouse gas emissions are measured using inputs that are verified.

AG1.104. This [draft] Standard includes the presumption that Scope 3 greenhouse gas emissions can be estimated reliably using secondary data and peer averages. In those rare cases when an entity determines it is impracticable to estimate its Scope 3 greenhouse gas emissions, the entity shall disclose how it is managing its Scope 3 greenhouse gas emissions. Applying a requirement is impracticable when the entity cannot apply it after making every reasonable effort to do so.

Financed emissions

AG1.105. Entities participating in financial activities face risks and opportunities related to the greenhouse gas emissions associated with those activities. Counterparties, borrowers or investees with higher greenhouse gas emissions might be susceptible to risks associated with technological changes, shifts in supply and demand and policy change, which in turn can affect the institution that is providing financial services to these entities. These risks and opportunities can arise in the form of credit risk, market risk, reputational risk and other financial and operational risks. For example,

credit risk might arise in relation to financing carbon-intensive sectors, increasing the exposure to stranded assets under increasingly stringent regulations, technological shifts, and changing resource landscapes; credit risk might also arise through increased insurance liability and increased cash outflows by public sector entities arising from damages caused by physical climate risks. Reputational risk might arise from financing carbon-intensive projects. Entities participating in financial activities, such as central banks, public investment corporations, housing finance agencies and public pension funds, monitor and manage such risks by measuring their financed emissions. This measurement serves as an indicator of an entity's exposure to climate-related risks and opportunities and how the entity might need to adapt its financial activities over time.

AG1.106. An entity shall apply the requirements for disclosing greenhouse gas emissions in accordance with paragraph 17(a) when disclosing information about its financed emissions.

Other metric categories

AG1.107. In addition to information about an entity's greenhouse gas emissions, the entity is required to disclose information relevant to other metric categories set out in paragraph 17(b)–17(f).

AG1.108. In preparing disclosures to fulfil the requirements in paragraph 17(b)–17(f), an entity shall:

- (a) Consider the time horizons over which the effects of climate-related risks and opportunities could reasonably be expected to occur, described in accordance with paragraph AG1.22;
- (b) Consider where in the entity's operational model and value chain climate-related risks and opportunities are concentrated (for example, geographical areas, facilities or types of assets or services) (see paragraph AG1.24);
- (c) Consider the information disclosed in accordance with paragraph AG1.33(a)–AG1.33(b) in relation to the effects of climate-related risks and opportunities on the entity's long-term fiscal sustainability, including services it delivers, for the reporting period;
- (d) Consider whether peer metrics, as described in paragraph 20 could be used to satisfy the requirements in whole or in part;
- (e) Consider the connections between the information disclosed to fulfil the requirements in paragraph 17(b)–17(f) with the information disclosed in the related financial statements, in accordance with paragraph B12(b)(i). These connections include consistency in the data and assumptions used—to the extent possible—and linkages between the amounts disclosed in accordance with paragraph 17(b)–17(f) and the amounts recognized and disclosed in the financial statements. For example, an entity would consider whether the carrying amount of assets used is consistent with amounts included in the financial statements and would explain the connections between information in these disclosures and amounts in the financial statements.

AG1.109. Paragraph 17(e) requires an entity to disclose whether it applies internal carbon prices in decision-making. Examples where it may be applicable for public sector entities include:

- (a) Procurement, where a carbon price is incorporated into the cost of goods and services procured; and
- (b) Internal taxes or fees, where a carbon price is charged internally, similar to intracompany transfer pricing.

AG1.110. In the public sector, internal carbon prices may not always be set internally by individual entities. In some jurisdictions, another public sector entity such as a central department, may establish a carbon price applicable for public sector entities for internal decision-making such as procurement, across the jurisdiction. In such cases, this may be the entity's internal carbon price even though it is developed by an external source.

Climate-related targets (see paragraphs 21-25)

Characteristics of a climate-related target

AG1.111. Paragraph 21 requires an entity to disclose the quantitative or qualitative climate-related targets it has set, and any it is required to meet by law or regulation, including any greenhouse gas emissions targets. In disclosing these climate-related targets, the entity is required to disclose information about the characteristics of these targets as described in paragraph 21(a)-21(h). If the climate-related target is quantitative, an entity is required to describe whether the target is an absolute target or an intensity target. An absolute target is defined as a total amount of a measure or a change in the total amount of a measure, whereas an intensity target is defined as a ratio of a measure, or a change in the ratio of a measure, to a business metric.

AG1.112. In identifying and disclosing the metric used to set a climate-related target and measure progress, an entity shall consider peer metrics and other metrics. If the metric has been developed by the entity to measure progress towards a target, the entity shall disclose information about that metric in accordance with paragraph AG2.40.

Greenhouse gas emissions targets – gross and net greenhouse gas emissions targets

AG1.113. If an entity has a greenhouse gas emissions target, the entity is required to specify whether the target is a gross greenhouse gas emissions target or a net greenhouse gas emissions target. Gross greenhouse gas emissions targets reflect the total changes in greenhouse gas emissions planned within the entity's value chain. Net greenhouse gas emissions targets are the entity's targeted gross greenhouse gas emissions minus any planned offsetting efforts (for example, the entity's planned use of carbon credits to offset its greenhouse gas emissions).

AG1.114. Paragraph 24(c) specifies that if an entity has a net greenhouse gas emissions target it is required to also disclose a gross greenhouse gas emissions target. For the avoidance of doubt, if the entity discloses a net greenhouse gas emissions target, this target cannot obscure information about its gross greenhouse gas emissions targets.

Carbon credits

AG1.115. Paragraph 24(e) requires an entity to describe its planned use of carbon credits—which are transferable or tradeable instruments—to offset emissions to achieve any net greenhouse gas emissions targets the entity has set, or any it is required to meet by law or regulation. Any information about the planned use of carbon credits shall clearly demonstrate the extent to which these carbon credits are relied on to achieve the net greenhouse gas emissions targets.

AG1.116. In accordance with paragraph 24(e), an entity is required to disclose only its planned use of carbon credits. However, as part of this disclosure, the entity might also include information about carbon credits it has already purchased that the entity is planning to use to meet its net greenhouse gas emissions target, if the information enables primary users of general purpose financial reports to understand the entity's greenhouse gas emissions target.

Appendix A2: Application Guidance - Climate-related Public Policy Programs

This Appendix is an integral part of [draft] IPSAS [X] (ED XX).

Scope and definitions (see paragraphs 3–6)

- AG2.1. Paragraph 3 requires disclosures about the climate-related risks and opportunities to an entity's own operations and disclosures about climate-related public policy programs and their outcomes.
- AG2.2. Appendix A2: Application Guidance – Climate-Related Public Policy Programs provides requirements and guidance for climate-related public policy programs and their outcomes.
- AG2.3. These requirements and guidance are required for all public sector entities that are responsible for a climate-related public policy program to provide information to primary users to enable decision-making and holding entities accountable to the climate-related public policy programs for which they are responsible.

Climate-related public policy programs

AG2.4. Public policy programs may include:

- (a) Regulations and standards; such as any that specify abatement technologies (technology standard) or minimum requirements for energy consumption, pollution output, or other activities (performance standard), and typically include penalties for noncompliance;
- (b) Taxes and charges, such as levy imposed on each unit of activity by a source, such as a fuel tax, carbon tax, traffic congestion charge, or import or export tax;
- (c) Subsidies and incentives such as direct payments, tax reductions, price supports or the equivalent thereof from a public sector entity to another entity for implementing a practice or performing a specified action;
- (d) Emissions trading programs, or emissions trading systems (ETS) or cap-and-trade programs are programs that establish a limit on aggregate emissions from specified sources, requires sources to hold permits, allowances, or other units equal to their actual emissions, and allows permits to be traded among sources;
- (e) Voluntary agreements or measures may be an agreement, commitment, or measure undertaken voluntarily by public or private sector actors, either unilaterally or jointly in a negotiated agreement. Some voluntary agreements include rewards or penalties associated with participating in the agreement or achieving the commitments;
- (f) Information instruments which are requirements for public disclosure of information, such as labeling programs, emissions reporting programs, rating and certification systems, benchmarking, and information or education campaigns aimed at changing behavior by increasing awareness;
- (g) Research, development and deployment policies are those aimed at supporting technological advancement, through direct government funding or investment, or facilitation of investment, in technology research, development, demonstration, and deployment activities;
- (h) Public procurement policies requiring that specific attributes (such as greenhouse gas emissions) be considered as part of the public procurement processes;

- (i) Infrastructure programs that provide (or grant an entity permit for) infrastructure, such as roads, water supply, urban services, and high speed rail;
- (j) Implementation of new technologies, processes, or practices, such as those that reduce emissions compared to existing technologies, processes, or practices at a broad scale; and
- (k) Financing and investment such as public or private sector grants or loans for supporting development strategies.

AG2.5. Climate-related public policy programs are those that have a primary objective to achieve climate-related outcomes. Primary objectives may be expressed as a key performance indicator for the public policy program outcomes such as a percentage reduction in greenhouse gases or percentage increase in energy efficiencies. This primary objective may also be expressed using a narrative description of a desired future state primarily relating to climate, such as reduced exposure to climate-related physical risks, resulting from the public policy program. An entity with such climate-related public policy programs shall provide disclosures as outlined in paragraph AG2.17.

AG2.6. Many public policy programs may have an effect on climate, even though this may not be their primary objective, and therefore may not be a climate-related public policy program. For example, an entity's public policy program to expand train networks may have a primary objective to reduce traffic congestion yet may also result in reduced emissions, or an entity's policies to use coal energy may increase greenhouse gas emissions but have a primary objective to provide cost effective and stable electricity to rural areas. However, this [draft] Standard only requires disclosures about those public policy programs with a primary objective to achieve climate-related outcomes. An entity shall exercise judgement in identifying climate-related public policy programs.

Responsibility for climate-related public policy programs

AG2.7. The disclosures required in this [draft] Standard about climate-related public policy programs are required by entities with responsibility for a climate-related public policy program.

AG2.8. An entity shall consider all facts and circumstances when assessing whether it has responsibility for a climate-related public policy program. Factors that may indicate that an entity has such responsibility include:

- (a) Legislation that states that the entity is responsible for the climate-related public policy program;
- (b) Responsibility for the design of the climate-related public policy program;
- (c) Responsibility for implementing and/or monitoring the climate-related public policy program; or
- (d) Accountability for the consequences of not achieving the outcomes, including ability to make decisions about changes to the policy or introduction of new policy to achieve the outcomes.

AG2.9. The processes to design, implement, and monitor public policy programs may vary across jurisdictions, programs, departments, etc. and often involve different public sector entities. Entities should provide disclosures related to their area of responsibility for a climate related public policy program. For instance, an entity may design a climate-related policy, but another entity may have responsibility for implementing the climate-related public policy program – each entity should provide disclosures related to its area of responsibility. Entities will need to exercise judgment to

determine which disclosures to provide based on its responsibility for the climate-related public policy program.

Climate-related public policy program outcomes

AG2.10. Climate-related public policy program outcomes include climate-related impacts on the economy, environment and people, which are interconnected by nature. For example:

- (a) A traffic congestion tax policy with a primary objective to reduce greenhouse gas emissions may also result in economic impacts for private sector entities operating in the jurisdiction and economic and/or social impacts for individuals living and working in the jurisdiction;
- (b) An entity's public policy program to invest in high-speed rail infrastructure with a primary objective to reduce greenhouse gas emissions may also result in economic opportunities for private sector entities as well as social impacts for individual service recipients;
- (c) Public policy programs relating to emissions trading programs will have economic impacts for private sector corporations; and
- (d) Public policy program to reduce greenhouse gas emissions can contribute to improved air quality and affect the health of citizens.

AG2.11. An entity's climate-related public policy program outcome could directly affect society as a whole or affect particular groups or institutions within society or affect the economy and environment. Climate-related public policy program outcomes could have relatively direct impacts on recipients of the entity's services. They could also have positive or negative impacts on others that are not recipients of the entity's services but who are indirectly affected by those services.

AG2.12. The relationship between an entity's climate-related public policy programs and its outcomes are sometimes strong and direct, but this may not always be the case. For example:

- (a) A rain garden infrastructure that intends to reduce flood risk for a residential area may also have indirect outcomes, such as minimizing public spending on flood repairs; or
- (b) A carbon tax that intends to reduce greenhouse gas emissions by influencing individuals and commercial behaviors may also have indirect outcomes, such as affecting inflation and economic activity.

AG2.13. Public policy program outcomes are often driven by interactions and dependencies outside the entity's direct control through a series of cause-and-effect relationships. Factors beyond the entity's control may intervene to either hinder or facilitate the entity's achievement of public policy program outcomes. An entity's identification of climate-related public policy program outcomes shall consider the extent to which outcomes can be attributed to the entity's public policy programs and other factors that have influenced the outcomes. It shall not include outcomes that cannot be reasonably attributed to the public policy program (see paragraph 2(b)). Disclosures shall be sufficient to ensure that the primary users can understand the entity's role with respect to either improving or worsening public policy program outcomes.

AG2.14. An entity may also identify and consider where achievement of intended outcomes of climate-related public policy programs interrelate with climate-related risks and opportunities to its own operations. Climate-related risks and opportunities that impact the entity itself may impede the achievement of intended outcomes of the climate-related public policy program. For example, increased wildfires may limit resource availability to the entity itself, leading to insufficient staffing

to support the achievement of the intended outcomes of its policy program. Conversely, the achievement of intended outcomes of the policy program could give rise to climate-related risks and opportunities for the entity's own operations. For example, if a climate-related public policy program did not achieve its intended outcome to reduce emissions from coal-fired power plants in the region, the continued levels of emissions could contribute to increased transition risk for the entity itself.

Disclosures on climate-related public policy programs and their outcomes

AG2.15. Disclosures about an entity's climate-related public policy programs are focused on understanding the objectives of the climate-related public policy programs and whether they are achieving their intended outcomes.

AG2.16. An entity's processes, including governance, strategy and risk management, consider the various aspects and stages of public policy program design and implementation challenges:

- (a) Policy design to meet the entity's responsibilities and mandate – this includes identification and prioritization of specific objectives of the climate-related public policy programs. For example, to address the threat of sea level rise to a community, a municipality identified the need to develop a climate-related public policy program to support the construction of flood levees;
- (b) Policy implementation – this includes considering the potential challenges related to delivery of the policy programs, such as difficulties in coordinating across multiple implementing entities, or limited uptake of the policy program; and
- (c) Policy monitoring – this includes monitoring whether the intended outcomes are on track to be or are achieved, and whether there are any unintended outcomes indicating the need to amend the policy.

AG2.17. An entity that has responsibility for climate-related public policy programs shall provide climate-related disclosures to enable primary users of general purpose financial reports to understand the entity's:

- (a) Governance processes, controls and procedures the entity uses to monitor, manage and oversee its climate-related public policy programs and their outcomes (see paragraphs 9 and AG2.19–AG2.22);
- (b) Strategy for managing its climate-related public policy programs and their outcomes (see paragraphs 12 and AG2.23–AG2.30)
- (c) Processes to identify, assess, prioritize and monitor challenges to achievement of the intended outcomes of climate-related public policy programs (see paragraphs 15 and AG2.31–AG2.32); and
- (d) Performance, including progress towards intended outcomes of climate-related public policy programs (see paragraphs 26–27 and AG2.33–AG2.41).

AG2.18. Entities may refer to Appendix B: General Requirements for Climate-related Disclosures paragraphs B.AG1–B.AG55 for further guidance on identifying climate-related public policy program outcomes and material information for disclosure.

Governance for an entity's climate-related public policy programs (see paragraph 9)

AG2.19. Public sector governance structures vary considerably between and across jurisdictions. For some climate-related public policy programs, strategies may be set by another public sector entity (such

as senior levels of governments), and approval may involve a legislative process. Oversight of the design, implementation and monitoring of climate-related public policy programs and their outcomes may come from the entity's own governing body, another entity or a specially convened cross-government group. An entity shall disclose the arrangement as required in paragraph 9(a).

AG2.20. Oversight for climate-related public policy programs and their outcomes may include:

- (a) Oversight of policy design, such as whether the policy meets the entity's mandate and responsibilities, addresses the specific objectives of the policy program, and how the proposed policy is expected to achieve its intended outcomes;
- (b) Oversight for setting of targets and achieving the intended outcomes of climate-related public policy programs includes considering the potential challenges to achieving those outcomes, such low uptake of the policy program, poor coordination of the implementation process or unclear accountability and responsibility for implementing entities; or
- (c) Oversight for and monitoring progress, which may include oversight of actual outcomes and collection of relevant data from other entities with responsibility to implement climate-related public policy programs.

AG2.21. If no group(s) or individual(s) has responsibility for oversight of particular climate-related public policy programs then this should be disclosed.

AG2.22. In preparing disclosures to fulfil the requirements in paragraph 9, an entity shall avoid unnecessary duplication if oversight of the climate-related public policy programs and their outcomes is managed on an integrated basis.

Strategy for climate-related public policy programs (see paragraph 12)

Strategy and decision-making

AG2.23. Paragraph 12(a) requires an entity to disclose information that enables primary users to understand the entity's strategy and decision-making for its climate-related public policy programs. Specifically, an entity shall disclose:

- (a) The scope of the entity's climate-related public policy program mandate, including an overview of the entity's responsibilities for the climate-related public policy program;
- (b) The entity's climate-related public policy programs strategy, including the entity's decision-making process and factors in determining its strategy for climate-related policy programs (see paragraph AG2.24);
- (c) Quantitative and qualitative information about the progress of plans disclosed in previous reporting periods, including:
 - i. Information about the climate-related public policy program status, timelines and steps for implementation (e.g. legislation process);
 - ii. Potential challenges to the achievement of intended outcomes (see paragraph AG2.26) and progress made to address these potential challenges; and
 - iii. Processes to monitor achievement of outcomes.

AG2.24. Paragraph AG2.23(b) requires an entity to disclose information about its current climate-related public policy programs and the entity's decision-making process and factors in determining its strategy for climate-related policy programs. Specifically, an entity shall disclose:

- (a) A description of the current climate-related public policy programs, including:
 - i. The specific objectives of the climate-related public policy program, such as addressing increased frequency and severity of flooding through the improvement of zoning and land use policy programs; and
- (b) A description of the intended outcomes as a result of the entity's climate-related policy programs, including:
 - i. The process to identify and evaluate outcomes as a result of climate-related public policy programs, including how the entity has engaged with stakeholders and experts;
 - ii. The scope of the entities/individuals expected to be affected;
 - iii. The time horizon over which the entity expects these to occur; and
- (c) Any factors and assumptions used in designing its climate-related public policy programs, including:
 - i. Trade-off decisions, if any, between climate-related public policy program outcomes (such as balancing potential outcomes affecting greenhouse gas emissions and economic or social effects); and
 - ii. Information about key assumptions used in developing its transition plan and dependencies on which the transition plan relies.

AG2.25. Public policy programs influence the activities and behaviors of other public sector entities, private sector entities and/or individuals. Given the breadth of stakeholders impacted by an entity's climate-related public policy programs, the entity may need to consider other factors in its decisions to set policy programs, for example:

- (a) The entity's overall mandate, such as maintaining financial stability of the economy when assessing potential approaches to implementing carbon taxes;
- (b) A climate-related scenario analysis that provided information for policy design; and
- (c) The potential trade-offs between different outcomes such as weighing the short-, medium- and long-term costs and benefits from a climate-related policy to transition from fossil fuel production to renewable energy production to reduce greenhouse gas emissions, but may also have impacts on the local economy as well as the local workforce.

Potential challenges to achieving the intended outcomes of climate-related public policy programs

AG2.26. Paragraph 12(b) requires an entity to disclose information that enables primary users to understand the potential challenges to achieving the intended outcomes of climate-related public policy programs. Specifically, an entity shall disclose any factors that the entity identified that could impede the achievement of the intended outcomes of a climate-related public policy program. For example:

- (a) Internal factors, such as resource constraints, operational challenges, and technical limitations; and
- (b) External factors, such as regulatory constraints, economic conditions, and local opposition.

AG2.27. To identify the potential challenges to achieving the intended outcomes of climate-related public policy programs, the entity shall use all reasonable and supportable information available to the entity without undue cost or effort (see paragraphs B.AG20–B.AG25).

Financial implications of climate-related public policy programs

AG2.28. Paragraph 12(c) requires the entity to disclose information to enable primary users to understand the financial implications of climate-related public policy programs. This includes quantitative information about the incurred and anticipated costs, amounts funded or unfunded and any income or fees related to the program.

AG2.29. This may include disclosure of how these financial implications link to an entity's public budget reports, which will provide primary users with information such as the costs of the programs, the extent of funding, future costs, and potential income generated, such as from taxes or fees. For example, the anticipated increase in tax revenues from carbon taxes, increased debt and expenses from costs of climate-related policy programs or impairment of abandoned assets.

AG2.30. An entity may consider various external factors when assessing the financial implications to the entity itself. For example:

- (a) Additional funding need by other public sector entities to support implementation of the climate-related public policy program;
- (b) Investment needs of other public sector entities, private sector entities and/or individuals to build or repair infrastructure or homes in response to climate-related physical risks such as increasing frequency and severity of weather events; and
- (c) The need for individuals to insure against increasing frequency and severity of weather events where private corporations may reduce insurance coverage, and the public sector must fulfil the role of guarantor of last resort.

Outcome management relating to an entity's climate-related public policy programs (see paragraph 15)

AG2.31. Paragraph 15(a) requires disclosures about the processes and policies that the entity uses to identify, assess, prioritize and monitor the potential challenges to achieving the intended outcomes of its climate-related public policy programs. Specifically, an entity shall disclose:

- (a) The inputs and parameters the entity uses (for example, information about data sources and the scope of operations covered in the processes);
- (b) How the entity assesses the nature, likelihood and magnitude of those potential challenges (for example, whether the entity considers qualitative factors, quantitative thresholds or other criteria);
- (c) How the entity prioritizes and monitors those potential challenges to achieving intended outcomes; and
- (d) Whether and how the entity has changed the processes it uses compared with the previous reporting period.

AG2.32. In preparing disclosures to fulfil the requirements in paragraph 15, an entity shall avoid unnecessary duplication if the processes and policies that the entity uses to identify, assess, prioritize and monitor the potential challenges to achieving the intended outcomes of its climate-

related public policy programs is managed on an integrated basis with the entity's overall risk management processes.

Metrics and targets for climate-related public policy programs (see paragraphs 26–27)

Greenhouse gas emissions from climate-related public policy programs

AG2.33. Paragraph 26(a) requires entities to disclose the amount, approach, inputs and assumptions to estimating the increase or decrease in greenhouse gas emissions resulting from public policy programs. Entities shall disclose how the entity estimated the changes in greenhouse gas emissions and the assessment boundary. For example:

- (a) An entity may include outcomes resulting from a fuel efficiency regulation in its estimation of greenhouse gas emissions such as:
 - i. Intermediate effects, such as increased production of more efficient cars, increased consumption of more efficient vehicles, and decreased emissions per kilometer travelled; and
 - ii. Greenhouse gas effects, such as reduced tailpipe greenhouse emissions from vehicles.
- (b) An entity may include outcomes resulting from a home insulation subsidy in its estimation of greenhouse gas emissions such as:
 - i. Intermediate effects, such as increased production of insulation, and reduced demand for electricity and natural gas for heating; and
 - ii. Greenhouse gas effects, such as reduced emissions from electricity generation and use of natural gas.

AG2.34. Paragraph 27 requires an entity to disclose information about its targets for achieving intended outcomes of its climate-related public policy programs. In determining the baseline from which progress and the greenhouse gas emissions target is assessed, an entity may consider:

- (a) Establishing baseline scenarios and estimate baseline emissions in the absence of the policy program. For example, emissions generated from natural gas used for space heating in the case of a home insulation subsidy program; and
- (b) Establishing policy scenarios and estimating emissions in the presence of the policy program. For example, emissions reductions from natural gas used for space heating in the case of a home insulation subsidy program.

AG2.35. Public sector entities may have established methodologies to assess and monitor the performance and effectiveness of public policy programs, including methodologies to measure greenhouse gas emissions reasonably attributable to their climate-related public policy programs. Entities may also consider guidance on estimating emissions from public policy programs from other standards, such as the Greenhouse Gas Protocol Policy and Action Standard (2014). An entity shall disclose its methodologies used to estimate emissions reasonably attributable to the climate-related public policy program and to set its targets for achieving climate-related public policy program outcomes.

AG2.36. Entities shall disclose change in greenhouse gas emissions and related targets for climate-related public policy programs in effect during the reporting period. Disclosure about climate-related public policy programs that have ended or are no longer in effect are not required.

Other metrics for climate-related public policy program outcomes

AG2.37. Paragraph 26(b) requires an entity to disclose other metrics relevant to its climate-related public policy programs. This may include metrics that entities use to monitor achievement of the intended outcomes of their climate-related policy activities. In selecting such metrics, entities may consider factors such as geographical scope, service areas, and affected stakeholders, or other metrics relating to direct impacts on nature, people or the economy such as metrics and targets to manage and monitor:

- (a) Climate-related transition risks, for example metrics to monitor implementation and outcomes from climate-related regulations;
- (b) Climate-related physical risks, for example the amount or percentage of the scope of the entity's policy setting responsibilities (e.g. geography, services, individuals or entities) is vulnerable to climate-related physical risks;
- (c) Climate-related opportunities, for example metrics to evaluate climate-related technologies and opportunities;
- (d) Sinks and reservoirs, for example land use, land-use change and forestry management metrics;
- (e) Carbon markets and non-markets, for example carbon market efficiency and effectiveness metrics;
- (f) International financial, technological and development support, for example metrics related to capacity building support provided by developed nations for developing nations; and
- (g) Internal carbon prices, such as for project appraisals and policy design in relation to an entity's climate-related public policy programs (see paragraph AG2.38).

AG2.38. In addition to considering established metrics that the entity already reports on for its climate-related public policy programs, including those for reporting on the latest international agreement on climate change or other jurisdiction commitments on climate, entities shall consider which other metrics are relevant to the primary users of its climate-related disclosures and consider their inclusion in its general purpose financial reports directly or through cross-references to the entity's other reports (see paragraphs B.AG65–B.AG67). Other sources entities shall consider include:

- (a) Methodologies and guidance from other entities and organizations such as the United Nations Framework Convention on Climate Change (UNFCCC);
- (b) Metrics reported by other peer entities with similar functions of government or climate-related policy objectives; or
- (c) Input from stakeholder engagement.

AG2.39. If an entity discloses a metric taken from a source other than this [draft] Standard, the entity shall identify the source and the metric taken.

AG2.40. If a metric has been developed by an entity, the entity shall disclose information about:

- (a) How the metric is defined, including whether it is derived by adjusting a metric taken from a source other than this [draft] Standard and, if so, which source and how the metric disclosed by the entity differs from the metric specified in that source;

- (b) Whether the metric is an absolute measure, a measure expressed in relation to another metric or a qualitative measure (such as a red, amber, green—or RAG—status);
- (c) Whether the metric is validated and, if so, by whom; and
- (d) The method used to calculate the metric and the inputs to the calculation, including the limitations of the method used and the significant assumptions made.

AG2.41. The extent of data collection required for certain policy metrics may be significant and may not be possible to report on an annual basis or the costs of collecting data exceed the benefits. In such cases, certain metrics may be updated less than annually. Entities shall disclose the frequency and rationale where this may be the case.

Appendix B: General Requirements for Climate-related Disclosures

This Appendix is an integral part of [draft] IPSASB ED SRS X.

Definitions

B1. The following terms are used in this [draft] Standard with the meanings specified:

General purpose financial reports are reports that provide financial and non-financial information about a reporting entity that is useful to primary users in making decisions and to enable accountability. General purpose financial reports include—but are not restricted to—an entity's general purpose financial statements and climate-related disclosures.

Disclosure is **impracticable** when an entity cannot apply a requirement after making every reasonable effort to do so.

In the context of climate-related disclosures, **material information** is information that, if omitting, misstating or obscuring it could reasonably be expected to influence the discharge of accountability by the entity, or the decisions that primary users make on the basis of the entity's general purpose financial reports prepared for that reporting period.

Primary users of general purpose financial reports (primary user) are existing and potential service recipients and their representatives and resource providers and their representatives.

Conceptual foundations

B2. For climate-related information to be useful, it must provide information that is relevant, faithfully represent what it purports to represent, is understandable, timely, comparable and verifiable. These are qualitative characteristics of information included in general purpose financial reports.

Fair presentation

B3. A reporting entity shall present fairly:

- (a) **Its climate-related risks and opportunities that could reasonably be expected to affect the long-term fiscal sustainability of the entity, and**
- (b) **Where an entity has responsibility for a climate-related public policy programs, the outcomes that could reasonably be expected as a result of their climate-related public policy programs (see paragraph 2).**

B4. To identify an entity's climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes, an entity shall apply paragraphs B.AG1–B.AG27.

B5. Fair presentation requires disclosure of relevant information about climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes and their faithful representation in accordance with the principles set out in this [draft] Standard. To achieve faithful representation, an entity shall provide a depiction of those climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes that are complete, neutral and free from material error.

B6. Fair presentation also requires an entity:

- (a) To present information in a manner that provides relevant, understandable, timely, comparable, and verifiable information (see Appendix C: Qualitative Characteristics); and

- (b) To disclose additional information as needed to enable primary users of general purpose financial reports to sufficiently understand the effects of the entity's climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes.
- B7. Applying this [draft] Standard, with additional information disclosed when necessary (see paragraph B6(b)), is presumed to result in climate-related disclosures that achieve fair presentation.

Materiality

- B8. An entity shall disclose material information about an entity's climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes.
- B9. In the context of climate-related disclosures, information is material if omitting, misstating or obscuring it could reasonably be expected to influence the discharge of accountability by the entity, or the decisions that primary users make on the basis of the entity's general purpose financial reports prepared for that reporting period.
- B10. To identify and disclose material information, an entity shall apply paragraphs B.AG28–B.AG55.

Reporting entity

- B11. An entity's climate-related disclosures shall be for the same reporting entity as the related financial statements (see paragraph B.AG56).

Connected information

- B12. An entity shall provide information in a manner that enables primary users of climate-related reports to understand the following types of connections:
- (a) The connections between the items to which the information relates —such as connections between various climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes; and
 - (b) The connections between disclosures provided by the entity:
 - (i) Within its climate-related disclosures—such as connections between disclosures on governance, strategy and risk management and metrics and targets; and
 - (ii) Across its climate-related disclosures and other general purpose financial reports published by the entity —such as its related financial statements (see paragraphs B.AG57–B.AG62).
- B13. An entity shall identify the financial statements to which the climate-related disclosures relate.
- B14. Data and assumptions used in preparing the climate-related disclosures shall be consistent—to the extent possible, considering the requirements of IPSAS or other applicable GAAP, with the corresponding data and assumptions used in preparing the related financial statements (see paragraph B.AG60).
- B15. When currency is specified as the unit of measure in the climate-related disclosures, the entity shall use the presentation currency of its related financial statements.

General Requirements

Sources of guidance

Identifying climate-related risks and opportunities

- B16. An entity shall apply this [draft] Standard in identifying climate-related risks and opportunities that could reasonably be expected to affect an entity's long-term fiscal sustainability and, where applicable, climate-related public policy program outcomes.
- B17. In addition to this [draft] Standard, an entity may refer to and consider the applicability of:
- (a) The most recent pronouncements of other standard-setting bodies whose requirements are designed to meet the information needs of primary users of general purpose financial reports; and
 - (b) The climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes identified by peer entities or entities that operate in the same function of government or geographical region(s). An entity may refer to and consider sector standards such as the SASB Standards and GRI Sector Standards to consider applicability to the entity's circumstances.

Identifying applicable disclosure requirements

- B18. An entity shall apply this [draft] Standard in identifying applicable disclosure requirements about climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes.
- B19. In the absence of guidance or metrics in this [draft] Standard that specifically applies to an entity's specific circumstances and climate-related risk and opportunity and, where applicable, climate-related public policy program outcomes, an entity shall apply judgement to identify information that:
- (a) Is relevant to the decision-making of and enables accountability by primary users of general purpose financial reports; and
 - (b) Faithfully represents that climate-related risk and opportunity and, where applicable, climate-related public policy program outcomes.
- B20. In making the judgement described in paragraph B19:
- (a) An entity shall refer to and consider the applicability of peer disclosure metrics and may consider other guidance such as SASB Standards or GRI Sector Standards. An entity might conclude that such peer metrics are not applicable in the entity's circumstances.
 - (b) An entity may—to the extent that these sources do not conflict with this [draft] Standard—refer to and consider the applicability of:
 - (i) The most recent pronouncements of other standard-setting bodies whose requirements are designed to meet the information needs of primary users of general purpose financial reports; and
 - (ii) The information, including metrics, disclosed by peer entities or entities that operate in the same function of government or geographical region(s).

Disclosure of information about sources of guidance

B21. An entity shall identify and disclose:

- (a) The specific standards, pronouncements, industry practice and other sources of guidance that the entity has applied in preparing its climate-related disclosures, including, if applicable, peer disclosure metrics; and
- (b) Other sources of guidance relating to a particular industry(s) that the entity has applied in preparing its climate-related disclosures, including in identifying applicable metrics.

Location of disclosures

B22. **An entity is required to provide disclosures required by this [draft] Standard as part of its general purpose financial reports.**

B23. Subject to any regulation or other requirements that apply to an entity, there are various possible locations in its general purpose financial reports in which to disclose climate-related information. Climate-related disclosures could be included in an entity's management commentary or a similar report when it forms part of an entity's general purpose financial reports. Management commentary or a similar report is a required report in many jurisdictions. It might be known by or included in reports with various names, such as "management report", "management's discussion and analysis", "operating and financial review", "integrated report" or "strategic report".

B24. An entity may disclose information required by this [draft] Standard in the same location as information disclosed to meet other requirements, such as information required by regulators. The entity shall ensure that the climate-related disclosures are clearly identifiable and not obscured by that additional information (see paragraph B.AG52).

B25. Information required by this [draft] Standard may be included in climate-related disclosures by cross-reference to another report published by the entity. If an entity includes information by cross-reference, the entity shall apply the requirements in paragraphs B.AG65–B.AG67.

Timing of reporting

B26. **An entity shall report its climate-related disclosures at the same time as its related financial statements. The entity's climate-related disclosures shall cover the same reporting period as the related financial statements.**

B27. Normally, an entity prepares climate-related disclosures for a 12-month period. However, for practical reasons, some entities prefer to report, for example, for a 52-week period. This [draft] Standard does not preclude that practice.

B28. When an entity changes the end of its reporting period and provides climate-related disclosures for a period longer or shorter than 12 months, it shall disclose:

- (a) The period covered by the climate-related disclosures;
- (b) The reason for using a longer or shorter period; and
- (c) The fact that the amounts disclosed in the climate-related disclosures are not entirely comparable.

B29. If, after the end of the reporting period but before the date on which the climate-related disclosures are authorized for issue, an entity receives information about conditions that existed at the end of the

reporting period, it shall update disclosures that relate to those conditions in the light of the new information.

B30. An entity shall disclose information about transactions, other events and conditions that occur after the end of the reporting period, but before the date on which the climate-related disclosures are authorized for issue, if non-disclosure of that information could reasonably be expected to influence decisions that primary users of general purpose financial reports make on the basis of those reports.

B31. This [draft] Standard does not mandate which entities would be required to provide interim climate-related disclosures, how frequently, or how soon after the end of an interim period. If an entity is required or elects to publish interim climate-related disclosures in accordance with this [draft] Standard, the entity shall apply paragraph B.AG68.

Comparative information

B32. **An entity shall disclose comparative information in respect of the preceding period for all amounts disclosed in the reporting period. If such information would be useful for an understanding of the climate-related disclosures for the reporting period, the entity shall also disclose comparative information for narrative and descriptive climate-related information (see paragraphs B.AG69–B.AG79).**

B33. Amounts reported in climate-related disclosures might relate, for example, to metrics and targets or to current and anticipated financial effects of climate-related risk and opportunity and, where applicable, climate-related public policy program outcomes.

Statement of compliance

B34. **An entity whose climate-related disclosures comply with all the requirements of this [draft] Standard shall make an explicit and unreserved statement of compliance. An entity shall not describe climate-related disclosures as complying with this [draft] Standard unless they comply with all the requirements of this [draft] Standard.**

B35. This [draft] Standard relieves an entity from disclosing information otherwise required if law or regulation prohibits the entity from disclosing that information (see paragraph B.AG50). An entity using this exemption is not prevented from asserting compliance with this [draft] Standard.

Judgements, uncertainties and errors

Judgements

B36. **An entity shall disclose information to enable primary users of general purpose financial reports to understand the judgements, apart from those involving estimations of amounts (see paragraph B37), that the entity has made in the process of preparing its climate-related disclosures and that have the most significant effect on the information included in those disclosures.**

- (a) In the process of preparing climate-related information, an entity makes various judgements, apart from those involving estimations, that can significantly affect the information reported in the entity's climate-related disclosures. For example, an entity makes judgements in:
- (b) Identifying climate-related risks and opportunities and, where applicable, climate-related public policy programs outcomes;

- (c) Determining which sources of guidance to apply in accordance with paragraphs B16–B20;
- (d) Identifying material information to include in the climate-related disclosures; and
- (e) Assessing whether an event or change in circumstances is significant and requires reassessment of the scope of all affected climate-related risk and opportunity throughout the entity's value chain and, where applicable, climate-related public policy programs outcomes (see paragraph B.AG27).

Measurement uncertainty

B37. An entity shall disclose information to enable primary users of general purpose financial reports to understand the most significant uncertainties affecting the amounts reported in its climate-related disclosures.

B38. An entity shall:

- (a) Identify the amounts that it has disclosed that are subject to a high level of measurement uncertainty; and**
- (b) In relation to each amount identified in paragraph B38, disclose information about:**
 - (i) The sources of measurement uncertainty—for example, the dependence of the amount on the outcome of a future event, on a measurement technique or on the availability and quality of data from the entity's value chain; and**
 - (ii) The assumptions, approximations and judgements the entity has made in measuring the amount.**

B39. An entity shall apply this [draft] Standard in identifying applicable disclosure requirements about climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes.

B40. When amounts reported in climate-related disclosures cannot be measured directly and can only be estimated, measurement uncertainty arises. In some cases, an estimate involves assumptions about possible future events with uncertain outcomes. The use of reasonable estimates is an essential part of preparing climate-related information and does not undermine the usefulness of the information if the estimates are accurately described and explained. However, high levels of measurement uncertainty could potentially diminish the reliability of an estimate in providing useful information. In the context of climate-related disclosures, the incorporation of qualitative information can also enhance the overall usefulness of the information.

B41. The requirement in paragraph B37 for an entity to disclose information about the uncertainties affecting the amounts reported in climate-related disclosures relates to the estimates that require the entity's most difficult, subjective or complex judgements. As the number of variables and assumptions increases, those judgements become more subjective and complex, and the uncertainty affecting the amounts reported in the climate-related disclosures increases accordingly.

B42. The type and extent of the information an entity might need to disclose vary according to the nature of the amount reported in the climate-related disclosures—the sources of and the factors contributing to the uncertainty and other circumstances. Examples of the type of information an entity might need to disclose are:

- (a) The nature of the assumption or other source of measurement uncertainty;**

- (b) The sensitivity of the disclosed amount to the methods, assumptions and estimates underlying its calculation, including the reasons for the sensitivity;
- (c) The expected resolution of an uncertainty and the range of reasonably possible outcomes for the disclosed amount;
- (d) An explanation of changes made to past assumptions concerning the disclosed amount, if the uncertainty remains unresolved.

Errors

- B43. An entity shall correct material prior period errors by restating the comparative amounts for the prior period(s) disclosed unless it is impracticable to do so.**
- B44. Prior period errors are omissions from and misstatements in the entity's climate-related disclosures for one or more prior periods. Such errors arise from a failure to use, or the misuse of, reliable information that:
- (a) Was available when the climate-related disclosures for that period(s) were authorized for issue; and
 - (b) Could reasonably be expected to have been obtained and considered in the preparation of those disclosures.
- B45. Corrections of errors are distinguished from changes in estimates. Estimates are approximations that an entity might need to revise as additional information becomes known.
- B46. If an entity identifies a material error in its prior period climate-related disclosures, it shall apply paragraphs B.AG75–B.AG79.

Appendix B.AG: General Requirements for Climate-related Disclosures – Application Guidance

This Appendix is an integral part of [draft] IPSASB ED SRS X.

Climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes

- B.AG1. This [draft] Standard provides principles for an entity to disclose information about its climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes (see paragraphs 1-2).
- B.AG2. An entity shall use all reasonable and supportable information that is available to the entity at the reporting date without undue cost or effort (see paragraphs B.AG20–B.AG25):
- (a) To identify the climate-related risks and opportunities; and
 - (b) To determine the scope of its value chain, including its breadth and composition, in relation to each of those climate-related risks and opportunities and,
 - (c) Where applicable, climate-related public policy program outcomes.
- B.AG3. In determining material information for disclosure, an entity shall:
- (a) Understand its context (paragraphs B.AG4–B.AG15);
 - (b) Identify climate-related risks and opportunities, and where applicable, climate-related public policy program outcomes (paragraphs B.AG16–B.AG27); and
 - (c) Determine material information for disclosure (paragraphs B.AG28–B.AG55).

Understand the entity's context

- B.AG4. Understanding an entity's own context is an important first step that provides the entity with critical information for identifying its climate-related risks and opportunities and, where applicable, outcomes climate-related public policy programs. To understand from an entity's own context, the entity should understand its activities, relationships, stakeholders, and its climate context in which these occur.
- B.AG5. An entity's activities include all types of activities that an entity carries out to achieve its objectives. An entity should consider all aspects of its activities including for example the types of activities to deliver its services, the geographic location of these activities, the operating environment and economy, the intended beneficiaries, the nature of employees and other non-employees (e.g. contractors, volunteers) and the work they perform for the entity.
- B.AG6. Where an entity has public policy programs, its public policy programs directly or indirectly influence the behaviors and activities of other public sector entities, private sector entities, and/or individuals. Public policy programs refer to any incentives or obligations for other entities or individuals, and may include but is not limited to laws, directives, and decrees; regulations and standards; taxes, charges, subsidies and incentives (see paragraph AG2.4). This does not include an entity's internal policies that apply to the entity itself. An entity should consider all aspects of its public policy programs in understanding its own context, including its policy setting responsibilities, mandate and objectives and the entities or individuals that are within its scope of responsibilities and are or would be affected by its public policy programs.

- B.AG7. An entity's relationships include upstream suppliers and service providers, and downstream delivery of services or goods to beneficiaries, or other entities or individuals that are or would be affected by its public policy programs. For example:
- (a) A public hospital's relationships may include upstream suppliers of medical equipment and emergency vehicles as well as downstream patients receiving services;
 - (b) A regulator's relationships may include legislative bodies that approve policies and public or private corporations that are required to implement and adopt the regulator's policies;
 - (c) A taxation authority's relationships may include legislative bodies and private corporations and individuals that are required to pay taxes.
- B.AG8. Public sector value chains are based on public value creation, rather than profit oriented, through providing essential services to improve service recipients' quality of life and fostering trust in the jurisdiction. Public sector entities serve the public interest and have a wide-ranging set of stakeholders, including primary users. Value chains for an entity are often complex, involving relationships and interactions with multiple stakeholders, including citizens, other public sector agencies, private corporations and nonprofit institutions.
- B.AG9. Climate-related reporting shall consider all relevant stakeholders whose interests could reasonably be expected to be affected by the entity's activities, including those that may have a direct relationship with the entity (e.g. employees, local communities, suppliers, other entities or individuals that may be affected by public policy programs) or those who do not or are unable to articulate views (e.g. future generations).
- B.AG10. An understanding of these stakeholders supports identification of climate-related risks and opportunities and outcomes as a result of climate-related public policy programs. This may result in a broad set of climate-related risks and opportunities and climate-related public policy program outcomes, as engagement may be with a broader group than primary users of general purpose financial reports. However, this information will support the ultimate determination of material information that meets the needs of primary users for decision-making and accountability purposes.
- B.AG11. This is consistent with the guidance in the IPSASB Conceptual Framework for General Purpose Financial Reporting by Public Sector Entities (referred to as "Conceptual Framework") in relation to general purpose financial reports, that acknowledges that while those other than the primary users may find the information provided by general purpose financial reports useful, general purpose financial reports are not developed to specifically respond to their information needs.
- B.AG12. Climate-related reporting should consider the wider context and latest international developments on climate. Climate context includes:
- (a) Objective and authoritative developments and measures such as scientific research or consensus on climate issues;
 - (b) The latest international agreements on climate-related goals and conditions;
 - (c) Expectations of responsible conduct set out in authoritative intergovernmental instruments e.g. UN Sustainable Development Goals, Universal Declaration of Human Rights, UN Guiding Principles on Business and Human Rights, UN Declaration on the Rights of Indigenous Peoples and in other recognized sector-specific, local, regional or global instruments.

- B.AG13. An entity shall understand its role, objectives and how it contributes to deliver on climate change commitments, including the latest international agreements on climate change and related regional, national or subnational transition and adaptation plans. For example, an energy regulator whose objective is to ensure safe and efficient delivery of energy to its jurisdiction will contribute to climate change commitments by setting policies that support resource development of lower-emitting energy sources. In addition, the energy regulator would also identify climate-related risks and opportunities such as emissions from its operations or physical risks to facilities located near areas with increasing frequency of severe wildfires.
- B.AG14. If certain processes or assessments have been performed by higher levels of government relating to these commitments, such as processes to engage relevant stakeholders, established national risk registers or climate-related scenario analysis, an entity may consider the applicability of these to the entity's own circumstances and may avoid duplication of efforts to the extent applicable.
- B.AG15. The entity shall consider the activities, relationships, stakeholders, and climate context of all the entities it controls or has an interest in (e.g., controlled entities, joint arrangements, associates or holdings of other minority interests).

Identify climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes

Engagement with stakeholders to identify climate-related public policy program outcomes

- B.AG16. Public sector entities regularly engage with stakeholders on various issues. To support its climate-related reporting, an entity should also seek to consult relevant stakeholders directly or through their representatives and consult internal and external experts to provide input or feedback on its conclusions regarding outcomes.
- B.AG17. Broad engagement with stakeholders may be challenging in cases that involve stakeholders across jurisdictions or in cases that involve impacts resulting in collective harm. For example, broad engagement may be a challenge in the case of greenhouse gas emissions, which contribute to collective transboundary harm.
- B.AG18. In such cases, the entity may engage with credible stakeholder representatives or proxy organizations (e.g., non-governmental organizations, trade unions). For example, when considering a decision to introduce a strategy to reduce production and/or consumption of fossil fuels and transition to renewable energy production, it may be important to engage with companies and trade unions to consider the employment impacts of the decision.

Peer disclosures

- B.AG19. Entities are encouraged to consider the applicability of climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes that are common to other entities with similar operations, function of government, and/or geographic location as such disclosures may be expected by primary users of general purpose financial reports and may inform an entity's materiality judgements.

Reasonable and supportable information

- B.AG20. To identify climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes, including the processes to engage relevant stakeholders (see

paragraphs B.AG16-B.AG18), the entity shall use all reasonable and supportable information available to the entity without undue cost or effort.

- B.AG21. Reasonable and supportable information used by an entity in preparing its climate-related disclosures shall cover factors that are specific to the entity as well as general conditions in the external environment. In some cases—such as in identifying an entity’s climate-related risks and opportunities—reasonable and supportable information includes information about past events, current conditions and forecasts of future conditions.
- B.AG22. An entity may use various sources of data that may be both internal and external. Possible data sources include:
- (a) The entity’s risk management processes;
 - (b) Peer group experience; and
 - (c) External ratings, reports and statistics.
- B.AG23. Information that is used by the entity in preparing its financial statements, operations, setting its strategy and managing its risks and opportunities is considered to be available to the entity without undue cost or effort.
- B.AG24. An entity need not undertake an exhaustive search for information to identify an entity’s climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes. The assessment of what constitutes undue cost or effort depends on the entity’s specific circumstances and requires a balanced consideration of the costs and efforts for the entity and the benefits of the resulting information for primary users. That assessment can change over time as circumstances change.
- B.AG25. In some cases, an entity may leverage another entity’s processes, such as a national risk register or climate-related scenario analysis performed by centralized public sector entities in its jurisdiction. The entity shall consider the applicability of the other entity’s processes and findings and where applicable, cross-reference to the other entity’s reports and consider whether additional entity-specific information is required for primary users’ decision-making and accountability needs.

Reassessment of the scope of climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes

- B.AG26. Climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes may change over time as the entity’s activities, relationships, stakeholders and climate context evolve. New activities, new relationships, and major changes in operations or the operating context could lead to changes in the entity’s climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes. For this reason, the entity may, but is not required to, reassess its context and identify risks and opportunities and, where applicable, climate-related public policy program outcomes on an ongoing basis.
- B.AG27. At a minimum, an entity shall reassess the scope of all affected climate-related risks and opportunities throughout its value chain and, where applicable, climate-related public policy program outcomes on the occurrence of a significant event or significant change in circumstances. A significant event or significant change in circumstances can occur without the entity being involved in that event or change in circumstances or as a result of a change in what the entity assesses to be important to primary users of general purpose financial reports. For example, such significant events or significant changes in circumstances might include:

- (a) A significant change in the entity's operations model, activities or structure (for example, changes in structure or climate-related policy programs following a change in political leadership);
- (b) A significant change in exposure to climate-related risks and opportunities (for example, an increase in frequency or severity of extreme weather events in the entity's jurisdiction that increases risks to the entity); and
- (c) A significant change in the entity's value chain (for example, a supplier in the entity's value chain makes a change that significantly alters the supplier's greenhouse gas emissions).

Materiality (see paragraphs B8–B10)

- B.AG28. Primary users of public sector general purpose financial reports include service recipients and their representatives, such as legislature or members of parliament who act as representatives of citizens, eligible residents and taxpayers, and resource providers and their representatives, such as multilateral or bilateral donor agencies and lenders and corporations that provide resources to, and transact with, government.
- B.AG29. Information is material if omitting, misstating or obscuring it could influence the discharge of accountability by the entity, or the decisions that primary users make on the basis of the entity's general purpose financial reports prepared for that reporting period.
- B.AG30. Assessing whether information could reasonably be expected to influence decisions made by primary users requires an entity to consider the characteristics of primary users while also considering the entity's own circumstances.
- B.AG31. Service recipients and resource providers require climate-related information for accountability purposes that contributes to and informs decision-making. Climate-related information needs for accountability and decision-making may be different for different users. For example, a service recipient may look for information on the entity's climate resilience and ability to deliver its service objectives considering climate-related physical risks to inform how they vote or where they choose to live; while a central government may look for the entity's effective implementation of public policy programs and contribution to national transition and adaptation plans to inform its policy setting strategies and/or allocation of resources.
- B.AG32. Climate-related disclosures are prepared for primary users who have a reasonable knowledge of public sector programs and operations and who review and analyze the information diligently. At times, even well-informed and diligent primary users may need the aid of an adviser to understand climate-related information.
- B.AG33. Individual primary users may have different, and sometimes even conflicting, information needs and desires. Information needs of primary users may also evolve over time. Climate-related disclosures are intended to meet common information needs of primary users.

Identifying material information

- B.AG34. Materiality depends on both qualitative and quantitative information judged in the circumstances of each entity during the reporting period and in the future. Consequently, it is not possible to specify a uniform characteristic or set of characteristics at which a particular type of information becomes material.

- B.AG35. To identify material information about a climate-related risk or opportunity, or, where applicable, a climate-related policy outcome, an entity shall apply, as the starting point, the requirements of this [draft] Standard.
- B.AG36. An entity shall assess whether the information identified in applying this [draft] Standard, either individually or in combination with other information, is material in the context of the entity's climate-related disclosures taken as a whole. In assessing whether information is material, an entity shall consider both quantitative and qualitative factors. For example, an entity might consider the magnitude and the nature of the effect of a climate-related risk or opportunity or, where applicable, the magnitude and nature of a climate-related policy outcome.
- B.AG37. An entity need not disclose information otherwise required by the [draft] Standard if the information is not material. This is the case even if the [draft] Standard contains a list of specific requirements.
- B.AG38. Though materiality judgements are specific to an entity, entities are encouraged to consider the applicability of disclosures provided by peers. For example, if an entity is not exposed to a risk to which other peer entities are exposed, the lack of exposure to that particular risk could also be material information where an entity may be expected to incur that risk.

Qualitative judgements in materiality

- B.AG39. An entity generally assesses whether information is quantitatively material by considering the magnitude, such as the amount and size, of the transaction against measures of the entity's financial position, financial performance and cash flows. For example, the anticipated expenses to develop green infrastructure may be of such a size it could reasonably be expected to influence decisions that primary users make on the basis of that information.
- B.AG40. However, an item of information could reasonably be expected to influence primary users' decisions and assessment of accountability regardless of magnitude or size compared against the entity's financial position, financial performance and cash flows. For example:
- (a) How grave or difficult it is to remediate greenhouse gas emissions may influence an entity's primary users' decisions regardless of the size of those emissions;
 - (b) The lack of processes, such as the lack of climate-related reporting processes, could be material information;
 - (c) The number of individuals affected by climate-related public policy programs may be of such magnitude that it could reasonably be expected to influence decisions of primary users; and
 - (d) The range of estimates and the number of assumptions required to estimate the financial effects of a climate-related opportunity could influence how useful the information may be to meet primary users' accountability and decision-making needs.
- B.AG41. Information about a single climate-related risk or opportunity or, where applicable, climate-related public policy programs outcome, may not be material on an individual basis, but similar climate-related risks or opportunities or, where applicable, climate-related public policy program outcomes may be material when taken in aggregate. For example, an entity might be exposed to several climate-related risks, each of which could cause the same type of disruption (such as disruptions to the entity's supply chain). Information about an individual source of risk might not be material if disruption from that source is highly unlikely to occur. However, information about the aggregate risk—the risk of supply chain disruption from all sources—might be material.

- B.AG42. With regards to potential future climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes, an entity may assess whether information is qualitatively material by considering the likelihood of the potential climate-related risk or opportunity or climate-related policy outcome. For example:
- B.AG43. Information about a possible future event is more likely to be judged as being material if the potential effects are significant and the event is likely to occur;
- B.AG44. If a possible future event is expected to affect an entity or society, but only many years in the future, information about that event is usually less likely to be judged material than information about a possible future event with similar effects that are expected to occur sooner; and
- B.AG45. Whether a climate-related opportunity is currently being pursued as part of its approved strategy, as opposed to a general opportunity for the entity, may affect how useful the information is to the user for decision-making purposes.
- B.AG46. In some circumstances, an item of information could reasonably be expected to influence primary users' decisions regardless of the magnitude of the potential effects of the future event or the timing of that event. For example, this might happen if information about a particular risk or opportunity is highly scrutinized by primary users of an entity's general purpose financial reports.
- B.AG47. An entity must consider the context in which it operates when making materiality judgements, and in respect of prospective information, the preparer's knowledge and expectations about the future, including the range of possible outcomes and the likelihood within that range and all pertinent facts and circumstances. An entity shall also consider whether information about low-probability and high-severity outcomes might be material either individually or in combination with information about other low-probability and high-severity outcomes.

Interaction with law or regulation

- B.AG48. Law or regulation might specify requirements for an entity to disclose climate-related information in its general purpose financial reports. In such circumstances, the entity is permitted to include in its climate-related disclosures information to meet legal or regulatory requirements, even if that information is not material. However, such information shall not obscure material information.
- B.AG49. An entity shall disclose material climate-related information, even if law or regulation permits the entity not to disclose such information.
- B.AG50. An entity need not disclose information otherwise required by this [draft] Standard if law or regulation prohibits the entity from disclosing that information. If an entity omits material information for that reason, it shall identify the type of information not disclosed and explain the source of the restriction to the extent allowed by law and regulation.

Reporting material information

- B.AG51. An entity should report information in a concise way and aggregate information where useful without omitting necessary details. An entity should consider the appropriate level of aggregation or disaggregation, for example, by geographical location, by nature or by function, in light of all relevant facts and circumstances.
- B.AG52. An entity should not obscure material information. Information is obscured if it is communicated in a way that would have a similar effect for primary users to omitting or misstating that information. Examples of circumstances that might result in material information being obscured include:

- (a) Material information is not clearly distinguished from additional information that is not material;
- (b) Material information is disclosed in the climate-related disclosures, but the language used is vague or unclear;
- (c) Material information about a climate-related risk or opportunity or climate-related public policy program outcome is unreasonably scattered throughout the climate-related disclosures;
- (d) Items of information that are dissimilar are inappropriately aggregated;
- (e) Items of information that are similar are inappropriately disaggregated; and
- (f) The understandability of the climate-related disclosures is reduced as a result of material information being hidden by immaterial information to the extent that a primary user is unable to determine what information is material.

B.AG53. An entity shall reassess its materiality judgements at each reporting date to take account of changed circumstances and assumptions. Because of changes in the entity's individual circumstances, or in the external environment, some types of information included in an entity's climate-related disclosures for prior periods might no longer be material. Conversely, some types of information not previously disclosed might become material.

Aggregation and disaggregation

B.AG54. When an entity applies this [draft] Standard, it shall consider all facts and circumstances and decide how to aggregate and disaggregate information in its climate-related disclosures. The entity shall not reduce the understandability of its climate-related disclosures by obscuring material information with immaterial information or by aggregating material items of information that are dissimilar to each other.

B.AG55. An entity shall not aggregate information if doing so would obscure information that is material. Information shall be aggregated if items of information have shared characteristics and shall not be aggregated if they do not have shared characteristics. The entity might need to disaggregate information about climate-related risks and opportunities and climate-related public policy program outcomes, for example, by geographical location.

Reporting entity and connected information (see paragraphs B12–B15)

B.AG56. Climate-related disclosures should be reported for the same reporting entity as the related general purpose financial statements. This enables primary users of general purpose financial reports to understand the effects of climate-related risks and opportunities and climate-related public policy program outcomes on the reporting entity's finances.

B.AG57. Paragraph B12 requires an entity to provide information in a manner that enables primary users of general purpose financial reports to understand connections both between the items that could reasonably be expected to affect the entity's long-term fiscal sustainability and between disclosures provided by the entity in its general purpose financial reports.

B.AG58. Connected information provides insight into connections between the items to which the information relates. For example:

- (a) If an entity passed a particular climate-related policy and that resulted in an increase in the entity's tax revenue, connected information will depict that relationship between the entity's strategy and its financial statements;
- (b) If an entity identified a trade-off between two climate-related risks it is exposed to or outcomes from different climate-related policy pathways, and took action on the basis of its assessment of that trade-off, connected information will depict the relationship between those risks or outcomes and the entity's strategy; and
- (c) If an entity committed to a particular climate-related target, but that commitment has not yet affected the entity's financial position or financial performance because the applicable recognition criteria have not been met, connected information will depict that relationship.

B.AG59. Connected information includes:

- (a) Connections between various types of information about a particular climate-related risk or opportunity or climate-related public policy program outcome, such as:
- (b) Between disclosures on governance, strategy and impact and risk management; and
- (c) Between narrative information and quantitative information (including related metrics and targets and information in the related financial statements).
- (d) Connections between disclosures about various climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes. For example, if an entity integrates its oversight of climate-related risks and opportunities and climate-related public policy program outcomes, the entity shall integrate the disclosures on governance instead of providing separate disclosures on governance for each climate-related risk and opportunity and climate-related public policy program outcomes.

B.AG60. Drawing connections between disclosures involves, but is not limited to, providing necessary explanations and cross-references and using consistent data, assumptions, and units of measure. In providing connected information, an entity shall:

- (a) Explain connections between disclosures in a clear and concise manner; and
- (b) Disclose information about significant differences between the data and assumptions used in preparing the entity's climate-related disclosures and the data and assumptions used in preparing the related financial statements.

B.AG61. For example, in providing connected information an entity might need to explain the effect or likely effect of its strategy on its financial statements and financial planning, or explain how that strategy relates to the metrics the entity uses to measure progress against targets. Another entity might need to explain how its use of natural resources or changes within its value chain could amplify or, in contrast, reduce its climate-related risks and opportunities. The entity might need to link the information about its use of natural resources or changes within its value chain to information about current or anticipated financial effects, its strategic response to mitigate those risks and its related investment in new assets. The entity might need to link narrative information to the related metrics and targets and to information in the related financial statements.

B.AG62. Other examples of connected information include:

- (a) An explanation of the combined effects of the entity's climate-related risks and opportunities and its strategy on its long-term fiscal sustainability over the short, medium and long term.

For example, an entity might face social pressure and increasing demand for lower-carbon alternatives. The entity might need to explain how its strategic response, such as transitioning to electric buses affects the useful lives of its assets and on impairment assessments.

- (b) A description of the alternatives that an entity evaluated in setting its strategy in response to its climate-related risks and opportunities and climate-related public policy program outcomes, including a description of the trade-offs between those climate-related risks and opportunities and climate-related public policy program outcomes that the entity considered (see paragraph AG2.1(a)). For example, an entity might need to explain the potential effects of its policies to support transition to renewable energy in response to climate-related risks on local communities.

General requirements

Sources of guidance (see paragraphs B16–B21)

B.AG63. An entity may—to the extent that these sources assist the entity in meeting the objective of this [draft] Standard (see paragraphs 1–2) and do not conflict with this [draft] Standard—refer to and consider the applicability of sources such as:

- (a) IFRS Sustainability Disclosure Standards;
- (b) The Global Reporting Initiative Standards;
- (c) UN System of Environmental Economic Accounting (UN SEEA); and
- (d) Country or region-specific sources (e.g. European Sustainability Reporting Standards).

B.AG64. In applying the sources of guidance specified in paragraph B.AG63, an entity shall not obscure material information required by this [draft] Standard (see paragraph B.AG52). If an entity applies the sources of guidance specified in paragraph B.AG63 without applying the requirements in this [draft] Standard, the entity shall not make an explicit and unreserved statement of compliance with this [draft] Standard.

Information included by cross-reference (see paragraph B24)

B.AG65. Information required by this [draft] Standard might be available in another report published by the entity. For example, the required information could be disclosed in the related financial statements. Material information can be included in an entity's climate-related disclosures by cross-reference, provided that:

- (a) The cross-referenced information is available on the same terms and at the same time as the climate-related disclosures; and
- (b) The climate-related disclosures are not made less understandable by including information by cross-reference.

B.AG66. Information included by cross-reference becomes part of the climate-related disclosures and shall comply with the requirements of this [draft] Standard. For example, it needs to be relevant, representationally faithful, comparable, verifiable, timely and understandable. The body(s) or individual(s) that authorizes the general purpose financial reports takes the same responsibility for the information included by cross-reference as it does for the information included directly.

B.AG67. If information required by this [draft] Standard is included by cross-reference:

- (a) The climate-related disclosures shall clearly identify the report within which that information is located and explain how to access that report; and
- (b) The cross-reference shall be to a precisely specified part of that report.

Interim reporting (see paragraph B30)

B.AG68. In the interest of timeliness and cost considerations, and to avoid repetition of information previously reported, an entity may be required or choose to provide less information at interim dates than it provides in its annual climate-related disclosures. Interim climate-related disclosures are intended to provide an update on the latest climate-related information. These disclosures focus on new information, events and circumstances and do not duplicate information previously reported. Although the information provided in interim climate-related disclosures may be more condensed than in annual climate-related disclosures, an entity is not prohibited or discouraged from publishing a complete climate-related disclosures report as specified in this [draft] Standard as part of its interim general purpose financial report.

Comparative information

B.AG69. Paragraph B32 requires an entity to disclose comparative information in respect of the preceding period for all amounts disclosed in the reporting period.

Metrics

B.AG70. In some cases, the amount disclosed for a metric is an estimate. Except as specified in paragraph B.AG71, if an entity identifies new information in relation to the estimated amount disclosed in the preceding period and the new information provides evidence of circumstances that existed in that period, the entity shall:

- (a) Disclose a revised comparative amount that reflects that new information;
- (b) Disclose the difference between the amount disclosed in the preceding period and the revised comparative amount; and
- (c) Explain the reasons for revising the comparative amount.

B.AG71. In applying the requirement in paragraph B.AG73, an entity need not disclose a revised comparative amount:

- (a) If it is impracticable to do so (see paragraph B.AG74);
- (b) If the metric is forward-looking. Forward-looking metrics relate to possible future actions, events and other conditions. The entity is permitted to revise a comparative amount for a forward-looking metric if doing so does not involve the use of hindsight.

B.AG72. If an entity redefines or replaces a metric in the reporting period, the entity shall:

- (a) Disclose a revised comparative amount, unless it is impracticable to do so;
- (b) Explain the changes; and
- (c) Explain the reasons for those changes, including why the redefined or replacement metric provides more useful information.

B.AG73. If an entity introduces a new metric in the reporting period, it shall disclose a comparative amount for that metric unless it is impracticable to do so.

- B.AG74. Sometimes, it is impracticable to revise a comparative amount to achieve comparability with the reporting period. For example, data might not have been collected in the preceding period in a way that allows retrospective application of a new definition of a metric, and it might be impracticable to recreate the data. If it is impracticable to revise a comparative amount for the preceding period, an entity shall disclose that fact.

Errors

- B.AG75. Paragraphs B43–B46 requires an entity to correct material prior period errors.
- B.AG76. Such errors include: the effects of mathematical mistakes, mistakes in applying the definitions for metrics or targets, oversights or misinterpretations of facts, and fraud.
- B.AG77. Potential reporting period errors discovered in that period are corrected before the climate-related disclosures are authorized for issue. However, material errors are sometimes not discovered until a subsequent period.
- B.AG78. If an entity identifies a material error in its prior period(s) climate-related disclosures, it shall disclose:
- (a) The nature of the prior period error;
 - (b) The correction, to the extent practicable, for each prior period disclosed; and
 - (c) If correction of the error is impracticable, the circumstances that led to the existence of that condition and a description of how and from when the error has been corrected.
- B.AG79. When it is impracticable to determine the effect of an error on all prior periods presented, the entity shall restate the comparative information to correct the error from the earliest date practicable.

Appendix C: Qualitative Characteristics

This Appendix is an integral part of [draft] IPSASB ED SRS X.

Introduction

- C1. The Conceptual Framework establishes the objective and concepts that underpin general purpose financial reporting by public sector entities.
- C2. Climate-related disclosures are part of general purpose financial reports. The qualitative characteristics in the Conceptual Framework, therefore, apply to climate-related information. However, the nature of some of the information required to meet the objective of this [draft] Standard (see paragraphs 1–2) differs in some respects from the information provided in financial statements.
- C3. Climate-related information is useful if it has the qualitative characteristics of relevance, faithful representation, understandability, timeliness, comparability and verifiability.

Qualitative characteristics of useful climate-related information

Relevance

- C4. Climate-related information is relevant if it is capable of making a difference in achieving the reporting objectives of accountability and decision-making. Information may be capable of making a difference, and thus be relevant, even if some primary users choose not to take advantage of it or are already aware of it from other sources. It is capable of making a difference in decisions or evaluation of accountability by primary users if it has confirmatory value, predictive value, or both.
- C5. Climate-related information has confirmatory value if it confirms or changes past (or present) expectations.
- C6. Climate-related information has predictive value in helping form expectations about the future. Climate-related information need not be a prediction or forecast to have predictive value. For example, information about water quality, which can include information about the water being polluted, could inform the expectations of primary users about the ability of an entity to meet local water-quality requirements. Climate-related information with predictive value is employed by primary users in making their own predictions.
- C7. The confirmatory and predictive roles of information are interrelated—for example, information for the current year about greenhouse gas emissions, which can be used as the basis for predicting greenhouse gas emissions in future years, can also be compared with predictions about greenhouse gas emissions for the current year that were made in past years. The results of those comparisons can help a user to correct and improve the processes that were used to make those previous predictions.

Faithful representation

- C8. To be useful, climate-related information must faithfully represent the substance of the phenomena that it purports to represent. To be a faithful representation, a depiction would be complete, neutral and free from material error.
- C9. In practice, it may not be possible to know or confirm whether information presented is complete, neutral, and free from material error. However, information should be as complete, neutral, and free from error as is possible.

- C10. An omission of some information can cause the representation of a phenomenon to be false or misleading, and thus not useful to primary users. A complete depiction of a climate-related risk or opportunity, or outcome from climate-related public policy program includes all material information necessary for primary users to understand that risk, opportunity or outcome.
- C11. Neutrality in reporting is the absence of bias. It means that the selection and presentation of climate-related information is not made with the intention of attaining a particular predetermined result—for example, to influence in a particular way primary users' assessment of the discharge of accountability by the entity or a decision or judgment that is to be made, or to induce particular behavior.
- C12. Neutral information faithfully represents the phenomena that it purports to represent. However, to require information included in general purpose financial reports to be neutral does not mean that it is not without purpose or that it will not influence behavior. Relevance is a qualitative characteristic and, by definition, relevant information is capable of influencing primary users' assessments and decisions. Some climate-related information—for example, targets or plans—is aspirational. A neutral discussion of such matters covers both aspirations and the factors that could prevent an entity from achieving these aspirations.
- C13. Neutrality is supported by the exercise of prudence. Prudence is the exercise of caution when making judgements under conditions of uncertainty. The exercise of prudence means that positive outcomes or opportunities are not overstated and negative outcomes or risks are not understated. Equally, the exercise of prudence does not allow for the understatement of positive outcomes or opportunities or the overstatement of negative outcomes or risks.
- C14. The exercise of prudence does not imply a need for asymmetry; for example, a systematic need for more persuasive evidence to support disclosure of climate-related risks than opportunities. Particular standards may contain asymmetric requirements where there is a consequence of decisions intended to select the most relevant information that faithfully represents what it purports to represent.
- C15. The phenomena represented in general purpose financial reports generally occur under conditions of uncertainty. Information included in general purpose financial reports will therefore often include estimates that incorporate management's judgment. To faithfully represent phenomenon, an estimate must be based on appropriate inputs, and each input must reflect the best available information. Caution will need to be exercised when dealing with uncertainty. It may sometimes be necessary to explicitly disclose the degree of uncertainty in climate-related information to faithfully represent the phenomena.
- C16. Free from material error does not mean complete accuracy in all respects. Free from material error means there are no errors or omissions that are individually or collectively material in the description of the phenomenon, and the process used to produce the reported information has been applied as described. In some cases, it may be possible to determine the accuracy of some information—for example, the governance and impact and risk management practices of the entity. However, in other cases it may not—for example, the accuracy of an estimate of Scope 3 greenhouse gas emissions. In these cases, the estimate will be free from material error if the amount is clearly described as an estimate, the nature and limitations of the estimation process are explained, and no material errors have been identified in selecting and applying an appropriate process for developing the estimate.

Understandability

- C17. Climate-related information shall be clear and concise. For climate-related disclosures to be concise, they need:

- (a) To avoid generic information, sometimes called “boilerplate”, that is not specific to the entity;
 - (b) To avoid duplication of information in the general purpose financial reports, including unnecessary duplication of information also provided in the related financial statements; and
 - (c) To use clear language and clearly structured sentences and paragraphs.
- C18. The clearest form a disclosure can take will depend on the nature of the information and might include tables, graphs or diagrams in addition to narrative text. If graphs or diagrams are used, additional text or tables might be necessary to avoid obscuring material detail.
- C19. Clarity might be enhanced by distinguishing information about developments in the reporting period from ‘standing’ information that remains unchanged, or changes little, from one period to the next—for example, by separately describing features of an entity’s climate-related governance and risk management processes that have changed since the previous reporting period.
- C20. Disclosures are concise if they include only material information. Any immaterial information included shall be provided in a way that avoids obscuring material information.
- C21. Some climate-related information may be particularly complex and might be difficult to present in a manner that is easy to understand. All efforts should be undertaken to represent the information in a manner that is understandable to a wide range of primary users. However, information should not be excluded from climate-related disclosures solely because it may be too complex or difficult for some primary users to understand without assistance.
- C22. Understandability is enhanced when information is classified, characterized, and presented clearly and concisely. Comparability also can enhance understandability. The completeness, clarity and comparability of climate-related information all rely on information being presented as a coherent whole. For climate-related information to be coherent, it shall be presented in a way that explains the context and the connections between the related items of information.
- C23. If climate-related information located in one part of an entity’s general purpose financial reports have implications for information disclosed in other parts, the entity shall include the information necessary for primary users to assess those implications.
- C24. Coherence also requires an entity to provide information in a way that allows primary users to relate information about its climate-related risks and opportunities and, where applicable, climate-related public policy program outcomes to information in the entity’s financial statements.

Timeliness

- C25. Timeliness means having information available for primary users before it loses its capacity to be useful for accountability and decision-making purposes. Having relevant information available sooner can enhance its usefulness as input to assessments of accountability and its capacity to inform and influence decisions that need to be made. A lack of timeliness can render information less useful.

Comparability

- C26. Comparability is the quality of information that enables primary users to identify similarities in, and differences between, two sets of phenomena. Comparability is not a quality of an individual item of information, but rather a quality of the relationship between two or more items of information.
- C27. Comparability differs from consistency. Consistency refers to the use of the same approaches and basis of preparation of sustainability-related information, either from period to period within an entity

or in a single period across more than one entity. Comparability is the goal, and consistency helps in achieving that goal. In some cases, the approaches or methodologies adopted by an entity may be revised to better represent particular climate-related information. In these cases, the inclusion of additional disclosures or explanation may be necessary to satisfy the characteristics of comparability.

- C28. Comparability also differs from uniformity. For information to be comparable, like things must look alike and different things must look different. An over-emphasis on uniformity may reduce comparability by making unlike things look alike. Comparability of climate-related information is not enhanced by making unlike things look alike, any more than it is by making like things look different.

Verifiability

- C29. Verifiability is the quality of information that helps to give primary users confidence that information faithfully represents the phenomena that it purports to represent. The characteristic implies that different knowledgeable and independent observers could reach general consensus, although not necessarily complete agreement, that either:
- (a) The information represents the phenomena that it purports to represent without material error or bias; or
 - (b) An appropriate recognition, measurement, or representation method has been applied without material error or bias.
- C30. To be verifiable, information need not be a single point estimate. A range of possible amounts and the related probabilities also can be verified.
- C31. The quality of verifiability is not an absolute—some information may be more or less capable of verification than other information. However, the more verifiable the information is, the more it will help to give primary users confidence that the information faithfully represents the phenomena that it purports to represent. Climate-related information can be more verifiable by, for example:
- (a) Including information that can be corroborated by comparing it with other information available to primary users about an entity's operations, about other entities with similar activities or operations, or about the external environment in which the entity operates;
 - (b) Providing information about inputs and methods of calculation used to produce estimates or approximations; and
 - (c) Providing information reviewed and agreed by the entity's governing bodies, committees or equivalent.
- C32. Some climate-related information may include financial and other quantitative information and explanations about the anticipated future effects or outcomes, or prospective financial and non-financial information. It may not be possible to verify the accuracy of all quantitative representations and explanations of such information until a future period, if at all.
- C33. To help give confidence to primary users that prospective financial and non-financial information and explanations faithfully represents the phenomena that they purport to represent, the assumptions that underlie the information disclosed, the methodologies adopted in compiling that information, and the factors and circumstances that support any opinions expressed or disclosures made should be transparent. This will enable primary users to form judgments about the appropriateness of those assumptions and the method of compilation, measurement, representation and interpretation of the information.

Constraints on climate-related information included in general purpose financial reports*Materiality*

- C34. Information is material if omitting, misstating or obscuring it could reasonably be expected to influence the discharge of accountability by the entity, or the decisions that primary users make on the basis of the entity's general purpose financial reports prepared for that reporting period. Materiality depends on both the nature and magnitude of the item judged in the particular circumstances of each entity.
- C35. Assessments of materiality will be made in the context of the legislative, institutional and operating environment within which the entity operates and, in respect of prospective financial and non-financial information, the preparer's knowledge and expectations about the future. Disclosure of information about compliance or non-compliance with legislation, regulation or other authority may be material because of its nature—irrespective of the magnitude of any amounts involved. In determining whether an item is material in these circumstances, consideration will be given to such matters as the nature, legality, sensitivity and consequences of past or anticipated transactions and events, the parties involved in any such transactions and the circumstances giving rise to them.
- C36. Materiality is classified as a constraint on information included in general purpose financial reports in the Conceptual Framework. In developing the [draft] Standard, the IPSASB has considered the materiality of the consequences of disclosure requirements of a particular item or type of information. Subject to the requirements of the [draft] Standard, entities preparing climate-related information will also consider the materiality of the separate disclosure of particular items of information.

Cost-benefit

- C37. Reporting climate-related information imposes costs. The benefits of reporting should justify those costs. Assessing whether the benefits of providing information justify the related costs is often a matter of judgment, because it is often not possible to identify and/or quantify all the costs and all the benefits of information included in general purpose financial reports.
- C38. The costs of providing information include the costs of collecting and processing the information, the costs of verifying it and/or presenting the assumptions and methodologies that support it, and the costs of disseminating it. Primary users incur the costs of analysis and interpretation. Omission of useful information also imposes costs, including the costs that primary users incur to obtain needed information from other sources and the costs that result from making decisions using incomplete data provided by general purpose financial reports.
- C39. Preparers expend the majority of the effort to provide climate-related information. However, service recipients and resource providers ultimately bear the cost of those efforts—because resources are redirected from service delivery activities to preparation of information for inclusion in general purpose financial reports.
- C40. Primary users reap the majority of benefits from the climate-related information. However, climate-related information may also be used internally by management and result in better decision-making by management. The disclosure of climate-related information consistent with this [draft] Standard will enhance and reinforce perceptions of the transparency of climate reporting by governments and other public sector entities and may contribute to the more accurate pricing of public sector debt. Therefore, public sector entities may also benefit in a number of ways from climate reporting.
- C41. Application of the cost-benefit constraint involves assessing whether the benefits of reporting information are likely to justify the costs incurred to provide and use the information. When making

this assessment, it is necessary to consider whether one or more qualitative characteristic might be sacrificed to some degree to reduce cost.

- C42. In developing this [draft] Standard, the IPSASB considers information from preparers, primary users, academics, and others about the expected nature and quantity of the benefits and costs of the proposed requirements. Disclosure requirements which result in the presentation of climate-related information useful to primary users for accountability and decision-making purposes and satisfy the qualitative characteristics are prescribed by this [draft] Standard when the benefits of compliance with those disclosures requirements are assessed by the IPSASB to justify their costs.

Balance between the qualitative characteristics

- C43. The qualitative characteristics work together to contribute to the usefulness of information. For example, neither a depiction that faithfully represents an irrelevant phenomenon, nor a depiction that unfaithfully represents a relevant phenomenon, results in useful information. Similarly, to be relevant, information must be timely and understandable.
- C44. In some cases, a balancing or trade-off between qualitative characteristics may be necessary to achieve the objectives of climate-related reporting. The relative importance of the qualitative characteristics in each situation is a matter of professional judgment. The aim is to achieve an appropriate balance among the characteristics in order to meet the objectives of climate reporting.

Basis for Conclusions

This Basis for Conclusions accompanies, but is not part of, [draft] IPSASB ED SRS X.

Introduction

- BC1. IPSASB SRS ED, X *Climate-related Disclosures* is based on proposals set out in the Consultation Paper (CP), *Advancing Public Sector Sustainability Reporting* published in May 2021. Respondents strongly supported the proposals in the CP, including the need for public sector specific sustainability reporting standards, and that climate-related disclosures should be prioritized as the most urgent topic.
- BC2. Consistent with IPSAS, this [draft] Standard is designed to apply to public sector entities that meet all the following 3 criteria:
- (a) Are responsible for the delivery of services to benefit the public and/or to redistribute income and wealth;
 - (i) Services encompasses goods, services and policy advice, including to other public sector entities.
 - (b) Mainly finance their activities, directly or indirectly, by means of taxes and/or transfers from other levels of government, social contributions, debt or fees; and
 - (c) Do not have the primary objective to make profits;
- Adoption of this [draft] Standard does not require adoption of IPSAS; entities may choose to adopt either standard without the requirement to adopt the other.
- BC3. Consistent with the Conceptual Framework, this [draft] Standard applies to a wide range of public sector entities, including:
- (a) National, regional, state/provincial and local governments;
 - (b) Government ministries, departments, programs, boards, commissions, agencies;
 - (c) Public sector social security funds, trusts and statutory authorities; and
 - (d) International governmental organizations.

Public sector approach

- BC4. General purpose financial reports of public sector entities are developed primarily to respond to the information needs of service recipients and resource providers who do not possess the authority to require a public sector entity to disclose the information they need for accountability and decision-making purposes.
- BC5. Drawing on the Conceptual Framework, the IPSASB agreed that service recipients and resource providers are the primary users of climate-related disclosures. This includes citizens, taxpayers, multilateral or bilateral donor agencies, and lenders that provide resources, such as investors. In addition, representatives of these groups such as the legislature (or a similar body), members of parliament (or a similar representative body) are also the primary users of climate-related disclosures.
- BC6. The primary users for public sector reports are therefore broader than for private sector reports, where the primary users are existing and potential investors. Based on experience in setting the

IPSAS, while the information needs of non-investor public sector primary users may align with those of investors in many cases - information needs generally differ where there are transactions unique to the public sector. In the case of sustainability reports, primary user needs will extend beyond the financial effects of climate-related risks and opportunities for an entity's own operations.

- BC7. The majority of CP respondents supported the approach of leveraging private sector guidance to the extent appropriate, starting with the IFRS Sustainability Disclosure Standards, while also considering the multistakeholder approach from the GRI Standards.
- BC8. Therefore, this [draft] Standard has been developed reflecting the following primary sources:
- (a) The CP and feedback from constituents that drive the principles and needs for public sector sustainability reporting;
 - (b) IPSASB literature, including the Conceptual Framework which addresses general purpose financial reports and non-financial information, provides key public sector concepts (e.g. defines primary users, clarifies the objective of reporting, which is to facilitate decision-making and accountability, defines reporting entity and qualitative characteristics of reporting) and IPSASB's non-mandatory Recommended Practice Guidelines (RPG); and
 - (c) International standards, primarily building on the ISSB Sustainability Disclosure Standards using IPSASB's existing process for Reviewing and Adapting IASB Documents.
- BC9. During the development of this [draft] Standard, the IPSASB considered the challenges to developing public sector-specific sustainability reporting standards, specifically:
- (a) The need for public sector specific guidance, given the diversity of services and reporting contexts across different levels of public sector entities;
 - (b) The need for alignment with private sector guidance where possible and appropriate, given the importance of interoperability due to:
 - (i) The interconnectivity of value chains across public and private sector reporting;
 - (ii) The significance of sovereign bonds in the global bond market, where investors – one of the primary users of public sector sustainability reporting, provide resources for public sector entities; and
 - (iii) The growing use of blended finance in addressing climate challenges; and
 - (c) The urgent need for a climate-related disclosure standard, given the urgency of addressing long-term shifts in temperature and weather patterns, and the importance of the public sector in driving widespread action.
- BC10. Given the urgent need for a climate-related reporting standard, the IPSASB considered the extent to which it could leverage private sector guidance, recognizing the potential similarities between the public and private sectors.
- BC11. The IPSASB decided that guidance aligned with IFRS S1 – *General Requirements for Disclosure of Sustainability-related Financial Information* (IFRS S1) and IFRS S2 – *Climate-related Disclosures* (IFRS S2) would meet the core information needs of primary users of public sector climate-related disclosures, and would provide information regarding the entity's long term fiscal sustainability and its own operations, including efficient delivery of services, that would enable better decision-making and accountability.

- BC12. Therefore, the IPSASB prioritized aligning with the IFRS S1 and IFRS S2 private sector guidance to ensure consistency and interoperability between private and public sector reporting, while considering the additional information needs of primary users of public sector climate-related disclosures. This alignment is reflected both in the core text and application guidance – where private sector guidance and definitions have been drawn on as directly as possible to meet the objectives of public sector reporting, using IPSASB's Process for Reviewing and Adapting IASB Documents.

Addressing the public sector policy and regulatory role

- BC13. As a result of their sovereign powers, governments and other public sector entities have the ability to regulate the activities of other entities, including other public sector entities, private sector entities and/or individuals, either directly or through specifically created agencies. The underlying rationale for such regulation is to safeguard public interest in accordance with specified public policy objectives, such as combatting climate change. Therefore, the IPSASB decided that the policy and regulatory role of public sector entities is a key characteristic that requires public sector-specific disclosures.
- BC14. Given the potential breadth of public sector entities' mandates, the volume of public policy programs, and the need to balance practical implementation and cost-benefit challenges, the IPSASB decided that the scope of disclosures for public policy programs required under this [draft] Standard should be limited to programs with a primary objective to achieve climate-related outcomes.
- BC15. The IPSASB acknowledged that many public policy programs can have such outcomes that affect climate, whether positively or negatively, and that multiple public policy programs may be needed and must interact to collectively address the issues of climate change. For example, the effectiveness of a public policy program to reduce emissions in an energy sector should be in the context of/in combination with the existing regulations and market structures.
- BC16. Further, the IPSASB considered it would be onerous to require disclosures for both direct and indirect outcomes of all public policy programs of the public sector. Instead, the [draft] Standard requires entities to disclose, where applicable, public policy programs with a primary objective to achieve climate-related outcomes. Reporting climate-related information at an entity level provides more granular information, enhances data availability, improves entity-level accountability, and strengthens broader climate-related reporting, such as at the whole-of-government or jurisdictional level.
- BC17. The IPSASB instead decided that entities may provide disclosures in Appendix A2: Application Guidance – Climate-related Public Policy Programs about other public policy programs that do not have a primary objective to achieve climate-related outcomes if that information would meet its primary users' information needs. Where an entity determines information relating to other public policy programs is material in the context of climate, e.g. via stakeholder engagement, the entity is not precluded from providing such disclosures. This could be information about an entity's public policy programs that have a significant positive or negative impact on climate even if this is not their primary objective. To ensure that the [draft] Standard effectively addresses the information needs of primary users, and reflects the policy and regulatory role of public sector entities, the IPSASB decided to seek feedback from constituents through public consultation on the [draft] Standard on focusing disclosures on climate-related public policy programs.

Objective and scope

- BC18. At the time of developing the [draft] Standard, the latest international agreements on climate change were the Paris Agreement and the United Nations Sustainable Development Goals (SDGs).
- BC19. Many countries have signed or ratified the latest international agreements on climate change, made national commitments enforceable through legislation and/or developed national transition and adaptation plans. Consistent with these requirements and the Conceptual Framework, the objective of this [draft] Standard is to provide information for primary users that support decision-making, and accountability for the actions taken to deliver on these international commitments. Reporting and disclosure are not an aim in and of itself, but it should help encourage changes in individual and organizational behaviors and global actions more broadly that are needed to combat climate change.
- BC20. The IPSASB acknowledged that not all countries have signed or will sign the latest international agreements on climate change and that each country's national strategies provide more specific commitments. However, the IPSASB decided that it was important for the [draft] Standard to be capable of being used to support accountability for the delivery of climate-change programs in accordance with the latest international agreements.

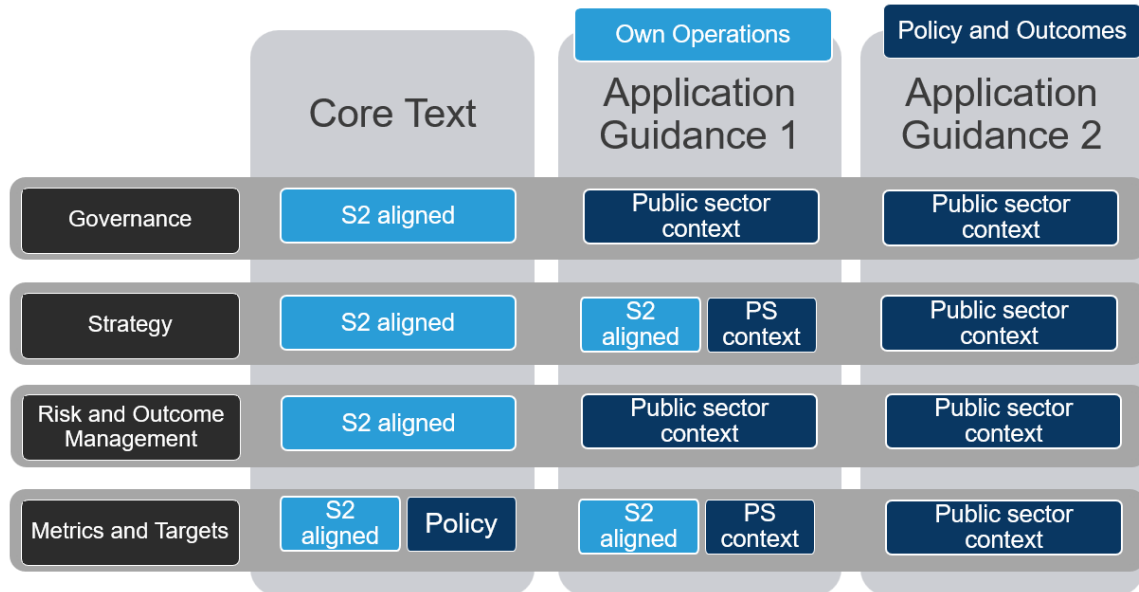
Disclosure about the entity's own operations and climate-related public policy programs

- BC21. The IPSASB decided that entities should provide disclosures on both climate-related risks and opportunities specific to their own operations, and where applicable, the outcomes that could reasonably be expected as a result of its climate-related public policy programs.
- BC22. Disclosures about an entity's own operations required by the [draft] Standard provides primary users with information to understand the climate-related risks and opportunities that could reasonably be expected to affect its long-term fiscal sustainability. This includes information relating to all of the entity's activities in its operational model to support its service delivery and public policy programs. The definition of own operations includes the activities relating to public policy programs to provide a complete picture of a reporting entity's activities, such as considering the climate-related risks and opportunities and emissions from the employees that design and implement public policy programs in the entity's operations, but excludes the outcomes from public policy programs, which would be addressed by separate disclosure requirements about those climate-related public policy programs.
- BC23. The IPSASB decided that the guidance in IFRS S1 and IFRS S2 should largely meet primary users' core information needs about an entity's own operations (see paragraph BC11). Therefore, disclosure requirements and application guidance relating to an entity's own operations are aligned with IFRS Sustainability Disclosure Standards, with public sector adaptations as needed.
- BC24. Disclosures about climate-related public policy programs and their outcomes required by the [draft] Standard provide primary users with information to understand the objectives, outcomes and progress towards achieving intended outcomes of these climate-related public policy programs. The IPSASB decided that these disclosures address the need for public sector-specific disclosures about the public sector's policy setting and regulatory role (see paragraph BC13).
- BC25. The IPSASB decided the pillars of governance, strategy, risk management and metrics and targets provide a beneficial framework for providing primary users with the information to enable decision-making and accountability on climate-related public policy programs, including financial information

(such as costs and fees from programs) and non-financial information (such as greenhouse gas emissions and progress towards intended outcomes) and that some of the key principles from IFRS S1 and IFRS S2 are also applicable to climate-related public policy programs. See paragraphs BC71–BC86 for further discussion on each pillar as it relates to climate-related public policy programs.

- BC26. The IPSASB acknowledged that the delineation and differentiation of an entity's own operations and climate-related public policy programs, as well as the terminology used in the [draft] Standard, may be challenging to apply to the many complex arrangements and structures that vary across different jurisdictions and levels of government. However, the IPSASB decided that it was necessary to separate the principles and guidance for reporting information about how an entity manages its own operations from reporting about how an entity manages the public policy programs it is responsible for, given their different natures. Therefore, it was necessary to provide additional terminology to capture these differences. The IPSASB provides further clarification and guidance on these through the application guidance in Appendix A1: Application Guidance – Own Operations and Appendix A2: Application Guidance – Climate-related Public Policy Programs, including integrating concepts from the IFRS S2 such as operational model (or business model) and value chain from IFRS S2 into the principles related to an entity's own operations. The IPSASB decided to seek constituents' feedback through public consultation on the [draft] Standard on this approach to delineating an entity's own operations from its climate-related public policy programs, and the appropriateness of the proposed terminology and definitions.
- BC27. While all entities will have to consider reporting on their own operations, the IPSASB acknowledged that the additional climate-related public policy program disclosures might only be relevant for a more limited number public sector entities that have a policy setting or regulatory role. In order to clearly differentiate between the sets of disclosure requirements and guidance, the [draft] Standard is structured as follows:
- (a) Core text of the [draft] Standard provides disclosures relating to an entity's own operations and climate-related public policy programs;
 - (b) Appendix A1: Application Guidance – Own Operations provides disclosure requirements and guidance specific to own operations;
 - (c) Appendix A2: Application Guidance – Climate-related Public Policy Programs provides disclosure requirements and guidance for public sector entities that are responsible for public policy programs, such as regulation, legislation, subsidies, and taxes;
 - (d) Appendix B: General Requirements for Climate-related Disclosures provides conceptual foundations and requirements based on IFRS S1;
 - (e) Appendix B.AG: Application Guidance for General Requirements for Climate-related Disclosures provides application guidance in relation to Appendix B; and
 - (f) Appendix C: Qualitative Characteristics provides guidance on the characteristics of useful climate-related information.

BC28. Specifically, the IPSASB decided that the following structure was necessary to reflect disclosure requirements or guidance that are unique for public sector entities for the four pillars of governance, strategy, risk management, and metrics and targets:



- (a) For governance, the IPSASB disclosure requirements that apply to both an entity's own operations and to climate-related public policy programs are included in the core text. Disclosure requirements that specifically provide public sector context for own operations are outlined in Appendix A1: Application Guidance – Own Operations, while those for climate-related public policy programs will be included in Appendix A2: Application Guidance – Climate-related Public Policy Programs;
- (b) For strategy, the IPSASB decided that disclosure requirements that apply to both an entity's own operations and to climate-related public policy programs are included in the core text. Disclosure requirements specific to own operations are outlined in Appendix A1: Application Guidance – Own Operations, with some public sector context, while those for climate-related public policy programs will be included in Appendix A2: Application Guidance – Climate-related Public Policy Programs;
- (c) For risk and outcome management, the IPSASB decided that disclosure requirements that apply to both an entity's own operations and to climate-related public policy programs are included in the core text. Disclosure requirements that specifically provide public sector context for own operations are outlined in Appendix A1: Application Guidance – Own Operations, while those for climate-related public policy programs will be included in Appendix A2: Application Guidance – Climate-related Public Policy Programs;
- (d) For metrics and targets, the IPSASB decided that disclosure requirements and guidance are distinct for own operations and public policy programs, therefore a distinct section for climate-related public policy programs in the core text is necessary.
- BC29. As this [draft] Standard represents the first IPSASB SRS, the IPSASB also drew on the Conceptual Framework and leveraged IFRS S1 to provide the framework and guidance included in Appendix B: General Requirements for Climate-related Disclosures and Appendix C: Qualitative Characteristics, which are necessary to support climate-related disclosures.

Climate-related risks and opportunities to an entity's own operations

- BC30. In aligning the core guidance with IFRS S2, the IPSASB decided that the focus on “the entity’s cash flows, its access to finance or cost of capital over the short, medium or long term” or “the entity’s prospects” needed to be augmented for the public sector. The IPSASB decided that the information needs of primary users of public sector climate-related disclosures should also include the effects on an entity’s services and resources.
- BC31. The IPSASB decided that for public sector entities this broader concept of “an entity’s prospects” was already captured by the concept of “long-term fiscal sustainability” as defined in RPG 1, *Reporting on the Long-term Sustainability of an Entity’s Finances*, that is “the ability of an entity to meet service delivery and financial commitments, both now and in the future”.
- BC32. RPG 1 addresses the complex operational model for public sector entities, including each of the inter-related dimensions of long-term fiscal sustainability, comprising services, revenue and debt, and was amended in 2023 to provide implementation guidance to explain its applicability to reporting information on the impact of sustainability programs.
- BC33. The IPSASB reflected on the public sector context, its operations, operational model and value chain and determined that it was important to clarify and define these areas for public sector entities to understand and apply the IFRS S2-aligned requirements for an entity’s own operations.
- BC34. Specifically, the IPSASB decided that an entity’s own operations include all of the activities in an entity’s operational model, other than the outcomes of public policy programs. Reporting on climate-related public policy programs, including the performance and effectiveness of those programs, should be addressed by separate public sector specific guidance drawing on IFRS S2 where appropriate.
- BC35. The IPSASB considered the value chain concept in the public sector context. While public policy development and implementation is an integral part of public sector value creation, the IPSASB acknowledged the complexity and volume of entities and/or individuals across a value chain for public policy programs. Therefore, the IPSASB decided that while the requirements to consider the value chain in the [draft] Standard apply to identifying and managing the climate-related risks and opportunities to an entity’s own operations, for the purposes of this [draft] Standard, this should exclude the effects of public policy programs on other entities and/or individuals for the purposes of measuring greenhouse gas emissions from its own operations.
- BC36. Specifically, reporting on emissions from activities of other entities and individuals as a result of public policy programs, including the emissions from activities of other entities who may design, implement or, monitor a climate-related public policy program and the emissions from individuals and/or entities affected by the public policy programs, should not be included in the disclosures of an entity’s greenhouse gas emissions from its own operations. Instead, the IPSASB determined that such disclosures on the estimated greenhouse gas emissions from climate-related public policy programs may be addressed by the disclosure requirements for climate-related public policy programs and their outcomes, rather than being part of the value chain of an entity’s own operations.

Addressing impacts through climate-related public policy program outcomes

- BC37. Respondents to the CP supported the need for broader reporting by the public sector, given its public interest role. To respond to this constituent support as well as to address the growing demands for transparency in the policy and regulatory roles of public sector entities, the IPSASB

decided that information on the outcomes from public sector entities' public policy programs should be at the core of public sector climate-related disclosure requirements.

- BC38. The IPSASB recognized that while there is considerable use of the term “impacts” across existing sustainability reporting literature, there are significant variations in how it is used and defined:
- (a) Capitals Coalition defines natural capital impact as the negative or positive effect of business activity on natural capital;
 - (b) GRI defines impact as the effect an organization has or could have on the economy, environment, and people, including effects on their human rights, as a result of the organization's activities or business relationships. The impacts can be actual or potential, negative or positive, short-term or long-term, intended or unintended, and reversible or irreversible. These impacts indicate the organization's contribution, negative or positive, to sustainable development; and
 - (c) The Impact Management Platform defines impact management as the process by which an organization understands, acts on and communicates its impacts on people and the natural environment, in order to reduce negative impacts, increase positive impacts, and ultimately to achieve sustainability and increase well-being.
- BC39. Given the variation in definitions, some of which focus on very specific understanding of impacts while others are much broader, the IPSASB evaluated the extent to which IPSASB's existing literature could help address the challenges, particularly by referring to guidance in the IPSASB Conceptual Framework and RPG 3, *Reporting Service Performance Information*.
- BC40. The Conceptual Framework provides useful overarching context:
- (a) The objectives of financial reporting by public sector entities are to provide information about the entity that is useful to primary users for accountability purposes and for decision-making purposes; and
 - (b) The primary users of general purpose financial reports are service recipients and their representatives, and resource providers and their representatives (referred to as “service recipients and resource providers”).
- BC41. Although the IPSASB literature does not explicitly define “impacts”, these are referenced in the definition of “outcomes” in RPG 3, which describes “outcomes” as “the impacts on society which occur as a result of, or are reasonably attributable to the entity's outputs”. Additionally, “outputs” are defined in RPG 3 as “services provided by an entity to recipients external to the entity”. The IPSASB acknowledged that there are also differing definitions for “outcomes” across a number of guidance sources. While the definition of “outcomes” in RPG 3 refers to “impacts”, it considers only those impacts “which occur as a direct result of, or are reasonably attributable to, an entity's outputs”. This is consistent with the guidance in the Conceptual Framework in relation to general purpose financial reports, that while primary users other than the primary users may find the information provided by general purpose financial reports useful, general purpose financial reports are not developed to specifically respond to their information needs.
- BC42. The approach is also conceptually consistent with the guidance in other international frameworks, including the TCFD model and the Integrated Reporting Framework. As well as the conceptual considerations, the IPSASB acknowledged the practical challenges of implementing broader impact-related disclosures contrasted against the immediate need for reporting. Therefore, for both

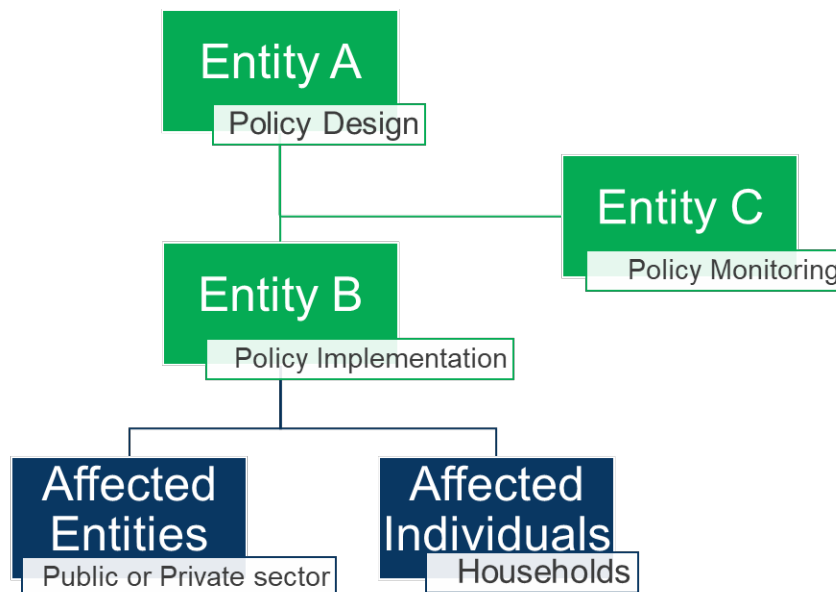
conceptual and practical reasons, the IPSASB decided that it was appropriate to require disclosures based on “outcomes” rather than the broad-ranging concept of “impacts”.

- BC43. Given the different definitions and uses of the term outcomes, the IPSASB decided to provide a definition specific to public policy program outcomes rather than using a general definition of outcomes. The definition for public policy program outcomes in this [draft] Standard is based on the RPG 3 definition, as this was approved through the normal IPSASB due process when the guidance was originally developed, and that RPG 3 was updated in 2023 to emphasize its applicability to sustainability reporting programs through the addition of Implementation Guidance and Illustrative Examples.
- BC44. The IPSASB decided to broaden the definition of outcomes in relation to public policy programs to include the economy, environment and people to address the interrelationships that can be found in practice when implementing climate-related public policy programs. For example:
- (a) Implementing incentives for new technologies or introducing carbon taxes may have economic implications;
 - (b) Transitioning to alternative energy sources may displace workers previously employed in traditional energy sectors; and
 - (c) Grant schemes focused on land use, conservation, and sustainable management practices may have significant environmental impacts.

Responsibility for climate-related public policy programs

BC45. The IPSASB acknowledged that there are often multiple public sector entities involved in the various stages of public policy process and different entities may play different roles with regards to a policy as illustrated below.

BC46. Each different entity (illustrated in green) may have some responsibility for a climate-related public policy program. Each of these entities would need to consider its responsibilities towards the climate-related public policy program and its outcomes in determining which disclosures it would need to prepare.



- BC47. Given that the objective of disclosures on climate-related public policy programs is to help primary users understand whether a climate-related public policy program is achieving the intended outcomes, the IPSASB decided that entities involved in the public policy program process should be required to provide the disclosures about climate-related public policy programs based on their context and extent of responsibilities in relation to the policy program. As a result, despite the complexity of different structures, the disclosures across entities would be expected to complement each other and provide primary users with a complete picture of climate-related public policy programs, including reporting on governance, strategy, financial implications and greenhouse gas emissions, providing transparency and accountability for these programs.
- BC48. The IPSASB recognized that there may be complexities and judgment needed in determining an entity's responsibility for a public policy program and what disclosures would be required based on the entity's role and responsibilities. However, given the diversity of structures to develop and implement climate-related public policy programs across jurisdictions, the IPSASB could not provide prescriptive guidance and decided additional implementation guidance and illustrative examples may support preparers in this assessment.

Climate-related risks and opportunities to an entity's own operations

Governance

- BC49. The IPSASB acknowledged that public sector entities worldwide do not operate within a common legislative framework, nor do they have standard organizational structures, shapes or sizes.
- BC50. Despite the variation in governance structures, public sector entities share the same public interest objective of enhancing or maintaining the well-being of citizens. Public sector governance can be described as the arrangements put in place to ensure the intended outcomes for stakeholders are defined and achieved, which include political, economic, social, environmental, legal and administrative structures and processes, and other arrangements. Therefore, the IPSASB decided that the primary user information needs relating to governance processes, controls and procedures are similar to those for primary users of private sector entity reporting, and that private sector guidance should be leveraged, with additional application guidance addressing public sector differences.

Strategy

- BC51. The IPSASB decided that the primary user information needs relating to strategy for managing climate-related risks and opportunities to an entity's own operations are in many cases the same or very similar to those for primary users of private sector entity reporting. However, application guidance would be needed to clarify how the principles and disclosure requirements apply in the public sector context.

Strategy and decision-making

- BC52. The IPSASB acknowledged that strategy for public sector entities may differ across functions, levels of government and jurisdictions. In some cases, entities may have significant operational freedoms to determine their own strategy to address climate-related risks and opportunities and therefore climate-related scenario analysis may support and inform its assessment of climate resilience.

- BC53. On the other hand, some entities may have limited operational freedom, limited by the mandates and responsibilities determined by a higher level of government.
- BC54. However, one of the objectives of reporting climate-related information is to hold entities accountable for their activities and contributions to climate commitments. The IPSASB decided that it is important for reporting at the entity level to enable accountability. Entities are therefore encouraged to consider their activities and contributions to climate commitments within their levels of operational freedom and organizational mandates and provide disclosures that are determined to be material for its primary users.

IPSAS or other GAAP

- BC55. The IPSASB considered whether the [draft] Standard should refer to IPSAS and other GAAP (see paragraph 6), acknowledging that not all public sector entities apply accrual basis accounting.
- BC56. The IPSASB decided that, though the [draft] Standard is agnostic on the entity's financial reporting methodology and can be applied by all public sector entities including those on cash basis accounting, the use of accrual accounting, together with climate-related reporting, supports better public financial management and sustainable development.

Risk management

- BC57. The IPSASB decided that the primary user information needs relating to risk management for a public sector entity are in many cases the same or very similar to those for primary users of private sector entity reporting. However, application guidance would be needed to clarify how the principles and disclosure requirements apply in the public sector context.
- BC58. The IPSASB discussed the differences between public and private sector risk management practices and noted that although the practices are similar, it is the nature and type of risks faced that are significantly different.
- BC59. The IPSASB acknowledged that many countries have established national transition and adaptation plans, based on detailed national risk assessments documented in national risk registers. Therefore, the IPSASB decided that these can be a critical resource for many public sector entities which can be leveraged as part of the entity's risk management processes.

Metrics and targets

- BC60. The IPSASB considered the differences between the metrics needed to monitor and report on an entity's own operations and those required for climate-related public policy programs. In particular, the IPSASB identified foundational differences in the principles applied that required a distinct separation in the core text.
- BC61. The IPSASB decided that a rebuttable presumption, that entities report greenhouse gas emissions using the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004), was necessary to steer entities towards the same direction, enhancing consistency and comparability. This approach is intended to promote standardized greenhouse gas methodologies and to facilitate better data interoperability between entities.
- BC62. Despite this rebuttable presumption, the IPSASB decided that to encourage adoption of the [draft] Standard, flexibility should be provided for preparers to use methodologies other than the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004). This decision acknowledges that jurisdictions may have local approaches for national or subnational reporting

and aims to alleviate any additional burden in requiring dual reporting or an immediate move to the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004). In determining their approach, the IPSASB encourages entities to consider the primary user of the information and their specific needs. For instance, if primary users are donor agencies, the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004) might be a more appropriate methodology as donor agencies may need consistent and comparable information about the climate-related risks and opportunities upstream and downstream of entities' value chains.

- BC63. As value chains may comprise both public and private sector entities, the IPSASB could not identify a public sector specific reason to depart from the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004). Therefore, the IPSASB decided to align the definitions of Scopes 1, 2, and 3 with the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004) for own operations to ensure consistency and clarity in reporting and interpretation. However, the IPSASB acknowledged that the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004) was designed for the private sector and does not address Scope 3 emissions relating to public policy programs. As a result, climate-related public policy program outcomes impacting the economy, environment, and people are excluded from scope 3 emissions. Instead, the emissions that are reasonably attributable to climate-related public policy programs would be included and disclosed as part of reporting on the entity's climate-related public policy programs (see paragraph BC83).
- BC64. The IPSASB recognized the two approaches towards calculating Scope 2 emissions, location-based approach and market-based approach, and decided to require the location-based approach only, along with disclosures on any contractual instruments into which the entity has entered, in alignment with private sector guidance, and to enhance comparability between Scope 2 disclosures without undue burden on entities.
- BC65. The IPSASB recognized the complexities surrounding Scope 3 emissions and the cost-effectiveness considerations they entail. However, the disclosure of Scope 3 emissions and categories is subject to materiality considerations, hence entities are not required to measure and disclose all Scope 3 emissions as value chain emissions and hotspots vary between entities. Therefore, the IPSASB decided that it is important for entities to monitor and manage emissions along their value chains, both in the global public interest and for accountability reasons.
- BC66. The IPSASB acknowledged that while Scope 3 Category 15 – Financed emissions may be relevant for public sector entities that provide financial services, the IPSASB expected that this category will be applicable to only a subset of entities. For those entities where Category 15 is material, they may consider referring to other sources of guidance such as Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004) or the Partnership for Carbon Accounting Financials (PCAF).
- BC67. Entities that are using methodologies in line with the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004) might find it useful to refer to the Greenhouse Gas Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard (2011) for additional guidance and examples.
- BC68. IPSASB considered whether disclosures relating to remuneration tied to climate factors would be applicable for the public sector. While IPSASB acknowledged that this is expected to be infrequent in the public sector, the IPSASB concluded that it was prudent to incorporate this aspect in the [draft] Standard to permit such disclosures in circumstances where they may be applicable.

- BC69. The IPSASB acknowledged that there are evolving terminologies and methodologies for valuing greenhouse gas externalities, such as “internal carbon pricing”. The IPSASB explored the applicability of the terminology internationally, the applicability to public sector entities, and the importance of distinguishing internal carbon prices from the market price of carbon. In view of this, IPSASB decided that the terminology is applicable for the public sector, and agreed to align the terminology for this topic with that in IFRS S2.
- BC70. The IPSASB acknowledged the importance of industry-based guidance to support preparers and standardized reporting. There is no current public sector equivalent at the time of developing the standard, however, there may be certain functions of government that can consider private sector industry metrics, such as in healthcare or education. Therefore, the IPSASB decided that SASB industry guidance should not be required for public sector entities but may choose to consider these to the extent they are relevant.

Climate-related public policy programs

Governance

- BC71. The IPSASB acknowledged that while governing bodies for public sector entities are often similar to those for private sector in principle, in practice they often differ in their structure and responsibilities. For example, governance for public policy programs is often more complex, and can involve various layers of oversight and consultation in developing public policy programs and monitoring their implementation. This can also include specialized advisory committees that provide expert input.
- BC72. Therefore, while the core disclosure requirements in paragraph 9 should also be applicable for the governance arrangements of each public sector entity, additional application guidance to address public sector specific circumstances is provided in paragraphs AG2.21–AG2.23.

Strategy

- BC73. As a result of the public sector’s ability to exercise policy and regulatory powers to influence the activities and behaviors of other entities and/or individuals across the economy, the IPSASB decided that public sector entity’s strategy for public policy programs is a key area of difference between public and private sector climate-related disclosures. Therefore, specific disclosure requirements and application guidance addressing how an entity should report on its strategy for managing its climate-related public policy programs and outcomes were needed to address user information needs.
- BC74. The IPSASB evaluated whether incorporating the concept of “risks and opportunities” into climate-related public policy programs would be appropriate, and concluded that this approach could be inconsistent with the IFRS S2 definition of “climate-related risks and opportunities”, which applies to the entity itself. The IPSASB recognized that the scope for climate-related public policy programs is broader, and decided to focus on requirements that align with the information needs of primary users. Consequently, the IPSASB determined that reporting “potential challenges to achieving the intended outcomes of climate-related public policy programs” is appropriate, as it directly addresses what impedes the success of these policy programs in achieving their intended outcomes.
- BC75. Climate-related scenario analysis, in particular, is useful both during the initial policy design stage and when specific conditions warrant its reassessment, for informing the development of an entity’s climate-related public policy program. Accordingly, the IPSASB recognized that scenario analysis

could be a factor that entities take into consideration in designing its climate-related public policy programs, rather than a disclosure requirement related to the outcomes of a climate-related public policy program.

Strategy and Decision-Making

- BC76. The IPSASB decided that public sector specific disclosures about the strategy for climate-related public policy programs were needed that are not provided for in private sector guidance. This guidance is included in Appendix A2: Application Guidance – Climate-related Public Policy Programs.
- BC77. The IPSASB acknowledged that the policy roles and responsibilities of different levels of government vary between jurisdictions. Therefore, disclosures about an individual entity's policy role and scope of responsibilities will be critical to enable primary users to understand the entity's strategy.
- BC78. In addition, strategy for public policy programs is also complicated by the need to balance the demands of various stakeholders with budget constraints while managing the achievement of outcomes in the public interest. In many cases, this may require trade-offs that affect different groups of people and/or sectors of the economy. Therefore, disclosures are needed to provide transparency over an entity's decision-making process and factors in determining its strategy for climate-related policy programs, including how an entity makes decisions about prioritization of its public policy programs and its implementation strategy to ensure the intended program outcomes are achieved.

Financial implications

- BC79. The IPSASB decided that requirements for reporting on the financial effects of climate-related risks and opportunities to an entity's own operations are not the same as for reporting on financial implications for climate-related public policy programs.
- BC80. The IPSASB recognized that cash flows and financial planning are influenced by both internal factors in own operations and external factors for public policy programs. The IPSASB decided that it is essential for the entity's disclosures to capture the financial implications of climate-related public policy programs, primarily being the incurred and anticipated costs, any funded or unfunded amounts, and any income or fees generated by the programs, which could lead to costs for both the entities and/or individuals affected by those programs, and for the entity itself. By doing so, entities can provide a comprehensive view that reflects both the internal and external considerations on the entity's financial considerations, enhancing transparency and accountability.

Outcome management for climate-related public policy programs

- BC81. Additional application guidance is also provided to address considerations for public sector climate-related public policy programs which includes identifying, assessing, prioritizing and monitoring the potential challenges to achieving the intended outcomes of climate-related public policy programs.

Metrics and targets for climate-related public policy programs

- BC82. The IPSASB noted that the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004) and the Greenhouse Gas Protocol Corporate Value Chain (Scope 3) Accounting and Reporting Standard (2011) does not provide guidance for reporting on public policy programs.

However, the Greenhouse Gas Protocol Policy and Action Standard (2014) provides relevant guidance which the IPSASB considered in developing its principle-based approach to reporting on greenhouse gas emissions-related climate-related public policy program outcomes in this [draft] Standard.

- BC83. Building upon the logic framework outlined in RPG 3 for inputs, outputs and outcomes, the IPSASB opted for a principle-based approach, recognizing the existing diversity in methodologies used by entities to estimate greenhouse gas emissions from climate-related public policy programs. Given that jurisdictions may have already established their own methodology to measure greenhouse gas emissions from climate-related public policy programs, and that there is no standardized international methodology, the IPSASB also considered that there is a certain extent of estimation involved based on multiple factors, such as what the entity considers as a reasonably attributable outcome for their policy scenario. Therefore, the IPSASB decided that it is most appropriate if entities are provided with the flexibility to develop and disclose their own methodologies based on a high-level principle-based approach, provided that the entity discloses information necessary for primary users to understand their chosen methodology.
- BC84. This approach is intended to support entities in providing information on how the policy program, through its intended outcomes, will impact greenhouse gas emissions – whether positively or negatively. It is intended to encourage entities to set climate-related public policy programs that can effectively contribute towards positive climate-related outcomes, while also transparently disclosing climate-related public policy programs that may have adverse climate-related outcomes.
- BC85. Through considering national reporting requirements under international agreements, the IPSASB determined that the metrics necessary to understand the performance of an entity's climate-related public policy programs may not be limited to the change in greenhouse gas emissions and therefore decided to require disclosures about other metrics. Though the IPSASB considered whether to require specific baseline metrics, the IPSASB determined that this is an evolving space, and that most entities may need to establish metrics for monitoring implementation of a given public policy program. It therefore decided that it would be most appropriate if entities were provided with the flexibility to develop and disclose other metrics based on a principled approach, which allow best practices to emerge over time.
- BC86. The IPSASB considered other metrics relevant to its climate-related public policy programs and decided that internal carbon prices may be applicable for climate-related public policy programs. Public sector entities may use an internal carbon price for project appraisals and policy design in consideration of greenhouse gas emissions. Accordingly, the IPSASB acknowledged that other metrics relating to internal carbon prices should enable primary users to understand the methodology including the approach (e.g. estimates of a social cost or shadow price of carbon), inputs and assumptions used to determine the internal carbon price.

Effective date

- BC87. [To be updated]

Transition

- BC88. The IPSASB acknowledged the significant challenges to the implementation of climate-related reporting in the public sector, however, after consultation with the IPSASB Sustainability Reference Group, the IPSASB decided to propose a transition approach aligned with the private sector, given

the urgent need for transparency and accountability for government initiatives to support climate action, and the need for public sector leadership on meeting climate targets.

- BC89. The IPSASB decided that given limited direct information and mixed views on the likely availability of initial metrics and data from reporting on existing national climate commitments to support the preparation of entities' first climate-related reports, this [draft] Standard proposes that entities to prepare climate-related disclosures for the entity's own operations and public policy programs without a differential date of adoption or transition reliefs. Constituents would then be asked to provide their views together with supporting information to enable the IPSASB to review this approach in finalizing the [draft] Standard.

Conceptual foundations

Fair presentation

- BC90. In the absence of a framework for sustainability reporting, this [draft] Standard includes guidance on conceptual foundations, including the qualitative characteristics of reporting climate-related information, set out in Appendix B: General Requirements for Climate-related Disclosures and Appendix C: Qualitative Characteristics. This guidance is adapted from the Conceptual Framework and are intended to ensure that information in climate-related disclosures is useful to primary users of those reports and provides information to assist an entity in the preparation of climate-related disclosures.

Determining material information for disclosure

- BC91. The IPSASB acknowledges that there are varying approaches and guidance to determining material information, topics or matters across different sustainability standards. The IPSAS decided that the steps to reporting appropriate for the public sector include:
- (a) Step 1 - Understanding the entity's context;
 - (b) Step 2 - Identifying climate-related risks and opportunities and where applicable, climate-related public policy program outcomes; and
 - (c) Step 3 - Determining material information.
- BC92. This approach primarily aligns with IFRS S1 but layers in GRI guidance on understanding the entity's context and engaging stakeholders.
- BC93. Step 1 is based on the first step in GRI 3 to determining material topics which provides guidance on considering the entity's activities, relationships, stakeholders and context. The IPSASB decided that this is an important step to include for the public sector given the broad reach and responsibilities of the public sector. It is important for entities to understand their own activities, relationships, stakeholders, as well as the broader sustainability context including, for example, national targets and commitments that a subnational entity contributes to.
- BC94. As part of understanding an entity's context, the IPSASB considered the importance of the perspectives of indigenous peoples in sustainable development and therefore decided to add the UN Declaration of Rights of Indigenous Peoples as another authoritative intergovernmental instrument setting expectations for responsible conduct for understanding the broader climate context (see paragraph B.AG12).

- BC95. Step 2 and Step 3 mirror IFRS S1 guidance on identifying risks and opportunities and determining material information related to the identified risks and opportunities. Additional guidance from GRI was leveraged to provide guidance on stakeholder engagement. The IPSASB decided that Step 2 and Step 2, which align with the IFRS S1 approach, are appropriate because:
- (a) The purpose of the process is to determine material information for reporting (compared with other approaches that identify material topics rather than identify material information);
 - (b) The concept of materiality requires judgments about information from a quantitative and qualitative perspective (which is consistent with the approach to materiality for IFRS Sustainability Disclosure Standards which step 2 and 3 are based); and
 - (c) Guidance on impacts and engaging stakeholders is needed for the public sector, which is based on GRI 3 Material Topics 2021, given the demand for a multistakeholder approach in public sector reporting, it is an important process for an entity to follow to identifying its public policy program outcomes.

Materiality

- BC96. The IPSASB acknowledged that at the time of developing the [draft] Standard, there was discussion on the concepts of “single” or “financial” materiality versus “double” or “financial and impact” materiality.
- BC97. The IPSASB decided that the approach to determine materiality should mirror the approach used in private sector guidance. Therefore, the IPSASB determined that using the definition of material information from the Conceptual Framework is appropriate for climate-related disclosures given:
- (a) **The primary users** of public sector general purpose financial reports are service recipients and their representatives and resource providers and their representatives according to the Conceptual Framework;
 - (b) **Objectives** of reporting are to support primary users in evaluating information for decision-making and accountability purposes. This extends beyond the private sector focus on decision-making solely for capital allocation purposes. The principles of decision-making and accountability equally apply to climate-related reporting as with financial reporting for the public sector because of the need for accountability from a public interest perspective; and
 - (c) **Connectivity** between financial and climate-related reporting is supported by aligning definitions of materiality across suites of reporting standards.
- BC98. The IPSASB decided that materiality is a pervasive concept throughout the [draft] Standard, guiding assessments of whether an omission or misstatement could influence primary users' decisions and therefore be deemed material. The [draft] Standard provides guidance that the materiality assessments involve understanding that primary users are assumed to have a reasonable knowledge of the public sector and economic activities and accounting and a willingness to study the information with reasonable diligence, and needs to take into account how primary users with such attributes could reasonably be expected to be influenced in making and evaluating decisions.
- BC99. There is significant judgment required in determining whether information is material to primary users. The [draft] Standard provides additional guidance to address the nature of risks and opportunities, and climate-related public policy program outcomes, which are commonly considered when determining the materiality of information.

BC100. The IPSASB considered whether information that is sensitive and/or secret should be excluded from disclosure. The IPSASB decided that such information in the public sector is expected to be rare and should not be excluded in the public interest. An entity should evaluate the needs of the primary user in light of any applicable legal requirements.

Reporting entity

BC101. The IPSASB decided that the [draft] Standard should remain focused on reporting by the same entity as that for the financial statements. A focus on the same reporting entity as for the financial statements has the benefit of following lines of control and supporting organization-focused accountability, while also facilitating both collection of policy program performance information and the integration of such information with financial information in the entity's financial statements. In addition, the IPSASB decided that it would be beyond the scope of the entity to consider policy packages and policy mixes that collectively address climate would generally require "cross-boundary" reporting across a group of entities that are not under common control.

General requirements

BC102. The IPSASB determined that the general requirements on location of disclosures, timing of reporting, comparative information, judgments, measurement uncertainty and errors from IFRS S1 are appropriate for the public sector.

BC103. The IPSASB further considered the requirement to revise comparative information to reflect updated estimates and decided to align with IFRS S1, which includes an impracticability exemption, which applies to the correction of errors and when the entity redefines or replaces a metric. The requirement is scoped such that it does not mandate entities to review and revise all previously reported estimates, while ensuring that the information provided is useful for primary users without imposing undue burden on preparers.

BC104. The IPSASB also decided that the general requirements on sources of guidance from IFRS S1 are applicable, with necessary climate-specific adaptations. Additionally, the IPSASB decided that public sector entities should be provided with the flexibility to consider the applicability of sources, including the SASB Standards and GRI Sector Standards.

BC105. The IPSASB acknowledged that there may be significant measurement uncertainty in relation to climate-related metrics as well as information about the effects of climate-related risks and opportunities on an entity's financial position, financial performance and cash flows for the reporting period, and the anticipated financial effects. For example, some of an entity's assets might be increasingly at risk from climate-related forest fire events and, therefore, this risk would be considered as part of the impairment analysis and measurement of those assets. If the frequency and severity of these fires are highly uncertain, primary users would need information about this uncertainty, including the fact that there is a significant risk of a material adjustment within the next annual reporting period to the carrying amounts of these assets.

BC106. Therefore, the [draft] Standard requires an entity to disclose information to enable primary users of general purpose financial reports to understand the most significant uncertainties affecting the amounts reported in the climate-related disclosures. In doing so, an entity identifies the amounts it has disclosed that are subject to a high level of measurement uncertainty, including information about assumptions, approximations and judgements in measuring the amount. This requirement is consistent with and based on paragraph 140 of IPSAS 1.

Implementation guidance and illustrative examples

- BC107. The IPSASB considered the public sector applicability of the Accompanying Guidance on IFRS S1 and the Accompanying Guidance on IFRS S2, and decided to include implementation guidance and illustrative examples that are applicable to the public sector context.
- BC108. However, the IPSASB decided not to adopt the industry-based guidance from the Accompanying Guidance on IFRS S2, and considered these to be relevant only to a limited subset of public sector entities. The IPSASB concluded that it was more appropriate to refer to the SASB and GRI sector standards as optional resources.
- BC109. In addition, the IPSASB decided that public sector-specific implementation guidance and illustrative examples should be provided on select topics. This includes additional implementation guidance on the responsibility for a climate-related public policy program, disclosing non-climate-related public policy programs, and outcomes from climate-related public policy programs; and additional illustrative examples on the disaggregation of Scopes 1, 2, and 3 greenhouse gas emissions between a policy-setting function and a service delivery function, responsibility for a climate-related public policy program, and estimating the change of greenhouse gas emissions from a climate-related public policy program.

Implementation Guidance

This guidance accompanies, but is not part of, [draft] IPSAS [X] (ED XX).

Scope and definitions

IG1. **What is considered a climate-related public policy program?**

A: Climate-related public policy programs use a public sector entity's sovereign power mandate actions or influence the behaviors and decisions of other entities or individuals, with a primary objective to achieve outcomes impacting on climate. The intended outcomes from a climate-related public policy program can be articulated through numerical indicators or narrative descriptions of a desired future state primarily relating to climate, such as a reduction of greenhouse gas emissions or reduced exposure to climate-related physical risks.

IG2. **Are an entity's internal policies and programs to address climate-related issues, considered climate-related public policy programs?**

A: No. Internal policies are not considered public policy programs, as they are part of how an entity manages its own operations. They are different from interventions made using a public sector entity's sovereign power to influence the decisions or behaviors of other entities or individuals. An entity may have climate-related internal policies, which are designed to implement its own or another entity's climate-related public policy program, but these are managed and reported as part of its own operations.

IG3. **How does an entity determine whether it is responsible for a climate-related public policy program?**

A: An entity will need to exercise judgment to determine whether or not it is responsible for a climate-related public policy program. In doing this, the entity should consider all facts and circumstances and may consider factors such as whether there is legislation that states that the entity is responsible for the public policy program, whether the entity has responsibility for decision-making in designing and development of the public policy program or making changes to the program post-implementation, or whether the entity has responsibility for implementing and/or monitoring a program. Not all factors are needed for an entity to have responsibility for the climate-related public policy program. Where an entity has responsibility, in part or whole, for a climate-related public policy program, the entity will need to exercise judgment in determining what information is material for disclosure in relation to its responsibility for the climate-related public policy program and its outcomes.

IG4. **Does a subnational government have responsibility for climate-related commitments set at a national level?**

A: It depends. An entity will need to exercise judgment to determine whether or not it is responsible for a climate-related public policy program contributing to national climate commitments.

For example, a national government may have national climate commitments for the jurisdiction and provides funding for its climate-related policies to a subnational government to implement a climate-related public policy program. Though the subnational government does not have national level sovereign powers, it may have responsibility for designing and implementing climate-related public policies for its own jurisdiction, and must assess whether it is responsible, in part or in whole, for the climate-related public policy program delegated by the national government.

IG5. Can an entity provide disclosures about public policy programs and related outcomes if its primary objective is not to address climate change?

A: Yes, entities have the discretion to provide disclosures regarding these public policy programs and their outcomes, even if their primary purpose does not involve addressing climate-related outcomes. However, that is not required under this [draft] Standard.

Climate-related metrics for an entity's own operations

IG6. Does an entity include greenhouse gas emissions from upstream and downstream activities of other entities and/or individuals relating to public policy programs when reporting Scope 3 greenhouse gas emissions from its own operations?

A: No, an entity does not include the upstream activities of other public sector entities or the downstream effects of public policy programs on other entities and/or individuals as part of reporting Scope 3 greenhouse gas emissions from its own operations.

IG7. Which metrics should an entity can disclose in relation to its climate-related physical and transition risks, and climate-related opportunities?

A: Paragraph 17 of the [draft] Standard requires an entity to disclose information relevant to particular metric categories. These examples provide an illustration of such information for the requirements in paragraph 17(b)–17(d) of the [draft] Standard.

Metric category	Unit of measure	Example metrics
Climate-related transition risks	Amount and percentage	<ul style="list-style-type: none"> Amount or percentage of assets that could become stranded or impaired Amount or percentage of carbon-related assets (i.e. assets tied to the fuel and energy function)
Climate-related physical risks	Amount and percentage	<ul style="list-style-type: none"> Proportion of property or infrastructure in areas subject to flooding, heat stress or water stress Proportion of real assets exposed to climate-related hazards Wastewater treatment capacity located in 100-year flood zones Revenue associated with water withdrawn and consumed in regions of high or extremely high baseline water stress
Climate-related opportunities	Amount and percentage	<ul style="list-style-type: none"> Goods or services that support the transition to a lower carbon economy Investments and programs related to energy efficiency and lower carbon technology Number of (1) zero-emissions vehicles, (2) hybrid vehicles and (3) plug-in hybrid vehicles in operating fleet Proportion of buildings certified to a third-party, multi-attribute, green-building standard

Outcomes from climate-related public policy programs

IG8. Do entities need to disclose all outcomes from climate-related public policy programs?

A: No. Entities are only required to disclose those outcomes that are reasonably attributable (see paragraph 6) to the climate-related public policy program and that are expected to be material (paragraphs BC8–BC10) to primary users of the entity's general purpose financial reports.

Emissions from public policy program related activities

IG9. Are the emissions resulting from policy design, implementation and/or monitoring activities included in the measurement of the change in greenhouse gas emissions resulting from climate-related public policy programs?

A: No. Metrics relating to climate-related public policy programs, such as greenhouse gas emissions, are designed to capture outcomes of the program itself. The entity's own emissions from designing, implementing and/or monitoring such programs through its operational model and value chain, are disclosed as part of the entity's own operations reporting.

Transition

IG10. Transition relief is granted for the “first annual reporting period in which an entity applies this [draft] Standard”. When is an entity considered to have applied the [draft] Standard?

A: A first time-adopter may determine the date on which it adopts the [draft] Standard, unless it is required by another entity to adopt the [draft] Standard by a specific date.

The entity is considered to have applied this [draft] Standard from the date on which it adopts the [draft] Standard and for which it prepares its first climate-related disclosures in accordance with this [draft] Standard in its entirety (except for the specific transitional reliefs provided for the first annual reporting period being the first year after the date of adoption of the [draft] Standard).

This may be different from the date on which an entity formally and publicly announces its decision that it will adopt the [draft] Standard, which may or may not be the same as the date of adoption of the [draft] Standard.

Primary users

IG11. How does an entity assess whether its disclosures meet primary users' information needs?

A: Assessing whether information could reasonably be expected to influence decisions made by the primary users of a specific reporting entity's general purpose financial reports requires that entity to consider the characteristics of those users while also considering the entity's own circumstances. General purpose financial reports include—but are not restricted to—an entity's general purpose financial statements and climate-related disclosures.

Existing and potential service recipients and their representatives, and resource providers and their representatives are the primary users to whom general purpose financial reports are directed. General purpose financial reports are prepared for users with a reasonable knowledge of operational and economic activities, public sector programs and operations, and who review and analyze the information diligently. However, even well-informed and diligent users may need to seek the aid of an adviser to understand climate-related financial information.

General purpose financial reports do not, and cannot, provide all the information that primary users need. Therefore, the entity aims to meet the common information needs of its primary users. It does

not aim to address specialized information needs—information needs that are unique to particular users.

To meet the common information needs of its primary users, an entity first separately identifies the information needs of one of the types of primary users—for example, service recipients and their representatives (existing and potential). The entity then repeats the assessment for resource providers and their representatives (existing and potential). The combined information needs identified by these assessments form the set of common information needs that the entity aims to meet.

In other words, the assessment of common information needs does not require an entity to identify the information needs that are shared by all primary users. Some identified information needs will be common to all types of primary users, but others may be specific to only one or two types. If an entity were to focus only on information needs that are common to all types of primary users, it might exclude information that meets the needs of only one type of primary user.

IG12. Does the entity need to disclose publicly available information as a part of its climate-related disclosures?

A: Primary users do not source information exclusively from general purpose financial reports. For example, such primary users might also consider information about the function of the entity and the jurisdiction(s) in which the entity operates; information about the state of the economy; and information in the entity's news releases as well as other documents the entity has published. However, the fact that information is publicly available does not relieve an entity of its responsibility to disclose material information about the climate-related risks and opportunities that could reasonably be expected to affect the entity's long-term fiscal sustainability over the short, medium or long term or its climate-related public policy programs and their outcomes.

Illustrative Examples

These examples accompany, but are not part of, [draft] IPSAS [X] (ED XX).

IE1. These examples set out hypothetical situations illustrating how an entity might apply some of the requirements in this [draft] Standard. The analysis in each example is not intended to represent the only manner in which the requirements could be applied, nor are the examples intended to apply only to the specific fact pattern illustrated. For illustrative purposes, the examples use simple fact patterns. When making disclosures in accordance with this [draft] Standard, an entity would need to consider all relevant facts and the specific circumstances of a particular fact pattern.

Scope 3 greenhouse gas emissions relating to public policy programs

IE2. The Ministry of Transport manages a climate-related public policy program to install electric vehicle charging stations across its highway networks, which has a primary objective to reduce vehicle emissions in the jurisdiction. The Ministry also decides to convert its own fleet of vehicles used in its own operations to electric vehicles.

IE3. To measure and report greenhouse gas emissions relating to its own operations in accordance with paragraph 17(a), the Ministry includes emissions from its own fleet of vehicles and emissions from activities to install electric vehicle charging stations across its highway network, however, it does not include the emissions from other entities and individuals relating to its climate-related public policy program.

Aggregation and disaggregation of greenhouse gas emissions

IE4. Examples 1–4 illustrate some considerations when determining if it is necessary to disaggregate information when disclosing greenhouse gas emissions in accordance with the requirements of this [draft] Standard. These examples do not illustrate all reasons that could be necessary to disaggregate information when disclosing greenhouse gas emissions. Where relevant, these examples refer to the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004).

Example 1—Disaggregating Scope 1 and Scope 2 greenhouse gas emissions between the consolidated accounting group and other investees

IE5. Example 1 illustrates the requirements in paragraph 17(a)(i)–17(a)(iv) to disclose and disaggregate Scope 1 and Scope 2 greenhouse gas emissions between an entity's consolidated accounting group and its investees not included in the consolidated accounting group.

IE6. The entity applies the equity share approach, as outlined in the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004), to set its organizational boundary for the purposes of measuring its greenhouse gas emissions. The entity applies the IPSAS and has one investment that it accounts for as an investment in an associate. Applying the equity share approach, the entity determines its Scope 1 greenhouse gas emissions to be 7,350 metric tons CO₂ equivalent (CO₂e), and its Scope 2 greenhouse gas emissions to be 1,320 CO₂e.

IE7. Table 1 illustrates the disaggregation of the total Scope 1 and Scope 2 greenhouse gas emissions disclosed by the entity when it applies paragraph 17(a)(iv).

Table 1: Disaggregation of Scope 1 and Scope 2 greenhouse gas emissions between the consolidated accounting group and the other investees

	Greenhouse gas emissions (metric tons CO ₂ e)		
	Scope 1	Scope 2	Total
Consolidated accounting group	4,900	830	5,730
Other investee (investment in associate)	2,450	490	2,940
Total disclosed (equity share method)	7,350	1,320	8,670

Example 2—Disaggregating Scope 3 greenhouse gas emissions by Scope 3 categories

- IE8. Example 2 illustrates the disaggregation of Scope 3 greenhouse gas emissions in accordance with paragraph 17(a)(i)c and paragraph 17(a)(vi), applying the principles of aggregation and disaggregation (paragraphs B.AG54–B.AG55). For simplicity, this example illustrates only an entity's considerations related to how it presents its disclosures of Scope 3 greenhouse gas emissions from upstream transportation and distribution (Category 4) and its Scope 3 greenhouse gas emissions from waste generated in operations (Category 5).
- IE9. A public sector entity applies paragraph AG1.79 of this [draft] Standard. It measures its Scope 3 greenhouse gas emissions from the upstream transportation of equipment and waste generated in operations. The entity determines these Scope 3 greenhouse gas emissions to be Category 4—upstream transportation and distribution and Category 5—waste generated in operations in accordance with the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004). The entity considers whether disaggregation of its Category 4 and Category 5 Scope 3 greenhouse gas emissions is required to meet the requirements in this [draft] Standard (paragraphs B.AG54–B.AG55).
- IE10. In relation to Category 4—upstream transportation and distribution, the entity considers that:
- (a) Its greenhouse gas emissions in relation to this category account for 20% of its total disclosed Scope 1, Scope 2 and Scope 3 greenhouse gas emissions
 - (b) It has committed to the optimization of transport routes by 20x0;
 - (c) It has set specific supplier engagement targets for reducing Category 4 greenhouse gas emissions; and
 - (d) Its supply chain is located in jurisdictions with nationally determined contributions, and, as a result, suppliers are subject to increasingly strict emissions-related regulations and taxation policies.
- IE11. In relation to Category 5—waste generated in operations, the entity considers that:
- (a) It has a three-year plan to reduce emissions from waste;
 - (b) The jurisdiction has raised concerns on health hazards from waste incineration, and has set a national road map to reduce emissions from waste for public sector entities; and

- (c) Its greenhouse gas emissions in this category account for 30% of its total disclosed Scope 1, Scope 2 and Scope 3 greenhouse gas emissions.

IE12. Although the [draft] Standard does not explicitly require disaggregation of Scope 3 greenhouse gas emissions by category, the entity considers the requirement in the [draft] Standard that prohibits information from being aggregated if doing so would obscure information that is material.

IE13. For the reasons outlined in paragraphs IE8–IE12, the entity determines that disaggregating information about its Scope 3 Category 4 greenhouse gas emissions and its Scope 3 Category 5 greenhouse gas emissions is necessary to provide material information to primary users of general purpose financial reports.

IE14. The entity decides to include a table to supplement the disclosure of its Scope 3 greenhouse gas emissions, as illustrated in Table 2.

Table 2: Disclosure excerpt of Scope 3 greenhouse gas emissions disaggregated between Category 4 and Category 5

		Greenhouse gas emissions (metric tonnes CO ₂ e)	
		20X1	20X0
Category 4—Upstream transportation and distribution		34,000	35,000
Category 5—Waste generated in operations		13,000	14,600

Example 3—Disaggregating greenhouse gas emissions by constituent greenhouse gases

IE15. Examples 3A and 3B illustrate the disaggregation of an entity's absolute greenhouse gas emissions by constituent greenhouse gases. Although the [draft] Standard does not explicitly require such disaggregation, an entity is required to apply the principles of aggregation and disaggregation set out in the [draft] Standard (paragraphs B.AG54–B.AG55).

Example 3A—Disaggregation of Scope 1 greenhouse gas emissions by constituent gas

IE16. For simplicity, this example illustrates only an entity's considerations related to methane emissions. Considerations related to other constituent gases are ignored.

IE17. An entity operates in the utilities industry. It measures its Scope 1 greenhouse gas emissions in accordance with the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004). The entity considers how to disclose information about its Scope 1 greenhouse gas emissions. In making its decision, the entity considers that:

- (a) A jurisdiction in which it operates has introduced stringent regulations on the utilities industry relating to methane emissions arising from production;
- (b) The entity is required to refer to and consider the applicability of suitable peer metrics (see paragraph 20), and chooses to refer to the SASB Standards for the Gas Utilities & Distributors industry;
- (c) The entity's risk function has determined that Scope 1 methane emissions could pose high transition risks due to a national methane pledge; and

(d) The entity has made process improvements to reduce Scope 1 methane emissions, thus reducing the risk of potential regulatory liabilities.

IE18. Although the [draft] Standard does not explicitly require disaggregation by constituent greenhouse gases, the entity considers the requirement in the [draft] Standard that prohibits information from being aggregated if doing so would obscure information that is material.

IE19. For the reasons outlined in paragraphs IE17–IE18, the entity determines that disaggregating information about its Scope 1 methane emissions is necessary to provide material information to primary users of general purpose financial reports.

IE20. The entity discloses its greenhouse gas emissions in accordance with paragraph 17(a), and decides to include a table to supplement the disclosure of its Scope 1 greenhouse gas emissions, as illustrated in Table 3.

Table 3: Disclosure excerpt of Scope 1 greenhouse gas emissions disaggregated by constituent gas

	Greenhouse gas emissions (metric tonnes CO ₂ e)	
	20X1	20X0
Methane	23,000	24,000

Example 3B—Disaggregation of a Scope 3 category by constituent gases

IE21. For simplicity, this example illustrates only an entity's considerations related to its emissions from purchased goods and services (Scope 3 Category 1), and, specifically, its CO₂ and nitrogen oxide (N₂O) emissions. Considerations related to other Scope 3 categories and other constituent gases are ignored.

IE22. A waste management agency in the public sector measures its Scope 3 greenhouse gas emissions in accordance with the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004). The entity considers how to disclose information about its emissions from purchased goods and services (Scope 3 Category 1 greenhouse gas emissions). In making its decision, the entity considers that a substantial proportion of its waste management services are outsourced to private companies to handle waste collection, recycling, and disposal services. The entity learns that these private companies have high Scope 1 emissions—specifically, CO₂ and N₂O—both of which are subject to stringent regulation in the jurisdiction. Based on this consideration, the entity determines that information about its emissions from purchased goods and services is material.

IE23. The entity then also considers circumstances related to CO₂ and N₂O emissions, including:

(a) Whether and how the private companies providing waste management services measure, manage, and monitor their CO₂ and N₂O emissions; and

(b) Whether and how the entity has set specific targets for CO₂ emissions reduction.

IE24. Although not explicitly required by the [draft] Standard to disaggregate Scope 3 Category 1 greenhouse gas emissions by constituent greenhouse gases, the entity considers the requirement in the [draft] Standard that prohibits information from being aggregated if doing so would obscure information that is material.

IE25. For the reasons outlined in paragraphs IE21–IE24, the entity determines that disaggregating information about CO₂ and N₂O emissions from purchased goods and services is necessary to provide material information to primary users of general purpose financial reports.

IE26. The entity discloses its greenhouse gas emissions in accordance with paragraph 17(a) of the [draft] Standard and decides to include a table to supplement the disclosure of its Scope 3 greenhouse gas emissions, as illustrated in Table 5.

Table 4: Disclosure excerpt of Scope 3 Category 1 greenhouse gas emissions disaggregated by constituent gases

Greenhouse gas emissions (metric tonnes CO ₂ e)		
	20X1	20X0
Carbon dioxide	46,000	48,000
Nitrogen oxide	1,000	1,020

Example 4—Disaggregation of greenhouse gas emissions by function within a public sector entity

IE27. A public sector entity discloses its greenhouse gas emissions in relation to its own operations in accordance with paragraph 17(a). The entity performs a range of public sector functions, including a policy setting function and a service delivery function.

IE28. The entity was delegated responsibility for part of a national climate action plan and established a policy design function within its own operations in 20X1, for the purposes of fulfilling this responsibility. This was a major expansion of the entity's own operations, particularly from the increase in number of new employees in this policy design function starting from its establishment.

IE29. Although the [draft] Standard does not explicitly require disaggregation by function, the entity considers the requirement in the [draft] Standard that prohibits information from being aggregated if doing so would obscure information that is material.

IE30. For the reasons outlined in paragraphs IE27–IE29, the entity determines that disaggregating information about its absolute greenhouse gas emissions by function in its own operations is necessary to provide material information to primary users of general purpose financial reports.

IE31. The entity discloses its greenhouse gas emissions in accordance with paragraph 17(a) of this [draft] Standard. In particular, the entity refers to paragraph 17(a)(vi)a and determines its Scope 3 categories for disclosure. The entity determines its material Scope 3 categories for the policy design function, such as Category 6 – Business Travel, where the entity measures greenhouse gas emissions from the transportation of employees for policy design activities. Table 5 illustrates the disaggregation of greenhouse gas emissions by function and scope within a public sector entity.

Table 5: Disclosure excerpt of greenhouse gas emissions by function and scope within a public sector entity disaggregated by constituent gases

Greenhouse gas emissions (metric tonnes CO ₂ e)						
Function	20X1			20X0		
	Scope 1	Scope 2	Scope 3	Scope 1	Scope 2	Scope 3
Policy Design	1,900	2,080	4,820	-	-	-
Service Delivery	12,000	6,300	15,000	11,500	7,000	14,000

Responsibility for Climate-related Public Policy Programs

IE32. The following example illustrates assessments of whether an entity has the responsibility for a climate-related public policy program for the purposes of this [draft] Standard.

Example 5—Compliance with a climate-related public policy program

IE33. The Ministry of the Environment designs a broad climate-related public policy to reach net zero greenhouse gas emissions by 2050 and designs programs to achieve this intended outcome. One of the climate-related public policy programs requires other public sector entities to transition to electric vehicles. As a result, the Ministry of Transport converts its fleet of buses to electric vehicles.

IE34. The Ministry of Transport determines, based on paragraphs AG2.7–AG2.9, that it does not have responsibility for this climate-related public policy program. The Ministry of Transport would include reporting about its own operations, including the replacement of diesel buses to electric buses, as part disclosures related to its own operations.

IE35. The Ministry of the Environment determines that it has the responsibility and accountability for the broad climate-related public policy program, including the program to transition public sector entity vehicles to electric vehicles, and provides disclosures about these programs and their outcomes.

Example 6—Design and implementation of a climate-related public policy program

IE36. The Ministry of the Environment designs a broad climate-related public policy to reach net zero greenhouse gas emissions by 2050. It determines that transportation is a major contributor to greenhouse gas emissions in its jurisdiction and delegates responsibility to reduce transport-related emissions to the Ministry of Transport.

IE37. The Ministry of Transport receives funding from the Ministry of the Environment and is responsible for designing and developing programs to reduce transport-related emissions. It designs and implements a program to install a network of electric vehicle charging stations across its highway and road systems.

IE38. The Ministry of Transport determines, based on paragraphs AG2.7–AG2.9, that it has responsibility and accountability for the outcomes of the climate-related public policy program for electric vehicle charging stations. The Ministry of Transport would provide relevant public policy program disclosures about its responsibilities for designing and implementing the program that contributes to the broader climate-related policy designed by the Ministry of the Environment.

IE39. The Ministry of the Environment determines that it has the responsibility and provides disclosures for the broader climate-related public policy programs.

Identifying reasonably attributable outcomes from climate-related public policy programs

IE40. An entity determines, based on IG2, that its home insulation subsidy program is a climate-related public policy program within the scope of disclosure of the [draft] Standard. To identify climate-related public policy program outcomes, the entity applies materiality in determining information for disclosure (see paragraphs B8–B10). In addition, the entity refers to paragraph 7, which provides a definition on public policy program outcomes, which are impacts on the economy, environment and people, and occur as a result of, or are reasonably attributable to the public policy program.

IE41. The entity identified several material outcomes related to the policy program:

- (a) Reduced electricity use, as the subsidy incentivizes consumers to purchase and install more insulation, which is expected to reduce natural gas and electricity use in homes, thereby reducing greenhouse gas emissions;
 - (b) Increase in disposable income due to savings from reduced electricity bills to heat homes, leading to increased greenhouse gas emissions from additional consumed goods;
 - (c) Increased emissions from insulation manufacturing when businesses produce more insulation, leading to increased greenhouse gas emissions;
 - (d) Future development of insulation material standards due to growing prevalence of home insulation; and
 - (e) Decrease in public healthcare spending due to reduction in respiratory diseases from greenhouse gas emissions.
- IE42. The entity first considered which of these material outcomes are impacts on the economy, environment and people. The entity concluded that IE41(d) is an operational change on the industry, rather than an impact on the economy, environment, and people, therefore decided not to include this outcome in their disclosures.
- IE43. Next, the entity considered which of these material outcomes that have an impact on the economy, environment and people, occur as a result of, or are reasonably attributable to the public policy program. The entity concluded, through its own analysis, that it is difficult to reasonably estimate and attribute IE41(b), IE41(c), and IE41(e), and therefore excluded it from forming part of their disclosures.
- IE44. Therefore, the entity concluded that IE41(a), reduced electricity use, is within the disclosure boundary as it is expected to be a material and reasonably attributable outcome of the public policy program.

Greenhouse gas emissions from climate-related public policy programs

- IE45. Paragraph 26(a) requires entities to disclose the amount and approach to estimating greenhouse gas emissions resulting from policy program. An entity may use its own approach, aligning with the framework provided in paragraphs AG2.36–AG2.37. Paragraphs IE46–IE50 demonstrate an approach an entity could take to estimate a change in emissions resulting from a policy program.
- IE46. An entity carries out the exercise in Paragraphs IE40–IE44 to identify reasonably attributable outcomes to estimate its greenhouse gas emissions from the home insulation subsidy program.
- IE47. The entity defines a baseline scenario for its climate-related public policy program (see paragraph AG2.37(a)). The baseline scenario is assumed to be the continuation of historical residential energy consumption trends, dependent on projected changes in household income and current rates of home insulation, absent the subsidy. The entity estimates baseline emissions from natural gas use using the following methodology:
- (a) Baseline emissions for household natural gas combustion (t CO₂e/year) = historical natural gas use (MMBtu/year) × (1+ % change in GDP) × baseline emission factor (t CO₂e/MMBtu);
 - (b) The estimated values of the parameters in this equation are assumed to be:
 - (i) Average annual historical natural gas use (1,000,000 MMBtu/year);
 - (ii) Average annual change in GDP (2%); and

(iii) Baseline emission factor (0.2 t CO₂e/MMBtu)

(c) Baseline emissions in a given year are calculated as: $1,000,000 \text{ MMBtu/year} \times 1.02 \times 0.2 \text{ t CO}_2\text{e/MMBtu} = 204,000 \text{ t CO}_2\text{e/year}$.

IE48. The entity defines a policy scenario in the presence of the climate-related public policy program activity (see paragraph AG102(b)), determining that a forward-looking estimation greenhouse gas emissions is appropriate for this policy, which is yet to be implemented (see paragraph AG2.37(b)). To estimate policy scenario emissions, the same emissions estimation methodology is used, but the assumed parameter values in the policy scenario are different:

(a) Policy scenario emissions for household natural gas combustion (t CO₂e) = policy scenario natural gas use (MMBtu/year) × policy scenario emission factor (t CO₂e/MMBtu).

IE49. Policy scenario natural gas use is estimated to be 910,000 MMBtu/year, a reduction from the baseline scenario of 1,000,000 MMBtu/year. The entity made this estimation based on the assumption that 30% of households will install insulation as a result of the subsidy. The entity also assumed that the insulation will reduce household natural gas use by 30%. Overall, the climate-related public policy program will lead to a 9% reduction (30% × 30%) in residential natural gas use. The policy scenario emission factor is assumed to be the same as in the baseline scenario (0.2 t CO₂e/MMBtu), since the policy does not affect the emissions intensity of natural gas.

Policy scenario emissions in a given year are calculated as: $910,000 \text{ MMBtu/year} \times 0.2 \text{ t CO}_2\text{e/MMBtu} = 182,000 \text{ t CO}_2\text{e/year}$.

IE50. The entity took a forward-looking approach to assess and estimate the outcomes, which is a greenhouse gas effect resulting from implementing a home insulation subsidy. From the policy program, the entity estimated a reduction of 22,000 t CO₂e/year in the same year (policy scenario emissions of 182,000 – baseline emissions of 204,000).

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