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PETRONAS CHEMICALS GROUP BERHAD | IFRS S1 & S2 CONTENT INDEX
AND SUPPLEMENTARY INFO



PETRONAS



APPENDIX I: IFRS S1 & S2 CONTENT INDEX

IFRS S1

IFRS S1 INDICATOR	IFRS S1 INDICATOR DESCRIPTION	SECTION	PAGE NUMBER	REMARKS
GOVERNANCE				
27 (a)	Information about the governance body(s) (which can include a board, committee or equivalent body charged with governance) or individual(s) responsible for oversight of sustainability-related risks and opportunities. Specifically, the entity shall identify that body(s) or individual(s) and disclose information about:			
27 (a) (i)	How responsibilities for sustainability-related risks and opportunities are reflected in the terms of reference, mandates, role descriptions and other related policies applicable to that body(s) or individual(s).	Sustainability and Climate Governance	12	
27 (a) (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 sustainability-related risks and opportunities.	Sustainability and Climate Governance	13	
27 (a) (iii)	How and how often the body(s) or individual(s) is informed about sustainability-related risks and opportunities.	Sustainability and Climate Governance	12 - 13	
27 (a) (iv)	How the body(s) or individual(s) takes into account sustainability-related risks and opportunities when overseeing the entity’s strategy, its decisions on major transactions and its risk management processes and related policies, including whether the body(s) or individual(s) has considered trade-offs associated with those risks and opportunities.	Sustainability and Climate Governance	12 - 13	
27 (a) (v)	How the body(s) or individual(s) oversees the setting of targets related to sustainability-related risks and opportunities, and monitors progress towards those targets (see paragraph 51), including whether and how related performance metrics are included in remuneration policies.	Sustainability and Climate Governance	12 - 13	
27 (b)	Management’s role in the governance processes, controls and procedures used to monitor, manage and oversee sustainability-related risks and opportunities, including information about:			
27 (b) (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.	Sustainability and Climate Governance	12 - 13	
27 (b) (ii)	Whether management uses controls and procedures to support the oversight of sustainability-related risks and opportunities and, if so, how these controls and procedures are integrated with other internal functions.	Sustainability and Climate Governance	12 - 13	
STRATEGY				
SUSTAINABILITY-RELATED RISKS AND OPPORTUNITIES				
30	An entity shall disclose information that enables users of general purpose financial reports to understand the sustainability-related risks and opportunities that could reasonably be expected to affect the entity’s prospects. Specifically, the entity shall:			
30 (a)	Describe the sustainability-related risks and opportunities that could reasonably be expected to affect the entity’s prospects.	Sustainability Risks and Opportunities	15	
30 (b)	Specify time horizons – short, medium or long term – over which the effects of each of those sustainability-related risks and opportunities could reasonably be expected to occur.	Sustainability Risks and Opportunities	17 - 26	
30 (c)	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.	Business Strategy & Financial Resilience	51	

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IFRS S1 INDICATOR	IFRS S1 INDICATOR DESCRIPTION	SECTION	PAGE NUMBER	REMARKS
BUSINESS MODEL AND VALUE CHAIN				
32	An entity shall disclose information that enables users of general purpose financial reports to understand the current and anticipated effects of sustainability-related risks and opportunities on the entity’s business model and value chain. Specifically, the entity shall disclose:			
32 (a)	A description of the current and anticipated effects of sustainability-related risks and opportunities on the entity’s business model and value chain.	Sustainability Risks and Opportunities	16	
STRATEGY AND DECISION-MAKING				
33	An entity shall disclose information that enables users of general purpose financial reports to understand the effects of sustainability-related risks and opportunities on its strategy and decision-making. Specifically, the entity shall disclose information about:			
33 (a)	How the entity has responded to, and plans to respond to, sustainability-related risks and opportunities in its strategy and decision-making.	Material Topics Summary	28 - 33	Refer to Corporate Governance Overview Statement and Statement on Risk Management and Internal Control in PCG’s Integrated Report 2024.
33 (b)	The progress against plans the entity has disclosed in previous reporting periods, including quantitative and qualitative information.	Material Matters Chapters	34 - 87	
33 (c)	Trade-offs between sustainability-related risks and opportunities that the entity considered (for example, in making a decision on the location of new operations, an entity might have considered the environmental impacts of those operations and the employment opportunities they would create in a community).	Material Topics Summary	28 - 33	
FINANCIAL POSITION, FINANCIAL PERFORMANCE AND CASH FLOWS				
34	An entity shall disclose information that enables users of general purpose financial reports to understand:			
34 (a)	The effects of sustainability-related risks and opportunities on the entity’s financial position, financial performance and cash flows for the reporting period (current financial effects).	Sustainability Risks and Opportunities	17 - 26	
34 (b)	The anticipated effects of sustainability-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 sustainability-related risks and opportunities are included in the entity’s financial planning (anticipated financial effects).	Sustainability Risks and Opportunities	17 - 26	
35	Specifically, an entity shall disclose quantitative and qualitative information about:			
35 (a)	How sustainability-related risks and opportunities have affected its financial position, financial performance and cash flows for the reporting period.	Sustainability Risks and Opportunities	17 - 26	
35 (b)	The sustainability-related risks and opportunities identified in paragraph 35 (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.	Sustainability Risks and Opportunities	26	

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IFRS S1 INDICATOR	IFRS S1 INDICATOR DESCRIPTION	SECTION	PAGE NUMBER	REMARKS
35 (c) (i)	How the entity expects its financial position to change over the short, medium and long term, given its strategy to manage sustainability-related risks and opportunities, taking into consideration its investment and disposal plans (for example, plans for capital expenditure, major acquisitions and divestments, joint ventures, business transformation, innovation, new business areas, and asset retirements), including plans the entity is not contractually committed to.	Business Strategy & Financial Resilience	51	
		Sustainability Risks and Opportunities	17 - 26	
35 (c) (ii)	How the entity expects its financial position to change over the short, medium and long term, given its strategy to manage sustainability-related risks and opportunities, taking into consideration its planned sources of funding to implement its strategy.	Business Strategy & Financial Resilience	51	
35 (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 sustainability-related risks and opportunities.	Sustainability Risks and Opportunities	17 - 26	
40	<i>If an entity determines that it need not provide quantitative information about the current or anticipated financial effects of a sustainability-related risk or opportunity, the entity shall:</i>			
40 (a)	Explain why it has not provided quantitative information;	Sustainability Risks and Opportunities	17	
40 (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 sustainability-related risk or opportunity.	Sustainability Risks and Opportunities	17 - 26	
RESILIENCE				
41	An entity shall disclose information that enables users of general purpose financial reports to understand its capacity to adjust to the uncertainties arising from sustainability-related risks. An entity shall disclose a qualitative and, if applicable, quantitative assessment of the resilience of its strategy and business model in relation to its sustainability-related risks, including information about how the assessment was carried out and its time horizon. When providing quantitative information, an entity may disclose a single amount or a range.	Business Strategy & Financial Resilience	48 - 51	Refer to Corporate Governance Overview Statement and Statement on Risk Management and Internal Control in PCG's Integrated Report 2024.
RISK MANAGEMENT				
44	<i>To achieve this objective, an entity shall disclose information about:</i>			
44 (a) (i)	The processes and related policies the entity uses to identify, assess, prioritise and monitor sustainability-related risks, including information about the inputs and parameters the entity uses (for example, information about data sources and the scope of operations covered in the processes);	Sustainability Risk Management	26	
44 (a) (ii)	The processes and related policies the entity uses to identify, assess, prioritise and monitor sustainability-related risks, including information about whether and how the entity uses scenario analysis to inform its identification of sustainability-related risks;	Sustainability Risk Management	26	
44 (a) (iii)	The processes and related policies the entity uses to identify, assess, prioritise and monitor sustainability-related risks, including information about how the entity assesses the nature, likelihood and magnitude of the effects of those risks (for example, whether the entity considers qualitative factors, quantitative thresholds or other criteria).	Sustainability Risk Management	26	

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IFRS S1 INDICATOR	IFRS S1 INDICATOR DESCRIPTION	SECTION	PAGE NUMBER	REMARKS
44 (a) (iv)	The processes and related policies the entity uses to identify, assess, prioritise and monitor sustainability-related risks, including information about whether and how the entity prioritises sustainability-related risks relative to other types of risk;	Sustainability Risk Management	26	
44 (a) (v)	The processes and related policies the entity uses to identify, assess, prioritise and monitor sustainability-related risks, including information about how the entity monitors sustainability-related risks; and	Sustainability Risk Management	26	
44 (a) (vi)	The processes and related policies the entity uses to identify, assess, prioritise and monitor sustainability-related risks, including information about whether and how the entity has changed the processes it uses compared with the previous reporting period.	Sustainability Risk Management	26	
44 (b)	The processes the entity uses to identify, assess, prioritise and monitor sustainability-related opportunities.	Sustainability Risk Management	26	
44 (c)	The extent to which, and how, the processes for identifying, assessing and prioritising and monitoring sustainability-related risks and opportunities are integrated into and inform the entity's overall risk management process.	Sustainability Risk Management	26	
METRICS AND TARGETS				
46	<i>An entity shall disclose, for each sustainability-related risk and opportunity that could reasonably be expected to affect the entity's prospects:</i>			
46 (a)	Metrics required by an applicable IFRS Sustainability Disclosure Standard.	Material Matters Chapters	34 - 87	
46 (b) (i)	Metrics the entity uses to measure and monitor that sustainability-related risk or opportunity.	Material Matters Chapters	34 - 87	
46 (b) (ii)	Metrics the entity uses to measure and monitor its performance in relation to that sustainability-related risk or opportunity, including progress towards any targets the entity has set, and any targets it is required to meet by law or regulation.	Talent Management & Well-Being	72	
50	<i>If a metric has been developed by an entity, the entity shall disclose information about:</i>			
50 (a)	How the metric is defined, including whether it is derived by adjusting a metric taken from a source other than IFRS Sustainability Disclosure Standards and, if so, which source and how the metric disclosed by the entity differs from the metric specified in that source.	-	-	Refer to Sustainability Policies, Standards and Guidelines on https://www.petronas.com/pcg/sustainability/policies-standards-guidelines
50 (b)	Whether the metric is an absolute measure, a measure expressed in relation to another metric or a qualitative measure (such as red, amber, green – or RAG – status).	Material Matters Chapters	34 - 87	
50 (c)	Whether the metric is validated by a third party and, if so, which party.	Independent Limited Assurance Report	88 - 89	

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50 (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.	Material Matters Chapters	34 - 87	Refer to Sustainability Policies, Standards and Guidelines on https://www.petronas.com/pcg/sustainability/policies-standards-guidelines
51	An entity shall disclose information about the targets it has set to monitor progress towards achieving its strategic goals, and any targets it is required to meet by law or regulation. For each target, the entity shall disclose:			
51 (a)	The metric used to set the target and to monitor progress towards reaching the target.	Talent Management & Well-Being	72	
51 (b)	The specific quantitative or qualitative target the entity has set or is required to meet.	Material Matters Chapters	34 - 87	
51 (c)	The period over which the target applies.	Talent Management & Well-Being	72	
51 (d)	The base period from which progress is measured.	Talent Management & Well-Being	72	
51 (f)	Performance against each target and an analysis of trends or changes in the entity's performance.	Performance Data	90 - 91	

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IFRS S2

IFRS S2 INDICATOR	IFRS S2 INDICATOR DESCRIPTION	SECTION	PAGE NUMBER	REMARKS
GOVERNANCE				
6 (a)	To achieve this objective, an entity shall disclose information about the governance 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. Specifically, the entity shall identify that body(s) or individual(s) and disclose information about:			
6 (a) (i)	How responsibilities for climate-related risks and opportunities are reflected in the terms of reference, mandates, role descriptions and other related policies applicable to that body(s) or individual(s).	Sustainability and Climate Governance	12	
6 (a) (ii)	How the body(s) or individual(s) determined whether appropriate skills and competencies will be developed to oversee strategies designed to respond to climate-related risks and opportunities.	Sustainability and Climate Governance	13	
6 (a) (iii)	How and how often the body(s) or individual(s) is informed about climate-related risks and opportunities.	Sustainability and Climate Governance	12 - 13	
6 (a) (iv)	How the body(s) or individual(s) takes into account climate-related risks and opportunities when overseeing the entity's strategy, its decisions on major transactions and its risk management processes and related policies, including whether the body(s) or individual(s) has considered trade-offs associated with those risks and opportunities.	Sustainability and Climate Governance	12 - 13	
6 (a) (v)	How the body(s) or individual(s) oversees the setting of targets related to climate-related risks and opportunities, and monitors progress towards those targets.	Sustainability and Climate Governance	12 - 13	
6 (b)	To achieve this objective, an entity shall disclose information about management's role in the governance processes, controls and procedures used to monitor, manage and oversee climate-related risks and opportunities, including information about:			
6 (b) (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.	Sustainability and Climate Governance	12 - 13	
6 (b) (ii)	Whether management uses controls and procedures to support the oversight of climate-related risks and opportunities and, if so, how these controls and procedures are integrated with other internal functions.	Sustainability and Climate Governance	12 - 13	
STRATEGY				
CLIMATE-RELATED RISKS AND OPPORTUNITIES				
10	An entity shall disclose information that enables users of general purpose financial reports to understand the climate-related risks and opportunities that could reasonably be expected to affect the entity's prospects. Specifically, the entity shall:			
10 (a)	Describe climate-related risks and opportunities that could reasonably be expected to affect the entity's prospects.	Sustainability Risks and Opportunities	17 - 24	
10 (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.	Sustainability Risks and Opportunities	17 - 24	
10 (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.	Sustainability Risks and Opportunities	17 - 18, 20	
10 (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.	Sustainability Risks and Opportunities	16	

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IFRS S2 INDICATOR	IFRS S2 INDICATOR DESCRIPTION	SECTION	PAGE NUMBER	REMARKS
BUSINESS MODEL AND VALUE CHAIN				
13	An entity shall disclose information that enables users of general purpose financial reports to understand the current and anticipated effects of climate-related risks and opportunities on the entity's business model and value chain. Specifically, the entity shall disclose:			
13 (a)	A description of the current and anticipated effects of climate-related risks and opportunities on the entity's business model and value chain.	Sustainability Risks and Opportunities	18 - 19, 21 - 23 & 25 - 26	
13 (b)	A description of where in the entity's business model and value chain climate-related risks and opportunities are concentrated (for example, geographical areas, facilities and types of assets).	Sustainability Risks and Opportunities	17	
STRATEGY AND DECISION-MAKING				
14	An entity shall disclose information that enables users of general purpose financial reports to understand the effects of climate-related risks and opportunities on its strategy and decision-making. Specifically, the entity shall disclose:			
14 (a) (i)	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 current and anticipated changes to the entity's business 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 business development through capital expenditure or additional expenditure on research and development; and acquisitions or divestments).	Sustainability Risks and Opportunities	24	
14 (a) (ii)	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 current and anticipated direct mitigation and adaptation efforts (for example, through changes in production processes or equipment, relocation of facilities, workforce adjustments, and changes in product specifications).	Sustainability Risks and Opportunities	24	
14 (a) (iii)	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 current and anticipated indirect mitigation and adaptation efforts (for example, through working with customers and supply chains).	Sustainability Risks and Opportunities	24	
14 (a) (iv)	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 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.	Sustainability Risks and Opportunities	24	

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IFRS S2 INDICATOR	IFRS S2 INDICATOR DESCRIPTION	SECTION	PAGE NUMBER	REMARKS
14 (a) (v)	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 how the entity plans to achieve any climate-related targets, including any greenhouse gas emissions targets, described in accordance with paragraphs 33 – 36.	Sustainability Risks and Opportunities	24	
14 (b)	Information about how the entity is resourcing, and plans to resource, the activities disclosed in accordance with paragraph 14(a)	Business Strategy & Financial Resilience	50 - 51	
14 (c)	Quantitative and qualitative information about the progress of plans disclosed in previous reporting periods in accordance with paragraph 14(a)	Climate Change	36	
FINANCIAL POSITION, FINANCIAL PERFORMANCE AND CASH FLOWS				
15	An entity shall disclose information that enables users of general purpose financial reports to understand:			
15 (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).	Sustainability Risks and Opportunities	18 - 19, 21 - 23 & 25 - 26	
15 (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).	Sustainability Risks and Opportunities	18 - 19, 21 - 23 & 25 - 26	
16	Specifically, an entity shall disclose quantitative and qualitative information about:			
16 (a)	How climate-related risks and opportunities have affected its financial position, financial performance and cash flows for the reporting period;	Sustainability Risks and Opportunities	18 - 19, 21 - 23 & 25 - 26	
16 (b)	The climate-related risks and opportunities identified in paragraph 16(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;	Sustainability Risks and Opportunities	26	
16 (c) (i)	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 its investment and disposal plans (for example, plans for capital expenditure, major acquisitions and divestments, joint ventures, business transformation, innovation, new business areas, and asset retirements), including plans the entity is not contractually committed to;	Sustainability Risks and Opportunities	24	
16 (c) (ii)	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 its planned sources of funding to implement its strategy; and	Business Strategy & Financial Resilience	51	
16 (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 products and services aligned with a lower-carbon economy; costs arising from physical damage to assets from climate events; and expenses associated with climate adaptation or mitigation).	Sustainability Risks and Opportunities	18 - 19, 21 - 23 & 25 - 26	

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IFRS S2 INDICATOR	IFRS S2 INDICATOR DESCRIPTION	SECTION	PAGE NUMBER	REMARKS
21	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 paragraph 19 - 20, the entity shall:			
21 (a)	Explain why it has not provided quantitative information	Sustainability Risks and Opportunities	17	
21 (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;	Sustainability Risks and Opportunities	18 - 19, 21 - 23 & 25 - 26	
CLIMATE RESILIENCE				
22	An entity shall disclose information that enables users of general purpose financial reports to understand the resilience of the entity's strategy and business 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 its climate resilience using an approach that is commensurate with the entity's circumstances (see paragraphs B1 – B18). In providing quantitative information, the entity may disclose a single amount or a range. Specifically, the entity shall disclose:			
22 (a)	The entity's assessment of its climate resilience as at the reporting date, which shall enable users of general purpose financial reports to understand:			
22 (a) (i)	The implications, if any, of the entity's assessment for its strategy and business model, including how the entity would need to respond to the effects identified in the climate-related scenario analysis.	Sustainability Risks and Opportunities	24	
22 (a) (ii)	The significant areas of uncertainty considered in the entity's assessment of its climate resilience.	Sustainability Risks and Opportunities	24	
22 (b) (i)	How and when the climate-related scenario analysis was carried out, including information about the inputs the entity used, including:			
22 (b) (i) (1)	Which climate-related scenarios the entity used for the analysis and the sources of those scenarios;	Sustainability Risks and Opportunities	16	
22 (b) (i) (2)	Whether the analysis included a diverse range of climate-related scenarios;	Sustainability Risks and Opportunities	16	
22 (b) (i) (3)	Whether the climate-related scenarios used for the analysis are associated with climate-related transition risks or climate-related physical risks;	Sustainability Risks and Opportunities	16	
22 (b) (i) (4)	Whether the entity used, among its scenarios, a climate-related scenario aligned with the latest international agreement on climate change;	Sustainability Risks and Opportunities	16	
22 (b) (i) (5)	Why the entity decided that its chosen climate-related scenarios are relevant to assessing its resilience to climate-related changes, developments or uncertainties;	Sustainability Risks and Opportunities	16	
22 (b) (i) (6)	The time horizons the entity used in the analysis; and	Sustainability Risks and Opportunities	16	
22 (b) (i) (7)	What scope of operations the entity used in the analysis (for example, the operating locations and business units used in the analysis).	Sustainability Risks and Opportunities	17 & 20	

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22 (b) (ii)	How and when the climate-related scenario analysis was carried out, including the key assumptions the entity made in the analysis, including assumptions about:			
22 (b) (ii) (1)	Climate-related policies in the jurisdictions in which the entity operates;	Sustainability Risks and Opportunities	20 - 23	
22 (b) (ii) (2)	Macroeconomic trends;	Sustainability Risks and Opportunities	20 - 23	
22 (b) (ii) (3)	National- or regional-level variables (for example, local weather patterns, demographics, land use, infrastructure and availability of natural resources);	Sustainability Risks and Opportunities	20 - 23	
22 (b) (ii) (4)	Energy usage and mix; and	Sustainability Risks and Opportunities	20 - 23	
22 (b) (ii) (5)	Developments in technology	Sustainability Risks and Opportunities	20 - 23	
22 (b) (iii)	The reporting period in which the climate-related scenario analysis was carried out	Sustainability Risks and Opportunities	16	
RISK MANAGEMENT				
25	To achieve this objective, an entity shall disclose information about:			
25 (a) (i)	The inputs and parameters the entity uses (for example, information about data sources and the scope of operations covered in the processes);	Climate Risk Management	27	
25 (a) (ii)	Whether and how the entity uses climate-related scenario analysis to inform its identification of climate-related risks;	Climate Risk Management	27	
25 (a) (iii)	How the entity assesses the nature, likelihood and magnitude of the effects of those risks (for example, whether the entity considers qualitative factors, quantitative thresholds or other criteria);	Climate Risk Management	27	
25 (a) (iv)	Whether and how the entity prioritises climate-related risks relative to other types of risk;	Climate Risk Management	27	
25 (a) (v)	How the entity monitors climate-related risks;	Climate Risk Management	27	
25 (a) (vi)	Whether and how the entity has changed the processes it uses compared with the previous reporting period.	Climate Risk Management	27	
25 (b)	An entity shall disclose information about the processes the entity uses to identify, assess, prioritise 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.	Climate Risk Management	27	
25 (c)	An entity shall disclose information about the extent to which, and how, the processes for identifying, assessing, prioritising and monitoring climate-related risks and opportunities are integrated into and inform the entity's overall risk management process.	Climate Risk Management	27	

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IFRS S2 INDICATOR	IFRS S2 INDICATOR DESCRIPTION	SECTION	PAGE NUMBER	REMARKS
METRICS AND TARGETS				
CLIMATE-RELATED METRICS				
29 (a)	An entity shall disclose information relevant to the cross-industry metric categories of greenhouse gases – the entity shall			
29 (a) (i) (1)	Disclose its absolute gross greenhouse gas emissions generated during the reporting period, expressed as metric tonnes of CO ₂ equivalent (see paragraphs B19 – B22), classified as Scope 1 greenhouse emissions;	Climate Change	37	
29 (a) (i) (2)	Disclose its absolute gross greenhouse gas emissions generated during the reporting period, expressed as metric tonnes of CO ₂ equivalent (see paragraphs B19 – B22), classified as Scope 2 greenhouse gas emissions; and	Climate Change	37	
29 (a) (i) (3)	Disclose its absolute gross greenhouse gas emissions generated during the reporting period, expressed as metric tonnes of CO ₂ equivalent (see paragraphs B19 – B22), classified as Scope 3 greenhouse gas emissions.	Climate Change	37	
29 (a) (ii)	Measure its greenhouse gas emissions in accordance with the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (2004) unless required by a jurisdictional authority or an exchange on which the entity is listed to use a different method for measuring its greenhouse gas emissions (see paragraphs B23–B25).	Climate Change	35	
29 (a) (iii) (1)	Disclose the approach it uses to measure its greenhouse gas emissions (see paragraphs B26 – B29) including the measurement approach, inputs and assumptions the entity uses to measure its greenhouse gas emissions;	Climate Change	35, 37	
29 (a) (iii) (2)	Disclose the approach it uses to measure its greenhouse gas emissions (see paragraphs B26 – B29) including the reason why the entity has chosen the measurement approach, inputs and assumptions it uses to measure its greenhouse gas emissions; and	Climate Change	35, 37	
29 (a) (iii) (3)	Disclose the approach it uses to measure its greenhouse gas emissions (see paragraphs B26 – B29) including any changes the entity made to the measurement approach, inputs and assumptions during the reporting period and the reasons for those changes.	Climate Change	35, 37	
29 (a) (iv) (1)	For Scope 1 and Scope 2 greenhouse gas emissions disclosed in accordance with paragraph 29(a)(i)(1)–(2), disaggregate emissions between the consolidated accounting group (for example, for an entity applying IFRS Accounting Standards, this group would comprise the parent and its consolidated subsidiaries); and	Sustainability Risks and Opportunities	17	
29 (a) (iv) (2)	For Scope 1 and Scope 2 greenhouse gas emissions disclosed in accordance with paragraph 29(a)(i)(1)–(2), disaggregate emissions between other investees excluded from paragraph 29(a)(iv)(1) (for example, for an entity applying IFRS Accounting Standards, these investees would include associates, joint ventures and unconsolidated subsidiaries).	Sustainability Risks and Opportunities	17	
29 (a) (v)	For Scope 2 greenhouse gas emissions disclosed in accordance with paragraph 29(a)(i)(2), disclose its location-based Scope 2 greenhouse gas emissions, and provide information about any contractual instruments that is necessary to inform users’ understanding of the entity’s Scope 2 greenhouse gas emissions (see paragraphs B30 – B31).	Climate Change	37	

APPENDIX I: IFRS S1 & S2 CONTENT INDEX

IFRS S2 INDICATOR	IFRS S2 INDICATOR DESCRIPTION	SECTION	PAGE NUMBER	REMARKS
29 (a) (vi) (1)	For Scope 3 greenhouse gas emissions disclosed in accordance with paragraph 29(a)(i)(3), and with reference to paragraphs B32 – B57, disclose 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).	Climate Change	37	
29 (b)	An entity shall disclose information relevant to the cross-industry metric categories of climate-related transition risks—the amount and percentage of assets or business activities vulnerable to climate-related transition risks.	Sustainability Risks and Opportunities	17	
29 (c)	An entity shall disclose information relevant to the cross-industry metric categories of climate-related physical risks—the amount and percentage of assets or business activities vulnerable to climate-related physical risks.	Sustainability Risks and Opportunities	17	
29 (e)	An entity shall disclose information relevant to the cross-industry metric categories of capital deployment—the amount of capital expenditure, financing or investment deployed towards climate-related risks and opportunities	Business Strategy & Financial Resilience	51	
29 (f)	An entity shall disclose information relevant to the cross-industry metric categories of internal carbon prices – the entity shall disclose:			
29 (f) (i)	An explanation of whether and how the entity is applying a carbon price in decision-making (for example, investment decisions, transfer pricing and scenario analysis)	Business Strategy & Financial Resilience	51	
29 (f) (ii)	The price for each metric tonne of greenhouse gas emissions the entity uses to assess the costs of its greenhouse gas emissions	Sustainability Risks and Opportunities	21	
29 (g)	An entity shall disclose information relevant to the cross-industry metric categories of remuneration—the entity shall disclose:			
29 (g) (i)	A description of whether and how climate-related considerations are factored into executive remuneration (see also paragraph 6(a)(v))	Sustainability and Climate Governance	13	
29 (g) (ii)	The percentage of executive management remuneration recognised in the current period that is linked to climate-related considerations.	Sustainability and Climate Governance	13	
CLIMATE-RELATED TARGETS				
33	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:			
33 (a)	The metric used to set the target.	Climate Change	34 - 37	
33 (b)	The objective of the target (for example, mitigation, adaptation or conformance with science-based initiatives).	Climate Change	34 - 37	
33 (c)	The part of the entity to which the target applies (for example, whether the target applies to the entity in its entirety or only a part of the entity, such as a specific business unit or specific geographical region).	Climate Change	34 - 37	
33 (d)	The period over which the target applies.	Climate Change	34 - 37	
33 (e)	The base period from which progress is measured.	Climate Change	34 - 37	

APPENDIX I: IFRS S1 & S2 CONTENT INDEX

IFRS S2 INDICATOR	IFRS S2 INDICATOR DESCRIPTION	SECTION	PAGE NUMBER	REMARKS
33 (f)	Any milestones and interim targets.	Climate Change	34 - 37	
33 (g)	If the target is quantitative, whether it is an absolute target or an intensity target.	Climate Change	34 - 37	
33 (h)	How the latest international agreement on climate change, including jurisdictional commitments that arise from that agreement, has informed the target.	Climate Change	34 - 37	
34	<i>An entity shall disclose information about its approach to setting and reviewing each target, and how it monitors progress against each target, including:</i>			
34 (a)	Whether the target and the methodology for setting the target has been validated by a third party;	Climate Change	34 - 37	
34 (b)	The entity’s processes for reviewing the target;	Climate Change	34 - 37	
34 (c)	The metrics used to monitor progress towards reaching the target; and	Climate Change	34 - 37	
34 (d)	Any revisions to the target and an explanation for those revisions.	Climate Change	34 - 37	
35	An entity shall disclose information about its performance against each climate-related target and an analysis of trends or changes in the entity’s performance.	Climate Change	34 - 37	
36	<i>For each greenhouse gas emissions target disclosed in accordance with paragraphs 33–35, an entity shall disclose:</i>			
36 (a)	Which greenhouse gases are covered by the target.	Climate Change	34 - 37	
36 (b)	Whether Scope 1, Scope 2 or Scope 3 greenhouse gas emissions are covered by the target.	Climate Change	34 - 37	
36 (d)	Whether the target was derived using a sectoral decarbonisation approach.	Climate Change	35	
36 (e)	<i>The entity’s planned use of carbon credits 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:</i>			
36 (e) (i)	the extent to which, and how, achieving any net greenhouse gas emissions target relies on the use of carbon credits.	Climate Change	37	
36 (e) (ii)	which third-party scheme(s) will verify or certify the carbon credits.	Climate Change	37	
36 (e) (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.	Climate Change	37	
36 (e) (iv)	any other factors necessary for 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).	Climate Change	37	

APPENDIX II: IFRS S1 & S2 SUPPLEMENTARY INFORMATION

List of 31 Operating Units (OPUs) assessed for climate-related risks and opportunities:

NO.	OPUS	COUNTRY	TYPE
1	ASEAN Bintulu Fertilizer Sdn. Bhd.	Malaysia	Subsidiary
2	BASF PETRONAS Chemicals Sdn. Bhd.	Malaysia	Associate
3	BRB International B.V.	Netherlands	Subsidiary
4	BRB Lube Oil Additives & Chemicals B.V.	Netherlands	Subsidiary
5	Idemitsu SM (Malaysia) Sdn. Bhd.	Malaysia	Associate
6	CSL Silicones Inc.	Canada	Subsidiary
7	Perstorp Chemicals GmbH	Germany	Subsidiary
8	Perstorp Chemicals India Private Ltd.	India	Subsidiary
9	Perstorp Oxo AB	Sweden	Subsidiary
10	Perstorp Polyols Inc.	United States	Subsidiary
11	Perstorp S.p.A.	Italy	Subsidiary
12	Perstorp Specialty Chemicals AB	Sweden	Subsidiary
13	Perstorp Waspik B.V.	Netherlands	Subsidiary
14	PETRONAS Chemicals Ammonia Sdn. Bhd.	Malaysia	Subsidiary
15	PETRONAS Chemicals LDPE Sdn. Bhd.	Malaysia	Subsidiary
16	INEOS PCG Acetyls Sdn. Bhd.	Malaysia	Joint venture (JV)
17	PETRONAS Chemicals Aromatics Sdn. Bhd.	Malaysia	Subsidiary
18	PETRONAS Chemicals Ethylene Sdn. Bhd.	Malaysia	Subsidiary
19	PETRONAS Chemicals Polyethylene Sdn. Bhd.	Malaysia	Subsidiary
20	PETRONAS Chemicals Fertiliser Kedah Sdn. Bhd.	Malaysia	Subsidiary
21	Malaysian NPK Fertilizer Sdn. Bhd.	Malaysia	Associate
22	PETRONAS Chemicals Fertiliser Sabah Sdn. Bhd.	Malaysia	Subsidiary
23	PETRONAS Chemicals Isononanol Sdn. Bhd.	Malaysia	Subsidiary
24	PETRONAS Chemicals Methanol Sdn. Bhd.	Malaysia	Subsidiary
25	PETRONAS Chemicals MTBE Sdn. Bhd.	Malaysia	Subsidiary
26	PETRONAS Chemicals Olefins Sdn. Bhd.	Malaysia	Subsidiary
27	PETRONAS Chemicals Glycols Sdn. Bhd.	Malaysia	Subsidiary
28	PETRONAS Chemicals Derivatives Sdn. Bhd.	Malaysia	Subsidiary
29	Shandong Fufeng Perstorp Chemical Co. Ltd.	China	Subsidiary
30	Viscotech Asia Pte. Ltd.	Singapore	Subsidiary
31	Viscotech GmbH	Germany	JV

APPENDIX II: IFRS S1 & S2 SUPPLEMENTARY INFORMATION

Assessment and proportion of high or very high risk sited by time horizon and scenario for physical risks

Extreme Heat

Time Horizon	Sites (SSP1-2.6)	Sites (SSP5-8.5)
Baseline	0/31 (0%)	
2030	3/31 (10%)	21/31 (68%)
2050	21/31 (68%)	22/31 (71%)

Flooding

Time Horizon	Sites (SSP1-2.6)	Sites (SSP5-8.5)
Baseline	4/31 (13%)	
2030	4/31 (13%)	4/31 (13%)
2050	4/31 (13%)	4/31 (13%)

Water Stress & Drought

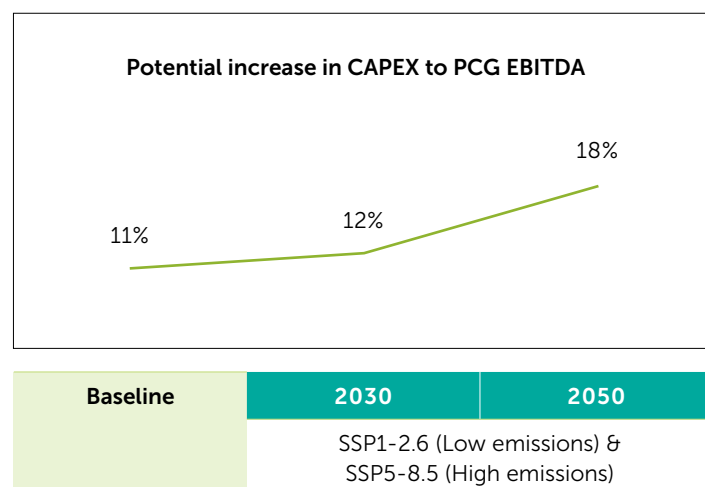
Time Horizon	Sites (SSP1-2.6)	Sites (SSP5-8.5)
Baseline	9/31 (29%)	
2030	9/31 (29%)	9/31 (29%)
2050	9/31 (29%)	9/31 (29%)

Extreme Winds & Storms

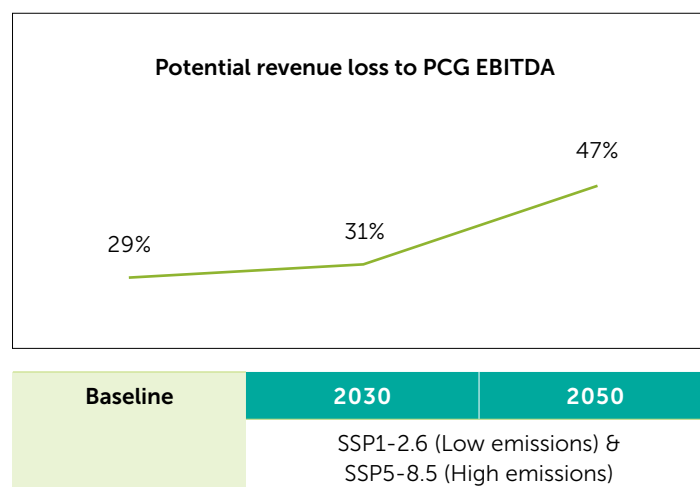
Time Horizon	Sites (SSP1-2.6)	Sites (SSP5-8.5)
Baseline	1/31 (3%)	
2030	1/31 (3%)	1/31 (3%)
2050	1/31 (3%)	1/31 (3%)

Potential Financial Impact for Physical Risk

Quantitative information about how flooding may impact the financial statements:



PCG forecasts the same impact for both scenarios.



PCG forecasts the same impact for both scenarios.

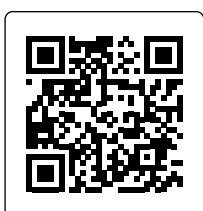


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