

## LyondellBasell's Task Force on Climate-related Financial Disclosures Index

LyondellBasell has identified that the long-term effects of climate change could present a material impact to our business model, assets and sites. In 2021, we began using the Task Force on Climate-related Financial Disclosures (TCFD) Guidance to develop our climate change risk management process to support further analysis of risks from climate change. This process, which we have continued to use throughout 2022, is embedded in our Enterprise Risk Management (ERM) approach and supports the identification of transitional and physical risks and the development of climate scenarios to provide additional insight into future business decisions and inform our climate change strategy.

By having a clear understanding and targeted approach to climate change risk management, we aim to help identify, assess and manage the risk exposures throughout LyondellBasell. Our objective is to help the company plan for the future, build climate resilience and minimize hidden risk exposures; therefore, ultimately reducing uncertainty in the future.

The following index provides the location of existing information and additional disclosures are informed by the TCFD guidance. This information and disclosure will continue to be further refined as we progress in our evaluation of these risks and opportunities and our climate ambition.

<b>Governance:</b> The organization's governance around climate-related risks and opportunities	
<b>TCFD Guidance</b>	<b>Disclosure Index</b>
a) Describe the board's oversight of climate-related risks and opportunities.	CDP Climate Change Response <a href="#">C1.1</a> <a href="#">2023 Proxy Statement – P26</a>
b) Describe management's role in assessing and managing climate-related risks and opportunities.	CDP Climate Change Response <a href="#">C1.2</a> <a href="#">2023 Proxy Statement – P28</a>
<b>Strategy:</b> The actual and potential impacts of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning	
<b>TCFD Guidance</b>	<b>Disclosure Index</b>
a) Describe the climate-related risks and opportunities LyondellBasell has identified over the short, medium, and long term.	CDP Climate Change Response <a href="#">C2.1</a> , <a href="#">C2.2</a> , <a href="#">C2.3</a> , <a href="#">C2.4</a> <a href="#">2022 Annual Report – Form 10-K, Item 1A</a>
b) Describe the impact of climate-related risks and opportunities on LyondellBasell's businesses, strategy, and financial planning.	CDP Climate Change Response <a href="#">C2.3</a> , <a href="#">C2.4</a> , <a href="#">C3.1</a> , <a href="#">C3.2</a> , <a href="#">C3.3</a> , <a href="#">C3.4</a>
c) Describe the potential impact of different scenarios, including a 2°C scenario, on LyondellBasell's businesses, strategy, and financial planning.	CDP Climate Change Response <a href="#">C3.2</a>

**Risk Management:** The processes used by the organization to identify, assess, and manage climate-related risks

TCFD Guidance	Disclosure Index
a) Describe LyondellBasell's processes for identifying and assessing climate-related risks.	CDP Climate Change Response <a href="#">C1.2</a> , <a href="#">C2.2</a>
b) Describe LyondellBasell's processes for managing climate-related risks.	CDP Climate Change Response <a href="#">C1.2</a> , <a href="#">C2.2</a>
c) Describe how processes for identifying, assessing, and managing climate-related risks are integrated into the organization's overall risk management.	CDP Climate Change Response <a href="#">C1.2</a> , <a href="#">C2.2</a>

**Metrics and Targets:** The metrics and targets used to assess and manage relevant climate-related risks and opportunities

TCFD Guidance	Disclosure Index
a) Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process.	CDP Climate Change Response <a href="#">C2.1</a> , <a href="#">C4.5</a> , <a href="#">C11.3</a>
b) Disclose Scope 1, Scope 2, and, if appropriate, Scope 3 greenhouse gas (GHG) emissions, and the related risks.	CDP Climate Change Response <a href="#">C5.1</a> , <a href="#">C5.2</a> , <a href="#">C6.1</a> , <a href="#">C6.2</a> , <a href="#">C6.3</a> , <a href="#">C6.5</a> , <a href="#">C6.10</a> , <a href="#">C7.1</a> , <a href="#">C7.2</a> , <a href="#">C7.3</a> , <a href="#">C-CE7.4/C-CH7.4/C-CO7.4/C-EU7.4/C-MM7.4/C-OG7.4/C-ST7.4/C-TO7.4/C-TS7.4</a> , <a href="#">C7.5</a> , <a href="#">C7.6</a> , <a href="#">C-CE7.7/C-CH7.7/C-CO7.7/C-MM7.7/C-OG7.7/C-ST7.7/C-TO7.7/C-TS7.7</a> , <a href="#">C-CH7.8</a>  <a href="#">2022 Sustainability Report – P35</a>
c) Describe the targets used by LyondellBasell to manage climate-related risks and opportunities and performance against targets.	CDP Climate Change Response <a href="#">C4.1</a> , <a href="#">C4.2</a>  <a href="#">2022 Sustainability Report – P8</a>