

LyondellBasell's Task Force on Climate-related Financial Disclosures Index and Additional Information

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 used 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, embedded in our Enterprise Risk Management (ERM) approach, is supporting 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 and the extended supply chain. Our objective of doing so 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 be further refined as we progress in our evaluation of these risks and opportunities and our climate ambition.

Governance: The organization's governance around climate-related risks and opportunities	
TCFD Guidance	Disclosure Index
a) Describe the board's oversight of climate-related risks and opportunities	CDP Climate Change Response C1.1a 2021 Proxy Statement – P27
b) Describe management's role in assessing and managing climate-related risks and opportunities.	CDP Climate Change Response C1.2 ; C1.2a 2021 Proxy Statement – P28
Strategy: The actual and potential impacts of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning	
TCFD Guidance	Disclosure Index
a) Describe the climate-related risks and opportunities LyondellBasell has identified over the short, medium, and long term.	CDP Climate Change Response C2.1 , C2.2 , C2.2a , C2.3b , C2.4b 2020 Annual Report – Item 1A
b) Describe the impact of climate-related risks and opportunities on LyondellBasell's businesses, strategy, and financial planning.	CDP Climate Change Response C2.3b , C2.4b , C3.1b , C3.3 , C3.4 Additional Information: LyondellBasell is in the process of furthering and expanding our assessment of the impact of the identified climate-related risks and opportunities. As this assessment evolves and is quantified, we will include further information on climate-related risks and opportunities in our future annual Sustainability Reports, CDP Climate Reports, and other public disclosures as appropriate.
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 C3.2a

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 C2.2 , C2.2a
b) Describe LyondellBasell's processes for managing climate-related risks	CDP Climate Change Response C2.2
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 C2.2

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 C2.1a , C2.1b , C4.5a , C11.3a
b) Disclose Scope 1, Scope 2, and, if appropriate, Scope 3 greenhouse gas (GHG) emissions, and the related risks.	CDP Climate Change Response C5.1 , C6.1 , C6.2 , C6.3 , C6.5 , C6.10 , C7.1 , C7.1a , C7.2 , C7.3a , 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 , C7.5 , C7.6b , C-CE7.7/C-CH7.7/C-CO7.7/C-MM7.7/C-OG7.7/C-ST7.7/C-TO7.7/C-TS7.7 , C-CH7.8 2020 Sustainability Report P55
c) Describe the targets used by LyondellBasell to manage climate-related risks and opportunities and performance against targets.	CDP Climate Change Response C4.1 , C4.1b 2020 Sustainability Report P9 Additional Information: On September 29, 2021, we updated our climate change goals, consistent with our efforts to support the Paris Climate Agreement. We have set a goal of a 30% absolute reduction of our Scope 1 and 2 emissions by 2030, as an interim step towards our ambition to achieve net zero emissions from global operations by 2050. Please see press release here .