

Reaching net zero: LGIM's approach

Fighting climate change requires global greenhouse gas emissions to reach net zero. As an asset manager, we are committed to [playing our part](#) in this critical mission.

LGIM has committed to **work in partnership** with our clients to reach **net-zero greenhouse gas emissions by 2050 or sooner** across all assets under management. In addition, drawing on industry best practice, we have set out LGIM's key requirements **for a fund or investment portfolio** to be considered net zero aligned.

Our overarching ambition is to help decarbonise the real economy. To this end, we have also committed to strengthening our standards as the progress made by companies and governments worldwide accelerates.

What does this mean in practice for a portfolio?

1 Set targets

- Net zero greenhouse gas emissions by 2050
- Either a reduction of at **least 50% in carbon intensity by 2030** relative to 2019 baseline¹ or portfolio **temperature alignment of 1.5°C by 2030**²
- These are two key milestones informed by the recommendations of the Intergovernmental Panel on Climate Change

2 Adopt a decarbonisation pathway

- The investment process will incorporate a **mechanism to make progress over time towards the targets set**
- Multiple approaches could be pursued (potentially in conjunction) **based on carbon emissions or temperature alignment** for the entire portfolio and/or for key sectors (such as utilities). Options include setting top-down targets for the average profile of a portfolio, or bottom-up requirements for securities to be eligible – e.g. specifying a temperature alignment threshold for issuers on fund launch³



Catherine Ogden
Manager, Sustainability and Responsible Investment



Caroline Ramscar
Head of Sustainability Solutions



3

Engage for change

- Engagement with investee companies to achieve real economy emissions reductions is critical
- As a firm, we are recognised for using our scale and the weight of our votes in advocacy and engaging with policy makers, regulators and companies on climate change
- Our longstanding engagement programme, the Climate Impact Pledge,⁴ targets companies associated with about 60% of greenhouse gas emissions from listed businesses⁵

- Through both direct and collaborative engagement, we will ensure that in net-zero funds **we engage with issuers responsible for more than 50% of a portfolio's associated emissions**
- We will increase this figure further over time, in line with best practice set out in key net-zero investment frameworks⁶

4 Exclude misaligned companies that are not making sufficient progress

- We will exclude companies involved in **new thermal coal and new oil sands projects***
- These represent sector-based exclusions at a fund's launch, while other exclusions may be applied depending on the emissions profile of a company over time or as a sanction under the Climate Impact Pledge
- These exclusions will evolve in time in line commitments by corporates and policy makers

5 Grow 'green' opportunities

- We will grow the proportion of the portfolio allocated to low-carbon investments⁷ where possible for the mandate
- LGIM will continue to develop the capability for the portfolios we manage to allocate to low-carbon investments across asset classes

In devising the standards detailed above, we have sought to incorporate elements of best practice from three investment frameworks: 1) the Net Zero Investment Framework from the Paris-Aligned Investment Initiative;⁸ 2) the UN-convened Net-Zero Asset Owners Alliance;⁹ 3) the Science-Based Targets Initiative.¹⁰ We recognise that industry guidance is evolving fast; we will continue to build on our approach.

Net-zero challenges

There are some key challenges to consider when aligning investment funds to net zero. Less than 10% of companies today are on track for net zero¹¹ – meaning that for most diversified investors, we believe the most significant question is not whether a portfolio is net zero today, but how to devise strategies that effect long-term change in the market. This has a number of important implications, which we outline below.

The real economy

Net zero means that, on average at the global level, carbon-emitting 'assets' must match carbon-absorbing 'liabilities'. This does not mean that every company, sector or country will move at the same speed, and some emissions will be inevitable.

What is LGIM doing?

We are developing the analytics – such as our [Destination@Risk](#) climate modelling toolkit – to understand better which companies and countries are making progress towards net zero, and to attempt to quantify their related financial risks. We are further evolving our product range aligned with net zero and will continue to monitor and review our funds in light of the progress made in the real economy. At the same time, we will ratchet up our engagement with corporates and governments to help accelerate this progress, through programmes such as our [Climate Impact Pledge](#).

Asset classes

What is the carbon footprint of a portfolio that holds no assets, just US dollars? Or inflation-linked derivatives? Whereas it is relatively easier to devise strategies around entities with attributable or reported emissions, such as companies, there is as yet no universally agreed methodology for some asset classes, such as cash, or for consistent measurement of different asset-class metrics within multi-asset portfolios.

What is LGIM doing?

We will continue to collaborate with regulators and industry peers – in initiatives like the [Glasgow Financial Alliance for Net Zero](#) – to help create more consistent, harmonised standards for net-zero investing across asset classes. The conversations are most advanced around net-zero alignment of listed equity, debt and real estate; we will seek to expand our approach as data and standardisation improves in this fast-moving area.

Exclusions

The net-zero challenge is broader than merely excluding high-emitting sectors, as all companies generate some emissions – either directly through their operations (Scope 1 and 2) or through their value chain (Scope 3). Some high emitters, such as mining companies, will have an important role in developing and investing in solutions. Unilaterally divesting holdings is, therefore, not guaranteed to lead to the decarbonisation of the real economy and indeed could impede necessary investment in climate solutions.

⁶This is in addition to applying within these funds our LGIM-wide coal exclusion policy, which can be found [here](#).

What is LGIM doing?

Our choice of initial exclusions – new thermal coal and new oil sands* – targets some of the highest-carbon sectors of the global economy, which are structurally misaligned to the direction of travel, and to which cleaner, cheaper alternatives are increasingly available. They are also designed pragmatically, so as not to immediately and substantially reduce diversification – and increase turnover and costs – for some of the existing portfolios that are committing to net zero.

Over the next decade, as the deadline for halving carbon intensity approaches, issuers that are not making substantial progress in reducing their own emissions – regardless of their sector – are likely to find themselves at risk of exclusions from the growing share of LGIM assets managed in line with net zero. Where relevant, we may also seek to apply further exclusions – for example, sanctions under our Climate Impact Pledge, or more stringent temperature-alignment requirements.

Offsets

For net-zero-aligned funds, we have not committed to large-scale purchases of carbon credits to offset the emissions associated with portfolios, as our aim is to **prioritise real-world emissions reductions**.

A net-zero world

In summary, at LGIM, we are continually evolving our capability to meet these challenges, **providing climate solutions** across asset classes and investment strategies for our clients. These range from thematic [funds](#) focused on clean energy to climate-aligned credit and low-carbon index solutions.

LGIM will continue to debate and collaborate with regulators, stakeholders and industry peers to help create more consistent, harmonised standards for net-zero investing across asset classes. We will do this through our involvement in initiatives like the Glasgow Financial Alliance for Net Zero, as well as via the key role held by our CEO, Michelle Scrimgeour, as co-chair of the COP26 Business Leaders Group.

We all have a role to play in tackling the systemic issues facing people and the planet; **both asset owners and asset managers** will play a crucial part in reaching a net-zero world.

Find out more

- Legal & General Group's journey to net zero: <https://www.legalandgeneralgroup.com/csr/journey-to-net-zero/>
- More details on our climate modelling solutions in the context of net zero: <https://www.lgim.com/uk/en/insights/our-thinking/esg-and-long-term-themes/net-zero-a-practical-guide-for-investors/>
- The potential for hydrogen in the net zero economy: https://www.lgimethf.com/landg-assets/lgimethf/files/hydrogen-etf-white-paper_etf119212021.pdf
- LGIM's Climate Impact Pledge engagement programme, focused on net zero, providing credible incentives for companies to step up on sustainability: <https://www.lgim.com/uk/en/responsible-investing/climate-impact-pledge>
- Our commitment to net zero across L&G Workplace pensions defaults and the L&G Mastertrust: <https://www.legalandgeneralgroup.com/media-centre/press-releases/lg-workplace-pensions-and-lg-mastertrust-set-out-roadmap-to-net-zero-by-2050/>
- Our net zero roadmap for the real estate portfolio: <https://www.legalandgeneralgroup.com/media-centre/press-releases/legal-general-continues-fight-against-climate-change-as-it-publishes-strategy-to-deliver-net-zero-across-its-real-estate-portfolio/>
- The Net Zero Asset Managers Initiative: <https://www.netzeroassetmanagers.org/>
- Dotting your i's and crossing your TCFDs: https://www.lgim.com/landg-assets/lgim/_document-library/insights/long-term-thinking/tcfd-5-step-checklist.pdf



* In addition to those exclusions set under LGIM's coal [policy](#)

¹ Relative to fund or reference index. For funds launched at later dates the 50% reduction can be pro-rated over the remaining time to 2030. Carbon intensity is to be calculated as carbon emissions divided by revenue or enterprise value including cash (EVIC). As part of our monitoring, we will seek to address any reductions in emissions intensity resulting from inflation or asset price increases.

² In certain funds (for example, actively managed funds) it is possible that changes of asset allocation (for example, switching from financials to utilities) may result in an increase in carbon footprint, even if the chosen securities represent the best in class from a climate performance. That is why we are proposing the use of 1.5°C temperature alignment (which means that the average expected rate of decarbonisation of the fund in 2030 is on track for a net zero trajectory by 2050).

³ For an illustration of such an approach, "Assuming a reference index that is aligned to a three-degree climate outcome, [we would] seek to decarbonise the portfolio by 30% in the first year, by screening out a portion of the highest emitters. The portfolio would also reduce its alignment from three to 2.5 degrees. [...] For the next decade, the fund manager would need both to reduce the temperature alignment of the portfolio by 0.1 degrees [each year], while simultaneously decarbonising at a portfolio level. By 2025 the fund would be on track for an 80% reduction in emissions [...] By 2030, the portfolio would be in full alignment with net zero, and on track for net zero by 2050, assuming the investee companies continue to deliver on their forward commitments." (Source: <https://www.lgim.com/uk/en/insights/our-thinking/esg-and-long-term-themes/net-zero-a-practical-guide-for-investors/>)

⁴ <https://www.lgim.com/uk/en/responsible-investing/climate-impact-pledge>

⁵ <https://www.lgimblog.com/categories/esg-and-long-term-themes/climate-impact-pledge/>

⁶ For example, the Paris-Aligned Investment Initiative recommends "at least 70% of financed emissions in material sectors are either net zero, aligned to a net zero pathway, or the subject of direct or collective engagement and stewardship actions"

⁷ Given the relative scarcity of companies disclosing line-item 'green' revenues, the extent to which, for example, an index fund tracking market capitalisation may be able to invest in climate solutions may be limited by tracking error constraints.

⁸ https://www.parisalignedinvestment.org/media/2021/03/PAIL_Net-Zero-Investment-Framework-1.0_Implementation-Guide.pdf

⁹ <https://www.unepfi.org/net-zero-alliance/resources/alliance-2025-target-setting-protocol/>

¹⁰ <https://sciencebasedtargets.org/resources/legacy/2020/10/SBTi-Finance-Criteria-and-Recommendations-Pilot-Version.pdf>

¹¹ Source: LGIM analysis, as at June 2021.

Contact us

For further information about LGIM, please visit [lgim.com](https://www.lgim.com) or contact your usual LGIM representative



Important information

Past performance is not a guide to future performance. The value of an investment and any income taken from it is not guaranteed and can go down as well as up, you may not get back the amount you originally invested.

This document is designed for the use of professional investors and their advisers. No responsibility can be accepted by Legal & General Investment Management Limited or contributors as a result of information contained in this publication. The information contained in this brochure is not intended to be, nor should be construed as investment advice nor deemed suitable to meet the needs of the investor. Nothing contained herein constitutes investment, legal, tax or other advice nor is it to be solely relied on in making an investment or other decision. The views expressed here are not necessarily those of Legal & General and Legal & General Investment Management Limited may or may not have acted upon them. This document may not be used for the purposes of an offer or solicitation to anyone in any jurisdiction in which such offer or solicitation is not authorised or to any person to whom it is unlawful to make such offer or solicitation. No party shall have any right of action against Legal & General in relation to the accuracy or completeness of the Information, or any other written or oral information made available in connection with this publication. Forward-looking statements are, by their nature, subject to significant risks and uncertainties and are based on internal forecasts and assumptions and should not be relied upon. There is no guarantee that any forecasts made will come to pass. Nothing contained herein constitutes investment, legal, tax or other advice nor is it to be solely relied on in making an investment or other decision.

As required under applicable laws Legal & General will record all telephone and electronic communications and conversations with you that result or may result in the undertaking of transactions in financial instruments on your behalf. Such records will be kept for a period of five years (or up to seven years upon request from the Financial Conduct Authority (or such successor from time to time) and will be provided to you upon request.

© 2021 Legal & General Investment Management Limited. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means, including photocopying and recording, without the written permission of the publishers. Legal & General Investment Management Limited. Registered in England and Wales No. 02091894. Registered Office: One Coleman Street, London, EC2R 5AA.

Authorised and regulated by the Financial Conduct Authority, No. 119272.

D002301