

Saviours Place, Warrington

Housing Market Intelligence Conference

6 October 2022

Bukky Bird
Group Sustainability Director
Barratt Developments PLC



BARRATT
DEVELOPMENTS PLC

THIS TIME LAST YEAR



United Nations
Climate Change



UN CLIMATE
CHANGE
CONFERENCE
UK 2021

IN PARTNERSHIP WITH ITALY





Wollega genocide



Pakistan floods



War in Ukraine

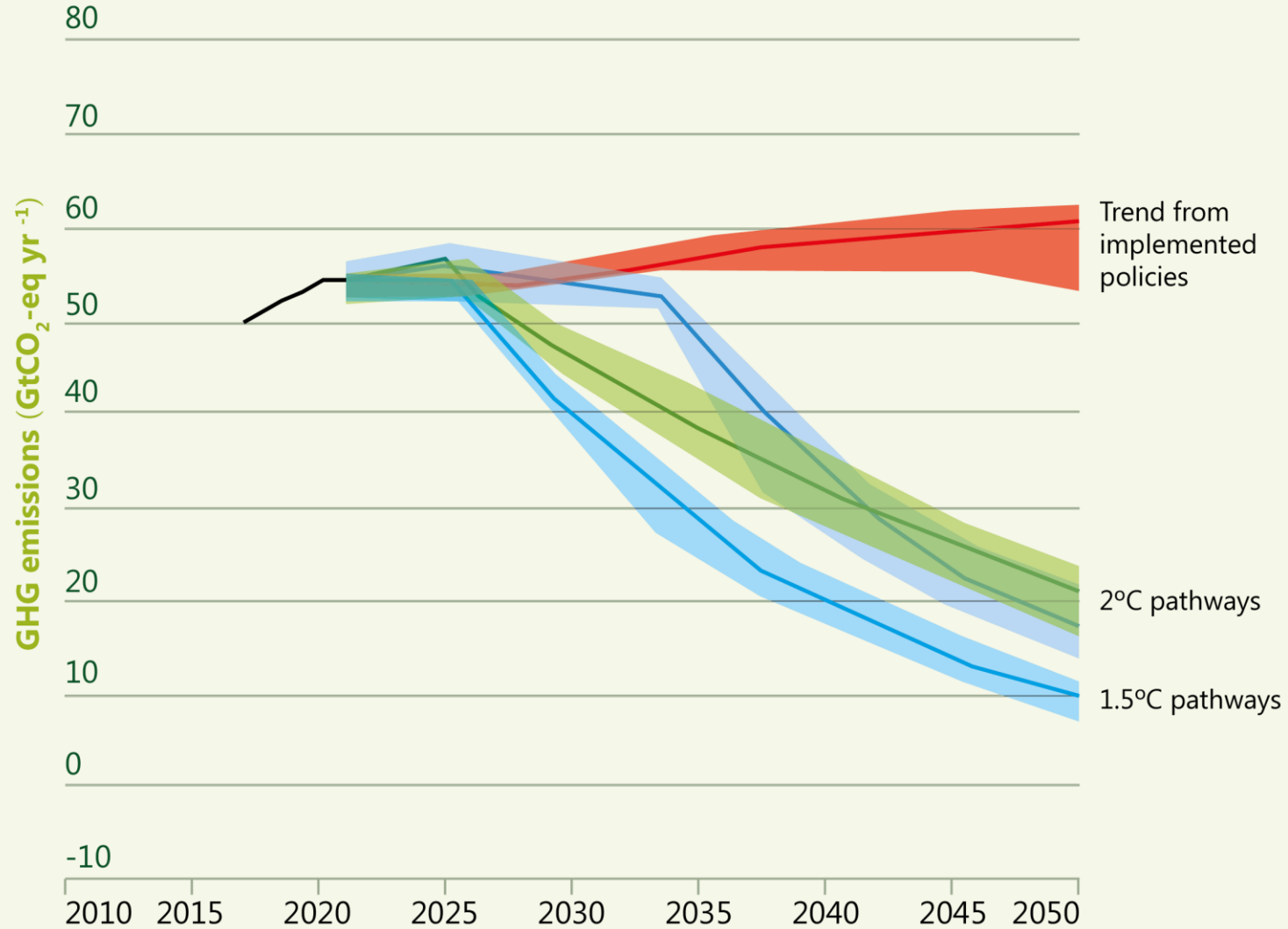


National drought in China

GLOBAL RESPONSE TO NET ZERO



Future global greenhouse-gas emissions for Paris targets, CO₂ equivalent



Data Source: IPCC, 2022

GLOBAL RESPONSE TO NET ZERO

Source: Climate Change Performance Index 2022



- **Denmark: 4th**
- **UK: 7th**
- **USA: 55th**
- **Russia: 56th**

Rank		Country	Rank		Country	Rank		Country
1.	*	-	22.	▼	European Union (27)	43.	new	Viet Nam
2.	*	-	23.	new	Philippines	44.	—	Bulgaria
3.	*	-	24.	▲	Greece	45.	—	Japan
4.	▲	Denmark	25.	new	Columbia	46.	▼	Ireland
5.	▼	Sweden	26.	▼	Latvia	47.	▼	Argentina
6.	▲	Norway	27.	▼	Indonesia	48.	▼	Belarus
7.	▼	United Kingdom	28.	▼	Croatia	49.	▼	Belgium
8.	▼	Morocco	29.	▲	Mexico	50.	▲	Slovenia
9.	—	Chile	30.	▼	Italy	51.	▼	Czech Republic
10.	—	India	31.	▼	Thailand	52.	▼	Poland
11.	▲	Lithuania	32.	▲	Estonia	53.	▼	Hungary
12.	—	Malta	33.	▼	Brazil	54.	▼	Algeria
13.	▲	Germany	34.	▲	Spain	55.	▲	United States
14.	▼	Finland	35.	▼	New Zealand	56.	▼	Russian Federation
15.	▼	Switzerland	36.	▼	Austria	57.	▼	Malaysia
16.	▲	Portugal	37.	▼	China	58.	▼	Australia
17.	▲	France	38.	▼	Romania	59.	▼	Korea
18.	▲	Luxembourg	39.	▼	South Africa	60.	▼	Chinese Taipei
19.	▲	Netherlands	40.	▼	Slovak Republic	61.	▼	Canada
20.	—	Ukraine	41.	▲	Cyprus	62.	▼	Islamic Republic of Iran
21.	▲	Egypt	42.	—	Turkey	63.	▼	Saudi Arabia
						64.	▼	Kazakhstan

REALITY OF CLIMATE CHANGE AND GEOPOLITICAL PRESSURES



Wholesale gas prices soared more than 300% over the past year



Data Source: ICE Futures Europe

THE UK IS FAILING AGAINST SDGs



- Progress against only 17% of targets
- Gaps or inadequate performance on 64% of targets
- Little to no policy or declining performance on 11% of targets



Data Source: UN Global Compact Network UK, 28th September 2022



- Pro fracking, oil and gas
- Reviewing green levies
- Investment Zones

- Green Prosperity Plan
- Pro clean steel and renewables
- Programme of domestic insulation



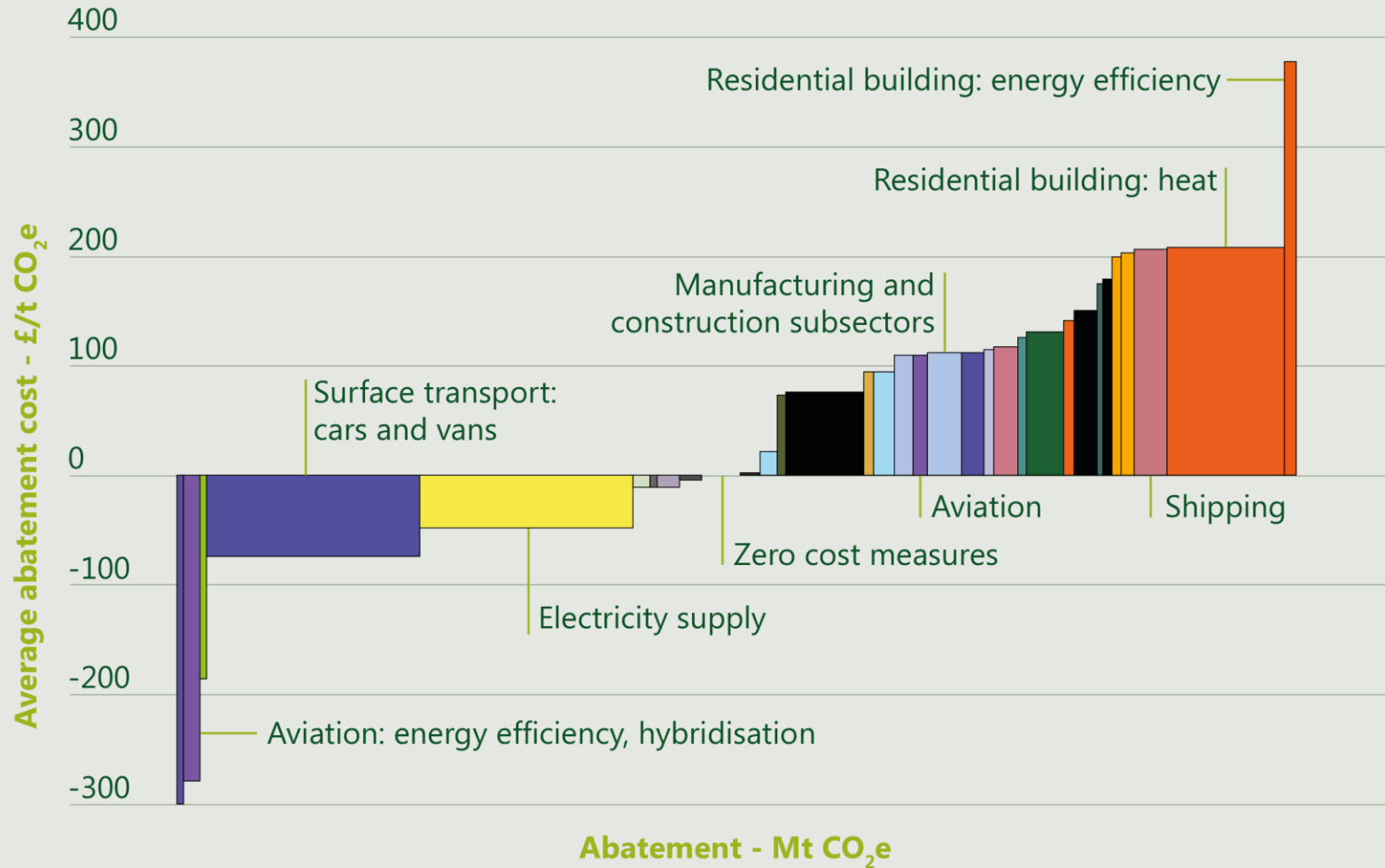
No net zero without homes decarbonised

Global and EU collaboration is a must

Customer awareness and demand

Societal challenges will need more business action

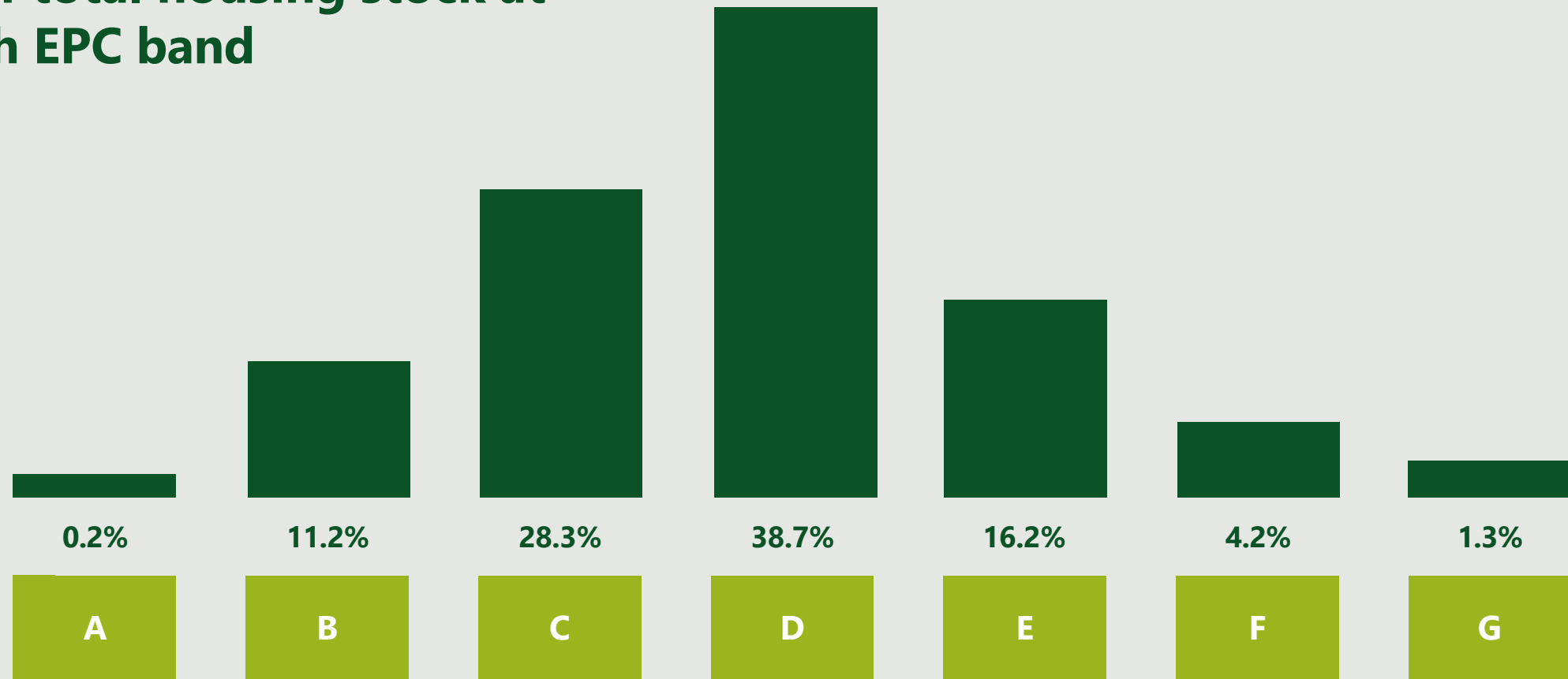
NO NET ZERO WITHOUT HOMES DECARBONISED



Source: UK's Climate Change Committee - The Sixth Carbon Budget, December 2020



% of total housing stock at each EPC band



Source: Energy Performance Certificates for Buildings Register for England and Wales

Data: January 2008 to June 2022



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Top 20 global CO₂ export flows (Mt CO₂, 2015)

Note: Excluding mining activities and services

Source: OECD Trade Embodied CO₂ Database (TECO₂), BCG

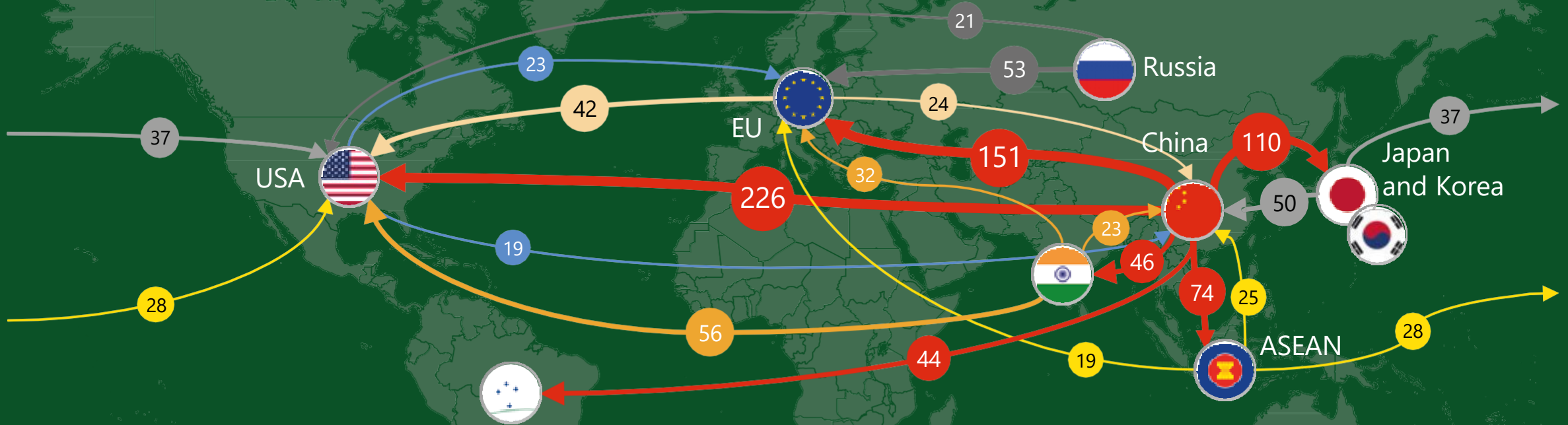


Image Source: https://www3.weforum.org/docs/WEF_Net_Zero_Challenge_The_Supply_Chain_Opportunity_2021.pdf



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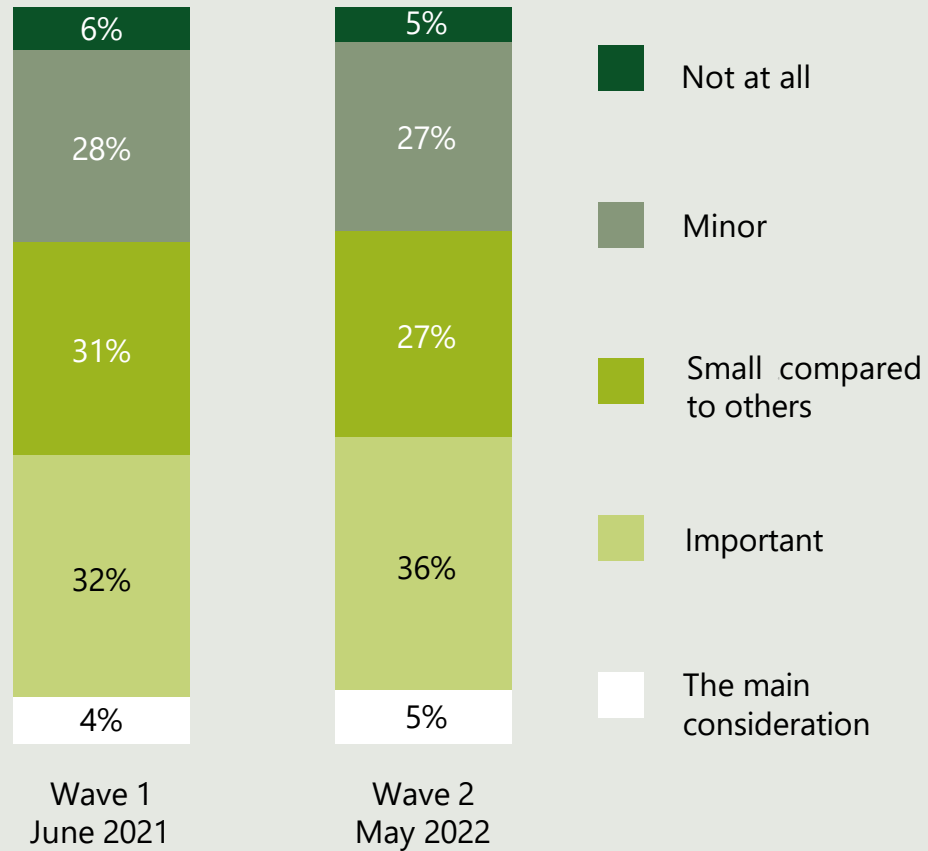
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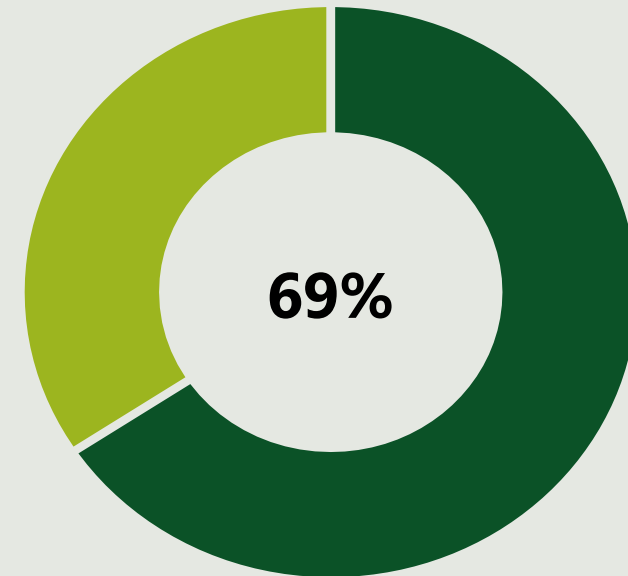
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Consideration of environmental impact and running costs



Important considerations



- Sustainable features
- Cheaper household bills

Source: Barratt commissioned research agency May 2022, sample of 2,000 recent purchasers or those in market in the next two years



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Societal challenges will need more business action



- Climate change, covid and the cost-of-living crisis exacerbating existing human rights issues
- 14 of Barratt's 26 targets are focused on delivery of societal challenges

Covid-19 pandemic has 'increased the gulf' of inequality, say most Brits

Construction was modern slavery hotspot during lockdown

Wealth inequality rises in Britain after decade of stability

Fifty million trapped in modern slavery as Covid, conflict and climate change drive surge

Health inequalities require 'urgent' action across Government say MSPs



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Societal challenges will need more business action

Demand reduction is critical

Supply chain partnership is key

Converting value of sustainable homes

Businesses cannot be part of the problem



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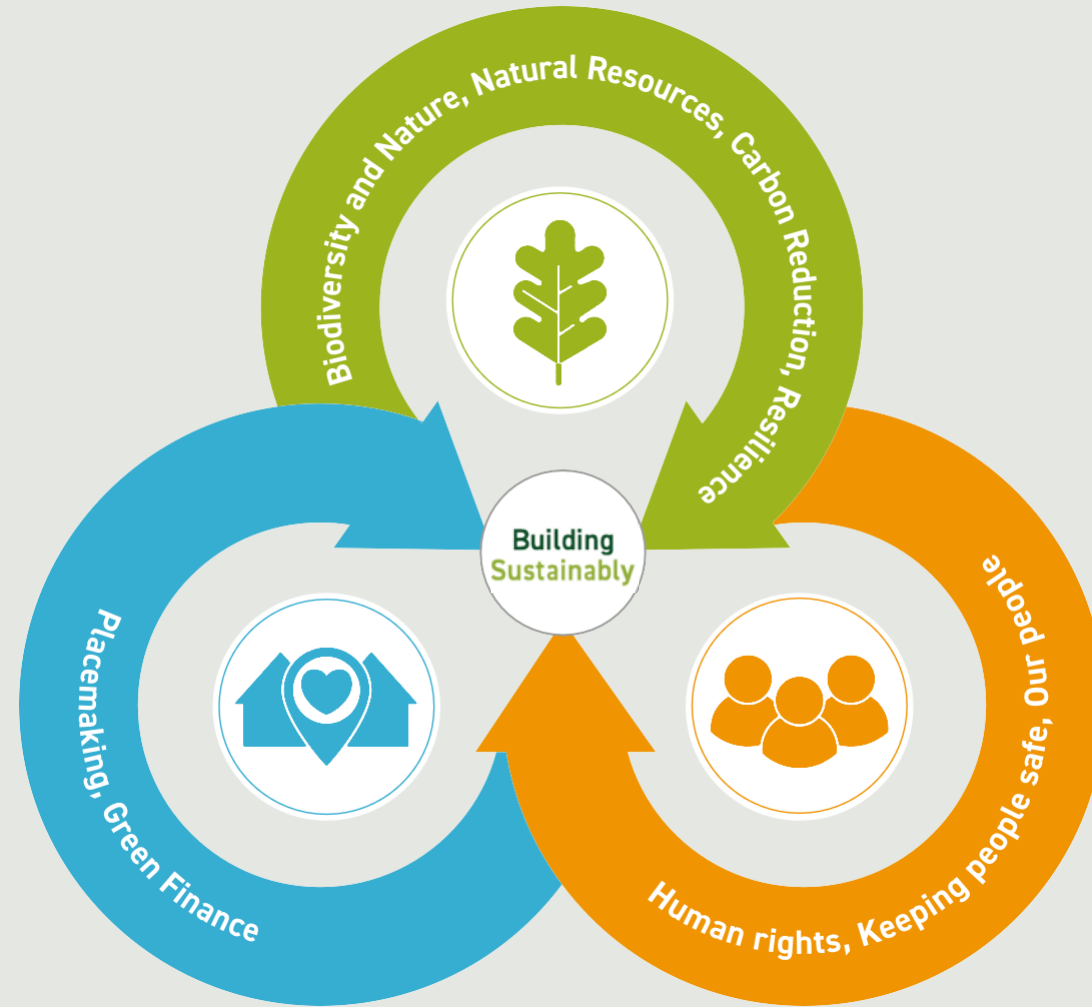
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ZERO CARBON ROADMAP



Energy House 2.0, Salford



Zed House, Salford

Positive outcomes for biodiversity: **species increase**



Barratt Kingsbrook, Aylesbury

Positive outcomes for biodiversity: **species increase**



House Sparrow

(red listed)

+3,941%

Reed Bunting

(amber listed)

+65%

Bumblebees

+118%

Starling

+96%

Whitethroat

+72%

Barratt Kingsbrook, Aylesbury



Three degree apprenticeship programmes with Sheffield Hallam University





Electric fleet, Barratt Brooklands





- Protect against future climate costs
- Drive innovation and growth areas



- Reduce costs and drive savings
- Competitiveness
- Convert customers to low carbon homes

- License to operate
- Promote reputation, trust and engagement
- Partner of choice