

Enabling Commercial Retrofit

Enabling National Action on Commercial Retrofit

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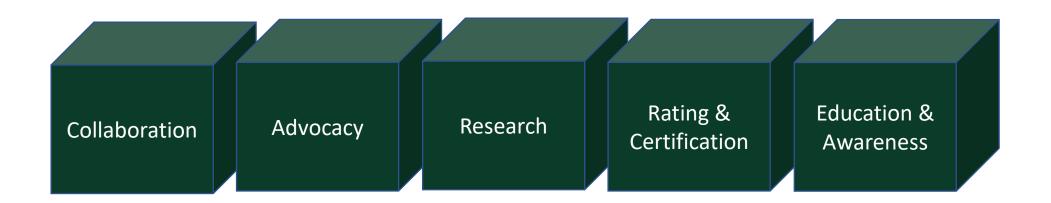






Core Mission:

Accelerating sustainable change across the built environment through collaboration, education, research, rating and advocacy to live within our planetary boundaries



Contact: tom@igbc.ie

Our Green Building Councils



Europe							
Austria	Germany	Latvia	Norway	Sweden			
3ulgaria	Greece	Luxembourg	Poland	Switzerland			
Croatia	Hungary	Macedonia	Serbia	Turkey			
inland	Ireland	Montenegro	Slovenia	Ukraine			
France	Italy	Netherlands	Spain	United Kingdom			









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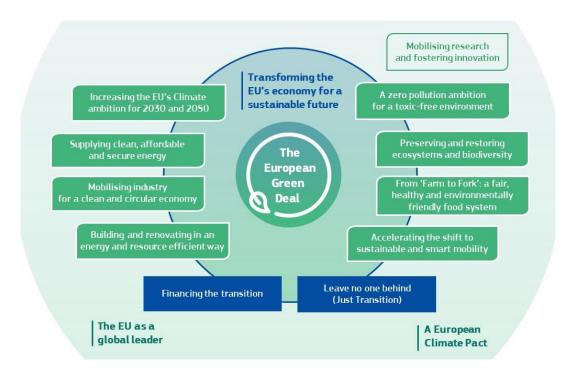




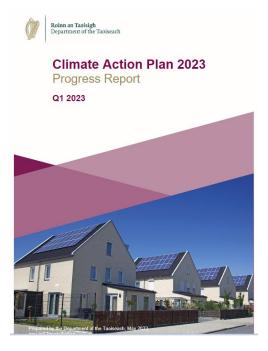
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WHAT IS ENACT?

- **Enabling National Action on Commercial Retrofit**
- 2022 2025
- National SEAI Funded state funding
- Direct implementation of actions recommended under the EU Green Deal,
 2030 Climate & Energy Framework, National Climate Action Plan, National
 Long-term Renovation Strategy and the Programme for Government.













Enabling Commercial Retrofit

WHO WILL ENACT BENEFIT?

- SME's
- Buildings & Financial professionals
- Decision makers government policy, regulators and legislators

WHAT WILL OUTCOMES LOOK LIKE?

Clustered under:

- Appetite
- Accessibility
- Affordability
- 1. Research to develop solutions for market failures
- 2. Research to inform holistic decision & policy making in achieving national targets in attitudes, behavioural economic, technical & financial areas
- Software tools for individuals in commercial sector to aid decision making & monitoring
- **4. Professional training & awareness** roll out, with guidance documents to build capacity and appetite





STEERING COMMITTEE 'BRAIN BANK' – 20 x MEMBERS















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Gníomhaireacht Bainistíochta an Chisteáin Náisiúnta National Treasury Management Agency















Energy Transition Readiness Index – Ireland 2022

	Overall rankings	
5	Finland	
4	Denmark, France, Netherlands, Norway, Sweden	
3	Germany, Ireland, Italy, Poland, Spain, Switzerland, UK	
2		
1		
¹See Sectio	n 5 of this report for source and savings calculation.	

The main barriers in Ireland include:

- •Reduced confidence in the timely development and deployment of policies to implement the transition.
- •Weakened political and public consensus for the energy transition owing to affordability/current energy crisis
- •Delays in the deployment of renewable generation owing to the current energy crisis
- •Grid accessibility constraints
- •Slow electric vehicle and charging infrastructure rollout

Current Cycle H1 - 2023 - Dates for the Diary

			,			
2022	2023		2024		2025	
1.	2.	3.	4.	5.	6.	7.
	1.	Monthly +++ Jur	ne/ July/ x / Sept/	Oct/ Nov/ Dec – E	NACT webinars 2 ^t	nd Tues @ 1pm
	2.	June '23 - Stake	eholder Engageme	ent Workshops x 1	.0	
	3.	July 2023 – Adv i	sory Report on Sp	olit Incentives		
	4.	July 2023 – Exer	nplars of Renovat	ion: Financial & Te	echnical Analysis	
	5.	July 2023 – Fina	ncial Mechanisms	for Commercial I	Renovation Repor	t
	6.	July 2023 – SEAI	Reporting & Com	ms		
	7.	July 2023 – Build	dings Renovation	Passport pilot dev	elopment	
	8.	Sept 2023 – Occ	upancy Training –	- training & aware	ness study	
	9.	Sept 2023 – Stee	ering Committee n	neeting		
	10.	Sept 2023- 2024	– Journal Paper o	on Behavioural (U	G)	

FINDINGS SO FAR...

High-Level Overview - Targets

"...deep retrofits are 0.2% on average in the EU. If the EU is to achieve both its 2030 climate target and climate neutrality by 2050, this figure must drastically (by a factor of 15) increase to reach 3% by 2030 and be maintained up to 2050." - BPIE

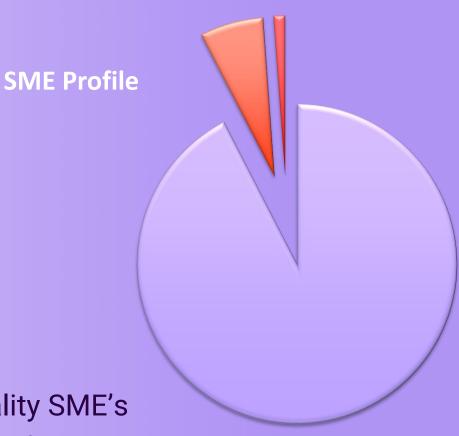
45% Non-domestic sectoral GHG ceiling versus 40% resi reduction *Ireland's Climate Action Plan 23 1/3 commercial B2+ by 2030 = 35,970 *National Long Term Renovation Strategy



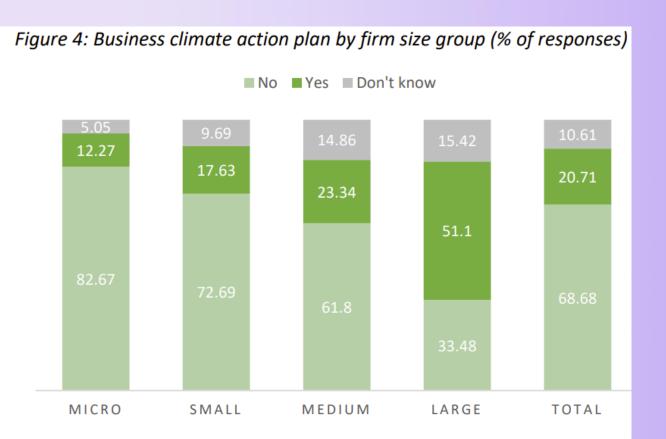


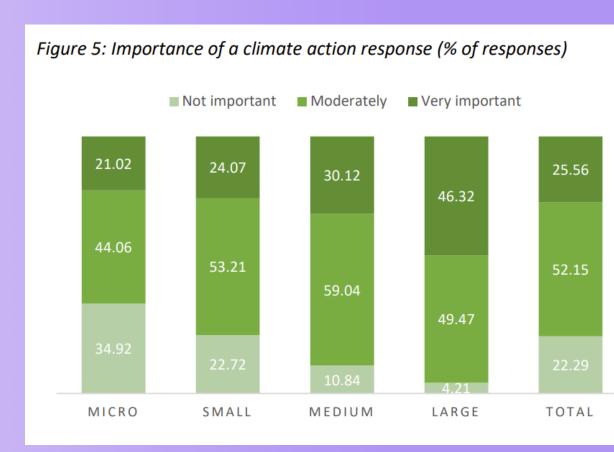
High-Level Overview - Profile Data

- > 109,000 Commercial Premises (2015 figure)
- Sectoral nuances
- > 83% lease or rent premises (ENACT profile survey)
- National awareness of commercial premises profiling challenged by poor BER data
- Lack of Buildings Stock Management approach
- ▶ 62% commercial premises NOT BER assessed (profile survey in 2022) versus 45% resi
- ➤ 4% annual retrofit + 0.1% deep retrofit SEAI Stats
- Smart buildings not utilized to full extent
- Increasing brand association drivers for Retail/ Hospitality SME's
- Increasing model of professional property owner for SME's



High-Level Overview of SME Target Audience - Where is the Gap?





High-Level Overview of SME Target Audience - Drivers

Influencing Factors:		
Energy cost savings	19%	
Regulatory compliance	14%	
Concern about climate change	14%	
Contributing to your brand identity on sustainability	13%	
Corporate decarbonisation strategy	13%	
Future-proofing your property	9%	
Wellbeing of occupants	8%	
Pressure from customers to set a decarbonisation strategy	4%	
Concern about stranded assets	2%	
Pressure from finance provider to set a decarbonisation strategy		
None of the above	0%	
Other (please specify)		

Figure 7 – Top factors influencing decisions favour of energy renovation

High-Level Overview of SME Target Audience - Barriers to Renovation

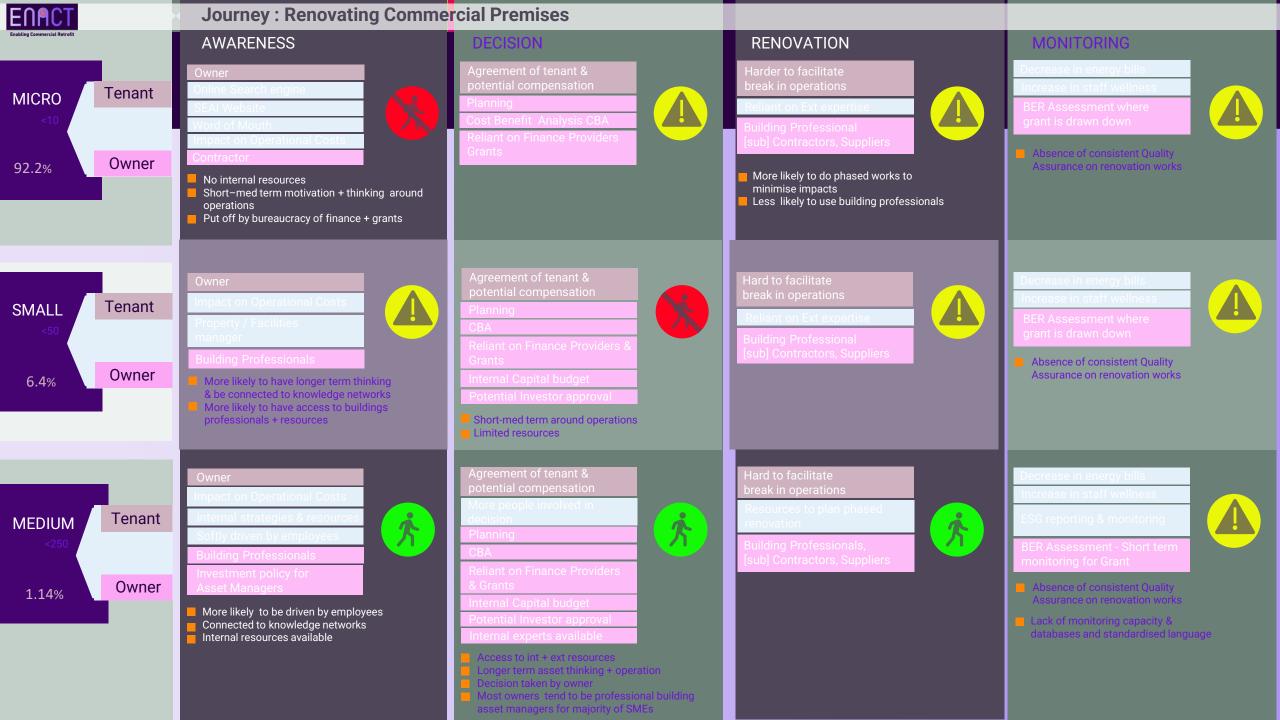
Owners' Barriers:

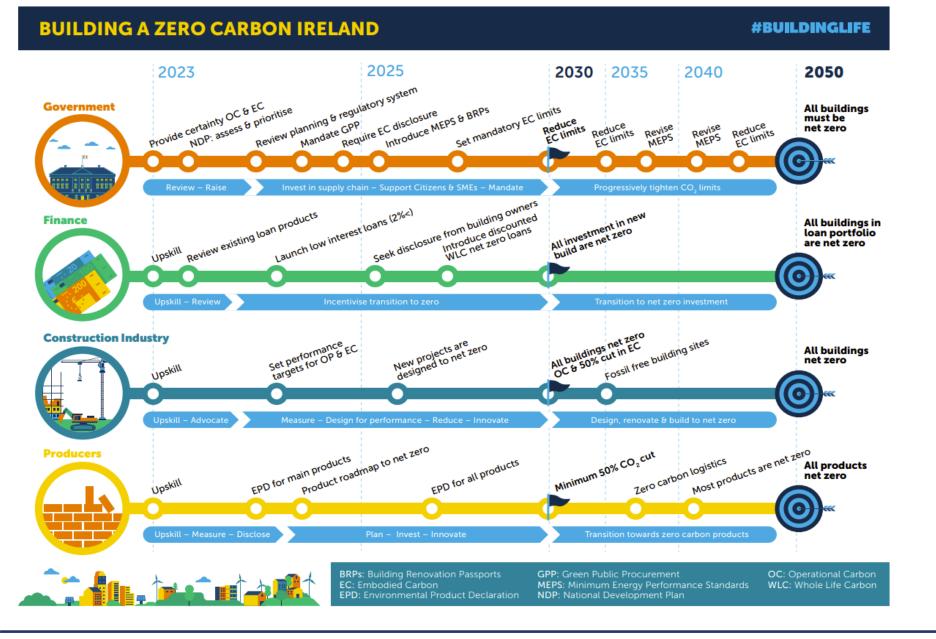
- No proper benchmarking of buildings
- Valuations not reflecting sustainability
- Fast pace of climate law change slows cap-ex
- Slow pace of planning if decision taken
- Inefficient regulations Part B & Part L
- Tenant time poor to share data
- Tenant reluctance to stop operations
- EU Taxonomy doesn't properly incentivise 'brown to green' refurbs
- Insufficient tax incentives
- Cost

Tenants' Barriers:

- Lack of motivation
- Lack of awareness and ownership
- 'Increase in rent' potential
- Timing
- Payback period issue
- Allocation of costs
- Tenants' in older buildings/ protected structures have bigger barriers

^{*}SME Split Incentives Focus Group – Owners + Tenants





Advocacy

Recommendations – Awareness & Knowledge:

- **SEAI Technical Advisor scheme** to be extended to all projects (especially for traditionally built buildings)
- Renovation Clustering May need to consider ways to support aggregation of projects in commercial buildings (e.g., supermarket) to reduce costs (economy of scale, etc)

Recommendations – Decision Stage:

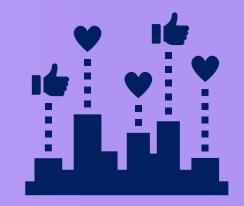
Review existing retrofit grants and tax incentives to ensure they are fully aligned with overall carbon reduction goals, including regeneration objectives. This would involve taking into account operational emissions, embodied carbon and location-based indicators that impact transport emissions.



• **ESG Compliance** – Encourage all larger building portfolios to disclose the **operational energy and carbon performance** of all held properties (at asset level) across their portfolios (funds) in annual reporting

Recommendations - Renovation Stage:

- Need to better support quality phased retrofit through the introduction of Building Renovation Passport & National Renovation Roadmap
- Skills & Capacity upskill at scale & incentivize e.g. through a Green Pass similar to Safe Pass or Green Public Procurement to attract new people to the industry



Recommendations – Post - Renovation:

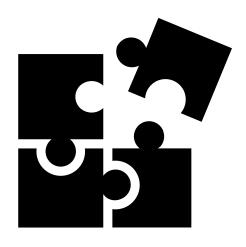
 Occupant Upskilling - Liaise with building users from the very beginning of any renovation works and ensure the handover process forms an integral part of all retrofits, with users receiving clear and reliable information about the building, particularly for new, less familiar technologies



- Review the Long-Term Renovation Roadmap
- Review the BER capture of commercial renovation data needs
- Digitisation of the built environment
- 2025 Onwards: As part of non-residential retrofit project funding, lenders should require and verify that all property owners evaluate and minimise embodied carbon in retrofit and renovation works through WLC assessment



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IMPACT & IMPLEMENTATION: Overview of Insights

- Optimising Energy Efficiency is core to ZEB 2050 Targets
- Energy crisis has been a **'eureka' moment** for national sustainability awareness
- Innovations for old issues Smart Buildings addressing historic structures
- Created a **common language of understanding** between owners/ occupiers
- Communications of targets, eco-labelling, rating and certifications is key
- **Centralisation of info** to navigate renovation landscape
- Irish residential energy issues have **delayed commercial sector supports**
- **EPBD Recast roll-out** bodies awaiting delivery of criteria for BRP, MEPS etc
- Commercial portfolios now have compliance, not just energy savings as a driver to change
- **Banking sector** moving away from EPC ratings as an award criteria, towards decarbonisation criteria
- Creating the **enabling infrastructure from micro to macro** is biggest issues





CALL TO ACTION....



It's time to take the next step in your #CommercialRenovation journey....
PLEASE REGISTER & CIRCULATE

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