



An Roinn Fiontar,
Trádála agus Fostaíochta
Department of Enterprise,
Trade and Employment

Decarbonising the Commercial Built Environment- Draft Roadmap Work

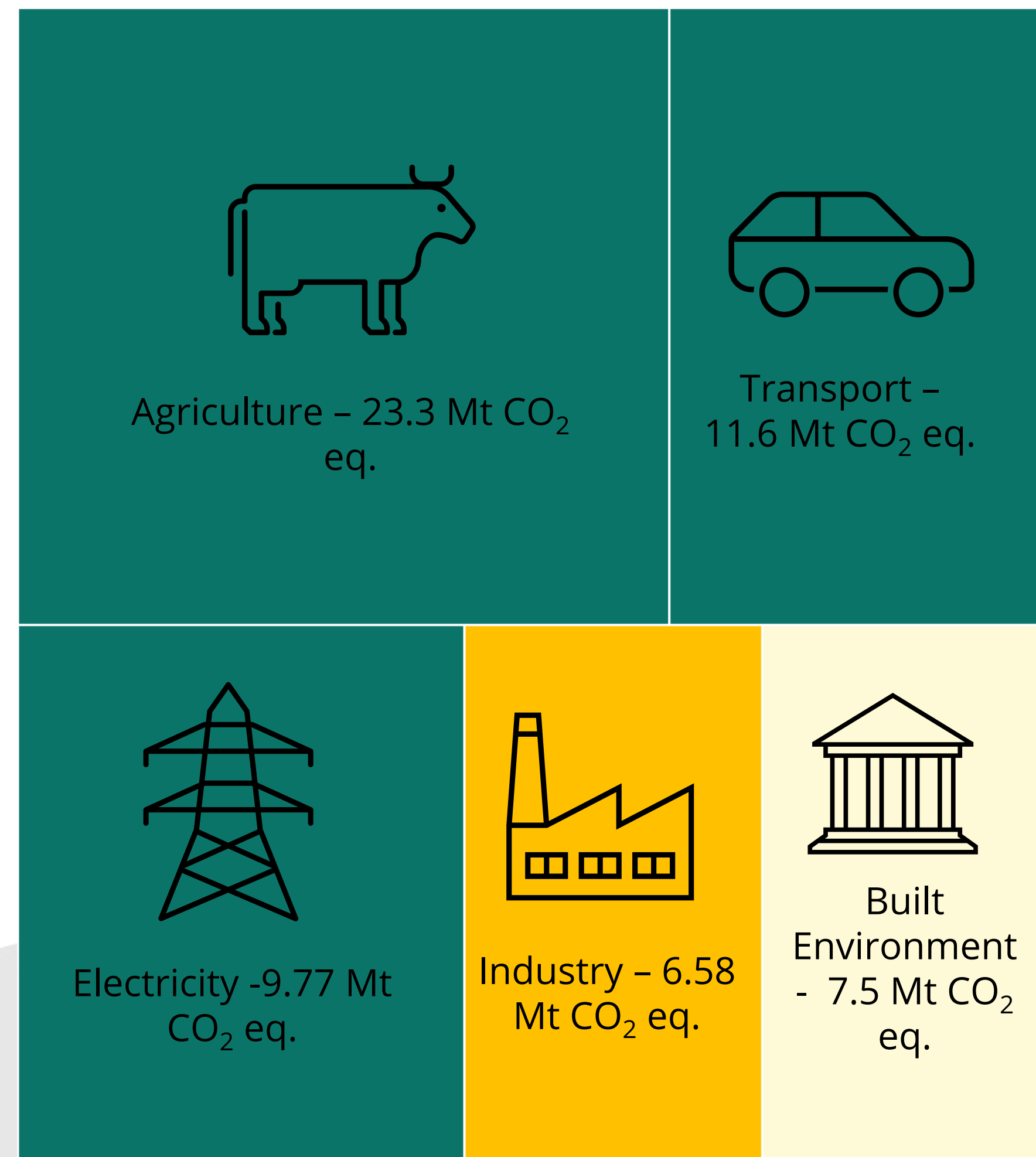
Presentation to the Retail Forum Green Transition Working Group
6 March 2024

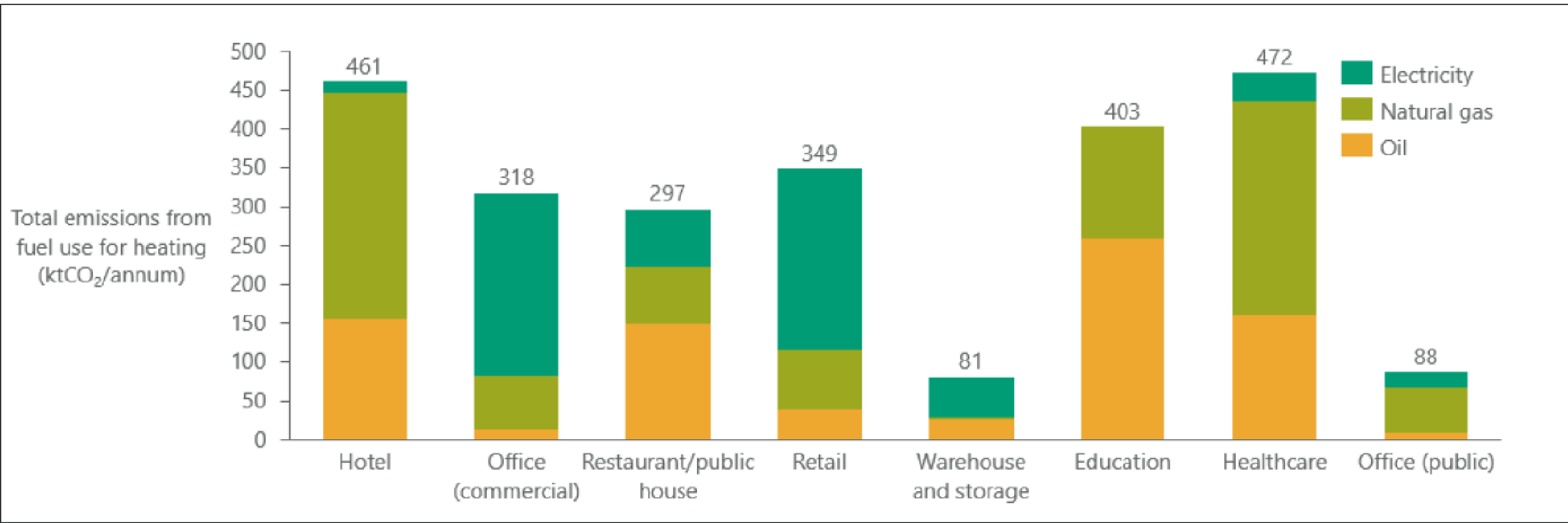
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Emissions Overview



- Industry Emissions were **6.58 MtCO₂eq.** in 2022.
This is 9.7% of national GHG emissions
- **Built Environment (2022) accounted for 7.54 MtCO₂eq. in 2022 (11.07%) of GHG Emissions.**
Commercial and Public Sector buildings accounted for 1.47% of total GHG Emissions in 2022 (1.43 MtCO₂eq.)





National Heat Study

Net Zero by 2050

Key Insights, Evidence and Actions



Climate Action Objectives- Commercial Built Environment



- Support delivery of emission savings of 375KtCO₂ (735KtCO₂ by 2030) in commercial and public sector buildings.
- Promote and support building automation and control optimisation and smart technologies to increase energy efficiency and monitoring.
- Supply up to 0.1TWh of district heating infrastructure by 2025, and at least 0.2TWh by 2030. (Report of District Heating Steering Group)

Climate Action Objectives- Commercial Built Environment



- Prioritise the installation of rooftop solar PV on buildings with useful floor area over 250m² on new public and non-residential buildings by 31 December 2026 in line with EPBD and subject to permitting processes.
- Implement the Energy Performance of Buildings Directive (EPBD) ZEB standard for all new commercial and public buildings.

What will support our objectives?



- **Energy Performance in Buildings Directive**- Zero Emissions New Buildings, Decarbonising existing building stock, Solar Technology, Global Warming Potential- Whole Life Carbon, Minimum Energy Performance System (MEPS), Parking EV Infrastructure.
- **Energy Efficiency Directive**-Reduce final energy consumption by 11.7% by 2030; All MS will contribute to EU target through indicative contributions and trajectories; MS will ensure annual savings of 1.49% on average gradually reaching 1.9%.
- **Renewable Energy Directive** -Speed up the deployment of renewable energy across the EU; Double share of renewables in final energy consumption by 2030; Share of renewables in heating and colling should reach 43% by 2030.
- **District Heating** — availability of DH to business (up to 0.2 TWh by 2030)
- **Phase out of Fossil Fuel Boilers**
- **Fuel switching**



Some Issues considered for the Roadmap



- **Commercial Arrangements including Green Leases**-developing a voluntary code of practice to address the split incentive issue and start engagement between tenant and landlord.
- **Skills and Supply Chain**- examining what is the specific ask/requirement for the commercial built environment.
- **Communication/Information/Raising awareness**- communications plan will be developed.
- **Business Supports including Access to Finance**- review what is avail and look at other countries supports and identify any gaps.

What business supports are available?



Name of Support	Agency	Description
Climate Toolkit 4 Business	DETE	All businesses should engage first with the Climate Toolkit 4 Business. The Toolkit allows SMEs to input some simple information to get an estimate of their carbon footprint. It will use this information to generate a personalised action plan and recommend those supports that are relevant to help each business reduce their carbon footprint and energy costs.
SEAI Energy Academy	SEAI	The SEAI Energy Academy gives business access to high quality on demand energy training that can assist them in obtaining the skills required to start their energy efficiency journey.
Supports for decarbonising investments		
Energy Monitoring and Tracking Systems	EI/IDA	50% grant rate, with a range of €5,000 to €50,000, to incentivise companies to put in place monitoring and targeting systems to begin accounting for the carbon footprint of their activities
Support Scheme for Renewable Heat	SEAI	The SSRH comprises an installation grant for heat pumps (up to 40% of eligible costs) and an operational support (an ongoing payment for up to 15 years) for biomass and anaerobic digestion (biogas) heating systems.
EXEED	SEAI	Support of up to €3,000,000 is available per project, SEAI provide grant support for projects which are following the EXEED Certified standard for Excellence in Energy Efficient Design.
Energy Efficiency Grant	LEOs	50% of eligible costs up to a maximum grant of €5,000, available through the Local Enterprise Offices, provides funding to small businesses to invest in more energy efficient technology. It supports the investment in technologies and equipment identified in a Green for Business Report, GreenStart Report or an SEAI Energy Audit.
Research, Development & Innovation (RD&I) Fund	EI/IDA	50% grant rate, with a maximum of €250,000, to provide assistance to carry out explorative work assessing the resource requirements and the opportunities and risks of a potential R&D project in the area of sustainability
Innovation Vouchers	EI/IDA	50% grant rate, to a maximum of €5,000, for the purpose of gaining academic support in research or innovation from a listed knowledge provider
Agile Innovation Fund	EI/IDA	50% grant rate, up to a max of €150,000, supporting the development of new or substantially improved products, services or processes for companies in sectors with rapid design cycles to maintain their technology positions

What business supports are available?



Name of Support		Description
Exploring Innovation Grant	EI/IDA	50% grant rate, up to a maximum of €35,000, to develop better planning of R&D, innovation or international collaboration projects encouraging strategic thinking around disruptive green technologies
Non-domestic Microgen Grant	SEAI	20-30% grant, from €2,700 to maximum of €162,600, providing financial assistance to help businesses and other sectors to install solar PV panels to generate electricity on site.
Accelerated Capital Allowance	SEAI	For businesses to reduce their tax bill and energy costs, the Accelerated Capital Allowance is a tax incentive that encourages investment in energy saving technology. Companies that operate and pay corporation tax in Ireland can avail of the ACA scheme for a list of the technologies and products on the Triple E Products Register.
Growth and Sustainability Loan Scheme	SBCI	The scheme provides SMEs and Small Mid-Caps, including farmers and fishers, with long-term low cost financing to encourage the growth and resilience of their enterprises or improve their performance in terms of climate action and environmental sustainability.
Energy Efficiency Obligation Scheme	SEAI	Under this scheme energy suppliers must support energy efficiency projects in homes, businesses and communities across Ireland
Supports for Expertise and Consultancy		
GreenStart	EI/IDA	80% grant rate, to a maximum of €5,000, towards hiring a Green Service Provider for seven days to undertake a short assignment to achieve cost and resource reduction targets towards future environmental improvement projects
GreenPlus	EI/IDA	50% grant rate, to a maximum of €50,000 in order to access an external environmental expert to develop a high level of environmental management capabilities, drive environmental efficiencies and achieve improved sustainability
Climate Action Voucher	EI/IDA	€1,800 grant for independent technical or advisory services that assist companies to develop an initial sustainability, decarbonisation or circular economy strategy and action plan
Strategic Consultancy Grant	EI/IDA	50% grant rate, to a max of €35,000, towards the costs incurred in hiring a consultant to assist in the development and/or implementation of strategic initiatives and company plans for sustainability and decarbonisation
Support Scheme for Energy Audits	SEAI	SEAI offers a €2,000 voucher to SMEs to undertake a bespoke energy audit of their business. The SEAI energy audit is an important step for businesses that want to save money, save energy and enhance their brand.
Green for Business	LEOs	Small and Micro Enterprises can avail of free expert advice and mentorship and a unique report for their business to understand and plan the next steps in their sustainability journey.
Large Industry Energy Network (LIEN)	SEAI	The Large Industry Energy Network (LIEN) members are companies with an annual energy spend of €1 million or more. SEAI work with these companies to improve their energy performance and assist them to lead on the transition, and inspire others to take action by sharing their experience. Special working groups within the Network have developed best practice guides on how to manage energy performance. LIEN members report annually on energy consumption and projects undertaken to help increase efficiency.

The Climate Toolkit 4 Business



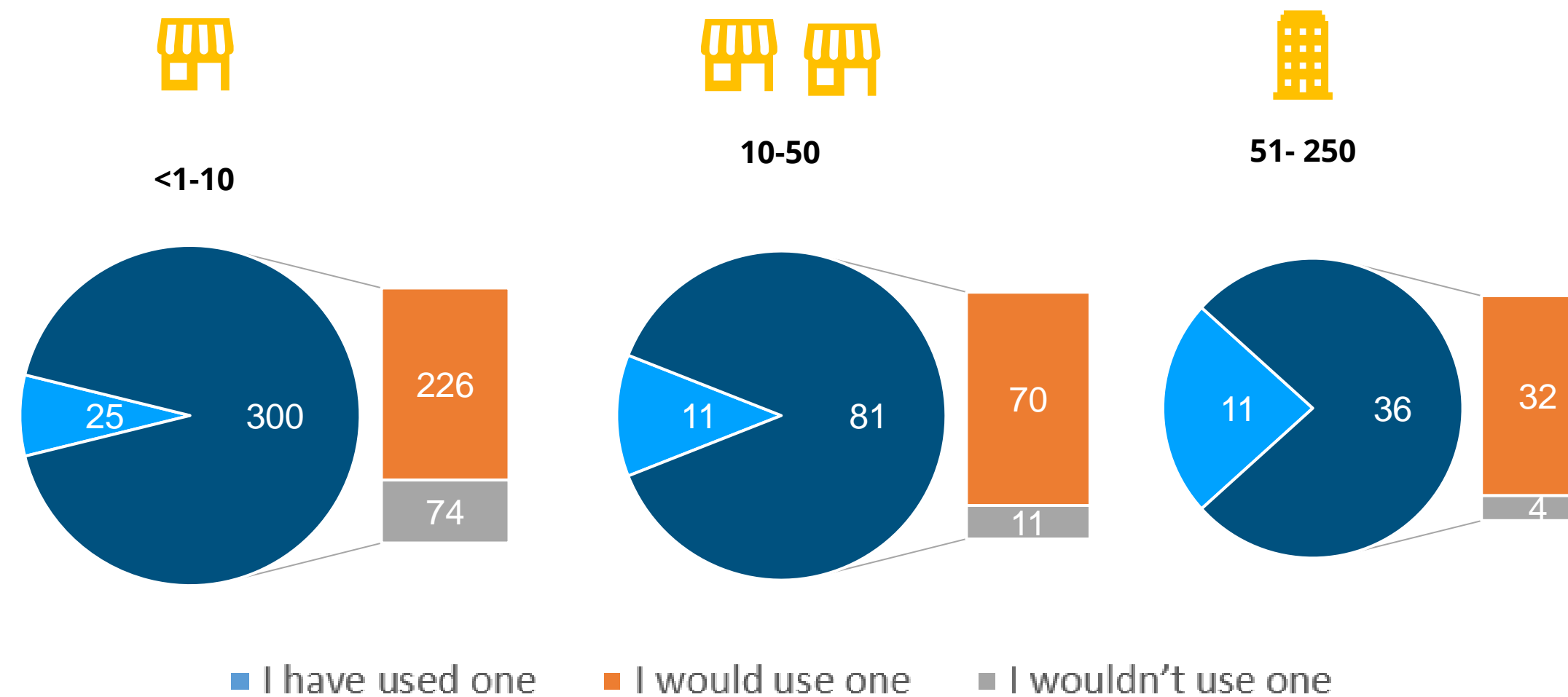
- Assisting enterprises to bridge the knowledge gap

The calculator will assist them in:

- *Calculating their carbon footprint – energy, waste, water, travel*
- Provide a series of relevant actions businesses can take & formulate a tailored Climate Action Plan
- Direct businesses to advice and supports available by IDA, EI, SEAI, Irish Water, EPA and others

Have you or would you use a carbon calculator to quantify your emissions? (by no. employees p/firm)

Climate Toolkit 4 Business
Start your zero carbon journey



Source DETE 2020



Contact Details

Do let us know what decarbonisation business supports are working/aren't working well for business and what is preventing business from taking action?

climateaction@enterprise.gov.ie



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Thank you!