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## Climate Action Roadmap 2025

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## 1.0 Introduction

**The NLI Climate Action Roadmap 2025** builds upon last year's roadmap by refining and updating the measures and actions required to deliver the carbon budgets and sectoral emissions ceilings. The plan provides a roadmap for taking decisive action for NLI to do its part to halve Ireland's emissions by 2030 and reach net zero by no later than 2050, as committed to in the Climate Action and Low Carbon Development (Amendment) Act 2021.

Following on from the approval and progress of the NLI Climate Action Roadmap 2024, the NLI's Climate Action Roadmap 2025 will incorporate requirements from the Climate Action Plan 2025 for Public Sector Bodies. The NLI's Climate Action Roadmap 2025 outlines the priorities of the organisation and project pipeline to achieve and where possible exceed the target requirements.

The Climate Action Plan 2021 (CAP21) committed that public sector bodies will complete Climate Action Roadmaps by the end of 2022. The Climate Action Roadmap is a document, to be produced by public sector bodies, which communicates how each public body aims to meet the requirements of the Climate Action Mandate (the Mandate) and reach its 2030 carbon and energy efficiency targets. This requirement applies to all public bodies, other than Local Authorities, commercial semi-state bodies and schools, all of whom have their own requirements. The Mandate is to be updated annually.

In the first Roadmap 2022, which was approved by the NLI Board on 01 December 2022, the NLI focused on setting up the new structures and plans for reducing total energy related emissions and fossil fuel related emissions from their operations in line with the targets in the Climate Action Plan 2021 (CAP21).

This 2025 Climate Action Roadmap records progress to date and outlines priorities for the coming year.

Future iterations of the roadmap will cover how to expand the scope of the Roadmap, which could potentially include other non-energy greenhouse gases, indirect emissions, and other adaptations to climate change as well as monitor progress and adapt band update project pipeline.

## 2.0 Our Targets

The Climate Action Mandate sets emission reduction and energy efficiency targets for public bodies:

- Reduce Green House Gas (GHG) emissions by 51% in 2030
- Increase the improvement in energy efficiency in the public sector to 50% reduction by 2030
- Put in place a Climate Action Roadmap 2025 by the end of July 2025

Further, in working with the Office of Public Works (OPW), we will investigate opportunities, arising from detailed Design Team-led assessments, & use these for the purposes of achieving a high Building Energy Rating (B or higher), that are appropriate to the historic heritage characteristics of our properties.

We will engage with the OPW to detail the project pipeline to 2030, including specific projects and actions, timelines, financing requirements and responsibilities. We will also investigate other potential plans for financing projects.

### 2.1 Achieving the energy efficiency target (50% improvement by 2030)

Energy efficiency baseline, as recorded by the SEAI Monitoring & Recording (M&R) system identifies a EnPI baseline of 361 KWh/m<sup>2</sup> in 2009 when the target reductions were initially set.

The Sustainable Energy Authority of Ireland (SEAI) Monitoring & Reporting (M&R) report for 2024 shows energy savings of **50.6%** for the NLI when compared to the 2009 Baseline year. The Green House Gas emissions are still to be reduced by **43.1%** to meet the target by 2030.

The NLI will continue to seek energy savings and particularly to reduce the GHGs, where there is still considerable work to achieve the Public Sector mandate reductions.

Projects in the past year that will continue to provide energy saving include:

- Continue to promote new Campus Development and the Gap to Target Modelling of such a project pipeline.
- Review of domestic hot water production strategy particularly in summer months to reduce unnecessary circulation losses.
- BMS controls strategy including updated heat exchanger, greater control over energy output within the NLI.
- Provision of insulated jackets to valve sets in both main plant rooms

- Insulation provided to main building basement pipework reducing circulation heat loss from pipework.

NLI will continue to develop and improve analysis of energy consumption patterns to help identify high energy use activity or locations. If there is a gap in achieving the mandated GHG emission reductions, we will identify additional energy efficiency pathway options including proposed actions to achieve energy efficiency targets, by detailing specific projects & timelines through engagement with OPW.

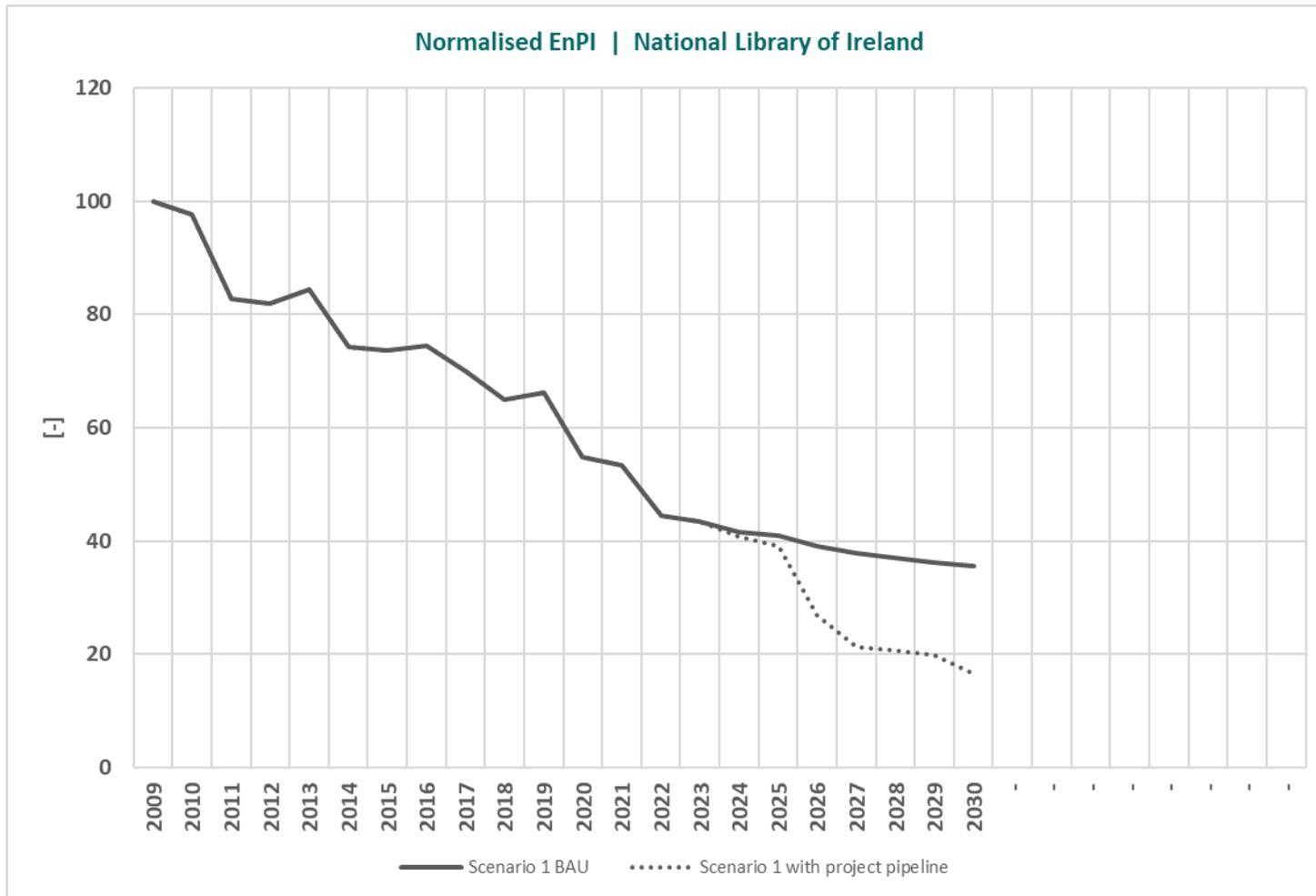
### Gap To Target Future Project Planning

We have modelled a project pipeline, (based on the 2022 Gap to Target software) with the following energy projects:

<b>Project title</b>	<b>Location</b>
• Secondary Glazing Phase 2	2-3 Kildare St
• Glazing Upgrade Phase 3	2-3 Kildare St
• Vacate NPA Basement	NPA
• New Energy Centre & Heat Pumps	2-3 Kildare St
• Vacate Parkwest	PW
• Construct new repository	2-3 Kildare St

The model will be updated once more information regarding programme and project definition becomes available.

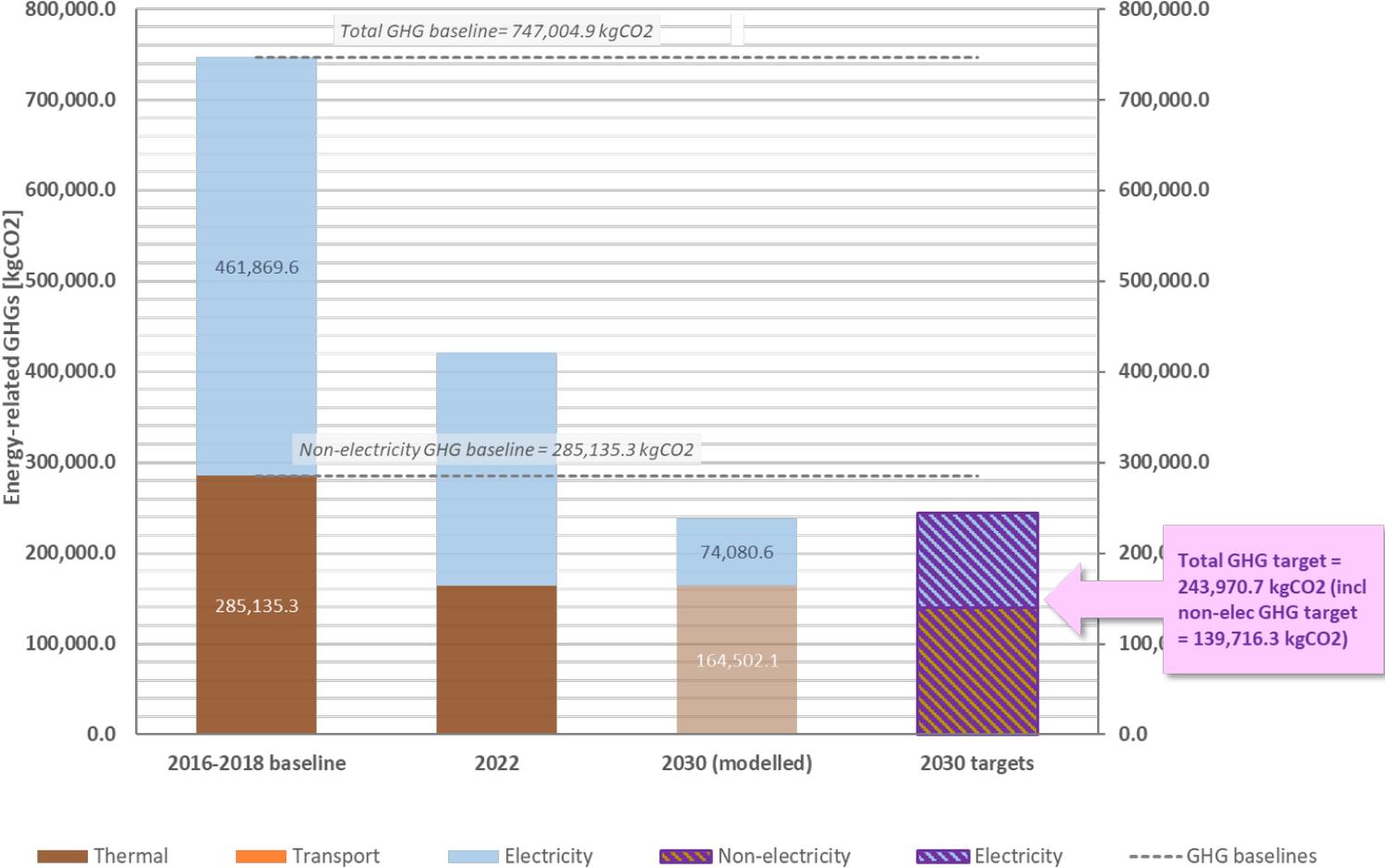
## SEAI 'Gap to Target' Model Output



Graph 1: Scenario 1 with no additional project (Solid line) demonstrates energy performance but includes grid decarbonisation.

Scenario 1 With Project Pipeline (dotted line) indicates projected energy reduction to **16.6%** of 2009 baseline energy use and a **67%** GHG modelled reduction (exceeding the 51% target reduction)

Total GHG target | National Library of Ireland



Graph 2: Decarbonisation Model (with Project pipeline).

### 3.0 Our People

As part of the NLI's Climate Action Roadmap 2025, the organisation will continue to incorporate appropriate climate action and sustainability training (technical and behavioural, including green procurement training) into learning and development strategies for staff. The NLI is committed to engage the staff on climate issues, including a focus on decreasing the organisation's carbon footprint. This will include 'All staff' meetings with the principal focus on climate issues and raising awareness on the topic.

The NLI Green Team and appropriate office holders, will research suitable and appropriate training for increasing the depth of knowledge generally as well as specific training relevant to posts related to climate action activities. The NLI undertakes to support the team, by providing time and funding for suitable Climate Action related training. Since the publishing of the NLI Climate Action Roadmap 2024, the NLI Green Team have welcomed a new team member – Karl Fagan (Buildings and Security Manager). The Head of Estates acts as the Climate and Sustainability Champion with responsibility for implementing and reporting on the mandate.

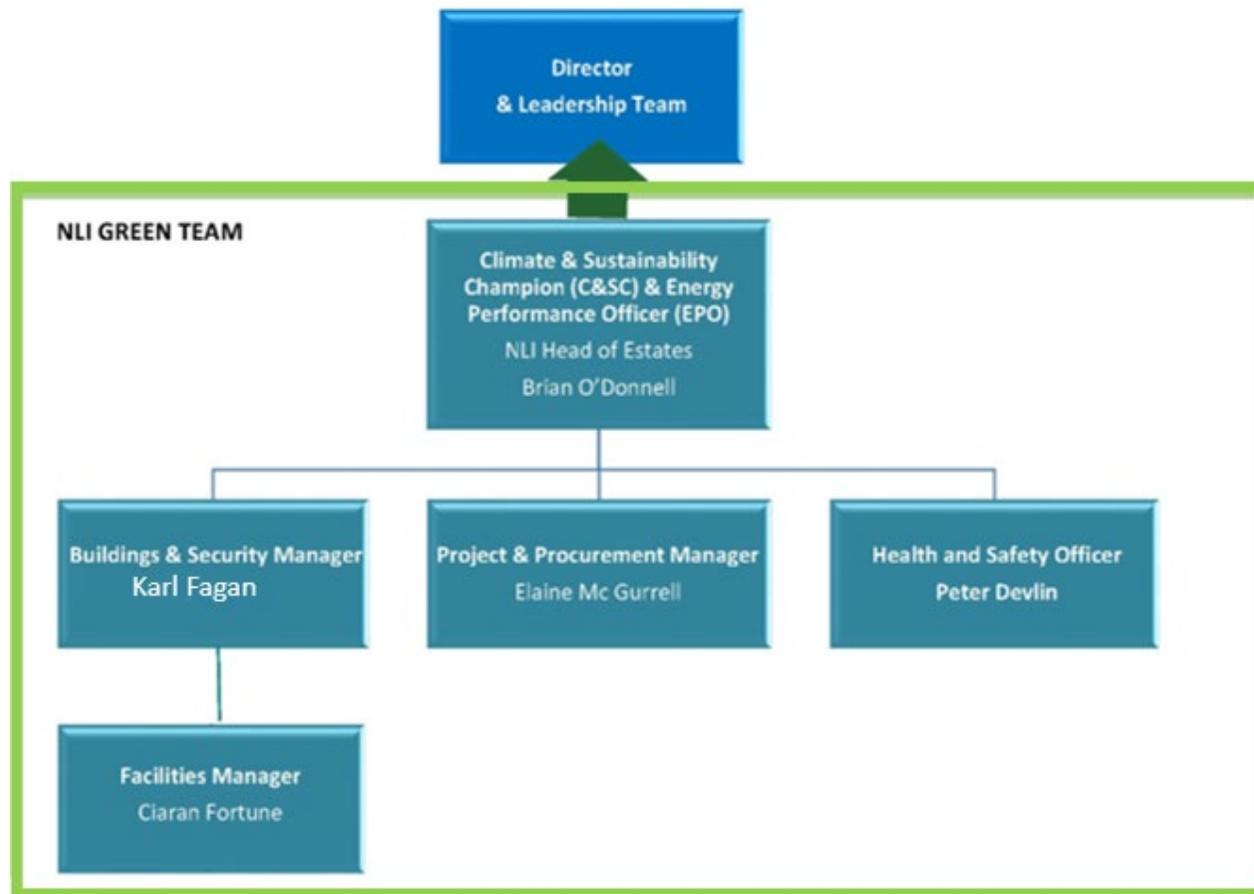
The Climate Action Mandate requires that leadership and governance structures for climate action are set up, and that staff are engaged with climate action and have appropriate training. The NLI have established and resourced a Green Team, reporting to senior management, to become integrated drivers of sustainability in the organisation. The Terms of Reference for a Green Team committee have been set out, and approved by the leadership team, together with the appointment of initial personnel to commence the work of the Green Team. The NLI Green Team have specified clear roles and responsibilities for each member and have committed to reaching shared goals as part of aligning with the public sector bodies Climate Action Roadmap guidance 2025. The NLI is committed to ensure all senior management (PO level or equivalent and above) and members of State Boards complete a climate action leadership training course in 2025.

In addition to briefing to improve staff engagement on climate action, specialist training is anticipated in areas of Green Procurement, Facilities Management and Energy Management as well as on energy conservation measures and strategies appropriate to our buildings, collections and activities. Members of the Green Team, or invited experts, will present a workshop event, or at least one All-staff Meeting annually, to engage staff on climate issues, including a focus on decreasing the organisation's carbon footprint, and other initiatives. Below is a list of staff related climate action training to date:

Staff	Training	Company
All	OPW Optimising Power	Aramark
All	Sustainability Strategy Awareness	Mortice Consulting
NLI Green Team	Energy Basics	SEAI
NLI Senior Management	Climate Action IPA Course	IPA
NLI Board	Climate Action Leadership Training	Hughes Hall, Univ. of Cambridge
Facilities Manager	Green Teams National Programme	Consult Eco
Facilities Manager	Level 8 Honours Degree Programme covering Sustainability & Climate issues	Griffin College

### 3.1. Leadership and Governance for Climate Action

The Governance structure for climate and sustainability including chart showing responsibilities.



The nominated Climate and Sustainability Champion should be a member of the Management Board reporting directly to the Director. The Climate and Sustainability Champion has responsibility for implementing and reporting on the Mandate.

Appointment of a member of the senior management team as an Energy Performance Officer was a requirement of the Public Sector Energy Strategy 2017. EPOs should have decision making powers with respect to facilities, corporate budgets, and procurement. It is noted that an appropriately ranked EPO may also serve as an organisation’s Climate and Sustainability Champion in smaller public bodies. As it is a smaller public body, the NLI Deputy Director & Head of Estates, a member of the management leadership team, also acts in the role of Energy

Performance Officer (EPO). The EPO has decision making powers regarding facilities management, corporate budgets and procurement, along with responsibility for corporate and financial reporting, so that they can:

- Lead the further development of our Energy Management Plan as an integral part of our Business Planning and Performance Management processes.
- Drive the implementation of the actions and projects agreed under our Energy Management Plan.
- Assign clear responsibility for implementation of our Energy Management Plan and ensure staff have the necessary training and support to carry out these tasks.
- Ensure the setting of our annual energy saving targets.
- Ensure the timeliness and quality of our annual data reports to the SEAI Public Sector Energy Performance Monitoring & Reporting System.
- Ensure timely provision of our report for the Annual Memorandum to Government on the implementation of this Strategy.
- Include these tasks as part of annual goal setting under PMDS

The nominated “Green Team” should include the key roles required to deliver on climate action, for example sustainability manager (if there is one), EPO, estates manager at minimum. Procurement and HR functions may also have a role. Climate action responsibilities should be built into job role descriptions.

Names and roles of individuals appointed to Green Team are set out below:

NLI Green Team Member	Role & Responsibility	Email
<p>Brian O’Donnell, Deputy Director &amp; Head of Estates</p>	<p>Climate and Sustainability Champion (C&amp;SC). Energy Performance Officer (EPO), oversee facilities, budget and procurement for Climate Action Plan. Member of Leadership Team reports directly to the Director.</p>	<p><a href="mailto:bodonnell@nli.ie">bodonnell@nli.ie</a></p>
<p>Karl Fagan Buildings &amp; Security Manager</p>	<p>Buildings Management. To devise building operations strategy, initiating energy saving operations, and upgrades, of existing plant and services</p>	<p><a href="mailto:kfagan@nli.ie">kfagan@nli.ie</a></p>
<p>Elaine McGurrell, Project &amp; Procurement Manager</p>	<p>Green Procurement and project management of new energy saving projects. Assistance can be provided by the NLI procurement manager, John McPhillips</p>	<p><a href="mailto:emcgurrell@nli.ie">emcgurrell@nli.ie</a></p>
<p>Peter Devlin, Health and Safety Manager</p>	<p>NLI Access Officer Member of EEDI Committee</p>	<p><a href="mailto:pdevlin@nli.ie">pdevlin@nli.ie</a></p>
<p>Ciaran Fortune, Facilities Manager</p>	<p>Facilities Manager. To seek energy saving operations, and upgrades, of existing plant and services. Coordination with OPW. Secretary to Green Team: Record minutes of meetings. Circulate updated information on Climate Action and Energy Saving, including the ‘Reduce your Use’ campaign to staff to encourage user engagement by staff. Monitor and respond to emails to NLI Green Team</p>	<p><a href="mailto:cfortune@nli.ie">cfortune@nli.ie</a> <a href="mailto:greenteam@nli.ie">greenteam@nli.ie</a></p>

Refer to *NLI Green Team Terms of Reference* for further detail on the Green Team.

### 3.2 Engaging and Training Staff

The Climate Action Roadmap 2025 for the NLI outlines the Green Team plans for engaging and training staff. The plan for the Green Team includes:

- The Facilities Manager (Secretary of the NLI Green Team) has completed a climate action and sustainability course - 'Green Teams National Programme' and is currently enrolled in a 2-year honours degree level education programme which covers topics such as sustainability and environmental issues.
- The Facilities Manager key objectives of this role include devising building operations strategy, initiating energy saving operations, and upgrades, of existing plant and services.
- The NLI Green Team arranged an 'all staff' annual workshop presentation on 4<sup>th</sup> September 2024 which was live streamed and recorded for any staff member that were unable to attend. The presentation focused on appropriate climate action and sustainability actions for the organisation. The training was delivered by an OPW Optimise Power@ Work consultant.
- The NLI Green Team, in working towards developing a NLI Sustainability Strategy and Policy, held a day long series of workshops and presentations on 5<sup>th</sup> February 2025, which engaged the Leadership Team, all-staff and key stakeholders, including representatives from other NCIs, the OPW and the DCCS.
- Following the recognition of NLI been awarded a 'European Cycle Friendly Employer' Bronze Award by the European Cyclist Federation, the NLI Green Team will promote the cycle to work scheme to the all-staff group, encouraging staff to reduce their carbon footprint in addition to adopting an active travel option. The Cycle Friendly initiative is as much about creating a positive mindset around cycling in addition to improving cycling friendly infrastructure. We will also seek an increase in bicycle shelters for staff as demand is exceeding current capacity.
- The NLI have built upon the 'European Cycle Friendly Employer' Bronze Award by recently applying for the National Transport Authorities 'Smarter Travel Mark Programme' which is a three-tier certification that recognises and celebrates organisations such as the NLI that support active and sustainable travel on and beyond their workforce resulting in a reduction in single-person car usage.
- Climate action leadership training sourced and procured for all senior management staff (PO and above) 'Climate Action Leadership Programme' from the Institute of Public Administration (IPA).
- Appropriate climate action leadership training was sourced for NLI Board Members from the Hughes Hall, University of Cambridge Climate Governance Initiative.
- The NLI Facilities manager is keeping a record of staff climate action training to date ensuring all staff of the organisation fulfil their training requirements on this topic.
- It was hoped to engage a consultant to assist in developing a NLI Sustainability Strategy and Policy in 2015, however, budget limitations meant this piece of work had to be postponed to another year.

The Green Team will continue to:

- Set out a plan, and advise HR department where necessary, to identify appropriate climate action training for staff, either for individual role appropriate or full all staff workshops, that will be incorporated into ongoing staff learning and development (training needs analysis and plan for delivery).
- Prepare information on any training needs analysis undertaken.
- Record information on relevant staff engagement and training already undertaken. Notify the HR unit so that training can be added to staff training records.

## 4.0 Our Way of Working

The NLI will report progress in reducing GHG emissions and sustainability activities in the annual report.

We will review any paper-based processes and evaluate the possibilities for digitisation, so it becomes the default approach.

### 4.1 Energy & environmental management systems and accreditation

The NLI Green Team will liaise with the OPW to investigate the most appropriate form of energy management system to put in place, appropriate to the NLI estate.

### 4.2 SEAI M&R System Reporting

The NLI will continue to report on energy usage through the SEAI Monitoring & Recording (M&R) system and seek support from the SEAI advisors and OPW's Optimise Power@Work consultants. The Facilities Manager makes use of the OPW's Optimise Power@Work Scheme to engage with NLI staff regularly, promoting green initiatives along with new sustainable ways of working.

### 4.3 Green Public Procurement

Green Public Procurement (GPP) is a process where public authorities seek to source goods, services or works with a reduced environmental impact. The EPA has published GPP guidance, and ten accompanying criteria sets that support the inclusion of sustainable and green practices into public sector procurement procedures.

The NLI will implement Green Public Procurement in accordance with the Green Public Procurement Implementation Mandate set out in *Buying Greener: Green Public Procurement Strategy and Action Plan 2024-2027*.

NLI Procurement Management will continue to utilise the EPA's GPP Guidance and Criteria, and the Office of Government Procurement's online GPP Criteria Search Tool.

NLI Procurement Management will actively comply with the forthcoming Circular from the Department of Public Expenditure, NDP Delivery and Reform regarding new GPP obligations.

#### 4.4 Construction

The NLI is committed in ensuring that all new construction, renovation and building projects will adhere environmental performance standards.

The NLI will liaise with the OPW to specify low-carbon construction methods and materials (especially low-carbon cement), as far as practicable.

Where feasible, NLI building projects will prioritise efficient and effective energy usage and source responsible material with the aim of the minimisation of embodied carbon.

Furthermore, the NLI will adhere to guidance from the Department of Enterprise, Trade and Employment for publicly procured or supported construction projects.

#### 4.5 Food Waste

The NLI Green Team will raise awareness on food waste segregation considering Ireland's commitment to reduce waste by 50% in 2030.

#### 4.6 ICT Equipment

The NLI Green Team will liaise with the NLI IT department, to ensure that a minimum of 80% of ICT end user products (desktop computers, portable computers and mobile phones) procured by public sector bodies under new contract arrangements are certified to EPEAT Gold Standard (or equivalent), TCO Certified (or equivalent) or will have been remanufactured

#### 4.7 Paper

The NLI Green Team will continue to engage in 2025 with the NLI staff cohort to review of paper-based processes to understand potential for digitisation. NLI to review the figures for printing costs and copy paper orders to demonstrate the progress to date in converting to digitised processes. Staff engagement will promote the use of digital services over paper-based formats. The NLI will phase out the use of non-recycled paper. Recycled paper has been procured and will used where the need for printing is unavoidable.

## 4.8 Water

The NLI has reduced from eighteen 19L plastic water bottle fonts to two plastic bottled units by providing chilled plumbed water units to tea stations around the Estate. The NLI is monitoring and recording metered water consumption within the organisation.

## 4.9 Other Materials

The NLI Estates team receive an annual waste generation report for the organisations segregated waste such as cardboard and paper from their designated companies. These reports enable the team to monitor waste generated and help ensure responsible disposal practice.

## 5.0 Our Buildings and Vehicles

The NLI will continue to create bicycle friendly facilities for employees and visitors, by maintaining bicycle parking which is secure, accessible, and simple for cyclists to recognise and use, within the limitations of its estate. Covered bicycle stands are currently available for visitors and staff at the Kildare Street campus. The NLI has been certified as European Cycle Friendly Employer by the [European Cyclist Federation](#) (EU funded body) at a 'Bronze Achievement' category. We will seek ways to improve further on this award by improving facilities for cycling and promoting active travel options and 'bike to work' incentive programme.

The NLI Green Team will seek, from the OPW, an up-to-date Display Energy Certificate (DEC) for all NLI Buildings that are open to the public to clearly show our energy use. A B3 Display Energy Certificate (DEC) has been received for 2-5 Kildare Street, The Racquet Hall Building and Ryan's Garage. A D1 Display Energy Certificate (DEC) has been received for the main library building (incl 1827 Wing), which is part of a building complex that includes the main government precinct due to the centralised energy plant. DEC's for NPA and Parkwest are not required as each being below 200m<sup>2</sup> public area.

The NLI will engage with the OPW to ensure that it will not install heating systems that use fossil fuels after 2023, unless at least one of the following exceptions apply:

- the fossil-fuel use is only through the use of electricity from the grid.
- there is no technically viable non-fossil alternative (generally only related to applications for a purpose other than space heating).
- the installation of a renewable space heating system would increase final CO<sub>2</sub> emissions.

- the fossil-fuel use is provided for backup, peaking, or operational purposes (and makes up less than 10% of annual heating energy)
- where the direct replacement of existing fossil fuel heating is required for an emergency maintenance purpose

The NLI will seek advice from OPW in relation to these requirements if or when replacing heating systems work is planned.

In addition, the NLI will purchase, if required, only zero-emissions vehicles where available and operationally feasible from end of 2022, enabling Ireland to go beyond the requirements of the Clean Vehicle Directive and act as an international leader in this area. It is noted that the NLI has no vehicles, and no vehicles are planned to be purchased in 2025.

## Appendix A: Box 10.2 – Public Sector Climate Action Mandate Checklist

Box 10.2 – Public Sector Climate Action Mandate		
1	1. Our Targets	Our Comment
1.1	Reduce GHG emissions by 51% in 2030.	GHG have reduced by <b>43.1%</b> by end 2024. A strategy has been developed to reduce GHG further which has been modelled with the SEAI Gap to Target Tool.
1.2	Increase the improvement in energy efficiency in the public sector 50%reduction by 2030.	Energy use has been reduced by <b>50.6%</b> by end 2024 exceeding 2030 target
1.3	Update Climate Action Roadmaps annually in line with updated Public Sector Climate Action Mandate.	CAP 2025 is scheduled to submitted to NLI Board for approval on 28/08/2025
2	Our People	
2.1	Establish and resource Green Teams, reporting to senior management, to become integrated drivers of sustainability in every public sector body.	NLI Green Team is established
2.2	Nominate a member of the Management Board as the Climate and Sustainability Champion with responsibility for implementing and reporting on the mandate.	Deputy Director/Head of Estates appointed Climate and Sustainability Champion
2.3	Incorporate appropriate climate action and sustainability training (technical and behavioural, including green procurement training) into learning and development strategies for staff	Climate Action training provided for new Facilities Manager and Secretary to Green Team.
2.4	Organise staff workshops (at least annually) to engage on climate issues, including a focus on decreasing the organisation’s carbon footprint.	All Staff Climate Action presentation occurred September 2024 and February 2025
2.5	Ensure all senior management (P.O level or equivalent and above) complete a climate action leadership training course in 2024, similar to the Local Authority CAROs21 training course.	‘Climate Action Leadership Programme’ from the Institute of Public Administration (IPA)
2.6	Ensure all Board Members complete a climate action leadership training course.	Board Members completed training course from Hughes Hall, University of Cambridge.
3	Our Way of Working	

3.1	Report on the following in the Annual Report: - GHG emissions; - Implementation of the mandate; - Sustainability activities report; - Compliance with Circular 1/2020: Procedures for offsetting the emissions associated with official air travel.	These results were included in 2023 Annual Report and will be included in the forthcoming 2024 Report
	Using SEAI's Public Sector Monitoring and Reporting System, public bodies are to report annually on implementation of the individual mandate requirements using a 'comply or explain' approach.	NLI Use SEAI M&R reporting System
3.2	Review any paper-based processes and evaluate the possibilities for digitisation so it becomes the default approach. Eliminate paper-based processes as far as is practicable. Where paper must be procured, ensure that recycled paper is the default.	Procurement process has changed to procure recycled paper as the default supply
3.3	Achieve formal environmental accreditation for large public sector bodies, such as ISO 50001 (Energy Management Standard) or ISO 14001 (Environmental Management System), with a view to going beyond ISO 14001 to adopting EMAS (Eco Management and Audit Scheme). Specifically:	N/A
	All public sector bodies with an energy spend greater than €2m per annum to achieve ISO 50001 certification by end-2024	NLI is below Threshold
	All remaining public bodies to implement energy management programmes as per SEAI's energy management guidance (S.I. 426 of 2014) and report to SEAI annually on M&R.	NLI Report to SEAI M&R annually
3.4	Implement Green Public Procurement (GPP), in line with the EPA Green Public Procurement Guidance and using GPP Criteria Search where appropriate. All public bodies shall: - Cease using disposable cups, plates and cutlery from any public sector canteen or closed facility, excluding clinical (i.e., non-canteen healthcare) environments. - Specify low carbon construction methods and low carbon cement material as far as practicable for directly procured or supported construction projects from 2023.	- Sixteen bottled water units have been replaced by four filtered plumbed water units at most locations. - New supplies have been changed to paper cups - Design teams have been advised of this requirement in construction projects
<b>4</b>	<b>Our Buildings and Vehicles</b>	

4.1	4.1 Promote the use of bicycles (including push bikes, electric bikes, and cargo bikes) and shared mobility options as an alternative to car use among employees and visitors by creating and maintaining facilities (both inside and outside of buildings) that support such options, including secure and accessible bicycle parking, shared mobility parking, and charging stations, as appropriate, with a view to achieving the Smarter Travel Mark, which is currently being developed as part of the Sustainable Mobility Pathfinder Programme.	Additional Bike shelters sought. Cycle Friendly Employer 'Bronze' award. Smart Travel Mark applied for. NLI is awaiting award for this application.
4.2	Phase out the use of parking in buildings that have access to a range of public transport services and active/shared mobility options for the majority of staff/visitors while providing that sufficient accessible parking is maintained for those with physical mobility issues.	Parking strategy, including a reduction in capacity, is incorporated in a proposed new Campus strategy.
4.3	Display an up-to-date Display Energy Certificate in every public building that is open to the public to clearly show energy use.	DEC certificate for 2-5 Kildare St & Racquet Hall - B3 & is on display. A D1 Display Energy Certificate (DEC) has been received for the main library building (incl 1827 Wing) DEC is part of main Government Complex.
4.4	The public sector will not install heating systems that use fossil fuels after 2023, in (1) new buildings, and (2) "major renovation" retrofit projects (as defined in the Energy Performance of Buildings Directive (EPBD)) unless at least one of the following exceptions applies: <ul style="list-style-type: none"> <li>- The fossil-fuel use is only using electricity from the grid;</li> <li>- The fossil-fuel use is only using electricity from the grid;</li> <li>- There is no technically viable non-fossil alternative (generally only related to applications for a purpose other than space heating);</li> <li>- The installation of a renewable space heating system would increase final CO2 emissions;</li> <li>- The fossil-fuel use is provided for backup, peaking, or operational purposes (and makes up less than 10% of annual heating energy);</li> <li>- Where the direct replacement of existing fossil fuel heating is required for an emergency maintenance purpose.</li> </ul>	Noted
4.5	In relation to existing buildings: <ul style="list-style-type: none"> <li>- Large public sector bodies and sectoral groups with a large estate should commence a deep retrofit of at least one building in 2023 in pursuit of the 2030 51% target;</li> <li>- All public sector bodies should develop a building stock plan, as defined in the EPBD, by end-2023 for retrofitting their building stock to meet CAP targets;</li> </ul>	N/A <ul style="list-style-type: none"> <li>- Stock Plan in Progress. A Masterplan strategy is being developed, economist appointed to</li> </ul>

	- As part of the building stock plan, public sector bodies should undertake data gathering and consider the long-term (to 2050) retrofit key performance indicators to upgrade all their building stock to Nearly Zero Energy Buildings (NZEB) or Zero Energy Buildings (ZEB) as outlined in the recast EPBD and Energy Efficiency Directive;	prepare a report. Gap to Target Tool used to model energy impact.
	In 2023, SEAI will work with sectoral groups with a large estate to develop a renovation target.	N/A
4.6	Procure (purchase or lease) only zero-emission vehicles from the end of 2022, enabling Ireland to go beyond the requirements of the EU Directive, amending Directive 2009/33/ EC on the promotion of clean and energy-efficient road transport vehicles (EU Directive 2019/1161, the Clean Vehicle Directive) and act as an international leader in this area.	N/A. The NLI has no road transport vehicles.

## Appendix B: Energy & GHG targets - key indicators

National Library of Ireland | PSO-00349  
 Last year for which data reported: 2024  
 Data status: Provisional

This report shows key performance indicators for your organisation's progress towards the energy and greenhouse gas (GHG) emissions targets. It also shows how your emissions and energy efficiency have changed over time. Note that this report will be published by SEAI once your data for 2024 is finalised.

**Fossil CO<sub>2</sub> emissions**

In 2024, fossil CO<sub>2</sub> was 30.4% below the baseline of 285,135 kgCO<sub>2</sub>.

**2024: 198,565 kgCO<sub>2</sub>**  
**2030 target: 139,716 kgCO<sub>2</sub>**

To achieve this target, fossil CO<sub>2</sub> must reduce by another 29.6% from 2024 level within 6 years. No planned energy-saving projects have been reported that will reduce fossil CO<sub>2</sub> in 2030\*.

**Total CO<sub>2</sub> emissions**

In 2024, total CO<sub>2</sub> was 43.9% below the baseline of 747,005 kgCO<sub>2</sub>.

**2024: 418,918 kgCO<sub>2</sub>**  
**2030 target: 238,271 kgCO<sub>2</sub>**

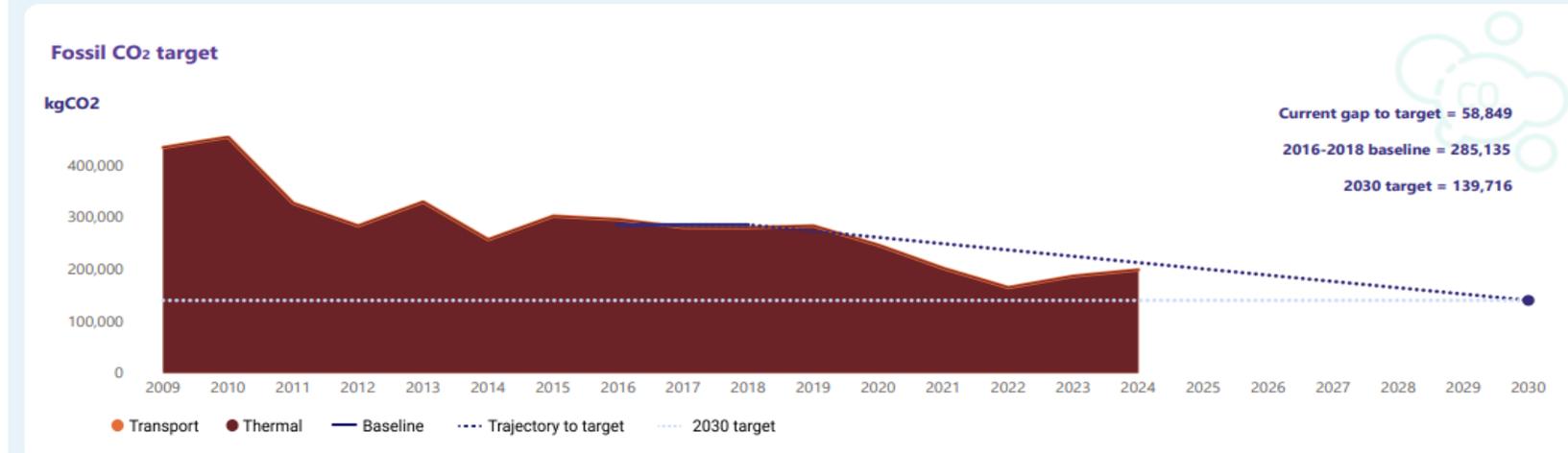
To achieve this target, total CO<sub>2</sub> must reduce by another 43.1% from 2024 level within 6 years. No planned energy-saving projects have been reported that will reduce total CO<sub>2</sub> in 2030\*.

**Energy efficiency**

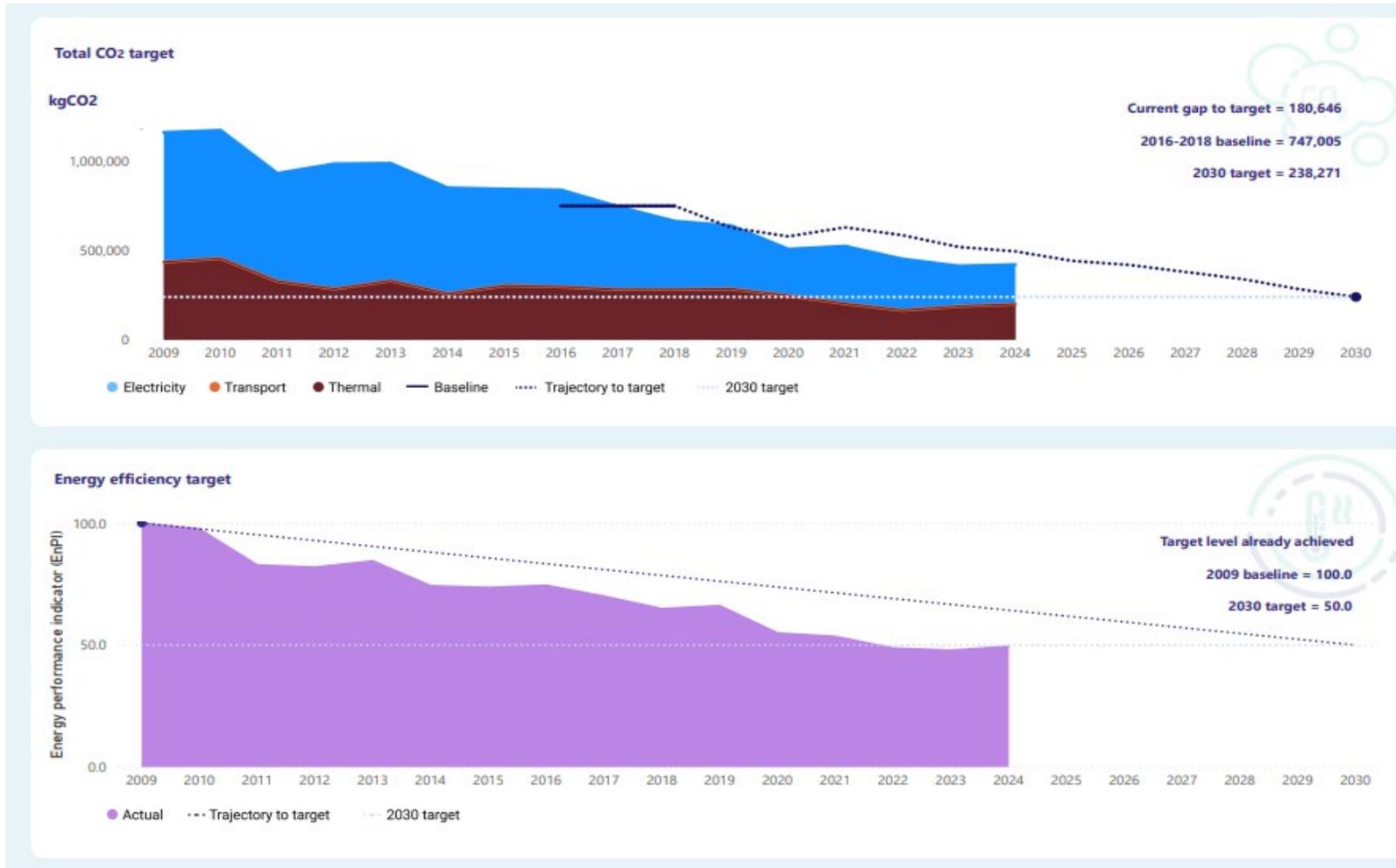
By 2024, energy performance had improved by 50.6% since the baseline.



If energy performance is maintained at this level for another 6 years, the efficiency target will be achieved. No planned energy-saving projects that will improve performance in 2030 have been reported\*.



Graph 3: SEAI Monitoring & Reporting Report for 2024 (1 of 3)



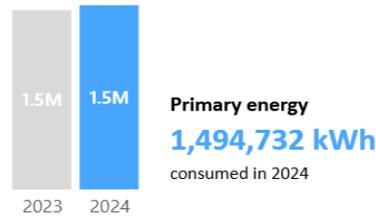
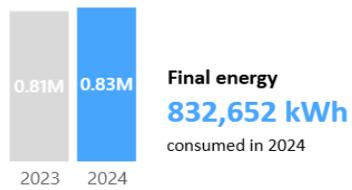
Graph 4: SEAI Monitoring & Reporting Report for 2024 (2 of 3)

### Transport fuels

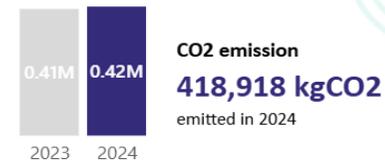
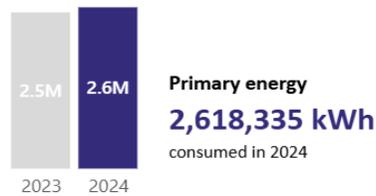
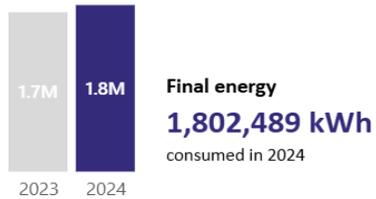


No data reported for transport fuels.

### Electricity



### Total energy



Graph 5: SEAI Monitoring & Reporting Report for 2024 (3 of 3)

# Appendix C: Change Control Table

The following table details changes made to this document:

Version No. impacted by revision	Section	Reason - Description