

Climate Action Roadmap 2025

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1. Introduction

1.1 Introduction

The Climate Action Plan 2021 (CAP21) commits public sector bodies to complete Climate Action Roadmaps on an annual basis.

The Climate Action Roadmap is a document created by public sector bodies to outline how each organisation intends to meet the requirements of the Climate Action Mandate 2022 (the Mandate) and achieve its carbon and energy efficiency targets for 2030. This requirement applies to all public bodies that report under the existing monitoring and reporting (M&R) system, which was established to comply with the Mandate. However, Local Authorities, Commercial Semi-State bodies, and Schools are excluded, as they have their own specific requirements.

The first climate action roadmap for Crawford Art Gallery was completed in December 2023, and this document serves as an update on that roadmap following the publication of the Climate Action Plan 2024 (CAP24) by the Government in December 2023. In the initial Roadmap, the primary focus for public bodies was on their strategies for reducing total energy-related emissions and fossil fuel-related emissions from their operations in accordance with the targets outlined in the Climate Action Plan 2021 (CAP21). Subsequent Roadmaps have been completed annually by the Crawford Art Gallery.

This updated climate action roadmap also focuses on reducing CO₂ emissions. It includes additional considerations regarding single-use items, construction, water, paper, food waste, building stock planning, and the installation of charging infrastructure. The Public Sector Climate Action Roadmap will be reviewed annually, and any changes to requirements will be reflected in the CAP revision. Climate Action Roadmaps will then be required to be updated following any revisions to the latest Mandate.

1.2 Regulatory Compliance

As part of our Climate Action Roadmap, we recognise our legal requirements as follows:

- Climate Action and Low Carbon Development (Amendment) Act 2021 requires all public bodies to perform their functions in a manner consistent with Ireland's climate ambition.
- SI393/2021 Energy Performance of buildings, which requires installation of Building Automation and Control by 2025, for buildings with HVAC rated output over 290kW; requires installation of electric vehicle charging points in carparks for new or refurbished buildings with more than 10 car parking spaces.
- SI381/2021 Clean Vehicles Directive, which sets targets for the procurement of clean, light and heavy-duty vehicles, with the first target falling in 2025 and the second in 2030. The definition of clean vehicles is expected to change to zero-emission vehicles in 2025.
- SI4/2017 Energy Performance of Buildings, which requires all new public sector buildings built since 2018 to have "nearly zero emissions".

- SI646/2016, which requires public bodies to procure only energy-using products and vehicles that are on the Triple E register.
- SI426/2014, which requires the public sector to demonstrate exemplary energy management and requires public bodies to undertake energy audits every four years.

1.3 Progress to date

Crawford Art Gallery (the Gallery) is a National Cultural Institution located in a significant heritage building in the heart of Cork City, dedicated to the visual arts, both historic and contemporary. It is distinguished in part by being the only National Cultural Institution (NCI) entirely located outside of Dublin. The Gallery actively contributes to Cork City and the wider region's ambitious plans for growth and internationalisation. The Gallery has a distinct and compelling story; physically, it comprises three interconnected buildings of distinct historic origin, derivation, and style, reflecting the extraordinary evolution of the structures into the cultural institution they house today. The Gallery attracts over 265,000 visitors per annum, is open seven days a week, and entry is free of charge to the public.

The Gallery has commenced a major redevelopment programme for the building at Emmet Place, Cork. This project will involve the conservation and refurbishment of the existing public and gallery spaces, as well as enhancements to include new exhibition and storage facilities, new learning and exploration areas, and an overall improved visitor experience, including a significantly reoriented entrance onto Emmet Place.

VISION

"To create an even more accessible public art Gallery that connects people, artworks and arts practice while engaging with diverse audiences in forward-thinking, inclusive, and imaginative ways".

Open and Inclusive | Welcoming | Supportive and Collaborative | Insightful and Responsive

MISSION

Crawford Art Gallery through its Programming, Collection, and Building, probes the future, contemplates the present and reveals the past, creating engaging conversations across the timelines, by:

- conserving and expanding the collection of art works;
- interpreting the collection to enhance the visitor experience;
- providing a dynamic programme of immersive exhibitions, events, conversations and learning opportunities based on the interests of our diverse audiences and communities;
- developing and promoting the understanding and practice of visual art;
- enriching the cultural, social and civic life of Cork, the wider city, region and Ireland."

The Gallery produced its first Climate Action Map in 2023, which was presented to the Board and submitted to the Department of Tourism, Arts, Culture, Gaeltacht, Sport and Media, as well as to SEAI, in December 2023. In June 2024, the Board approved the Climate Action Plan 2024. This Climate Action Roadmap 2024 revises the 2023 roadmap for the Gallery, following updates and enhanced reporting requirements.

In 2024, the Green Team met four times to discuss outputs, track progress, and agree on projects. They reviewed baseline energy metrics established for the gallery building as part of the M&R and established targeted reductions for 2030.

A staff-wide training and workshop session was held to raise awareness of sustainability, focusing on reducing carbon emissions. Measures have been implemented to enhance sustainability in various areas, including increased digitisation of paper processes, improved recycling of paper and materials, and raising awareness through regular communications and updates to staff on the progress made. Additionally, it is essential to prioritise sustainability, waste reduction, and energy efficiency in decision-making within the Gallery.

2. Our People

2.1 Leadership and Governance

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 Gallery established and resourced a Green Team to become an integrated driver of sustainability in the organisation. This team reports to the Senior Management Team and ultimately the Board. The Terms of Reference for a Green Team committee were approved by the Senior Management Team and Board in December 2023 together with the appointment of personnel within the existing organisation structure of the Gallery to commence the work of the Green Team. This team met 4 times in 2024.

2.2 Climate and Sustainability Champion and EPO

The Green team is required to have a Climate and Sustainability Champion who reports on all sustainability issues. The Climate and Sustainability Champion is responsible for implementing and reporting on the Mandate. Norma Cuddihy, a member of the Gallery's senior management team, has been appointed to this role.

The appointment of a member of the senior management team as an Energy Performance Officer (EPO) is a requirement of the Public Sector Energy Strategy 2017. EPOs are required to have decision-making powers regarding 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. The Gallery has nominated Norma Cuddihy, a member of the Senior Management Team, for the role of Energy Performance Officer (EPO).

The EPO has decision-making powers concerning facilities management, corporate budgets, and procurement, along with responsibilities for corporate and financial reporting, enabling them to:

- 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 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 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.

2.3 Governance Structure Green Team

An Organisation chart showing the current structure and members of the green team is as outlined below:



Crawford Art Gallery – Green Team Membership

Crawford Art Gallery Green Team Member	Role & Responsibility	Email
Norma Cuddihy Head of Operations (Senior Management Team)	Climate and Sustainability Champion (C&SC) Leadership, Reporting, Implementation of the Mandate	normacuddihy@crawfordartgallery.ie
Norma Cuddihy Head of Operations (Senior Management Team)	Energy Performance Officer (EPO) Oversee facilities, budget and procurement for Climate Action Plan. To seek energy savings, operations and upgrades of existing plant and facilities. Monitor and respond to emails to the Green Team at greenteam@crawfordartgallery.ie	normacuddihy@crawfordartgallery.ie
Dyane Hanrahan Marketing Manager	Communications & Awareness Campaign Engagement of staff through communications, newsletters, website social media and so on. Objective is to raise and maintain awareness of climate related action plans for the Gallery and keep climate related actions at the forefront, and to encourage collaboration and engagement from staff on climate related matters.	dyanehanrahan@crawfordartgallery.ie
Kathryn Coughlan Production Manager	Reduce Your Use and Programme Sustainability Exhibitions and Events. Exploration and implementation of sustainable programming, materials usage, recycling and packaging materials for artistic programming.	productionmanager@crawfordartgallery.ie

Refer to Crawford Art Gallery Green Team Terms of Reference 2022 for further detail on the Green Team.

3. Our People - Engaging and Training

3.1 Staff Training Plans

3.1.1 Training and Development plans

An HR Manager was appointed in November 2024 and has responsibility for staff training. In 2025 Training and Development plans will incorporate climate action and sustainability training for staff as part of the overall training plan for each relevant staff member.

Cost and time resources will be put in place to enable this overall training. In February 2025, the entire staff cohort attended Carbon Literacy Training, and attendees were awarded a Carbon Literacy Certificate following the successful assessment of each individual's submission. Training and workshops on education and literacy regarding climate change were provided to all staff in 2024 as part of Cork Chamber of Commerce/ Skillnet and IBEC.

3.1.2 Green Team Training

Green team members attended the *Climate and Cultural Action Conference* in February 2024, which focused on Sustainability and Environmental Policy. The Green Team attended Carbon Literacy Training for Green Teams facilitated by IMA (Irish Museums Association) in October and November 2024 and were awarded Carbon Literacy Certification.

Green Team members also attended National Green Team training sessions with SEAI that focussed on the areas of responsibility for each green team member and will include such areas as Energy and Climate Change, Behavioural Change, Business Energy Efficiency, Office Energy Efficiency, Decarbonisation for business, Energy management and Energy audits.

Green Team members also attended "Building Resilience: Business Adaptation to Climate Change" workshop facilitated by Cork Chamber of Commerce.

As part of organisational wide engagement the Green Team members also attended the Carbon Literacy Training by Lorraine Finch in February 2025 see next section.

3.2 Climate Action and Sustainability Workshops

In February 2025, a staff engagement and training workshop on Carbon Literacy was held by zoom with primary focus on raising awareness of sustainability issues and reducing carbon emissions. This workshop also focussed on individual behaviours and explored contributions towards the sustainability efforts of the Gallery. The workshop introduced practical ways for individual to adapt their behaviours and the potential impact of this. 12 Carbon Literacy Certificates were awarded to those who undertook

further Participation Action outlining actions that they could undertake to reduce their carbon footprint.

The focus in 2025 will continue to be on reducing carbon emissions, improving energy efficiency, influencing behaviour and reducing waste. Further individual training will be incorporated into the Staff Development and Training programme and resourced appropriately. This will be communicated by the HR Manager.

3.3 Senior Leadership Training

Staff above PO grade took part in the IPA training Sustainability Training for Public sector Bodies and members of the Board also took part in these workshops with a full roll out for all board members to complete this training planned for 2025.

4. Our Targets

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

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 from the 33% target in 2020 to 50% by 2030.
- Update the Climate Action Roadmap within 6 months of the publication of the Climate Action Plan. The 2024 Mandate has been submitted to SEAI within the required timeline and is presented to the board outlining compliance at the June 2025 board meeting.

EnPI baseline of 100.00

The Energy Efficiency Baseline, as recorded by the SEAI Monitoring & Recording (M&R) system identifies an EnPI baseline of 100.0 when the target reductions were initially set in 2009.

CO2 baseline of 184,914 KgCO2 per annum

CO2 emissions baseline as per the SEAI Monitoring & Recording (M&R) system identifies a baseline 184,914 KgCO2 when baselines were set in 2016-2018. This baseline includes 93,610 KgCO2 from Thermal and 91,304 KgCO2 from Electricity as baseline.

The latest figures available from the SEAI monitoring and reporting website for 2024 show a reported Energy rating of 7.2 EnPI and CO2 emissions of 188,140 KgCO2.

4.2 The gap to target

To achieve the targets in energy efficiency and CO2 emissions by 2030, the Gallery will need to :

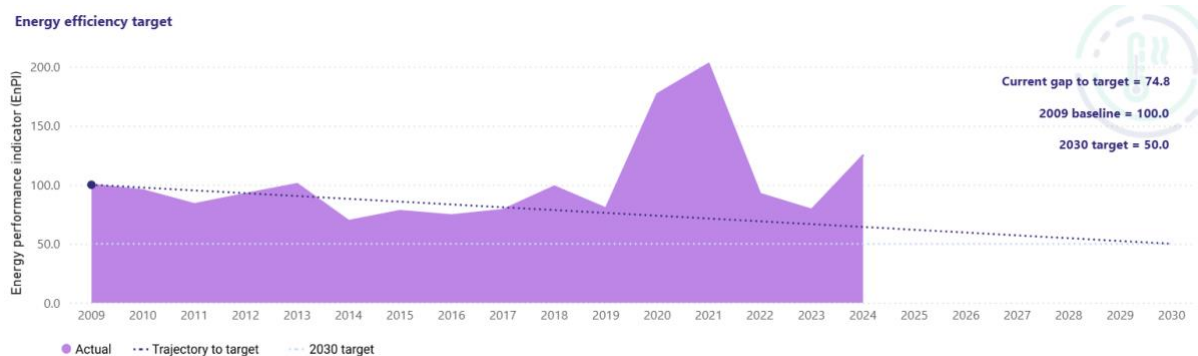
- Improve energy efficiency from EnPI 124.8 to EnPI 50.0

- Reduce CO₂ emissions from a baseline of 184,914 KgCO₂ to 66,021 KgCO₂ in this timeframe over both Thermal and Electricity. The CO₂ emission reported for 2024 as per the SEAI Reporting and Monitoring website is 188,140 KgCO₂ which is a slight increase compared to the baseline.

The gap to target is therefore a reduction of 122,119 KgCO₂ and 74.8 EnPI on baseline before 2030.

Improving Energy Efficiency

The EnPI is currently measured as total kWh per the number of annual visitors. The Integrated Design team has forecast that the total kWh after the redevelopment of the building will be reduced to 652,144 kWh, which, based on 2024 visitor numbers (Gallery closed September 2024 to facilitate MDP), would result in an EnPI reduction to 16.5. The Gallery will have increased capacity and additional exhibition spaces post-redevelopment, and as such, is expected to attract additional throughput in terms of visitor numbers. The graph below illustrates the current EnPI and trajectory to 2030.

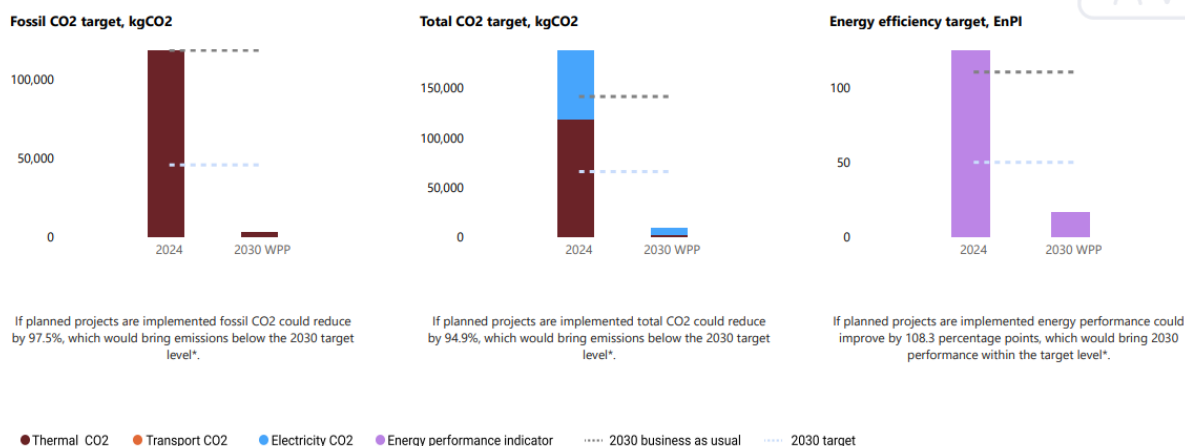


CO₂ Emissions

The anticipated reduction in greenhouse gases from supply side decarbonisation are projected as 56,242 KgCO₂ by the SEAI. This is due to projected decarbonisation of the electricity grid during this timeline. That leaves a net target in reduction of greenhouse gases by 62,969 KgCO₂ that will require initiatives to be taken by the Gallery to achieve this goal. The graph below illustrates the EnPI and targeted CO₂ emissions by 2030 taking the redevelopment into account.

Projected impact of planned energy-saving projects reported via SEAI's monitoring & reporting (M&R) system

*Note that the projected future impacts of planned projects are calculated from the data reported to SEAI by the organisation. The projections assume that the organisation will not grow its energy footprint between now and 2030, e.g. through expansion, new capacity etc.



Crawford Art Gallery Building at Emmet Place is due to undergo extensive refurbishments and redevelopment with an expected start date in Q4 2025. This will entail the refurbishment of the existing building and the addition of a new build area within the current gallery footprint. This construction phase will be overseen by the Office of Public Works (OPW), the owner of the building. Following detailed design and per guidelines issued by the Integrated Design Team, the building will be expected to achieve a high Building Energy rating (B or higher) for the existing refurbished building and Building Energy Rating A for the new build areas.

The existing building area consists of 4,315 meters² and this is expected to rise to a total of 6,767 meters² once the redevelopment is completed. The Integrated Design partners on the Redevelopment Programme are guiding an overall combined emissions level of 86,300 Kg CO2 emissions for the redeveloped building and 23,836 Kg CO2 for the new elements of the building. This projected emission level of 86,300 KgCO2 for the existing building represents a reduction of 98,614 KgCO2 or 53% anticipated reduction in carbon emissions.

The redevelopment of the building will incorporate new and Energy efficient lighting and heat pump technology and improved insulation of the building. As the Crawford Art Gallery building at Emmet Place is a historic building, all improvements to the existing structure for energy improvements will be sensitively incorporated to conserve the historical and cultural appearance of the building.

5. Our Way of Working

Crawford Art Gallery will report progress in reducing GHG emissions and sustainability activities with an emphasis on the following:

5.1 Annual Report

The Annual Report for 2024 and subsequent years will have information on GHG emissions, implementation for the climate action mandate, sustainability activities and information on compliance with circular 1/2020 - procedures for offsetting emissions on air travel.

5.2 Energy and Environmental management systems

SI426 of 2014 requires public bodies to report annually to SEAI on the M & R system and demonstrate exemplary practices in energy management. In this regard, Crawford Art Gallery reports yearly to SEAI via the M & R system website. Data from gas and electricity meters are automatically uploaded, and travel information is entered annually by the specified deadline. The M & R system is also utilised in the preparation of the Climate Roadmap and any updates to it.

The M&R system is also utilised to monitor energy consumption, identify areas of high energy use, and track energy efficiency and overall energy usage for the organisation. Crawford Art Gallery will continue to report on energy usage through the SEAI Monitoring & Recording (M&R) system.

Additionally, the Crawford Art Gallery has recently registered as a decarbonisation partner with the SEAI. The SEAI has assigned an Energy Performance Relationship Officer, Brian Scannell in an advisory capacity to assist in identifying gaps, targeting resources, and providing support needed to bridge those gaps.

Steps taken in 2024 to improve energy efficiency within the building:

- The AHU and boiler-house set point is at 18 degrees, with a fluctuation allowance set between 16 and 19 degrees to keep CAG within guidelines.
- When not constrained by artwork loan conditions, AHU will be turned off. This system has since been shut down following completion of the decant of the Collection in April 2025
- Heating reduced to the hours of 8am to 3pm and turned off April to October.
- Zoning based on staff office usage is not possible because the heating zones depend on the date of construction for each part of the building.
- Other power conservation methods are communicated to staff, and regular messaging is used regarding the efficient use of lighting, printers, plugs, etc.
- Implementation of an energy audit periodically once the building is reoccupied after the Redevelopment Phase. The last energy audit was carried out in 2023.

5.3 Digitisation

The Climate Action Mandate requires public bodies to review any paper-based processes and evaluate the possibilities for digitisation, ensuring that it becomes the default approach. The Crawford Art Gallery Green Team continued the initiative (from 2023 into 2024 and 2025) with the gallery staff cohort to review paper-based processes and explore the potential for digitisation and further expansion of the central server and board portal. This initiative will continue as the Gallery closes for redevelopment. In 2024, the Gallery

significantly reduced its paper processes, achieving a further 24% decrease in paper output since 2023, resulting in an overall decrease in paper usage of 68% since 2019.

Other initiatives within the Gallery include:

- Staff are encouraged to think before printing, and if printing is necessary, to print on both sides of the paper.
- From 2023 only recycled paper is used for printing – this is monitored and purchased at central administration level. 40 reams were the total order for 2024 with a target of a further reduction in 2025 and a phasing out completely for 2026.
- Digitisation of the finance function - most finance-related operations and communications are now digitised, with processes such as accounts payable, payroll, and bank transactions having been transitioned from paper-based processes and storage to digital platforms.
- Some HR systems have also been digitised, with a full digital HR system scheduled for Q3 2025.
- Documents are stored on secure servers managed by the IT service provider.
- Staff attending meetings now use only their laptops and screens instead of bringing printed materials.
- Board-related communications are digitised, with all board papers now stored in a secure cloud-based platform.
- Digital signatures where possible.
- Focus on sustainability when packing artworks for storage, review of procedures to ensure reduce, reuse and recycle.
- Review of travel and reduction where possible if zooms can replace.

5.4 Green Procurement

Implement green procurement using EPA public procurement guidance.

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 ten criteria set published are Road Transport Vehicles & Services; ICT Products & Services; Food & Catering Services; Indoor Cleaning Services; Office Buildings Design, Construction & Management; Indoor & Outdoor Lighting; Heating Equipment; Energy related Products and Paper Products & Printing Services.

The Gallery has implemented green and sustainable procurement measures and criteria into two major public tenders for the transport and storage of artworks that were advertised in 2023. The assessment of tender responses based on green and sustainability criteria had an overall weighting of 5% in the award evaluation.

Sustainability criteria will also be introduced into smaller non-public tenders on a phased

basis. Tenderers will be required to respond to sustainability and green initiatives implemented within their own organisations, which will be weighted accordingly and contribute to the overall evaluation of the responses. Additionally, the Gallery is re-evaluating the in-house procurement policy to incorporate these changes in procurement practices within the overall guidelines set out by the OGP.

The Green Team will continue to explore opportunities to incorporate green criteria in procurement to support climate action goals, including:

- Enhanced energy efficiency standards.
- Green criteria for selection and award criteria when procuring all goods and services (reference Circular 20/2019), using the published GPP guidance and criteria sets, and for the decant of the collection, archive, and fixed assets to facilitate the Master Development Plan.
- The Gallery's Procurement Policy will be reviewed in 2025 to include Green Procurement

5.5 Construction

The Office of Public Works will oversee the Gallery's redevelopment and manage construction-related issues regarding the use of low-carbon cement, incorporating best practice guidance on resource management for demolition and waste management.

5.5.1 Low carbon Construction methods and Low carbon cement

For the following elements 1. New Building Substructure, 2. Hill Wing Substructure, 3. Substructure Water-resisting concrete, 4. New Building Superstructure, 5. Hill Wing

Superstructure; GGBS is specified as a Type II addition complying with Clause NA 2.7 of NA:2015 to I.S. EN 206:2013; 30% minimum, 49% maximum.

For the Existing Building ground-bearing slabs GGBS is specified as a Type II addition complying with Clause NA 2.7 of NA:2015 to I.S. EN 206:2013; 21% minimum, 35% maximum.

All timber and timber-based products used on the demolition, clearance and construction works of the project (including site hoarding and formwork, for example) must be legally harvested and traded timber, e.g. certified by the CPET, FSC, PEFC or SFI.

Existing slate, brick, stone and timber shall be salvaged for reuse.

5.5.2 Resource and Waste management Plans for Construction and Demolition projects

All waste is to be segregated and managed in accordance with the principles of the waste hierarchy i.e., prevention, re-use, recycling, energy recovery and disposal.

A Waste Disposal Plan following guidelines as set out by the National Construction and Demolition Waste Council (NCDWC) shall be produced by the Contractor outlining its proposals with respect to waste recycling, segregation and details of landfill proposals with

target percentage of each element. The Contractor is to highlight/seek approval for any mobile recycling plant and/or stockpiling proposals.

The following legislation should be noted:

- Environmental Protection Agency Acts 1992 and 2003.
- The Waste Management Acts 1996 to 2005 and the associated regulations set out the principles for collection, movement, treatment and disposal of waste.
- Council Directive 1999/31/EC of 26 April 1999 on the landfill of waste.
- Council Directive 2008/98/EC on waste (Waste Framework Directive).
- EU Council Decision on Waste Acceptance (2003/33/EC).
- Best Practice Guidelines on the preparation of Waste Management Plans for Construction and Demolition Waste.
- Department of Environment, Heritage and Local Government July 2006. Waste removal from site must be in accordance with the Waste Management (Collection Permit)

Regulations, SI No. 820 of 2007 and amending regulations, the Waste Management (Collection Permit) (Amendment) Regulations, SI No. 87 of 2008.

Resource Efficiency and diversion from landfill Requirements

The Contractor must develop and implement a compliant Resource Management Plan (RMP) covering the waste arising from the project with the aim of minimising waste, recording and reporting accurate data on waste arising.

The Contractor is required to deliver a copy of the compliant Resource Management Plan and records of tonnage of waste diverted from landfill quarterly, and at completion.

Operational Waste

The building design includes a dedicated area for the segregation and storage of operational recyclable waste generated by the assessed building, its occupants, and activities. This area shall be:

- a. Clearly labelled to assist with segregation, storage and collection of the recyclable waste streams
- b. Accessible to building occupants or facilities operators for the deposit of materials and collections by waste management contractors
- c. Of a capacity appropriate to the building type and predicted volumes of waste that will arise from daily or weekly operational activities and occupancy rates. The space size is sufficient to allow for all waste volumes estimated within the Operational Waste Management Plan.

5.6 Resource Use

The Gallery closed to the public in September 2024, and staff now take home any food waste. When the Gallery reopens in 2028 as part of the Waste Management Plan, food waste bins will be introduced in various parts of the building. These bins will be periodically

weighed and measured by the contract waste collector with the objective of reducing food waste going forward.

The café operator upon the reopening of the Gallery will also be required to measure and monitor food waste, which will be part of the requirements in the tender documents.

5.6.2 Water

Staff have been provided with refillable water bottles, and there are water refill points within the building for staff to utilise. Until the closure of the Gallery in September 2024, to protect the artworks on display, the public were not permitted to bring liquids into the building. For this reason, water refill points were not placed in public areas of the Gallery.

Staff are encouraged to conserve water on postering and in communications campaigns. When the Gallery reopens in 2028, this may be revisited to ensure that water points are available for the public in the reception area.

5.6.3 Single Use

Staff have been issued refillable cups for hot drinks and separate water containers mentioned above.

The Gallery undertook a communications campaign to reduce and eventually eliminate single use items from use within the Gallery for staff when the Gallery closed to the public. It is planned to widen this project to include lunch items and reusable containers.

5.6.4 Other Materials

Recycling bins are available throughout the Gallery for both the public and staff, facilitating recycling, material separation, and waste reduction.

Post-closure, bins for general waste and recycling are already in place in various areas of the Gallery, and staff are encouraged through education, communications, and posters to reduce usage and recycle.

Cleaning materials have now been replaced to the extent of 100% with environmentally friendly cleaning products throughout the Gallery.

5.6.5 Other materials - Gallery programming and events

The following considerations are now part of the artistic programming going forward:

- Extending the length of our exhibition runs and reducing exhibition turnover. We are now planning programming strategies for 2028 onwards, average exhibitions in future moving from 12 weeks to 16/18 weeks with some exhibitions moving from 12 weeks to 36 weeks.

- Sustainable travel methodology for loan works and Collection. Crawford endeavours to link transports wherever possible to reduce truck runs.
- Identifying and implementing more sustainable wrapping and packaging of collection items and artistic materials for storage, exhibition and transportation. All materials are sustainably sourced and reused where possible. We use local suppliers where possible. Modular t-frames designed to reduce amount of materials used. All existing crates are re-used and re-purposed with new foam to make suitable. Multiple artworks packed together where possible to reduce packaging. Sculpture cradles and crates re-purposed from storage shelving within the building. If condition allows, artworks are soft-wrapped, saving on materials and space in storage
- Increasing staff and artist engagement with environmental issues as active participants in reducing the institution's impact on the environment. A recent exhibition in 2024 "Meat & Potatoes" also facilitated a artist talk with Lisa Singleton, which looked at food production and packaging. Crawford Art Gallery's Acquisition programme, also considers environmental issues through the purchase of artworks, such as Donald Teskey's painting *"Crossing the Firebreak – Gougane Barra"* which evoke debate on climate change and habitat loss.
- Highlighting ecological concerns through our programme in exhibitions such as Heart of a Tree / Philip Toledano, artworks in A Matter of Time, Elaine Byrne *IF we winter here* and *Source to Sea* and the work *Who will tell the bees*.
- Further exploring sustainable ways of making exhibitions deliver a more sustainable model for future programming. This covers repainting, use of recyclable materials, reuse of materials once an exhibition has closed and sustainable disposal of materials that cannot be recycled.
- As part of the Decant Tender Framework evaluation process for Offsite Storage and Transport, suppliers were marked on 'Sustainable Practice and Process' - Tenderers had to outline measures taken to support sustainable practices within the lifetime of the framework agreement, including energy use, waste management, responsible sourcing and use of materials and carbon offsets etc.
- The environment in the off-site stores is continuously monitored and wider climate parameters as specified by the Bizot Group Green Protocol are being adhered to, to reduce energy consumption and carbon emission

6. Our Building and Vehicles

6.1 Building

Based on the energy model, the building design achieves or exceeds the requirements of Part L (2022) and is projected to achieve an A3 BER for the new build and B1 for the refurbishment respectively.

Target values for the thermal insulation, air leakage / infiltration limits, glazing performance and M&E equipment efficiency are noted in the Part-L Compliance & BER Report.

Design proposals have adopted renewable energy technologies that utilise high-efficiency electric heat pumps for heating purposes and photovoltaic panels.

Based on the BER analysis (and its inherent limitations), the estimated annual delivered electrical Energy for the combined new wing and existing refurbished building is 652,155 kWh. This assumes that there is negligible operation of the gas-fired boilers.

Crawford art Gallery will continuously monitor and review HU outputs to ensure minimum operation. Up to the point of closure of the building, Crawford Art Gallery commit to ensuring an ongoing awareness campaign amongst staff with regards to energy use with a focus on behavioural changes and reducing usage and waste.

6.2 Vehicles

The Crawford Art gallery does not operate a fleet of vehicles for staff use.

The redeveloped building will not have any parking facility for private cars – all existing parking will be phased out for the redevelopment. Employees are encouraged to walk, cycle or take public transport to work.

A hybrid working environment is supported which allows employees to cut down on overall journeys to and from work. Bicycle parking spaces are available in the public area outside and also within the grounds of the Gallery. Bicycle spaces in the public area are also listed on CCC bike parking map of the city.

The redeveloped building will have shower facilities for those biking to work and will not have on-site parking for vehicles.

Compliance with the Climate Action Mandate to date

In 2024, Crawford Art Gallery made measurable progress in aligning with the Climate Action Mandate, despite some ongoing challenges. Primary energy consumption increased slightly from 1,074,853 kWh in 2023 to 1,117,698 kWh in 2024, driven primarily by a rise in thermal energy usage to Collection environmental requirements. However, electricity consumption saw a modest decrease, reflecting some operational efficiencies and impact of initiatives undertaken by the Green Team. Due to the temporary closure in September 2024, visitor

numbers declined significantly—from 236,693 to 159,186—which contributed to a lower Energy Performance Indicator (EnPI) and improved per capita energy metrics. While overall CO2 emissions rose in 2024 compared to 2023, the Gallery remains committed to reversing this trend. The upcoming major redevelopment, due to begin in late 2025, is projected to enhance energy performance by 105.5% and reduce emissions by 53%, positioning the Gallery to meet or exceed 2030 climate targets. In the interim, staff have actively participated in regular sustainability training sessions and awareness campaigns focused on energy conservation and climate responsibility. New initiatives introduced in 2024 include practical workshops on efficient building use, adoption of low-impact operational procedures, and cross-departmental collaboration to promote a culture of environmental stewardship under the guidance of the Green Team. These efforts are integral to embedding sustainable practices across all aspects of Gallery operations.

Crawford Art Gallery has developed a Climate Action Roadmap to align with Ireland's national climate goals and reduce the Gallery's environmental impact, even while it remains closed for major refurbishment until 2028.

Key Focus Areas for 2025

- **Energy and Emissions Reduction**
The roadmap outlines plans to meet targets from the Climate Action Plan 2021, with a strong emphasis on reducing fossil fuel use and improving energy efficiency during and after the refurbishment.
- **Sustainable Operations**
While the Gallery is closed, operational policies led by the Green Team are being reshaped to minimise waste, reduce paper use, conserve water, and eliminate single-use items—setting up a sustainable framework for reopening.
- **Sustainable Building Refurbishment**
As no vehicles are in use, the focus is on ensuring that refurbishment projects are carried out in line with low-carbon building practices and sustainability principles.
- **Regulatory Compliance**
The plan ensures full compliance with the Climate Action Mandate 2022, integrating climate considerations into all decision-making processes throughout the refurbishment period.
- **Ongoing Review**
The roadmap will be updated annually to adapt to evolving climate policies and technologies, ensuring the Gallery remains on track for long-term sustainability when it reopens.