Gailearaí	Crawford
Ealaíne	Art
Crawford	Gallery

**Climate Action Roadmap 2024** 

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# **Table of Contents**

1	Introduction	4
	1.1 Introduction	4
	1.2 Regulatory Compliance	4
	1.3 Progress to date	4
2	Our People	6
	2.1 Leadership and Governance	6
	2.2 Climate and Sustainability Champion and EPO	6
	2.3 Governance Structure Green Team	7
	2.4 Crawford Art Gallery — Green Team Membership	7
	3 Our People - Engaging and Training	8
	3.1 Staff Training Plans	
	3.1.1 Training and Development plans	
	3.1.3 Climate Action and Sustainability Workshops	9
	3.2 Senior Leadership Training	9
4	. Our Targets	9
	4.1 Achieving the energy efficiency target (50% improvement by 2030)	9
	4.2 The gap to target	10
5	Our Way of Working	12
	5.1 Annual Report	12
	5.2 Energy and Environmental management systems	12
	5.3 Digitisation	13
	5.4 Green Procurement	13
	5.5 Construction	14
	5.5.1 Low carbon Construction methods and Low carbon cement	
	5.5.2 Resource and Waste management Plans for Construction and Demolition projects	
	5.6 Resource Use	_
	5.6.2 Water	_
	5.6.3 Single use	
	5.6.4 Other Materials	16
	5.6.5 Other Materials - Gallery programming and events	
6	Our Building and Vehicles	17
	6.1 Building	17
	6.2 Vehicles	17

# 1 Introduction

#### 1.1 Introduction

The Climate Action Plan 2021 (CAP21) committed that public sector bodies will complete Climate Action Roadmaps by the end of 2023.

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 2022 (the Mandate) and reach its 2030 carbon and energy efficiency targets. This requirement applies to all public bodies reporting under the existing monitoring and reporting (M & R) system already in place to follow the Mandate. The exclusions to this are Local Authorities, Commercial Semi-State bodies and Schools, all of which have their own requirements. The first climate action roadmap for Crawford Art Gallery was completed in December 2023 and this document is an update on this 2023 roadmap following the publication of the Climate Action Plan 2024 (CAP24) by the Government in December 2023.

In the first Roadmap, the focus for public bodies was on their 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 updated climate action roadmap is also focussed on the reduction of CO2 emissions as well as additional considerations regarding single use items, construction, water, paper, food waste, building stock planning and 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 the legal requirements are recognised as the following:

- Climate Action and Low Carbon Development (Amendment) Act 2021, which 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 vehicle changes to zero emission vehicles in 2025.
- SI4/2017 Energy Performance of Buildings, which requires all new public sector buildings built since 2018 to be "nearly zero emissions".
- SI646/2016, which requires that public bodies 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

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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

in part distinguished by being the only National Cultural Institution (NCI) located in its entirety outside of Dublin. The Gallery is actively contributing to Cork City and the wider region's ambitious plans for growth and internationalisation. The Gallery has a distinct and compelling story, physically it is comprised of three interconnected buildings of distinct historic origin, derivation, and style, reflecting the extraordinary evolution of the buildings towards the cultural institution they house today. The Gallery hosts visitors of over 265,000 per annum, is open 7 days a week and entry is free of charge to the public.

The Gallery has commenced a major redevelopment programme for its buildings at Emmet Place, Cork. The redevelopment project will entail the conservation and refurbishment of the existing public and gallery spaces and further enhancements to the Gallery will include new exhibition and storage facilities, new Learn and Explore spaces and an overall enhanced visitor experience including a major reorientated entrance directly onto Emmett Place.

#### **VISION**

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

#### **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 art, sculpture, and design;
- 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 and this was presented to the Board and submitted to the Department of Tourism, Arts, Culture, Gaeltacht, Sport, and Media and to SEAI in December 2023. This Climate Action Roadmap 2024 is a revision to the 2023 roadmap for the Gallery following an update by the Government in December 2023.

Progress to date: In 2023, a Green Team was formed within the Gallery. Terms of reference were established for this team, and these were approved and signed off by the Board. Baseline energy metrics have been established for the Gallery buildings and targeted reductions for 2030 have been established. A staff wide training and workshop session was held in September 2023 to raise awareness of sustainability with a focus on reduction of carbon emissions. Measures have been put in place to increase sustainability in many areas such as increased digitisation of paper processes, increased recycling of paper and materials, raising and maintaining awareness by way of regular communications and updates to staff on progress being made and ensuring that sustainability, reduction of waste and energy efficiency are at the fore of 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 Green Team established by the Gallery in 2023 has the objective of driving sustainability in the organisation. In terms of leadership and governance structures, this team reports to the Senior Management Team and 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.

# 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 has responsibility for implementing and reporting on the Mandate. Grace O'Mahony, a member of the senior management team of the Gallery has been appointed to this role.

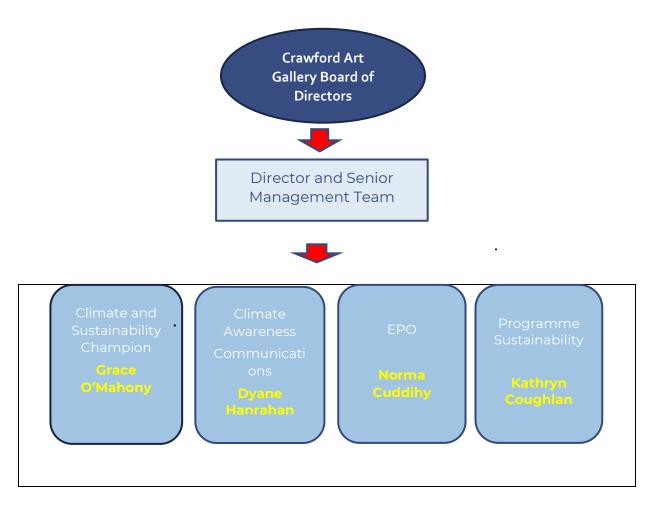
The Appointment of a member of the senior management team as an Energy Performance Officer (EPO) is also a requirement of the Public Sector Energy Strategy 2017. EPOs (Energy Performance Officers) are required to have decision making powers with respect to facilities, corporate budgets, and procurement. It is noted that an appropriately ranked EPO may also serve as an organisation's Climate and Sustainability Champion in smaller public bodies. The Gallery have nominated Norma Cuddihy, a member of the Senior Management Team, for 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 energy management as an integral part of business planning and performance management processes.
- Drive the implementation of actions and projects agreed under energy management plans.
- Assign clear responsibility for implementation of the Climate Action 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 the 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:



# 2.4 Crawford Art Gallery – Green Team Membership

Crawford Art Gallery	Role & Responsibility	Email
Green Team Member		
Grace O'Mahony	Climate and Sustainability Champion (C&SC)	financemanager@ crawfordartgallery.ie
Finance Manager	Leadership, Reporting, Implementation of the	erawrordar tganer y ne
(Senior Management	mandate	
Team)		
Norma Cuddihy	Energy Performance Officer (EPO)	normacuddihy@
Head of Operations		crawfordartgallery.ie
(Senior Management	Oversee facilities, budget, and procurement for	
Team)	Climate Action Plan. To seek energy savings, operations and upgrades of existing plant and facilities.	

Climate	Action	Roadmap	2024
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	Monitor and respond to emails to the Green Team at greenteam@crawfordartgallery.ie	
<b>Dyane Hanrahan</b> 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.

# Our People - Engaging and Training 3.1 Staff Training Plans

# 3.1.1 Training and Development plans

The Crawford Art Gallery will implement Training and Development plans for individual staff members in the second half of 2024. A staff position with responsibility for staff training is being resourced and recruitment is underway for this position. 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. Staff will also be encouraged to complete the online Skillsnet training on sustainability and climate action.

# 3.1.2 Green Team Training

The green team members attended a series of four workshops run by Failte Ireland in September 2023. These workshops focussed on *Waste Management, Energy Management, How to tell Your Climate Story* and *Food Waste Management*. The Green Team is currently undergoing online sessions on sustainability with Skillsnet through their online training portal. These sessions of 90 minutes duration, focus on sustainability awareness and upskilling in this area. A further series of micro sessions with SEAI will be undertaken by the members of the green team over the course of 2024. These sessions will be 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.

# 3.1.3 Climate Action and Sustainability Workshops

In September 2023, a staff engagement and training workshop was held in person in the Gallery for all staff with a 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 some of the measures being introduced such as increased digitisation of paper-based processes, reduction of paper and printing, improved recycling of materials, reduction of waste and use of green materials for cleaning. The workshop had a high level of interest and engagement from staff and a further annual staff workshop is planned later in 2024 to build on this training. The focus 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, Training programme, and resourced appropriately. Staff will be alerted about the micro sessions available on the SEAI website and the Sustainability pass with Skillsnet.

# 3.2 Senior Leadership Training

Senior leadership training is scheduled for the Principal Officer (PO) in November 2024. This training is being delivered over a period of 8 weeks by the Climate Ready Academy. The Climate Ready Academy have partnered with Chambers Ireland and Skillnet Ireland to design and deliver an innovative Sustainability Leaders training programme which aims to drive and assist businesses and sustainability professionals to embrace responsible and sustainable business practices towards a decarbonised economy. The programme will examine the challenges of transitioning to a sustainable business model and learn how to overcome them by identifying the key organisation levers to facilitate change. The Gallery will also research suitable training for members of the Board, with a plan to deliver this later in 2024.

# 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 as follows:

- 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. This update is following the publication of the Climate Action Mandate 2024 in December 2023.

## EnPI baseline of 5.59

The Energy Efficiency Baseline, as recorded by the SEAI Monitoring & Recording (M&R) system identifies an EnPI baseline of 5.59 when the target reductions were initially set in 2009.

#### CO2 baseline of 184,914 KgCO2 per annum

C02 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 2022 show a reported Energy rating of 5.17 EnPI and CO2 emissions of 184,641 KgCO2.

# 4.2 The gap to target

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

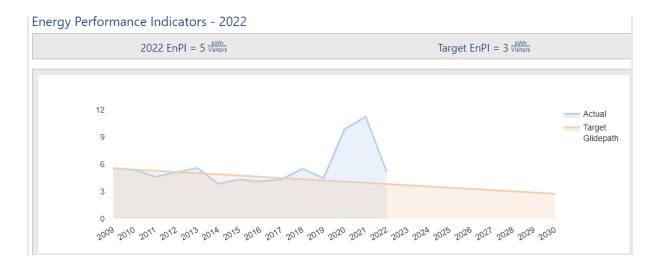
- o Improve energy efficiency from the current EnPI 5.17 to EnP1 2.78.
- Reduce CO2 emissions from a baseline of 184,914 KgCO2 to 65,429 KgCO2 in this period over both Thermal and Electricity. The CO2 emission reported for 2022 as per the SEAI Reporting and Monitoring website is 184,641 KgCO2, hence a small reduction of 273 KgCO2 was achieved in 2022 compared to the baseline.

The gap to target is therefore a reduction of 119,212 KgCO2 and 2.39 EnPI on baseline before 2030.

## Improving Energy Efficiency

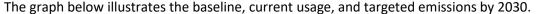
The EnPi is currently measured as total kWh by the number of annual visitors. The Integrated Design team have forecast that the total kWh after the redevelopment of the building will be reduced to 652,155 kWh which based on 2022 visitor numbers would result in an EnPI of 2.46 compared to the target of 2.78. 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. It is anticipated therefore based on the projected KWh and the increased visitor numbers that the EnPi for the Gallery will improve further beyond the forecast metric of 2.46.

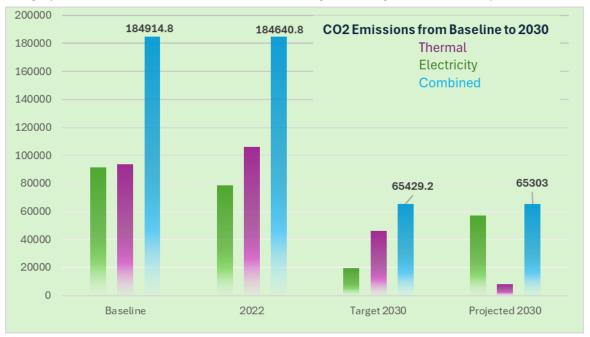
The chart below illustrated the EnPi trajectory from the baseline of 2009 to 2030.



#### 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 require initiatives to be taken by the Gallery to achieve this goal.





The Crawford Art Gallery Buildings at Emmet Place are due to undergo extensive redevelopment with an expected start date in Q1 2025. This work 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 mtrs<sup>2</sup> and this is expected to rise to a total of 6,767 mtrs<sup>2</sup> once the redevelopment is completed. The Integrated Design partners on the Redevelopment Programme are guiding an overall combined emissions level of 47,669 Kg CO2 emissions for the redeveloped building and 17,634 Kg CO2 for the new elements of the building. This projected emission level for the existing building represents a reduction of 119,612 KgCO2 from baseline.

Based on the projected CO2 emissions for the new and redeveloped building the Gallery is set to reach its target of 51% reduction by 2030. The projected CO2 emissions have been provided by the Integrated Design team to the project and factor in predicted decarbonisation of the electricity grid over this period.

The reduction in CO2 emissions will be achieved through the redevelopment of the building and the incorporation of new and energy efficient lighting, replacement of fossil fuel heating with heat pump technology and improved insulation of the building throughout. 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 practice on energy management. In this regard Crawford Art Gallery reports annually to the SEAI on the M & R system website. Data from gas and electricity meters are automatically uploaded and travel information is entered annually by the requested deadline date. The M & R system is also used in the preparation of the Climate Roadmap and any updates to this.

The M & R system is also used to monitor energy usage, identify areas of high energy usage and to track energy efficiency and energy usage for the organisation. The Gallery will continue to report on energy usage though the SEAI Monitoring & Recording (M&R) system.

Additionally, the Crawford Art Gallery has recently registered as a decarbonisation partner with the SEAI. SEAI has assigned an Energy performance relationship officer in an advisory capacity and to assist in identifying gaps to target, identify resources and support needed to bridge the gaps.

Steps taken in 2023 to improve energy efficiency within the building:

- AHU and boiler-house set point is at 18 degrees (with fluctuation allowance set to 16-19 degrees to keep the Gallery within guidelines)
- When it is not constrained by artwork loan conditions, AHU will be turned off.
- Heating is reduced to the times of 8am to 3pm.
- Zoning based on staff office usage is not possible as the heating zones are based on the date of construction of each part of the building.
- Other power conservation methods are communicated to staff and regular messaging is employed regarding efficient use of lighting printers, plugs and other electrical equipment.
- Implementation of an energy audit periodically (every four years) once the building is reoccupied after the Redevelopment Phase. The last energy audit was caried 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, so that it becomes the default approach.

The Gallery Green Team engaged in 2023 with the Gallery staff to review paper-based processes to understand potential for digitization and possible further expansion of central server and board portal. This work will continue as the Gallery closes for the redevelopment.

The Gallery monitored the figures for printing costs and copy paper orders from 2019 and a reduction of 44% demonstrates this progress to date in converting to digitized processes.

Other initiatives within the Gallery include:

- Staff are encouraged to think before they print and if printing is necessary 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.
- 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 moved from paper-based processes and storage to digital platforms.
- o HR systems have also been digitised with an online HR system in place.
- o Documents are stored in secure servers which are managed by the IT service provider.
- Staff going to meetings are encouraged to use their laptops and screens instead of bringing printed materials.
- Board related communications are digitised with all board papers now kept in a secure cloudbased platform.
- o In some instances, digital signatures are in use saving on printing of signature pages.

# 5.4 Green 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 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 transport and storage of artworks which were advertised in 2023. Assessment of tender responses had a weighting of 5% overall in the award evaluation for green and sustainability criteria. Similar criteria will be introduced into smaller nonpublic tenders on a phased basis. Tenderers will be required to respond to sustainability and green initiatives implemented within their own organisations and this will be weighted accordingly and contribute to the overall evaluation of the responses. Also, the Gallery is re-evaluating the in-house procurement policy to introduce these changes in procurement practice within the overall guidelines set out by the OGP.

The Green Team will continue to investigate opportunities to introduce green criteria in

procurement to support climate action ambitions.

## 5.5 Construction

The Redevelopment of the Gallery will be overseen by the Office of Public Works and construction related issues regarding the use of low carbon cement, incorporating best practice guidance of resource management for demolition and waste management will be managed by them.

#### 5.5.1 Low carbon Construction methods and Low carbon cement

Regarding planned construction and refurbishment of the Gallery, the Integrated Design Team have indicated the following:

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 will be required to 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 will be 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 incorporates a dedicated space for the segregation and storage of operational recyclable waste volumes generated by the assessed building, its occupants, and activities. This space 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

#### 5.6.1 Food Waste

The Gallery will introduce food waste bins in various parts of the building where food is consumed, and these will be periodically weighed and measured by the current contract waste collector with the objective of reducing food waste going forward.

The new café operator will be required to measure and monitor food waste. This requirement will form part of the tender and evaluation process for the new cafe operator once the building reopens after the redevelopment and refurbishment.

# 5.6.2 Water

Staff have been provided with refillable water bottles and there are water refill points within the building for staff to avail of these.

To protect the artworks on display within the building, the public are not permitted to bring liquids into the building. For this reason, water refill points are not provided in public areas of the Gallery. Staff are encouraged to conserve water on postering and in communications campaigns.

#### 5.6.3 Single use

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

The Cafe operator on the premises does not use single use materials for drinks and food sold on the premises.

The Gallery plans to commence a communications campaign to reduce and eliminate single-use

items from the Gallery. This will apply to promotions and events In the Gallery and to personal use items.

#### 5.6.4 Other Materials

Recycling bins are available in all areas of the gallery for the public and staff to facilitate recycling, separation of materials and reduction of waste.

As mentioned under food waste, the Gallery will introduce food waste bins in appropriate areas of the Gallery and commence measuring the amount of food waste generated with a view to reducing food waste this over time.

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 use and recycle.

Cleaning materials have now been replaced to the extent of 90% 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 exhibition runs and reducing exhibition turnover. Implementing sustainable travel methodology for loan works and Collection. Three off-site storage locations have been selected for storage, two within Munster to reduce the distances travelled. The Gallery links or consolidates transports with other projects whenever possible. Works for planned for loan in partner institutions will be stored as near to the lender as possible. Identifying and implementing more sustainable wrapping and packaging of collection items and artistic materials for storage, exhibition, and transportation. In this regard guidelines have been created to reduce material overuse during packing. Works will remain packed for duration of storage period to reduce material use and wastage. Where possible existing sources of materials (plinths) will be repurposed for T-Frames. Research is ongoing into reliable and cost-effective suppliers of more ecofriendly items like biodegradable nitrile gloves.
- Increasing staff and artist engagement with environmental issues as active participants in reducing the institution's impact on the environment.
- Highlighting ecology, biodiversity, and sustainability concerns through our programme such through exhibitions such as 2022 AFI screening programme, Botanica, Meat & Potatoes, A Matter of Time, Source to Sea and new collection acquisitions over the last three years. Our events often reflect these concerns, for e.g. "Climate Conversation" - Lisa Fingleton and Dingle farming communities (June 2023), "Food Futures" (Nov 2022).
- Working to 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.
  - Rita Duffy with agreement of the artist decision made not to repaint walls/change wall colour
  - L&E Studio focus on display using second hand, recyclable or reusable materials
  - Following Threads branding, signage and repainting kept to a minimum, handcrafted sign sent back to designer for re-use
  - A Matter of Time large wooden plinths will be repurposed with the permission of the artist.

- Building As Witness large wooden plinths will be repurposed with the permission of the artist.
- Planned trials of sustainable exhibition panels and labels recycled materials, recyclable, sustainably produced.
- Re-use of packing materials, frames, and other installation materials wherever possible.

# 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.

Renewable energy technologies using high efficiency (electric) heat-pumps for heating purposes and photo-voltaic panels have been adopted in the design proposals.

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.

The Gallery will continuously monitor and review HU outputs to ensure minimum operation.

Up to the point of closure of the building, the Gallery commits 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 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 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.