kcetb
Bord Oideachais agus Oiliúna
Chill Chainnigh agus Cheatharlach
Kilkenny and Carlow
Education and Training Board

KCETB Public Sector Climate Action Mandate (PSCAM) Roadmap

Edition 5

August 2026

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1. Introduction

KCETB is the State agency that oversees the development of high-quality education and training opportunities across Carlow and Kilkenny. KCETB serves the counties of Kilkenny and Carlow, which have a combined population of 166,128 (Census, 2022). Its reach extends from Hacketstown in north-east Carlow to Ferrybank in south Kilkenny, and from Graiguenamanagh across to Johnstown. KCETB provides a diverse range of services which encompass second-level education, further education and training, youth work and a broad range of support services for learners and communities. KCETB services are focused on local communities with a range of schools/colleges and further education and training centres providing a diverse range of programmes. We support learners in reaching their potential and participating fully in their communities. KCETB promotes a culture of learning for all and recognises the importance of its role within communities across its two counties. The student is at the heart of everything we do as we strive for excellence in education, training, and service delivery. We are committed to high-quality outcomes for our learners and, as a learning organisation, believe that learning has the power to change lives and build communities. We strive to always make that a reality for our students, supporting their endeavours and celebrating their successes. KCETB delivers a range of administrative supports which underpin its education and training services across finance, human resources, buildings, estates and procurement, and information, technology and governance. This is led on a day-to-day basis, by the executive management team and the administrative and support staff.

The KCETB mission is to enable students to reach their potential through education and to participate in the life of our area and of the country. To deliver on this ambition, KCETB is committed to supporting the development of a sector that is innovative, flexible, and responsive to the needs of learners and employers. As a Public Sector organisation, KCETB is also committed to delivering on its obligations under relevant legalisation such as the Human Rights and Equality Act 2014 (the Public Sector Equality and Human Rights Duty) and the Climate Action and Low Carbon Development (Amendment) Act 2021, the Climate Action Plan 2023, and the Public Sector Climate Action Mandate (PSCAM).

Working closely with the government departments, Department of Education and Youth, Department of Further Education and Skills, Research, Innovation and Science, with the Department of Climate, Energy and Communications, and with the Sustainable Energy Authority of Ireland (SEAI), KCETB is committed to demonstrating the necessary climate action to reduce Ireland's greenhouse gas emissions by 51% by 2030. Future KCETB Public Sector Climate Action Mandate Roadmaps will record actions taken to date and set out plans to achieve the required targets.

1.1. Progress to Date

KCETB has established a Climate Action and Sustainability working group. The working group have begun set up of Green Teams (GTs) in all of our schools and centres. The roll out of the GTs started in the 2024/2025 academic year. As part of this roll out the working group commissioned a survey to try and establish what level of engagement the schools and centres have with some of the areas identified by Deloitte in their recommendations to ETBI; recycling, water use and biodiversity. We plan on using the results of the survey to allow the new Green Teams to engage with these topics and try and put measures in place to meet the requirements set out by Deloitte.

We have had IS426 Energy audits carried out on all of our schools and centers, and we have been using the recommendations of these reports to inform our Gap To Target tool.

One member of our working group has completed the SEAI / ETBI Energy Map Training, and another member is currently taking part in a Climate Action and Sustainability course.

Projects completed to December 2024:

Prefab Replacement Scoil Aireagail, Ballyhale, Co. Kilkenny
Prefab Replacement Duiske College, Graiguenamanagh, Co Kilkenny
Roof Replacement Colaiste Eoin, Hacketstown, Co. Carlow
LED Lighting Upgrade Scoil Aireagail
Boiler replacement Abbey Community College
LED Upgrade Ormonde College
Installation of 6kWp PV Array at Coláiste Mhuire
Installation of 6kWp PV Array at Kilkenny City Vocational School
Installation of 6kWp PV Array at Abbey Community College
Installation of 6kWp PV Array at Coláiste Cois Siuire
Installation of 6kWp PV Array at Duiske College
Installation of 6kWp PV Array at Scoil Aireagail

2. Our targets

As set out in the Government's Climate Action Plan 2023, KCETB, as a Public Body, is required to lead by example and are mandated to develop a Roadmap setting out how energy efficiency and energy related GHG emissions reduction targets will be achieved.

- **Reduce Energy related GHG emissions by 51% by 2030 against a baseline of 2016 to 2018 average emissions.**
- **Increase the improvement in energy efficiency in the Public Sector from the 33% target in 2020 to 50% by 2030 against a 2009 baseline.**
- **A net zero energy related emissions target for 2050 at the latest.**

These targets as set are based on:

- **Scope 1 Emissions:**

  Direct energy-related emissions from fuel (oil, gas, coal etc.) used by owned buildings, vehicles, and equipment (including energy used for heating, catering, and the delivery of services)

AND;

- **Scope 2 Emissions:**

  Indirect energy-related emissions from electricity used by owned buildings, vehicles, and equipment (including electricity used for heating, cooling, lighting (indoor & outdoor), catering, ICT, and the delivery of services)

AND;

- **Scope 2 Emissions:**

  Energy related emissions from fuel (oil, gas, coal etc.) and electricity used by leased and controlled buildings, vehicles, and equipment. These emissions associated with buildings that KCETB lease are classified as Scope 3 emissions in international GHG protocols but are being considered and treated as Scope 1 and Scope 2 emissions by the Irish Government's Climate Action Plan. KCETB are treating emissions from leased buildings as Scope 1 and Scope 2 emissions within this PSCAM Roadmap.

As previously noted, the targets set for the Public Sector do not currently include any non-energy related Scope 3 emissions; it is anticipated that such emissions may be included in future updates of the Government's Climate Action Plan. The Carbon Budgets that are being developed by Government currently relate to energy emissions only for the commercial and public buildings sector.

As specifically stated in the Climate Action Plan Mandate, a number of areas need to be addressed and strengthened to support and facilitate the achievement of these explicit targets by Public Sector bodies including the items identified in Table 1.

Table 1. Climate Action key areas and target implementation dates

#	Description	Status	Target Implementation Date (if not complete)
1	Establishment and co-ordination of Energy and Green Teams	Complete	
2	Nomination of Senior Management Climate and Sustainability Champion	Complete	
3	Training, learning and development strategies for staff and staff workshops	"Reduce your Use" training deployed to all staff Training strategy in preparation	Q1 2024 (Completed) Q3 2025
4	Improved reporting and transition to digital processes	Liaison with ICT commence in Q3 2023	Q4 2025
5	Creating bicycle friendly buildings	Review of current bicycle facilities	Q4 2023
6	Displaying Energy Performance Certificates	Complete	
7	Phasing out of fossil fuel heating systems after 2023	Review & proposal to be developed	Q4 2026
8	Install PV in Calow PP Schools	On site	Q3 2025
9	Applications complete for SWS 2026	Awaiting approval	Q3-4 2025
10	Installation of 500kWp PV system at Joinersfolly CotF site	M&E Consultant appointed	Q4 2026
11	Installation of 200kWp PV system at Joinersfolly CotF site	To go to tender Q3 2026	
12			
13			

Each of these action areas will be addressed by KCETB, either through the actions outlined in this Roadmap, or a wider KCETB Climate Action and Sustainability Strategy/Action Plan (to be developed).

The following figures, produced by the SEAI's Monitoring & Reporting tool (M&R), demonstrate performance to date in respect of the key metrics of Climate Action.

Figure 1. shows the Target Glidepath which represents the energy performance required to achieve the public sector energy efficiency 2030 targets. To date, the KCETB performance has exceeded the required targets .

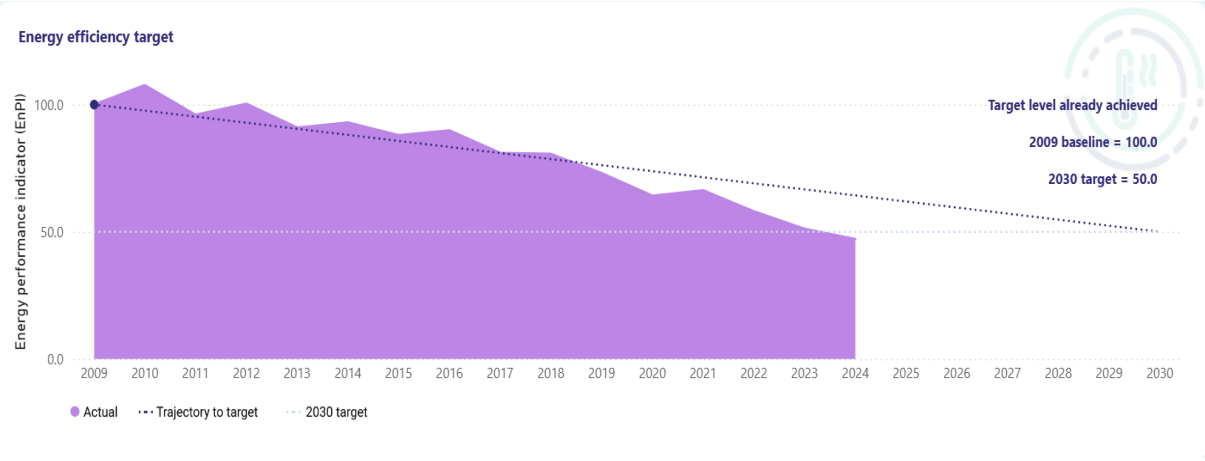

Figure 1. Energy Performance from 2009 Energy Efficiency Baseline to 2024

Figure 2. shows the Total Primary Energy Requirement which is a measure of energy consumption that also accounts for the energy related to the distribution of the electricity through the grid. The choice of energy usage within a rented premises is challenging to change.

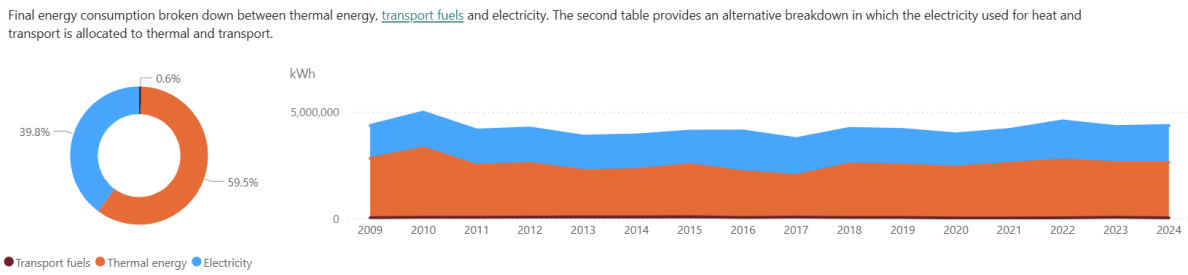

Figure 2. Energy Consumption - Total primary energy requirement (TPER) 2024

As with the choice of fuel between gas and electricity shown in Figure 3., as a renter, it is difficult for KCETB to influence the adoption of renewable fuel sources. However, the national programme to decarbonise the grid means that prioritising the use of electricity should automatically increase the use of renewable energy into the future.

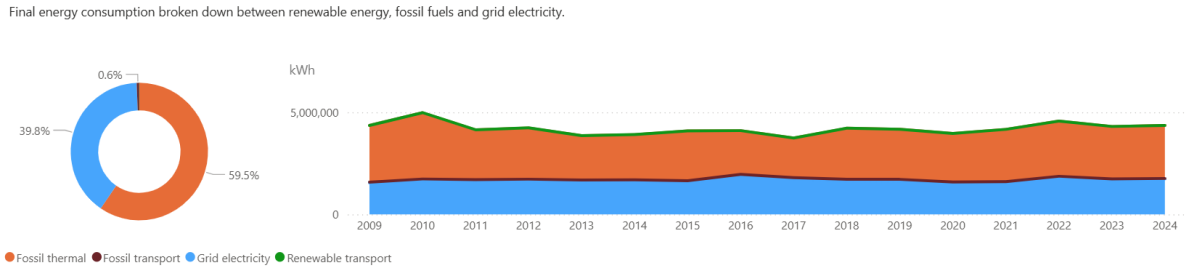

Figure 3. Renewable Energy Usage 2009-2024

Figure 4. shows the CO2 emissions related to the energy use in all KCETB building in 2024. In 2024 we produced 12,795 kgCO2 less than 2023.

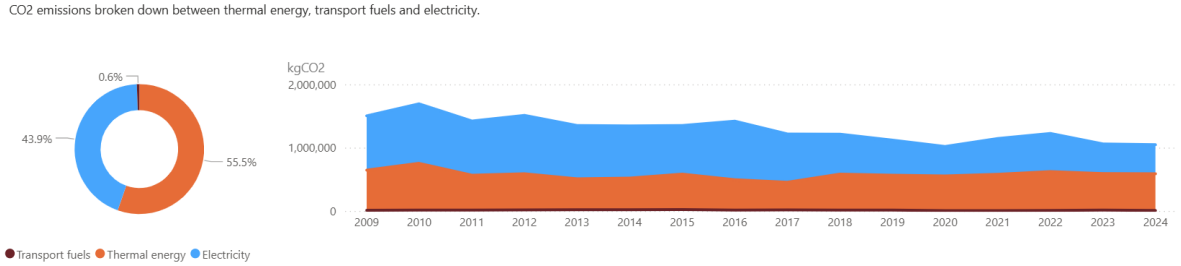

Figure 4. Energy-related C02 Emissions

KCETB is constantly engaging with our SEAI-appointed Partnership Support Manager (PSM) to develop strategies to help us reach our energy and carbon targets for 2030 and 2050.

KCETB engaged KSN Horizon Energy Management Services to carry out energy audits at our schools, centers and administration offices. We are now using these audits and the projects identified to inform our Gap to Target.

2.1. Achieving our carbon target

The initial focus of the KCETB Roadmap is to impact upon Scope 1 and 2 decarbonisation requirements as shown in Figure 5. This Roadmap diagram is at a very early stage of development and is currently based on the HSE roadmap. In contrast to the HSE, the KCETB focus is mainly on leased property.

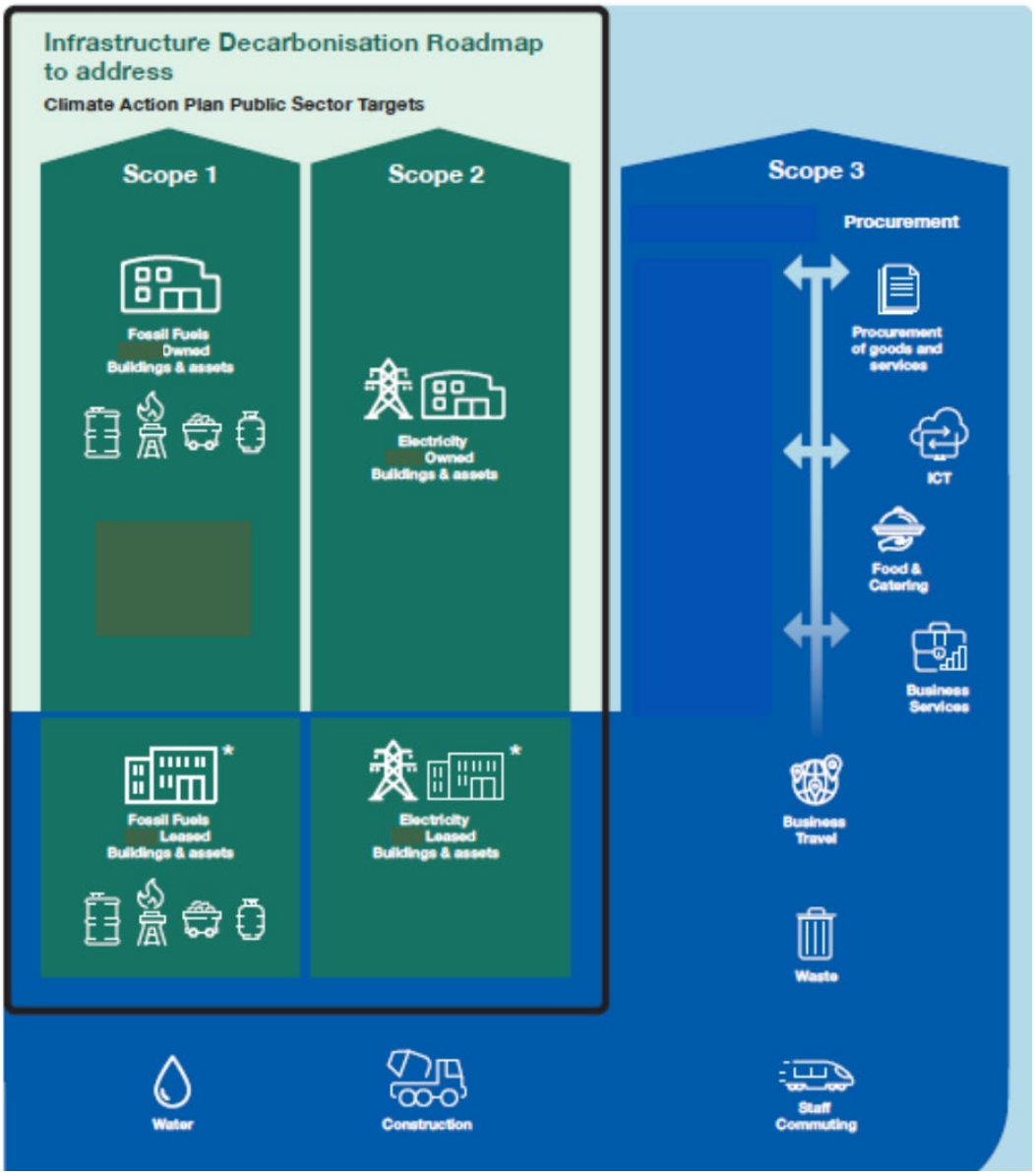

Figure 5. Scope of Climate Action Plan Public Sector Targets and Scope of KCETB Infrastructure Decarbonisation Roadmap (after HSE Climate Action Roadmap)

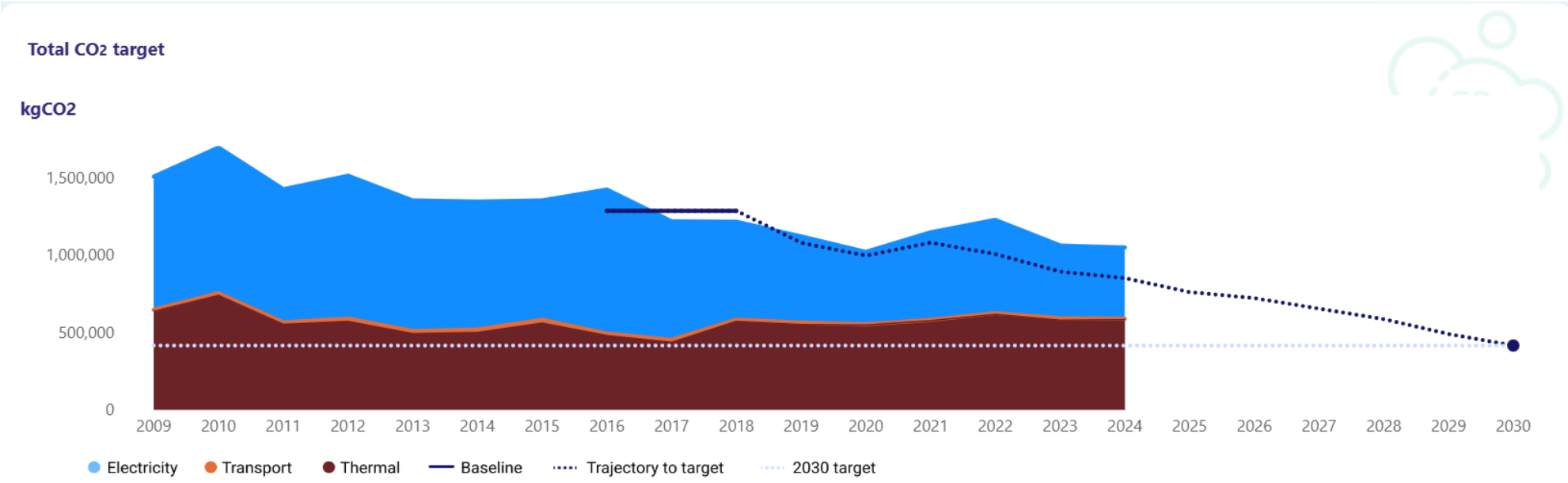

Figure 6. KCETB Green House Gas reduction targets

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KCETB have identified with the use of the Gap to Target tool a list of projects which will, if implemented, reduce our CO2 emissions and energy consumption in line with the 2030 reduction targets. These projects include but are not limited to the conversion from the use of fossil fuels like kerosene, gas, oil, and LPG to Biofuels, installation of PV, insulation and building fabric upgrades on all KCETB owned schools and FET centres. If these projects are implemented, we will reach our 2030 energy reduction targets and be in line to meet the 2050 targets. A full description of all the proposed projects is available in Appendix 1.

KCETB has received sanction from SOLAS and DFHERIS to develop a FET College of the Future in Kilkenny. Part of the process of the development of this facility would be a planned divestment from some our currently rented building stock in Kilkenny. It is planned that the accommodation provided by the currently rented properties would be provided in the purpose built, 'A rated' building. KCETB does not consider the investment in energy upgrades in rented building stock for the short term a good investment. We are currently planning the installation of a large PV system at our CotF site at Joinersfolly.

2.2. Achieving our energy efficiency target

In addition to reducing our carbon emissions and overall resource usage, KCETB is committed to being as efficient as possible with energy that must be used, i.e., to finding ways to use less energy to perform the same tasks or achieve the same results.

KCETB is currently engaging with our SEAI-appointed Partnership Support Manager (PSM) to identify and support delivery of improved energy efficiency across our required and continuing energy usage.

3. Our People – Leadership & Governance

Through its commitment as a learning organisation, KCETB supports staff to undertake upskilling and education opportunities. Individual staff members have attended conferences on sustainability and the roll-out of **Energy and You: Reduce Your Use** eCollege course to staff members has commenced. One team member has a BSc in Energy Management. Another team member has commenced a Postgraduate Certificate in Climate Action and Sustainability.

3.1. KCETB Executive Management Team (EMT)

KCETB has appointed the Director of Organisation Support and Development, who is a member of the leadership team, as the Climate and Sustainability Champion for KCETB, The Climate Action and Sustainability Champion will oversee the implementation of the KCETB Public Sector Climate Action Mandate Roadmap and associated strategies.

Quarterly updates will be provided to EMT on performance against the Road map, and resourcing will be allocated to enable the establishment and operation of KCETB Green Teams as well as in support of training and education of the wider staff.

3.2. KCETB Board

The KCETB Board has taken an active role in supporting and championing Climate Action and Sustainability both in the organisation and in support of the KCETB mission, including through the organisations that it supports and funds.

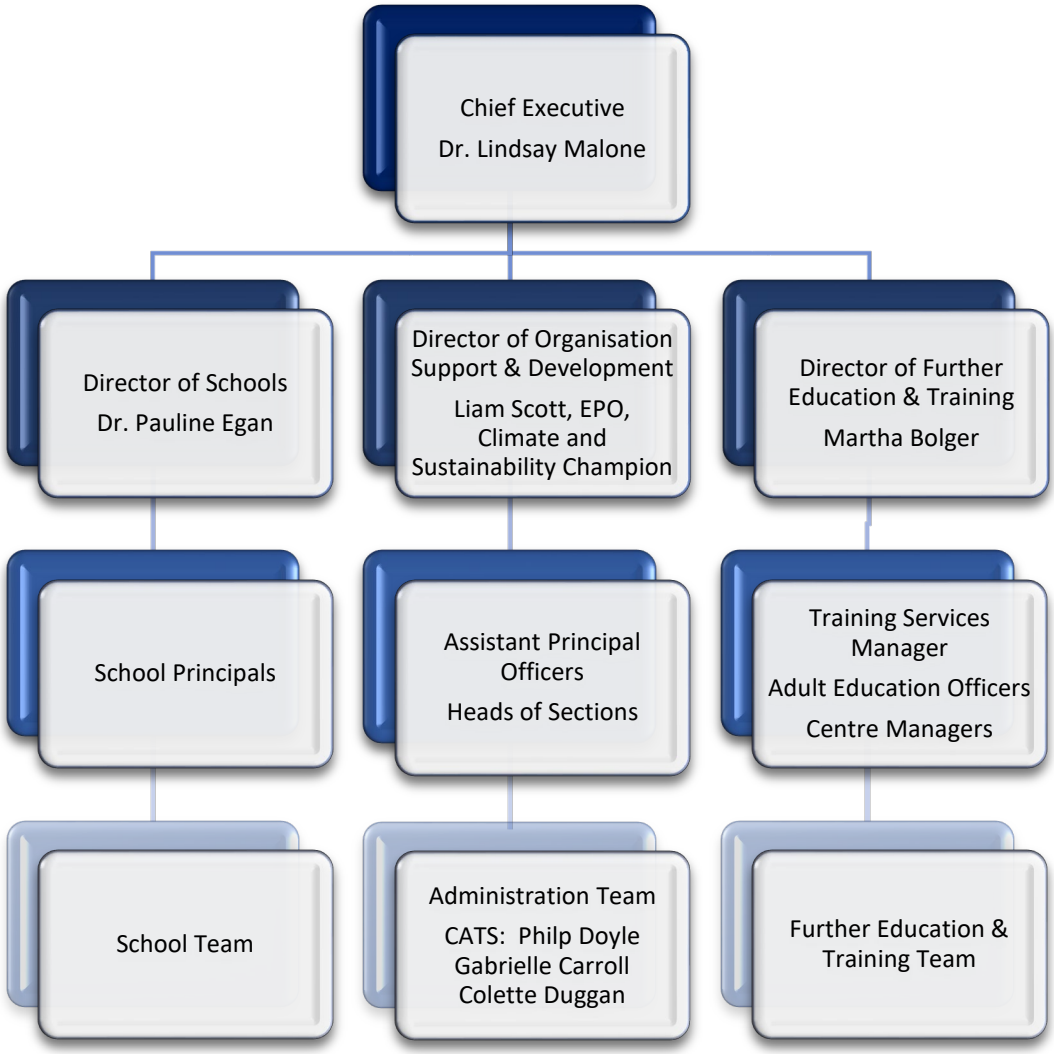
A 6-monthly update will be provided to the Board on KCETB performance against the Public Sector Climate Action Mandate Roadmap.

3.2.1. Organisational Structure

The Board of KCETB is supported by an Executive, which is responsible for the implementation of policy, day-to-day management and functions not reserved for the Board as detailed in S12 of the Education and Training Boards Act 2013.

Kilkenny and Carlow ETB operates across the two counties of Kilkenny and Carlow with its head office in Carlow and a further office in Kilkenny.

Kilkenny and Carlow ETB management team is led by the Chief Executive and three directors, the Director of Schools, the Director of Further Education and Training and the Director of Organisation Support and Development.



2025 Organisation Chart

3.3. Green Team

KCETB have established Green Teams in our centres and schools. We have a working group who are provisionally tasked with setting up the Green Teams, this working group consists of a selection of staff from diverse range of levels, and we commenced introduction of Green Teams in all our schools and centres in Q3 2024.

The Teams will comprise a representative mix of personnel who hold key roles related to Climate Action, including managers and caretakers and interested individuals who are best placed to progress the climate action and sustainability within each local unit in KCETB.

The Team is tasked with identifying a range of actions to develop the organisational and the staff knowledge around climate change, action, and adaptation. Highlighting to the Green Teams of the available upskilling and education opportunities available with support from HR and FET.

4. Our People – Engaging our Staff

4.1. Engaging our people

KCETB will continue to raise awareness of organisational and individual responsibilities and opportunities with the following activities;

- Establish a Climate Action and Sustainability Committee
- Representation by Chief Executive and from each Directorate
- OSD: DOSD/Buildings Officer/Rep Carlow HQ/Kilkenny office. All schools and FET centres.

4.2. KCETB Climate Action Committee objectives

KCETB Climate Action Committee will develop an effective and comprehensive Climate Action Plan (CAP) to address the urgent challenges of climate change across KCETB services and areas of influence.

The CAP will outline strategies, policies, and initiatives aimed at reducing greenhouse gas emissions, improving energy efficiency, adapting to the impacts of climate change and promoting sustainability and biodiversity.

4.3. Sectoral Leadership

KCETB is working with colleague ETBs, ETBI on Carbon Footprint Reduction. Through this forum, KCETB will participate in co-ordinated decision making and will benefit from enhanced collaboration across the ETB section in support of Climate Action, including through knowledge development in the context of Lessons Learned activities, both formal and informal.

KCETB is also liaising with the Department of Education and Department of Further and Higher Education, Research, Innovation and Science to progress climate action and sustainability objectives.

KCETB is an active participant in ETBI's Property and Buildings Group 6-weekly forums, and Climate Action and Sustainability Group through which knowledge can be shared and information distributed across the FET sector.

- Short course / CPD programmes
- External programmes leading to formal NFQ qualifications.
- Webinars / in-house training, including via eCollege.
- Promotion of Behavioural Change via information campaigns and internal communications channels.

As we have already stated the working group is going to engage with our staff in schools and centres to set up Green Teams at each location. Once the Green Teams have been established

we can ask them to identify any requirements they have for training to allow them to implement out energy saving and carbon reduction plans.

As a base point for energy training we plan on introducing the Department of Education's Energy in Education website and the training courses they offer. Participants are guided step by step through the energy management process from understanding bills and energy use in the school to developing and implementing an energy saving plan. Advice, mentoring and assessments by an SEAI appointed Energy Adviser will also be on offer to schools who participate in courses.

Our EPO and Climate and Sustainability Champion has also signed up to do a Climate Action and Sustainability course which commenced in Q3 of 2024.

5. Our Way of Working

5.1. Energy and environmental management systems

KCETB currently occupies both owned and leased buildings.

Decarbonisation Plans will be developed for self-owned buildings and sanction for funding to decarbonise will be sought from the relevant departments.

KCETB leases a large number of buildings where the building management systems are outside of our direct control. However, negotiations on the renewal of leases and/or new leases will be utilised, where possible, to obtain best-in-class management systems and renewable energy sourcing to ensure KCETB continues its path towards achieving the 2030 51% reduction targets.

The proposed FET College of the Future in Kilkenny will provide major progress in achieving Carbon Footprint Reductions in FET services in KCETB.

5.2. Green Public Procurement

KCETB procurement complies with all relevant Government policies and circulars in respect of embedding green requirements.

All capital investment funded through KCETB specifically names GPP (Green Public Procurement) requirements as part of procurement Terms & Conditions and Project Delivery Agreements. Additionally, a condition of larger capital projects is the appointment of an Energy Efficiency in Design Consultant to ensure both full compliance and innovation in respect of forthcoming targets and requirements.

All capital and lease funding proposals are reviewed through a sustainability lens with KCETB requiring improved applications where achievement of Climate Action Targets has not been prioritised.

Major capital investment projects will utilise Building Information Modelling to facilitate Carbon Reductions and Sustainability under the auspices of the Capital Works Management Framework.

5.3. Food Waste

In compliance with S.I. No. 508/2009 - Waste Management (Food Waste) Regulations 2009, KCETB made it a requirement of a new tender for school meals that suppliers must provide details of what system they have in place to measure, reduce and report on food waste generated under the contract to the Contracting Authority when requested. Suppliers are to ensure food waste prevention guidance is adhered to and outlined how this was communicated to users. All suppliers were directed to review the Environmental Protection Agency protocols and guidance (Food Waste Charter). KCETB are considering signing up to the Food Waste Charter.

5.4. Single Use Items

As part of KCETB's compliance with S.I. No. 516/2021 - European Union (Single Use Plastics) (No. 2) Regulations 2021, KCETB have in a recent tender for the provision of school meals required tenderers to outline their approach to minimising environmental impact, including details on how they propose to minimise food packaging in an effort to reduce waste while still ensuring the safety and preservation of food, eliminate the use of single-use plastics and incorporate recycled and renewable materials into the service provision. The proposal addressed the supplier's method for adhering to relevant legislation i.e. packaging, leftover food, include details on the segregation and recovery of packaging, waste, etc if any. No plastics to be used in any of the sites, this includes no use of a cling film type product permitted. Dinners are to be served on ceramic plates or equivalent and stainless-steel cutlery is to be provided – no plastic delph and cutlery.

Mains fed water is also reducing the use of single use plastic bottles.

KCETB intends to eliminate all single use items within the organisation from events organised or funded by KCETB.

5.5. Paper and paper-based processes

KCETB utilises the OGP framework for the provision of paper. This contract implements the green procurement targets for paper outlined within the published Climate Action Plan namely action 3.9.1 "Where paper must be procured, ensure that recycled paper is the default".

KCETB monitors paper usage on all printers within the ETB and advises centre managers on excessive usage. Equally centre managers and principals have access to the system to monitor their centre usage.

KCETB introduced a new online recruitment system in 2025 which will reduce paper usage.

5.6. Water

In recent years KCETB sites have replaced bottled water with mains fed water refill points in their schools and centres. All schools and centres are vigilant to ensure there is water conservation by monitoring their usage. Water conservation and providing suitable refill points is a key focus of our Green Teams.

5.7. Waste management

KCETB utilises the OGP waste management services framework which, as part of the All of Government Plan on Climate Action 2024, including Buying Greener: The Green Public Procurement Strategy and Action Plan 2024-2027 and giving regard to Circular

20-2019, all Government Departments are seeking to reduce the environmental impact of the goods and services that they procure.

In an effort to promote Environmental Considerations and promote KCETB awareness of any Environmental Initiatives the Contractor may have, the Contractor shall inform the KCETB of any current and new initiatives it has in place which aim to improve efficiency and lessen the environmental impacts.

In addition, the Contractor shall make available to the KCETB details of volume and types of materials collected from Client sites in an effort to raise local awareness of Waste generated at Client locations.

5.8. Organic food

As part of a new KCETB tender for the provision of school meals, where required to include organic and in-season produce **must** be highlighted on menus and available for reporting as part of your contribution towards Regulation (EU) 2018/848.

5.9. Procurement of ICT equipment

Under the Energy Efficiency Regulations (S.I. 426/2014) the following rules apply to central government contracts above the EU threshold which are used by KCETB:

- For products subject to the EU Energy Label, only products belonging to the highest energy efficiency class possible in the light of the need to ensure sufficient competition may be purchased;
- Where a product is not subject to the EU Energy Label but is covered by an Ecodesign Regulation, only products complying with the energy efficiency benchmarks in the relevant Regulation may be purchased;
- For office ICT equipment, only purchase products that comply with the minimum energy efficiency requirements under the Energy Star program;

In addition, under S.I. 646/2016 a public body shall only procure equipment which:

- is listed on the SEAI's Triple E Product Register, or
- satisfies the published SEAI energy efficiency criteria for the equipment or concerned, and the public body shall specify this requirement in any documentation describing its procurement requirements.

5.10. Digitisation of Processes

KCETB will, with the assistance of the ETBI Energy Bureau, install new energy meters on our mains incoming electrical supplies. This metering system will give us accurate up to date 15-minute data, this can be used to help support applications for funding, to prove new energy projects like pump replacements, etc.

All new major capital investment projects will utilise Building Information Modelling to achieve appropriate carbon energy ratings and sustainability standards under the auspices of the

Capital Works Management Framework. The use of BIM in all new projects is to be adapted in the near future, the carbon footprint of the materials (grey energy) can be calculated throughout the project with the information stored in each object, such as the materials used and their thicknesses, among others. These characteristics added to other thermal properties like heat capacity or thermal conductivity can then be used to create a BEM (Building Energy Modelling) model. BEM serves to control and optimise the building's energy consumption at each stage of the construction project.

5.11. Corporate and Service Plans

The KCETB 2024 Service Plan will highlight the organisation's commitment to implementing the Public Sector Climate Action Mandate Roadmap and to demonstrating leadership as required under the national Climate Action Plan 2023.

The KCETB Corporate Plan 2022-2027 is set in the context of the broad framework of Government policy, within which the Climate Action Plan is situated. The Corporate Plan refers to KCETB's commitment to delivery in respect of Climate Action and Sustainability.

Continuing alignment with the needs of CAP 2023 will be a priority for the development of the next iteration of the KCETB Corporate Plan from 2028 and annual service plans in the interim. This will include updating the PSCAM Roadmap annually, continuing support for the Climate and Sustainability Champion and Green Team(s), and alignment of capital spending with the achievement of CAP targets both for KCETB as an organisation and through its funding to other groups/agencies.

KCETB has developed a Decarbonisation Plan for two new schools to be developed as a Kilkenny schools' campus and includes the replacement of proposed fossil fuel heating systems with heat pump systems. KCETB intend to develop a programme of Decarbonisation Plans to address sustainability at all KCETB owned and leased buildings.

5.12. Low Carbon Construction Methods

KCETB are currently at pre-tender stage with a project to construct two post-primary schools on a shared site in the western environs area of Kilkenny. We are considering the use of GGBS in the construction to replace Portland cement concrete, consideration will have to be given to cost. All the carpets and ceiling tiles specified for both schools are all manufactured with high percentages of recycled material.

5.13. Resource Use

KCETB is constantly engaging with our SEAI-appointed Partnership Support Manager (PSM). to develop strategies to help us reach our energy and carbon targets for 2030 and 2050.

KCETB engaged KSN Horizon Energy Management Services to carry out energy audits at our schools, centres and administration offices. We are now using these audits and the projects identified to inform our Gap to Target.

KCETB as stated previously plan on utilising the Department of Education's Energy in Education website to engage schools and centres to introduce Green Teams. We plan to use the website for training and ideas.

KCETB have signed up for the 2025-2026 Reduce your Use campaign. We will implement this plan through our newly formed Green Teams.

6. Our Buildings and Vehicles

6.1. Vehicles

KCETB does not operate or own any fleet vehicles. We currently promote the use of alternative transport modes by installing bike park facilities at our offices and installing shower facilities in our offices to promote the use of cycling to work. We now try to locate our offices where we have access to mainline train services.

6.2. Buildings.

KCETB currently occupies both owned and leased buildings.

Decarbonisation Plans will be developed for self-owned buildings and sanction for funding to decarbonise will be sought from the relevant departments.

The two new post-primary schools which are at pre-tender stage originally were to be heated using gas fired boilers. it is now planned that they will be heated by air-to-water heat pumps. We are phasing out the use of fossil fuels in all our schools and centres. Our SWS applications for summer 2026 includes for the replacement of all existing oil-fired boilers with bivalent systems. We hope in the future when constructing new buildings only to use alternative heating sources to fossil fuels.

Appendix 1

Proposed projects

Upgrade Windows
Installation of Energy Monitoring Equipment. Ormonde College
Installation of Daylight Sensors throughout building. Abbey CC
Replace LPHW Gym heaters with electric Infrared wall mounted units. Scoil Aireagail
Upgrade heating system components to the original 1996 building areas. Coláiste Mhuire
Roof insulation installation to the orignal buildings loft areas. Coláiste Mhuire
Roof repair and insulation upgrade. Abbey CC
Upgrade BMS, to combine B1 and B2 control systems, allowing for efficient control of heating and hot water systems. Abbey CC
Roof insulation-Internal attic roof insulation, for Blocks 1,2 and 4. Duiske College
Install Kill switches, to kill local small power and overhead projectors outside of school time, Duiske College
Upgrade the heating system in the 1985 school block (exlcudes boilers & MCC). Grennan College
Roof repair and insulation upgrade. Scoil Aireagail
Roof insulation installation to the orignal buildings loft areas. Scoil Aireagail
Replace all single glazed windows with triple glazed units. (Approx 84no, Excluding Sports Hall windows) Coláiste CS
Install temperature zone control for space and water heating. CPO
Install temperature zone control for space and water heating. Gaelcholáiste C
External wall insulation for main school building. Coláiste Aindriú
Replace roof and increase insulation. Coláiste Eoin
Replace roof and increase insulation Abbey CC
Installation of external wall insulation to TM Building walls. Abbey CC
Dry Lining of Internal Walls where appropriate. Ormonde College
Replace 3 no. oil boilers with LPG condensing boilers, upgrade radiators and pipework complete with two port valves and thermostat control. Scoil Aireagail
Colaiste Cois Siuire - Oil to Bio -mass
Colaiste Eoin Oil to Bio-mass
Grennan Mill Craft School Oil to Bio-mass
Borris College- Oil to Bio-mass
Ormonde College - Install Solar PV
Grennan Mill Craft School - Install Solar PV
Grennan Equestrian - Install Solar PV
Implementation of ICT Energy Management Procedure (All sites)
Draught Stripping & Air Tightness. Ormonde College
Replace LPHW Gym heaters with electric Infrared wall mounted units. Abbey CC
Install temperature zone control for space and water heating. Gaelcholáiste C
Install cavity insulation to external walls. Gaelcholáiste C
Window Replacement. Abbey CC
Installation of external wall insulation to TM Building walls. Abbey CC
Replace LPHW Gym heaters with electric Infrared wall mounted units. Abbey CC
External wall insulation for main school building. Coláiste Aindriú
Replace LPHW Gym heaters with electric Infrared wall mounted units. Scoil Aireagail
Installation of external wall insulation to Original Building walls. Scoil Aireagail
Install radiator bypass on rad system. CPO

Install internal insulation to external walls. CPO
Replace all windows with triple glazed windows. Borris College
Replace current boiler systems with heat pump systems to provide for space & water heating . Gaelcholáiste C
LED Lighting Upgrades (All sites)
Upgrade BMS (All sites)
Dry Lining of Internal Walls. Ormonde College
Wall insulation-Cavity pumping. Borris College
Upgrade the heating system- Radiators and local controls for Original & first extension where oil is used. Borris College
Install PV panels on roof of the indoor arena to generate electrical power (25kWp system). Estimated PV panels array is 100 m2.
Install PV Array at Joinersfolly 500 kWp
Ormonde College- Install Solar PV
Install a BMS control system. Duiske College