

## Environment/Climate Action/Emergency Services/Rural Broadband



*A Winter's Tale – solid fuel burning affects air quality in county towns – see page 4*

### MANAGEMENT REPORT OF THE CHIEF EXECUTIVE TO: WESTERN COMMITTEE – JAN 2022 ENVIRONMENT/CLIMATE ACTION/EMERGENCY SERVICES/RURAL BROADBAND

<b><i>Environmental Enquiries &amp; Incident Reports. How to contact us:</i></b>		
<b>Subject</b>	<b>Email</b>	<b>Phone</b>
Civic Amenity Sites & Recycling	<a href="mailto:recycling@corkcoco.ie">recycling@corkcoco.ie</a>	<a href="tel:(021)4285518">(021) 4285518</a>
Waste & Litter complaints	<a href="mailto:antilitterunit@corkcoco.ie">antilitterunit@corkcoco.ie</a>	<a href="tel:(021)4285518">(021) 4285518</a>
Other Waste Enquiries	<a href="mailto:antilitterunit@corkcoco.ie">antilitterunit@corkcoco.ie</a>	<a href="tel:(021)4532700">(021) 4532700</a>
Water, Air, Noise, Agric, other...	<a href="mailto:environ@corkcoco.ie">environ@corkcoco.ie</a>	<a href="tel:(021)4532700">(021) 4532700</a>
Veterinary/Animal Welfare	<a href="mailto:vets@corkcoco.ie">vets@corkcoco.ie</a>	<a href="tel:(021)4285405">(021)4285405</a>
Access to Information on the Environment (AIE)	<a href="mailto:aie.requests@corkcoco.ie">aie.requests@corkcoco.ie</a>	<a href="tel:(021)4532700">(021) 4532700</a>
You can also make a range of environmental enquiries and reports via <a href="http://YourCouncil.ie">YourCouncil.ie</a>		



LOUIS DUFFY  
 DIRECTOR OF SERVICE  
 DATE: JANUARY 2022

# Environment/Climate Action/Emergency Services/Rural Broadband

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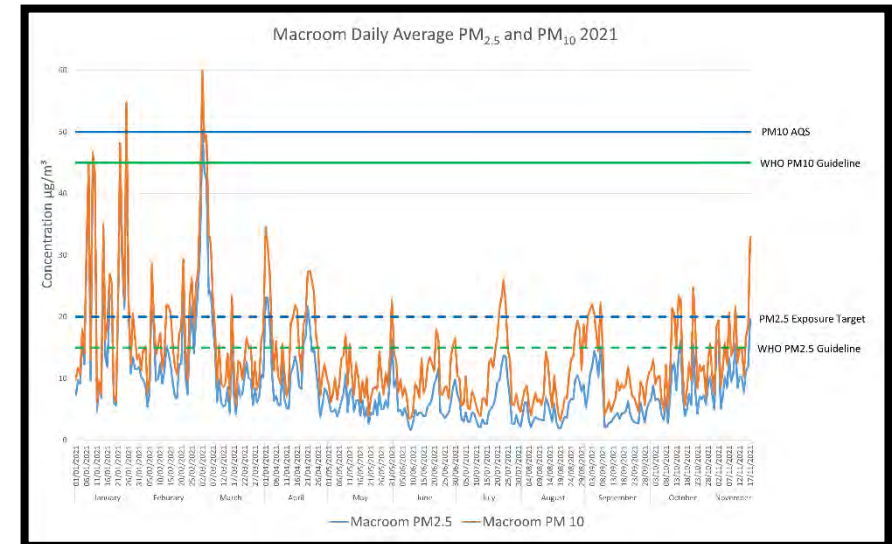
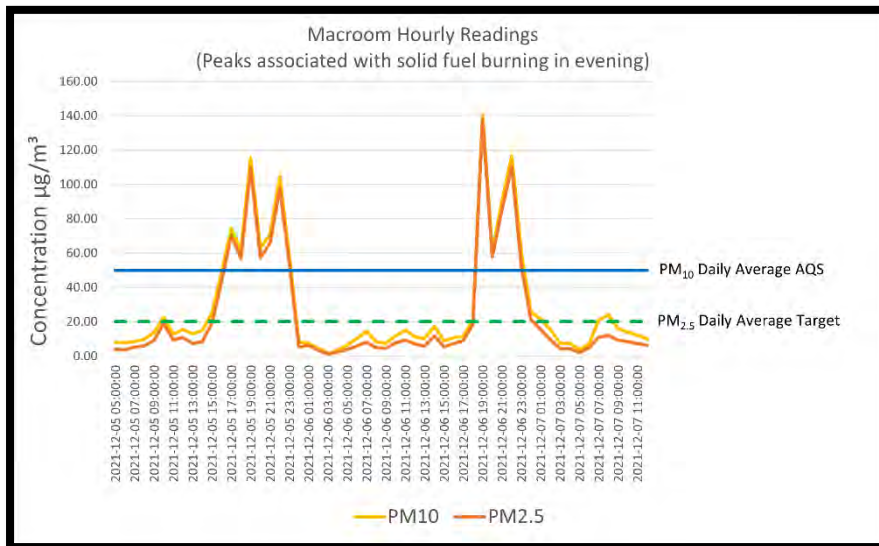
# 1. Part 1 News & Updates

## 1.1 A Winter's Tale – solid fuel burning impacts air quality in county towns

A review of data from monitors in Cobh, Macroom and Mallow shows seasonal spikes in particulate matter (PM) emissions that coincide with peak solid fuel burning months. While not breaching current statutory limits, emissions have on a number of occasions exceeded guideline World Health Organisation (WHO) limits. Using Macroom as an illustration the following graphs shows particulate emissions for 5<sup>th</sup> and 6<sup>th</sup> December last. Alan Costello, Senior Executive Scientist, Environment Directorate, who has reviewed data provided by the EPA, says you can clearly see PM increasing as people light fires and stoves in the afternoon and evening, he also says yearly emissions data for Macroom shows the most significant spikes occurring during the winter months.



The data for Macroom shows a pattern that is replicated at the other monitoring stations in Cobh and Mallow and is likely also replicated in towns across the county. However the positive impact of the 2020 smoky coal ban in Mallow and Cobh is evident, with both higher levels of PM<sub>2.5</sub> and almost twice as many daily exceedances of the WHO Average 24hr AQG for PM<sub>2.5</sub> in Macroom, compared to Mallow and Cobh. Particulate matter, especially the very tiny PM 2.5 micron particles, pose serious health risks even at very low concentrations, with an estimated 1500 premature deaths in Ireland each year attributed to air pollution, together with ongoing respiratory and other health impacts for the population at large. The growing evidence on the risk posed by particulate matter means we all need to reconsider how we heat our homes in the future.



(12\_2021\_S)

## 1.2 Be the Difference, Breathe the Difference – Heating Season Awareness Campaign

The Department of Environment Climate & Communications (DECC) are again this year supporting a local authority media campaign to coincide with peak home heating season.

New Low Smoke Zones (LSZs) came into effect last year. **Mallow** and its environs is now a Low Smoke Zone (LSZ) with existing “City” LSZ being extended eastwards to encompass **Cobh** and **Midleton** and everything in between including **Carrigtwohill**!

**There is a complete ban on the marketing, distribution, sale and burning of smoky coal in these areas.**

The following image shows the pre-existing and new LSZs.



DECC Awareness Campaign Material

An [interactive online map](#) which includes an Eircode search facility, where you can search to see whether you are within a Low Smoke Zone.

There is an increasing awareness of health risks associated with poor air quality, both indoors and out. The burning of bituminous or smoky coal releases harmful particulate matter into the atmosphere which can have a detrimental impact on human health, especially on the young, the elderly and vulnerable groups.



### 1.3 New standards for domestic solid fuels will prohibit smoky coal from 2022!

Minister for the Environment, Climate and Communications, Eamon Ryan TD, announced in late September that new standards for all domestic solid fuels that will be introduced across the State within a year.

Regulations to give effect to the new standards are being drafted with the key elements being,

- Very low smoke emissions rates will be set for coal, coal-based products and manufactured solid fuel or peat briquettes. The smoke emission rate for those solid fuels from 2022 will be required to be less than 10g/hour, reducing to 5g/hr by 2025. This will effectively prohibit the use of bituminous coal i.e smoky coal in the future.
- The sulphur content permitted for all fuels will be reduced from 2% to 1% over time
- Wood sold in single units under 2m<sup>3</sup> will be required to have a moisture content of 25% or less (moving to 20% within 4 years)
- Wet wood sold over these volumes will be required to come with instructions for the purchaser on how to dry the wood
- No ban on the burning of sod peat will be introduced. A regulatory regime to reduce its harm in more urbanised areas is under examination



Image from 2020 Awareness Campaign

(10\_2021\_W)

### 1.4 National Inspection Plan for Domestic Waste Water Treatment Systems 2022-2026

The Environmental Protection Agency has published the fourth National Inspection Plan for Domestic Wastewater Treatment Systems (DWWTS) which will cover the period 2022-2026.

#### Risk Zones & Allocation of Inspections

The 2022-2026 National Inspection Plan identifies 3 Risk Zones, (see Figure 4 below for summary of National Risk methodology). The allocation of inspections is weighted, based on the estimated percentage of unsewered residential buildings in each risk zone in each water services authority area.

##### Risk Zone 1;

- These are areas where DWWTS pose a higher risk to surface waters,
- there are estimated 6,000 residential buildings with DWWTS in these areas nationally,
  - areas that do not have public sewage mains,
  - are within 100m of water bodies where DWWTS have been identified as a pressure,
  - improvements in these areas will contribute to the river basin management plan goals.
- 2,400 inspections required nationally and
- **106 inspections required in Cork County Council area** in the period 2022-2026.

##### Risk Zone 2

- These are areas where DWWTS pose a higher risk to private wells (private wells tend to be at much higher risk of contamination than public supplies).
- there are an estimated 25,000 residential buildings with DWWTS in these areas nationally.
  - areas that do not have public sewage mains **or** public water supply,
  - areas where there is higher groundwater susceptibility to percolation of waste water pathogens into groundwater.
- 2,400 inspections required nationally and
- **446 inspections required in Cork County Council area** in the period 2022-2026.

##### Risk Zone 3

Zone 3 covers the rest of the country such as those DWWTS closest to high objective status & at-risk waterbodies or in zones of contribution to groundwater abstractions.

- 1,000 inspections required nationally.
- **105 inspections required in Cork County Council area.**

EPA – NATIONAL INSPECTION PLAN FOR DOMESTIC WASTE WATER TREATMENT SYSTEMS 2022 - 2026

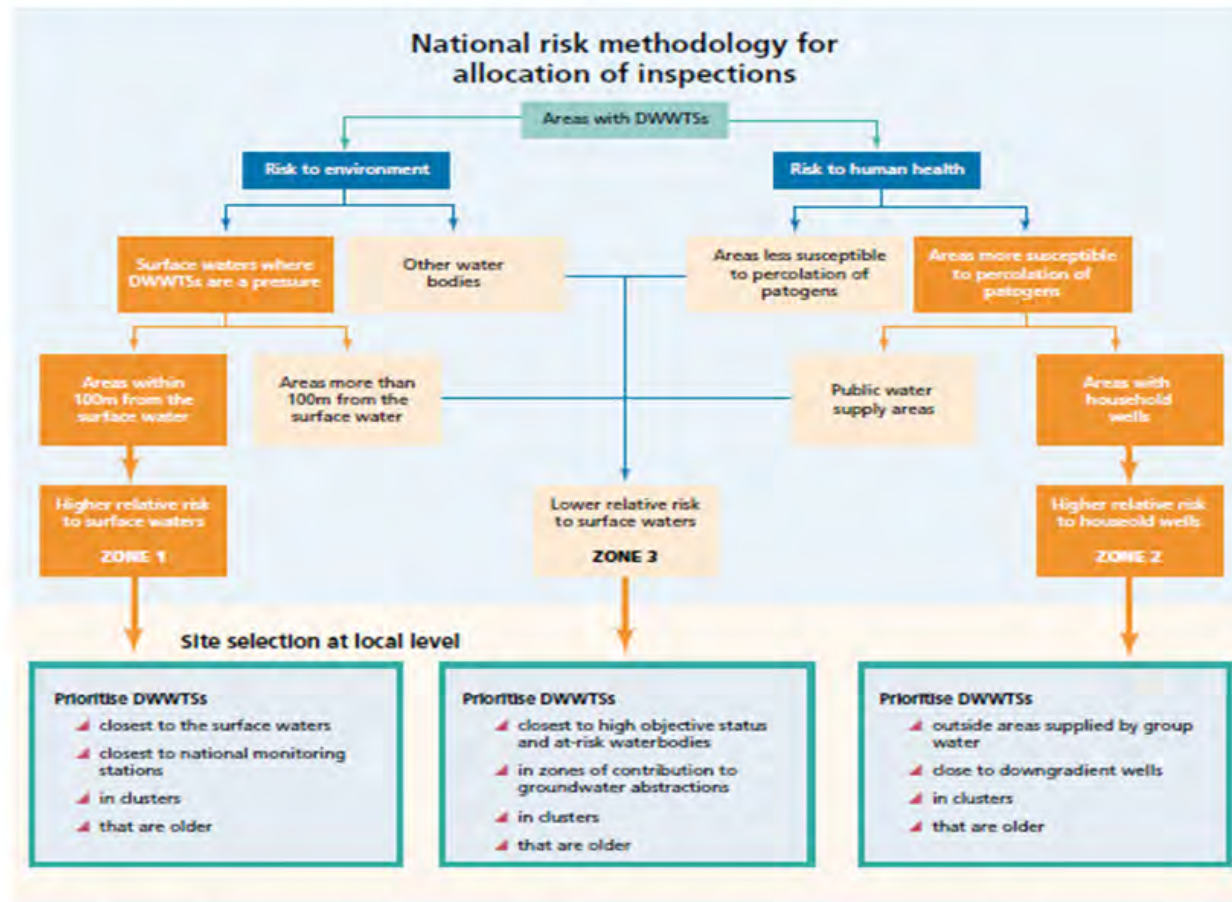


Figure 4: National risk methodology for allocation of inspections and site selection at local level

Grants are available to fix septic tank systems that fail inspection, and need remediation, repair, upgrading or replacement. For more information contact [environ@corkcoco.ie](mailto:environ@corkcoco.ie).



### 1.5 Grants available for communities to deliver water, biodiversity, and climate action initiatives

The Community Water Development Fund now open for 2022!

Your local community or voluntary group can now apply for a grant under the Community Water Development Fund 2022. This Fund helps local communities deliver projects and initiatives that enhance the local water environment, delivering multiple benefits for biodiversity and climate action. The Local Authority Waters Programme (LAWPRO) administers the Fund on behalf of the Department of Housing, Local Government and Heritage. It is open to all community and voluntary groups to apply.

LAWPRO launched the 2022 Fund at their annual 'Communities Caring for Water' conference held virtually on Saturday 20 November 2021. The conference is an annual event hosted jointly between The Rivers Trust and LAWPRO. This year, almost 300 attendees representing community groups across the whole of Ireland shared knowledge and experiences of caring for their local water environment.

Speaking at the event Sheevaun Thompson, Funding lead with LAWPRO said "since it was first launched in 2018, demand for the Community Water Development Fund has increased year on year. It is exciting to announce the fund for 2022 to support locally led community projects."

You can complete the grant application form online at [Lawaters.ie](http://Lawaters.ie). Closing date for receipt of applications is 12 noon on Tuesday, 8 February 2022. Projects should show benefits for water quality, biodiversity, and climate action.

There is a total fund of €380,000 available for 2022. Grants awarded will range from €500 to €25,000. For support with your application contact Catherine Seale-Duggan, Community Water Officer for Cork City and County.

If you experience any technical difficulties on the website, please email [funding@lawaters.ie](mailto:funding@lawaters.ie) or contact us at [Facebook.com/LAWPROteam](https://www.facebook.com/LAWPROteam).



### 1.6 Water Quality – Science Week 2021

Science Week took place from the 7th to the 14th of November this year. To mark it, the council's Water Laboratories produced a series of videos which were released daily on the Council's YouTube Channel, revealing the science behind the work that scientists and technical staff in the Council undertake. Scientists from the Council's laboratories at Inniscarra hosted Zoom calls with multiple classes from 45 Primary Schools and over 1,000 students to discuss the importance of science in day to day life and how scientific work benefits communities.

Ahead of Science Week, Mayor of the County of Cork, Cllr. Gillian Coughlan visited staff at the facility in Inniscarra, and commented:

*"The high-tech equipment and highly trained technical and scientific staff of Cork County Council's laboratory services are a huge resource for the county, ensuring our rivers, bathing waters and drinking waters are safe. It's great to see the talent of staff also going towards inspiring the next generation of scientists during Science Week. The videos being prepared are full of fun trivia and experiments to get young scientists started in this fascinating subject."*

During Science Week, Cork County Council scientists engaged online with Primary School children from all over the county, from North Cork to Bere Island with videos such as "Why the sky looks blue?" and "How do we know the earth isn't flat?". Several videos explaining the important work that staff undertake in the laboratory were also uploaded on YouTube.

Chief Executive of Cork County Council, Tim Lucey noted, *"The Council's ability to serve the community of the county depends on having excellent staff drawing from a wide range of disciplines. Council scientists and technical staff are instrumental in monitoring environmental changes that inform policy in a number of areas. We hope that many of the children participating in Science Week this year will be inspired to join us in the future to work towards a clean and safe environment in Cork County."*

Cork County Council's Water Laboratory Service is the longest continuously accredited local authority laboratory in the country, first accredited to ISO17025 standard in 1991. It is staffed by technicians, chemists and environmental scientists from varied scientific backgrounds. The laboratories play a vital role in taking and analysing thousands of drinking water samples every year at Group Water Schemes, schools, community centres, and small businesses all over the county. The staff also sample effluent discharges as well as hundreds of river monitoring points throughout the year as part of environmental monitoring programmes. They also take samples at beaches during the bathing water season to ensure good water quality, with Cork beaches awarded more Blue and Green flags combined than any other county in 2021.



Preparing for a Zoom call with students from  
Scoil Mhichil Naofa, Bere Island

(11\_2021\_N)

### 1.7 Public Consultation on the draft River Basin Management Plan for Ireland 2022-2027.

The Minister for Housing, Local Government and Heritage has published the **draft River Basin Management Plan for Ireland 2022-2027** for public consultation. The Minister now invites submissions, observations and comments on the proposed plan. The consultation period runs until **31<sup>st</sup> March 2022**.

This plan sets out the environmental improvements to be delivered during the river basin planning cycle. The plans contain water quality objectives and a programme of measures to achieve those objectives. The purpose of this consultation is to gather public and all stakeholder views on what should be in the final plan. It is essential that all sectors respond, to ensure the third-cycle plan is as good as possible. The finalised plan is due to be published in 2022.

A new strengthened River Basin Management Plan will help Ireland protect, improve and sustainably manage our water environment to 2027. Achieving good water quality in our rivers, lakes, estuaries and seas is essential for protecting Ireland's drinking water sources, environment and people's quality of life.

The Environment Directorate and the Local Authority Waters Programme (LAWPro) will make presentations on the draft plan to both the Environment Strategic Policy Committee (SPC), and to the Council's Development Committee, during the 6 month consultation phase. In addition, LAWPro plan to organise 10 in person public meetings throughout Co. Cork between November and February to introduce the draft plan and encourage public engagement in the consultation. They will also organise 3 public meetings in the Cork City area, and an online meeting which will be open to all. These meetings will be advertised on local news media.

It is recommended that you [respond by completing a short online survey](#) . This will allow you to make your comments more effectively, while helping the Department to gather and summarise responses quickly and accurately. However, if you would like to respond in another way, a consultation response template can be downloaded from the link above. Completed templates should be emailed to [rbmp@housing.gov.ie](mailto:rbmp@housing.gov.ie)

**Please note: The survey will not operate correctly using Internet Explorer. To participate in the survey you should access the link using a different browser .**

Alternatively, you can provide a response in your preferred format by post to:

RBMP Consultation, Water Advisory Unit, Department of Housing, Local Government and Heritage, Custom House, Dublin 1 D01 W6X0 Or by email to: [rbmp@housing.gov.ie](mailto:rbmp@housing.gov.ie)



### 1.8 Climate Action & Energy Programme Update

#### Energy Programme Update

##### **ISO 50001 Energy Management Surveillance Audit**

Cork County Councils Energy Management System (EnMS) is accredited to the ISO 50001 standard. Cork County Council is therefore compliant with SI 426, which is the statutory instrument that requires all large organisations to either have completed an organisational energy audit or have implemented an approved EnMS. An ISO 50001 surveillance audit was successfully completed on the 11<sup>th</sup> & 12<sup>th</sup> May. A recertification audit is scheduled for March 2022.

##### **Building Energy Audit**

The Energy & Climate Change Section have commissioned an energy audit of a broad range of council buildings including a fire station, area office, administrative office, civic amenity site, library, and a machinery yard. The results and recommendations from the audit report will provide a menu of actions to improve energy efficiency in each building. The buildings chosen are representative of the Council's building stock and outcomes of the audits will allow the cost of a broader energy efficiency upgrade programme to be estimated. The desktop study is completed as are the on-site surveys. The Consultant is currently working on the audit reports. The audit will include a commercial Building Energy Rating (BER) assessment for each building. Covid 19 together with resources changes within the Consultant's Firm has impacted on the time schedule of this project.

##### **Indoor Lighting Project**

A Consultant was appointed to carry out an indoor lighting survey at 37 locations across County Cork. The sites represent a diverse mix of building uses from fire stations to offices, libraries, and museums.

The study was commissioned to examine the current lighting systems in the 37 locations, estimate the current lighting consumption associated with same, specify potential LED options for retrofit and develop the business case for investment. The surveys took place in mid – September. The Consultant provided the Council with the key findings from the survey in November 2020 including costings.

From a purely economic perspective, it was not feasible to carry out LED retrofit works across all 37 buildings. The buildings that showed a return period of less than 10 years were identified and were part of an LED retrofit tender process which is progressing. SSIP Funding was approved for this project in October 2021. The rollout of the LED light fittings commenced on the 20<sup>th</sup> of December 2021.

##### **Energy Management Action Plans 2021**

The Climate Action Plan 2021 has set ambitious targets for the Public Sector by 2030 including:

- 50% improvement in Public Sector Energy Efficiency
- 51% reduction in CO<sub>2</sub> emissions with Green Teams in every public body
- A Sustainable Mobility Policy

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- Prohibition on new fossil fuel heating systems in public buildings after 2023
- Mandating that all new fleet purchases be electric from 2023 (where vehicle type is available)
- Targeting carbon neutrality by 2050

Individual Directorates as well as the Significant Energy Users (SEUs) submitted Energy Management Action Plans (EMAP) for 2021. 46 nr. actions were submitted and are at various stages of progress. A call for new energy actions for each Directorate for 2022 is underway with an EMAP meeting scheduled for the 28<sup>th</sup> of January 2022.

### Climate Action Update

#### Coffee / Lunch with Climate:

5 diverse Climate talks were organised by the Climate Unit for staff/ elected members in 2021 with a total attendance of 393.

The Unit is currently working on a new series for 2022 from the suggested areas as set out in the graphic.



#### Older People/ Climate Book:

A book of climate stories, submitted by the older people in our community, entitled 'Voices of Experience' will be released in the New Year along with a press release.

#### Software System

The Climate Section is working with the Corporate Section of the Council to develop a software system that would monitor the progress being made on the actions attached to Cork County Council's Climate Adaptation Strategy. A first draft of the software has been presented to the DOS Climate Team and work is now progressing with the reporting function of the software.

#### **Cork County Council Climate Adaptation**

Cork County Council adopted its first Climate Adaptation Strategy in 2019. This Strategy set out an extensive list of actions, under seven high level goals as listed below that are required to build resilience in its service delivery in the face of ever-increasing Climate Impacts:

- Local Adaptation Governance and Business Operations



## Environment/Climate Action/Emergency Services/Rural Broadband

- Infrastructure and Built Environment
- Land use and Development
- Drainage and Flood Management
- Natural Resources and Cultural Infrastructure
- Community, Health & Wellbeing
- Other Sectors & Agencies

A report on the progress for the second year was submitted to the Department of the Environment, Climate and Communications in October 2021. This work will continue and grow through 2022.

*The Climate Action & Low Carbon Development (Amendment) Act 2021 will require the Council to make a Local Authority Climate Action Plan which will specify the mitigation measures and adaptation measures to be adopted by the local authority.*

### **Carbon Budgets**

The Climate Change Advisory Council published the Country's first proposed carbon budgets on the 25<sup>th</sup> of October 2021. The Council's budgets outline a national ceiling for the total amount of emissions that can be released. The first carbon budget, which will run from 2021 to 2025, will see emissions reduce by 4.8 per cent on average each year for five years. The second budget, which will run from 2026 to 2030, will see emissions reduce by 8.3 per cent on average each year for five years.

The carbon budgets are part of a roadmap of actions that are set out in the Climate Action and Low Carbon Development (Amendment) Act 2021. The Act, which was signed into law in July 2021, commits Ireland to reach a legally-binding target of net-zero emissions no later than 2050, and a cut of 51% by 2030 (compared to 2018 levels).

The proposed carbon budgets are with Government and will go to the Oireachtas. The Oireachtas will be tasked with reviewing and approving these carbon budgets within a 4-month period. Once these overall, economy-wide carbon budgets are approved, the Government will divide the overall carbon budgets into sectoral emissions ceilings. By way of information a description of what a carbon budget and sectoral emission ceiling is are provided below:

### **What is a carbon budget?**

The Climate Action and Low Carbon Development (Amendment) Act 2021 established a system of carbon budgeting with three 5-year economy-wide budgets included in each carbon budget programme. Each carbon budget represents the total amount of greenhouse gases that may be emitted in the State during each 5-year period, measured in tonnes of carbon dioxide equivalent. The carbon budgets will be consistent with furthering the achievement of the national climate objective and include all greenhouse gases. The first carbon budget programme will comprise carbon budgets for the following periods: 2021-2025; 2026-2030 and 2031-2035, with the carbon budget for 2031-2035 being provisional.

### **What is a sectoral emissions ceiling?**

A sectoral emissions ceiling is the maximum amount of greenhouse gas emissions that are permitted in a sector of the economy during each 5-year carbon budget. The Minister for the Environment, Climate and Communications, in consultation with other relevant Ministers, will develop a sectoral emissions ceiling for each relevant sector within each 5-year budget, once the overall carbon budget has been adopted.

### **Climate Action Plan 2021**

The Government launched Climate Action Plan 2021 on the 4<sup>th</sup> of November 2021, an ambitious plan to put Ireland on a more sustainable path, cutting emissions, creating a cleaner, greener economy and society and protecting society from the devastating consequences of climate change.

The Climate Action Plan follows the Climate Act 2021, which commits Ireland to a legally binding target of net-zero greenhouse gas emissions no later than 2050, and a reduction of 51% by 2030. These targets are a key pillar of the Programme for Government.

This is a huge opportunity to create new jobs and grow businesses in areas like offshore wind, cutting-edge agriculture, or retrofitting, making homes warmer and safer. It makes Ireland one of the most ambitious countries in the world on climate.

The plan sets out indicative ranges of emissions reductions for each sector of the economy. It also sets out the actions needed to deliver on our climate targets.

The government is committed to support the changes through major public investment announced recently in the €165bn National Development Plan, including increased funding for retrofitting homes, building new public transport, reskilling workers and supporting a just transition.

On December 14<sup>th</sup> 2021, the Government published its Annex of Actions to support the delivery of the Climate Action Plan 2021. The Annex of Actions will be used to drive continued delivery of climate action across all Government Departments and bodies including Local Authorities.

(01\_2022\_W)

## 1.9 Community Environmental Awareness Programmes

### Green Schools – Case Study

Scoil an Chroí Ro Naofa in Castletownbere are working on the Green Flag for Global Citizenship Litter and Waste. As part of their work on citizenship, they examined the importance of local citizenship in their town and identified volunteers in their local community that make a difference. One group that are very important to the school are the volunteers in the RNLI. Senior classes organised a Reindeer Run to fundraise for them. This year, the school also supported a used clothing collection by the local Ladies Football Club, the annual Shoebox appeal organised by Team Hope and homemade Christmas Decorations in aid of St. Vincent De Paul. Rang 1 are taking part in the anti-litter programme Picker Pals. Each week the children take it in turns to take the litter pack home and lead their family on a litter picking adventure in their local area. The children have learned that their actions can impact positively on global issues.



### School Water Refill Station Competition

In 2020 the council's environmental awareness team ran a Schools Drinking Water Refill Station Competition and subsequently awarded 16 schools a drinking water refill station. At the time the top 5 scoring schools in each of the divisions were selected as winners. In the Southern Division we had two schools tied in 5<sup>th</sup> place bringing the total number of winners to 16.



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The level of interest from schools was very high with **105** applications received in total including **30** from the North, **39** from the South and **36** from the West. Applications were assessed, by divisional area, based on the following criteria:

- demonstration of need
- potential to reduce single use plastics
- previous environmental measures implemented by the school
- commitment to raise awareness about the initiative in the school and in the community

Given the significant interest from schools in the competition and the quality of applications received we decided to award an additional 15 winners in 2021, i.e. five per Division as outlined below.

Division	Municipal District	Name of School	Address 1	Address 2
West	Bandon Kinsale MD	Kilbrittain NS	Kilbrittain	Bandon
West	West Cork MD	Schull Community College	Colla Road	Schull
West	West Cork MD	Ahiohill National School	Ahiohill	Enniskeane
West	West Cork MD	Scoil na mBuachailli	O Rahilly Street	Clonakilty
West	Bandon Kinsale MD	Kinsale Community School	Ballincubby	Kinsale
South	Carrigaline MD	Scoil Bhríde, Crosshaven	Crosshaven	Crosshaven
South	Macroom MD	Berrings National School	Berrings	Berrings
South	Cobh MD	Carrigtwohill Community College	Unit A2	Fota Business Park, Carrigtwohill
South	East Cork MD	Scoil Íosagáin	Upper Aghada	Midleton
South	East Cork MD	St. Colman's N.S	Spital	Cloyne
North	Fermoy MD	Castletownroche National School	Close Road, Castletownroche,	Mallow
North	Kanturk Mallow MD	St Mary's Secondary School	Charleville	Cork
North	Kanturk Mallow MD	Analeentha NS	Mourneabbey	Mallow
North	Kanturk Mallow MD	Davis College	Summerhill	Mallow
North	Fermoy MD	Scoil Mhuire Ballyhooly	Ballyhooly	Co. Cork

### **Environmental Themed School Workshops**

Cork County Council are currently funding a number of school workshops as part of our commitment to support schools on their Green Schools journey.



- **Leave No Trace Ireland** are now offering schools in County Cork an opportunity to participate in a live online workshop. The workshops will empower students to make the right decisions in the outdoors and give them the tools to tackle issues in their local community. Leave No Trace Ireland education is closely aligned to the national curriculum and these workshops are aligned with both the Litter and Waste and the Global Citizenship-Litter and Waste Green School Themes. The programme aims to facilitate children's learning by inspiring respect for and raising awareness of their natural environment. Schools interested in booking a 40 minute interactive session online should email [training@leavenotraceireland.org](mailto:training@leavenotraceireland.org)
- **Ditch the Disposables** is an online workshop for secondary schools' addressing our throw away culture and the impact this has on both environmental pollution and climate change. Delivered by Voice Ireland, the workshop aims to provide teens with simple actions they can take within their own lives to reduce their consumption of disposables. Ditch the Disposables can be delivered via Zoom or in person, is 40 minutes long and is suitable for all year groups. Schools should contact [abi@voiceireland.org](mailto:abi@voiceireland.org) to request a workshop.
- **No Plastic. Period. Workshop** is also delivered by Voice Ireland with the aim of tackling the huge environmental impact of disposable menstrual items by raising awareness of reusable alternatives. Menstrual items are the 5th most commonly littered product found on European beaches and a significant source of single use plastic, with a standard menstrual pad containing 90% plastic. No Plastic. Period. is an engaging and empowering workshop, which will address the themes of plastic waste, disposable and reusable menstrual items and promote awareness and increase knowledge on this important issue. This workshop is 40 minutes long and can be delivered via zoom or in person. It is suitable for all year groups and may fit well within an SPHE class. Schools should contact [abi@voiceireland.org](mailto:abi@voiceireland.org) to request a workshop.

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### **1.10 Community Smoke Alarm Scheme**

Cork County Fire Service continue to run the Community Smoke Alarm Scheme, providing free smoke alarms to elderly and vulnerable households throughout the county. The scheme is supported by the National Directorate for Fire and Emergency Management (NDFEM).

The importance of having a working smoke detector fitted cannot be over emphasised. Most deaths caused by house fires can be prevented if a working smoke alarm is installed.

Statistics show that 20% of households do not have a working smoke alarm. Working Smoke alarms can save lives!

Cork County Fire Service will provide local Community Groups/Organisations with 10 year battery operated smoke alarms for distribution and installation in elderly and vulnerable resident's dwellings. These smoke alarms are only available to individuals through local Community Groups/Organisations. Representatives of such group who want further information on this scheme can contact Cork County Fire Service at [fireinfo@corkcoco.ie](mailto:fireinfo@corkcoco.ie) for details and application forms.



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### 1.11 Major Emergency Management (MEM) Update

#### COMAH Sites

A live Exercise to test the External Emergency Plan for MarinoChem Cobh took place on 3<sup>rd</sup> November 2021. This exercise was attended by representatives from An Garda Síochána, Health Service Executive, Cork County Fire Service, Port of Cork and personnel from the Facility.



Emergency Services participating in Live Inter-Agency at MarinoChem Cobh

#### Inter-Agency Activities

Site familiarisation visits took place at Hovione Ringaskiddy and ESB Power Plant Aghada during the month of November 2021. These visits were attended by representatives from An Garda Síochána, Health Service Executive, Port of Cork, Cork County Fire Service and Cork County Council.

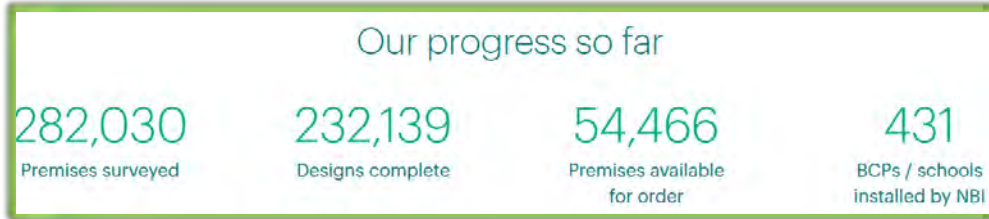
#### Inter-Agency Training

Members of Cork County Council attended Inter-Agency MEM Introductory Training in the Hydra Facility in Clonmel Fire Station along with members of An Garda Síochána, Health Service Executive, Kerry County Council and Cork City Council.

### 1.12 National Broadband Plan (NBP)-update Fibre Roll-out

#### Fibre Roll-out

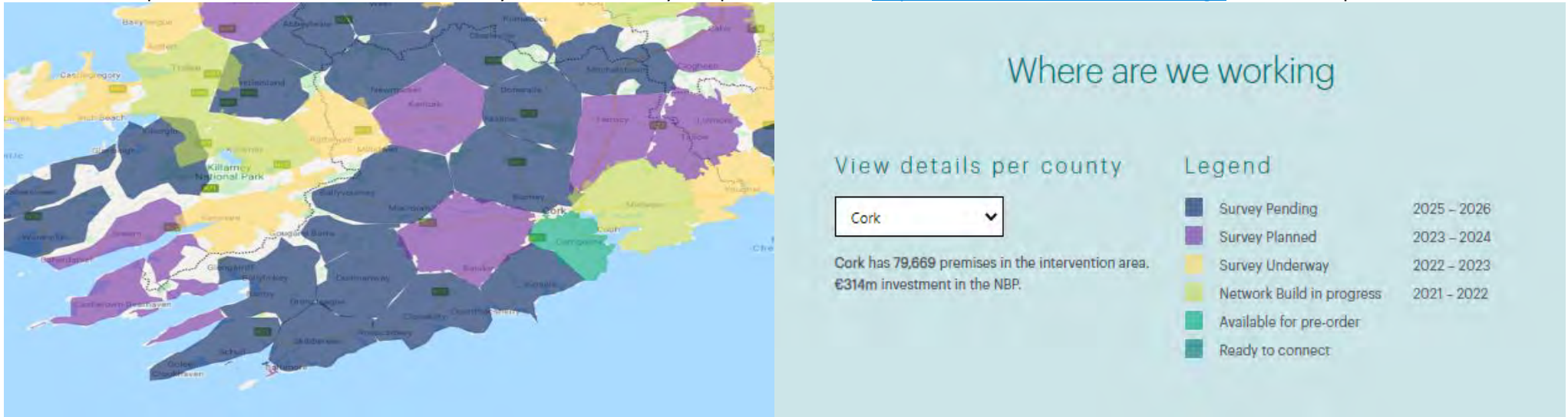
NBI rely on their website at <https://nbi.ie/> to provide information on the roll-out of the National Broadband Contract and latest national progress is reported as:



The website does not provide progress at a county level or at the level of Deployment Areas. Approx. 67,000 premises across Cork County will benefit from access to high speed broadband constructed as part of the National Broadband Contract.

NBI are presently working in the Carrigaline, Midleton, Youghal and Rathmore (extends into Cork County) Deployment Areas.

An overview of planned NBI broadband roll-out activity across the county is captured from the <https://nbi.ie/where-are-we-working/> website and presented below.



NBI continue to operate a dedicated e-mail service at [reps@nbi.ie](mailto:reps@nbi.ie) for Elected Representative queries and news items are published at <https://nbi.ie/news/latest/>. NBI advise of issuing news items direct to relevant Elected Representatives.

## Environment/Climate Action/Emergency Services/Rural Broadband

NBI awareness campaigns continue with outdoor signage, social media and leaflet drops targeted at active areas of deployment. NBI have a number of mobile publicity kiosks travelling throughout the country and such kiosks operated in Carrigaline, Middleton and Youghal.

In May 2021, the Department approved NBI's Remedial Plan for 2021 to reflect revised targets for the year taking into account delays encountered due to the pandemic and challenges around programme ramp up and network rollout. The updated contracted target under this plan is almost 60,000 premises passed by the end of December 2021. The website is updated to reflect the agreed Remedial Plan measures.

### ***Broadband Connection Points***

A total of 21 BCP's are now completed across the county and are operational, subject to Covid-19 restrictions. Remote working is being accommodated at BCP's.

The council continues to support the activation of Broadband Connection Points (BCPs). Many of the BCP's are now benefitting from Town and Village funding support and availing of grant funding to purchase furniture and fittings to enhance remote working opportunities.

The BCP's that are now operational are categorized by MD as follows:

- Bandon-Kinsale MD
  - Clogagh Community Hall and Riverstick Community Centre
- Cobh MD
  - Whitechurch Community Centre
- Fermoy MD
  - Ballindangan Community Centre, T.O Park Community & Sports Centre and Castlelyons Community Centre
- Kanturk-Mallow MD
  - Glash School Community Centre, Laharn Heritage Centre and The Old Schoolhouse, Dromina
- Macroom MD
  - Aghabullogue Community Centre, Aubane Community Centre, Ballydaly Community Hall, Courtbrack Community Centre and Ionadh Áise, Renaniree
- East Cork MD
  - Inch Community Centre
- West Cork MD
  - Bere Island Heritage Centre, Castletownkenneigh Community Centre, Coláiste Phobal Cléire, Lisavaird Community Centre, Mealagh Valley Community Centre and Sherkin Island Community Hall

## Environment/Climate Action/Emergency Services/Rural Broadband

NBI are working towards all remaining BCP's being operational by end of 1<sup>st</sup> quarter of 2022. The list and status of remaining BCP's is set out in the table below.

BCP Name	Division	Cork MD	Present Status	Hand Over Date	Availed of T&V Funding
The Old Mill, Castletownroche	North	Fermoy MD	Line of Sight Surveying Completed.		N/A
Caheragh Community Centre	West	West Cork MD	Installation Planned 17/12/'21		N/A
Glengarriff Community Centre	West	West Cork MD	Awaiting Commencement Date		N/A

### **WiFi4EU**

Under the WiFi4EU initiative, the European Commission wishes to promote free Wi-Fi connectivity for citizens and visitors in public spaces such as parks, squares, public building, libraries, health centres, and museums across Europe through the installation of state-of-the-art Wi-Fi equipment in the centres of community life.

County Council secured 4 vouchers under the WiFi4EU award procedures and each of these vouchers supports EU funded infrastructural investment. There is an additional commitment from the Irish Government to match fund the EU investment. Accordingly, the combined EU and Irish Government grant associated with the WiFi4EU scheme is up to a maximum of €120,000.

Cork County Council is presently scoping a project to ensure full utilisation of the available funding across the entire county. To-date associated surveys have been undertaken in Bantry, Cobh, Midleton, Mitchelstown, Fermoy, Camden-Fort Meagher, Charleville and Bandon to assess opportunities at these locations for deployment of wifi access points. Additional survey requirements will be determined on an ongoing basis.

It is a condition for the drawdown of funding by Cork County Council that all infrastructure is operational, and other rules of the initiative are fully observed by August 2022.

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## 2. Part 2 Work Programme Reports for Q4 2021

(DATA IS UP TO THE END OF Q4 UNLESS OTHERWISE STATED)

### 2.1 Fire & Building Control

#### 2.1.1 Fire Operations

Fire Operations				
	Q1	Q2	Q3	Q4
<b>Total number of turnouts to fires</b>	295	275	312	Q4 year end data not yet available
Average of turnout times	04:35mins	04:48mins	04:41mins	
Average of response times	14:39mins	14:33mins	14:05mins	
% of calls with a response time of less than 10 minutes	32.57%	40.33%	38.15%	
% of calls with a response time of between 10 and 20 minutes	46.36%	41.98%	43.33%	
% of calls with a response time greater than 20 minutes	21.07%	17.69%	18.52%	
<b>Total number of turnouts to non-fire emergencies</b>	177	193	282	Q4 year end data not yet available
Average of turnout times	04:49mins	04:56mins	04:43mins	
Average of response times	14:38mins	12:55mins	12:59mins	
% of calls with a response time of less than 10 minutes	35.98%	39.66%	42.42%	
% of calls with a response time of less than 20 minutes	48.17%	51.40%	44.32%	
% of calls with a response time greater than 20 minutes	15.85%	8.94%	13.26%	

#### 2.1.2 Fire Safety Certificates(FSC)/Commencement Notices/Disability Access Certificates(DAC)

**Number of Fire Certificates** received and Decided (Granted, Granted with conditions or Refused during the quarter)

**Includes:** Fire safety Certificates, Revised Fire Safety Certificates and Regularisation Certificates

Fire Safety Certificates (FSC)		
Month	No. Fire Certificates received	No. Fire Certificates decided
Jan-21	16	29
Feb-21	16	12
Mar-21	30	19
<b>Q1 Total</b>	<b>62</b>	<b>60</b>
Apr-21	33	13



## Environment/Climate Action/Emergency Services/Rural Broadband

Fire Safety Certificates (FSC)		
Month	No. Fire Certificates received	No. Fire Certificates decided
May-21	41	29
Jun-21	37	33
<b>Q2 Total</b>	<b>111</b>	<b>75</b>
Jul-21	35	38
Aug-21	26	34
Sep-21	23	18
<b>Q3 Total</b>	<b>84</b>	<b>90</b>
Oct-21	16	24
Nov-21	36	17
Dec-21	23	22
<b>Q4 Total</b>	<b>75</b>	<b>63</b>
<b>Ytd Total</b>	<b>332</b>	<b>288</b>

Commencement Notices	
Number of Valid Commencement Notices and 7 Day Notices received during the quarter.	
Month	No. of Commencement Notices and 7 Day Notices made valid
Jan-21	72
Feb-21	122
Mar-21	227
<b>Q1 Total</b>	<b>421</b>
Apr-21	158
May-21	147
Jun-21	132
<b>Q2 Total</b>	<b>437</b>
Jul-21	105
Aug-21	117

## Environment/Climate Action/Emergency Services/Rural Broadband

Sep-21	125
<b>Q3 Total</b>	<b>347</b>
Oct-21	103
Nov-21	80
Dec-21	54
<b>Q4 Total</b>	<b>237</b>
<b>Ytd Total</b>	<b>1442</b>

### Disability Access Certificates (DAC)

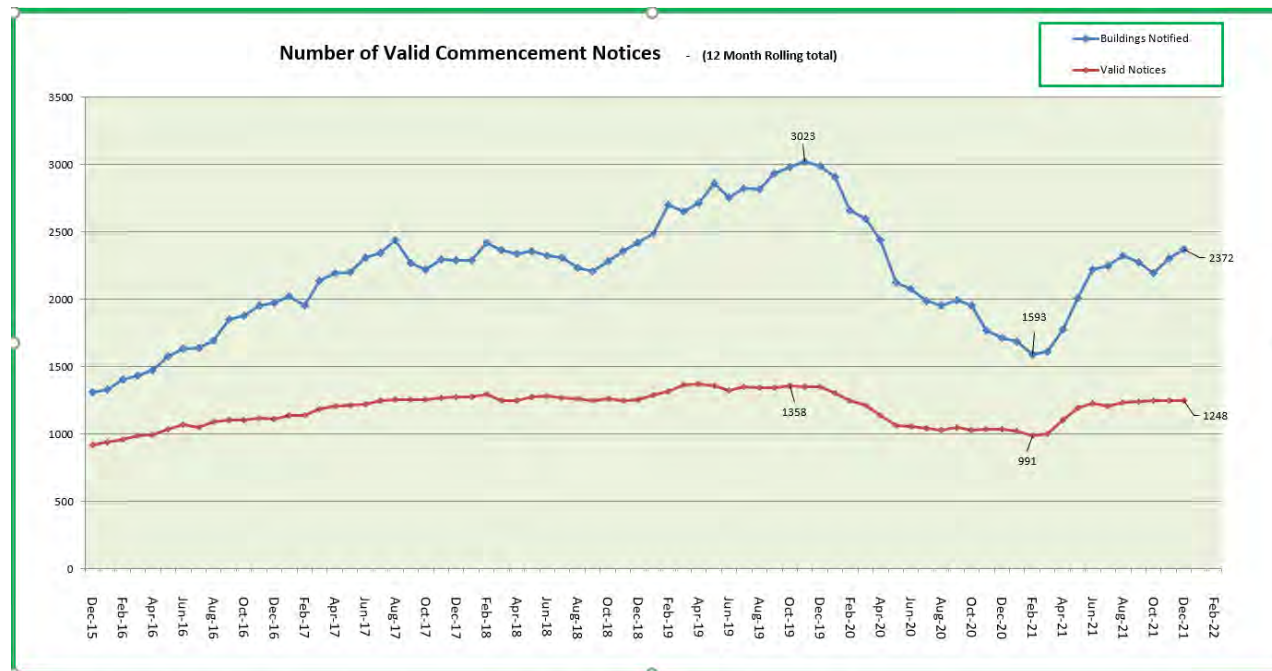
Number of Access Certificates received and Decided (granted, Granted with conditions or Refused during the quarter)

*Includes: Disability Access Certificates and Revised Disability Access Certificates.*

Month	No. Access Certificates received	No. Access Certificates decided
Jan-21	13	13
Feb-21	12	13
Mar-21	23	15
<b>Q1 Total</b>	<b>48</b>	<b>41</b>
Apr-21	19	15
May-21	26	17
Jun-21	25	26
<b>Q2 Total</b>	<b>70</b>	<b>58</b>
Jul-21	23	22
Aug-21	13	25
Sep-21	23	17
<b>Q3 Total</b>	<b>59</b>	<b>64</b>

## Environment/Climate Action/Emergency Services/Rural Broadband

Oct-21	15	18
Nov-21	23	21
Dec-21	18	8
<b>Q4 Total</b>	<b>56</b>	<b>47</b>
<b>Ytd Total</b>	<b>233</b>	<b>210</b>



# Environment/Climate Action/Emergency Services/Rural Broadband

Buildings - Per Month							
	2015	2016	2017	2018	2019	2020	2021
January	62	87	133	134	200	115	88
February	98	169	106	234	448	204	110
March	89	120	300	245	200	136	151
April	139	176	232	205	265	111	277
May	97	201	209	235	376	59	292
June	118	174	284	250	151	106	318
July	168	176	208	195	262	170	200
August	111	168	266	189	181	149	226
September	152	305	132	103	221	258	205
October	138	170	124	197	245	205	128
November	66	139	211	287	329	144	252
December	69	89	82	145	111	57	125
<b>Total</b>	<b>1,307</b>	<b>1,974</b>	<b>2,287</b>	<b>2,419</b>	<b>2,989</b>	<b>1,714</b>	<b>2,372</b>

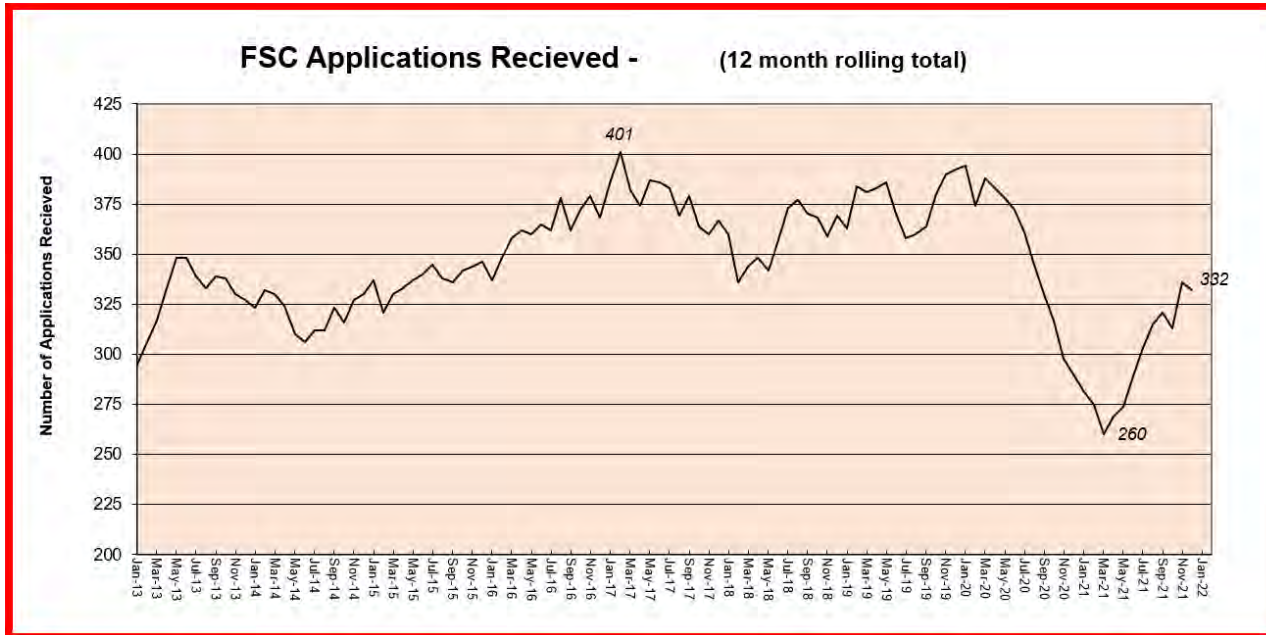
  

Buildings - Per Quarter							
	2015	2016	2017	2018	2019	2020	2021
Quarter 1	249	376	539	613	848	455	349
Quarter 2	354	551	725	690	792	276	887
Quarter 3	431	649	606	487	664	577	631
Quarter 4	273	398	417	629	685	406	505

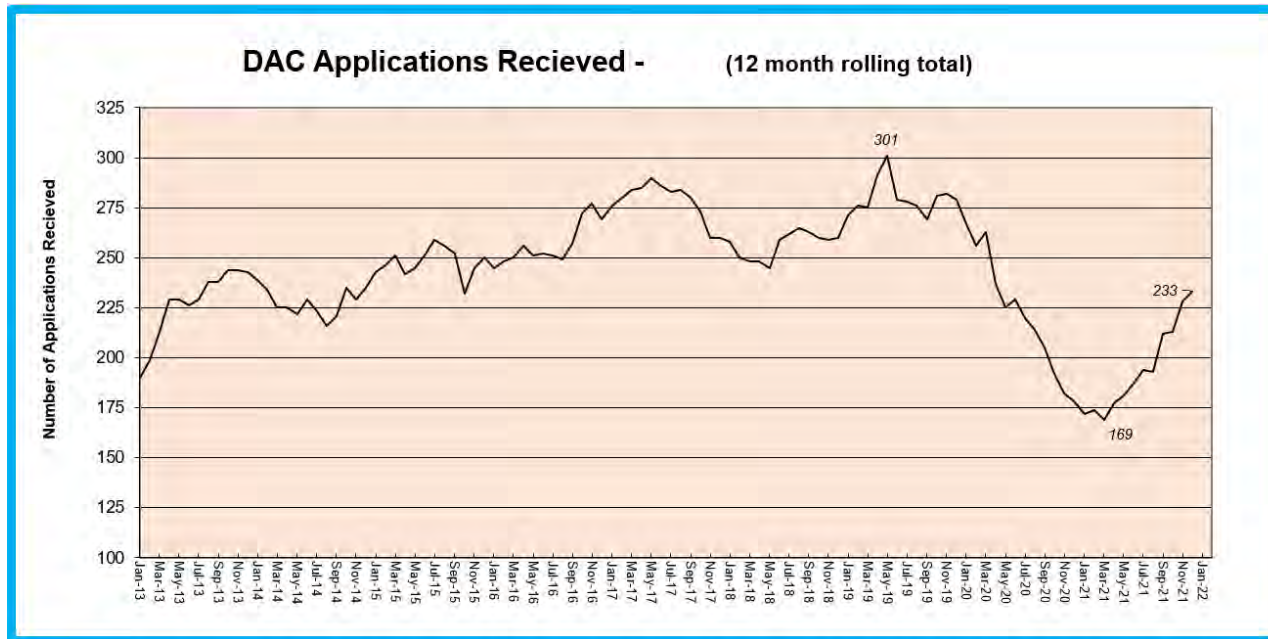
Notices - Submitted Per Month							
	2015	2016	2017	2018	2019	2020	2021
January	50	70	94	93	128	82	72
February	67	91	90	110	137	83	50
March	63	88	136	88	133	96	105
April	87	95	117	120	126	54	158
May	74	111	117	146	137	59	147
June	86	121	130	134	101	95	132
July	121	99	127	112	138	124	105
August	70	111	116	112	104	90	117
September	88	106	106	91	93	119	125
October	102	98	95	112	123	98	103
November	66	81	95	81	73	82	80
December	46	43	52	57	55	52	54
<b>Total</b>	<b>920</b>	<b>1,114</b>	<b>1,275</b>	<b>1,256</b>	<b>1,348</b>	<b>1,034</b>	<b>1,248</b>

Notices - Submitted Per Quarter							
	2015	2016	2017	2018	2019	2020	2021
Quarter 1	180	249	320	291	398	261	227
Quarter 2	247	327	364	400	364	208	437
Quarter 3	279	316	349	315	335	333	347
Quarter 4	214	222	242	250	251	232	237



# Environment/Climate Action/Emergency Services/Rural Broadband





### 2.2 Civil Defence

The following provides detail on both the operational and training activities of Civil Defence groups over the past 3 months.

#### Total Cork West Civil Defence Volunteer Hours for Operational Activities

##### October 2021 = 210 hrs.

The following operational activities have been completed throughout the month of October 2021:

- 1 x Medical Cover for Charity Cycle.
- 1 x Medical Cover for Community Threshing Event.
- 1 x Medical Cover for 5km Road Race.
- 1 x Medical Support/Civil Defence Boat/Communications support/Logistical support to Skibbereen Charity Adventure Race.
- 4 x Days support to IBTS



2021 Skibbereen Charity Adventure Race (SCAR).

##### November 2021

The following operational activities have been completed throughout the month of November 2021:

#### Boat Survey

The Marine Survey Office conducted a survey on Cork West's Excalibur RIB. They have awarded this boat a Commercial P3 passenger licence.

#### West Cork Talks

Cork West hosted an event for volunteers and members of the emergency services in Skibbereen on Friday 12th Nov 2021. We had 3 guest speakers:

1. Ms Kate Mulkerrins, Executive Director of Legal in An Garda Síochána,
2. Chief Superintendent Alan McGovern, Crime Legal, An Garda Síochána,
3. Lieutenant Colonel Niall Buckley, Irish Air Corps.

## Environment/Climate Action/Emergency Services/Rural Broadband

The main theme of the event was Leadership, Teamwork, Communication and Decision Making Under Pressure.

### **December 2021**

The following operational activities have been completed throughout the month of December 2021:

#### **Missing Person Search Operation Dec 15<sup>th</sup> to 17<sup>th</sup>**

3 day search in Baltimore from Dec 15<sup>th</sup> – 17<sup>th</sup>

Cork West drone unit, boat crew, search teams and search management all deployed.

Missing person recovered by divers on Dec 17<sup>th</sup>.

#### **Storm Barra Severe Weather Response Dec 5<sup>th</sup> & 6<sup>th</sup>**

VES Severe Weather Resilience Desk operational at Cork West CD HQ in Skibbereen

8 Civil Defence personnel and 4 vehicles available on standby for emergency transport tasks

Tasked to transport a clinical nurse specialist to deliver painkilling medication to a palliative care patient in Bantry

#### **Total Cork Northeast Civil Defence Volunteer Hours for Operational Activities**

**October 2021 = 158 hrs**

The following operational activities have been completed throughout the month of October 2021:

- 5 x IBTS Clinic Mitchelstown and Charleville
- Missing person search Fermoy
- Missing person search Kildorrey

## Environment/Climate Action/Emergency Services/Rural Broadband

### November 2021 = 134 hrs

The following operational activities have been completed throughout the month of November 2021:

- IBTS Clinic Charleville and Corrin Fermoy 3 days -12 vol for 5 hours each
- Missing person search Glanmire – 5 volunteers for 1 hours each stood down on route
- Missing person search Killavullen – 14 Volunteers for 1 hours each stood down on route
- Transported Elderly person for Booster Vaccination in the Mallow Area.
- Buttevant Ac 5 mile Road Race Ambulance Cover
- 19<sup>th</sup> Nov missing persons Nagle Mountains,
- 21<sup>st</sup> Missing person Glanmire,

### December 2021 = 423 hrs

The following operational activities have been completed throughout the month of December 2021:

- IBTS Clinic Mallow 4 days -16 vol for 5 hours each
- Missing person search and Recovery 12 Volunteers for 13 Hours each
- 2 Days HSE POP up vaccination centre Mallow Primary health care centre 6 volunteers 8 hours each
- Doctors surgery vaccination centre Red house surgery 2 volunteers for 4 hours each
- Collect pension for elderly person -1 vol for 1 hour
- Deliver Christmas hampers to Staff working in ICU units on Christmas day donated by Heroes Aid Nationally 3 vol for 1 hour
- 15<sup>th</sup> Missing person in Carrigaline
- Christmas Concert and Family day in Mallow Castle Ambulance First Aid Cover 5 volunteers for 5 hours each
- Attended 30 year old memorial in Buttevant for EX Civil Defence Member who died during duty out foreign in the army. 4 volunteers for 2 hours each



Deliver Christmas hampers to Staff working in ICU units on Christmas day donated by Heroes Aid Nationally

**Total Cork West Civil Defence Volunteer Hours Training**

Training Completed in October

**Ongoing Training:**

1. Emergency Medical Technician (EMT) Course: 3 x Students.

**Completed Training:**

1. CFR Advanced Responder Recertification: 4 x EMT Students.

### Training Completed in November

#### Ongoing Training

1. Emergency Medical Technician (EMT) Course: 3 x Students.

#### Completed Training

1. Rescue 3 Swiftwater and Flood First Responder Training provided to Cork Northeast volunteers: 7 x Students.

### Training completed in December

#### Ongoing Training

Emergency Medical Technician (EMT) Course: 3 x Students.

Civil Defence and LA induction training brief for 9 new volunteers conducted on Dec 9<sup>th</sup>.

### **Total Cork Northeast Civil Defence Volunteer Hours Training**

#### **October 2021**

- Map x Users Monthly refresher training evening for operators – 4 Students and Instructor for 2 hours each = 8hrs.
- Level 2 Radio Communications course for 8 Students for 6 hours each.
- 1 Volunteer commenced Swift Water Technician Instructors course 4 days Galway and 4 Days Wicklow
- Garda Search dog work shop for missing person searches in Cork City HQ 18 volunteers for 2.5 Hours each
- Multi Skill weekly training for all volunteers on every Wednesday evening. 19.30/2130 12 to 15 Volunteers normally.
- EFR course on a weekly basis 2 Hours each night. 9 students
- Pump Drill monthly training began for 14 Students with local Fire Service station officer.
- EMT New students course began existing EMT sitting on course for refresher



Rescue 3 Swiftwater and Flood First Responder Training provided to Cork Northeast volunteers



### Members of Cork Northeast Civil Defence Boat training

#### November 2021

- 5 Volunteers Completed People Moving Course.
- EFR Instructor attended Civil Defence college Roscrea to assess on EFR Exams.
- 4 Volunteers Marine band VHF Course on line- ongoing to be completed in January 2022 due to COVID.
- 1 Volunteer commenced Swift Water Technician instructor course ongoing.
- 15 Volunteers Completed Severe weather off road 4x4 Training Course.
- Multi Skill weekly training for all volunteers on every Wednesday evening. 19.30/2130 12 to 15 Volunteers normally.
- EFR course on a weekly basis 2 Hours each night. 9 students.
- Pump Drill monthly training began for 14 Students with local Fire Service station officer.
- EMT New students course ongoing existing EMT sitting on course for refresher.
- VHF course Kinsale
- 28<sup>th</sup> Extreme weather training Kilworth Camp,
- 20<sup>th</sup> Swift Water Course Skibbereen,





Severe weather off road 4x4 T raining Course Cork Northeast

#### December 2021

- 1 Volunteer commenced Swift Water Technician instructor course ongoing.
- Multi Skill weekly training for all volunteers on every Wednesday evening. 19.30/2130 12 to 15 Volunteers normally.
- EFR course on a weekly basis 2 Hours each night. 9 students.
- Pump Drill monthly training began for 14 Students with local Fire Service station officer.
- EMT New students course ongoing existing EMT sitting on course for refresher.
- Standby storm Bella 17 volunteers for 24 hours.
- Drone training

## 2.3 Water

### 2.3.1 Public Drinking Water Monitoring Program 2021:

#### Covid-19 update:

On 30<sup>th</sup> March 2020 last Irish Water, in consultation with the Environmental Protection Agency, instructed that regulatory and operational monitoring of public drinking water and waste water systems cease and it was restarted on 5<sup>th</sup> May 2020. Usual practices such as sampling in people homes have however remained suspended and the Laboratory service, working with Water Services have identified over 200 new water sampling locations at public locations across the county to allow monitoring to be undertaken. Given current circumstances at time of writing, the laboratory services do not foresee any impact on the planned public water supply sampling programme in 2021.

No of Public drinking water supplies	No of samples scheduled for 2021	No of samples taken by end-Q4 2021	No of parameters scheduled for analysis in 2021	No of parameters analysed by end-Q4 2021	% of parameters Compliant with Drinking Water Standards by end-Q4 2021
165	979*	1,164	17,136*	21,158	99.4
Q4/2020	907	1,183	15,855	25,763	99.6%

\*subject to revision based additional tasks monitoring tasks assigned by Irish Water

Under the terms of our Service Level Agreement (SLA) with Irish Water, the Environment Directorate delivers an extensive sampling & testing programme in relation to public drinking water supplies. Summary data on progress against overall targets is given below. It is not currently possible to break this data down by Municipal District.

Detailed information on individual water supplies can be found at <https://www.water.ie/water-supply/water-quality/>.

### 2.3.2 Private Drinking Water Compliance Monitoring

#### Covid-19 update:

Having liaised with HSE/Tusla and other relevant bodies to review sampling operations and protocols, sampling at schools and crèches recommenced in September 2020, however sampling at Nursing Homes remains suspended until advised otherwise by HSE. Access to certain Small Private Supplies has been restricted in early 2021 with some Schools and Creches closed for some periods. On re-commencement of sampling in late Q1, priority was given to re-testing supplies which had issues, with many coming back into compliance. With re-opening and improved access, Quarters 3 and 4 saw increased sampling of Small Private Supplies and closing out of issues with problem supplies from 2020.

Sampling of Group Water Schemes has not been affected by Covid-19 restrictions with outdoor monitoring points accessible at all supplies.



## Environment/Climate Action/Emergency Services/Rural Broadband

Private WS supply type	No of drinking water Private supplies	No of samples scheduled for 2021	No of samples taken by end-Q4 2021	No of parameters scheduled for analysis in 2021	No of parameters analysed by end-Q4 2021	% of parameters Compliant with Drinking Water Standards up to end-Q4 2021
<b>Private Group WS</b>	<b>25</b>	<b>50</b>	<b>69</b>	<b>950</b>	<b>1,238</b>	<b>95.6%</b>
<i>Q4/2020</i>	<i>27</i>	<i>81</i>	<i>51</i>	<i>1,134</i>	<i>1,335</i>	<i>97.0%</i>
<b>Small private supplies</b>	<b>159*</b>	<b>200</b>	<b>210</b>	<b>3,600</b>	<b>3,638</b>	<b>87.3%**</b>
<i>Q4/2020</i>	<i>159*</i>	<i>220</i>	<i>220</i>	<i>3,080</i>	<i>3,883</i>	<i>95.3%</i>

\*number stated is number of supplies scheduled to be monitored based on a risk assessment (e.g. schools, crèches, nursing homes, etc.). Approximately 400 Small Private Supplies in County

\*\* Significant number of retests on a small number of problem supplies in Q4 has skewed compliance data compared to 2020.

### 2.3.3 Bathing Water Compliance Programme 2021

Note: Bathing Season monitoring extends from mid-May to mid-September. In addition to bathing water sampling and testing outlined below, the Water Quality Laboratory also undertakes environmental education activities as required by the Blue Flag rules. This year, due to probable restrictions on actual on-the-beach activities, laboratory staff assisted by a number of NGOs plan to engage with schools and hold webcasts live from the lab to engage with students on beach ecology, the operation of the laboratory and careers in science, with plans ongoing for a number of these sessions to also be held during 2021 Science Week in November.

In May, An Taisce announced that our Blue Flag beaches retained their flags and that two additional beaches have been awarded Blue Flag. Warren (Cregane) Strand regained its Blue Flag (last awarded a Blue Flag in 2013) while Inchydoney East Beach was awarded its first Blue Flag. The total number of beaches managed by Cork County Council is 29. An Taisce also announced the Green Coast Award beaches. All our existing Green Coast beaches retained their flags with the exception of Oysterhaven. As Oysterhaven did not achieve Excellent Status (the current status is Good), an application for a Green Flag award was not submitted as the minimum status required for Green Flag is Excellent. Inchydoney East beach is one of six sites in the country which has both a Blue Flag and Green Coast Award.

Below table outlines the planned bathing water monitoring programme for 2021, with the bathing water monitoring results for 2020 re-stated in section 2.1.3.1.

Total No of beaches in monitoring programme 2021	No of samples scheduled for 2021 Bathing water Season (May – Sept)	No of samples taken 2021	No. of compliant samples <i>E.Coli &lt;500 AND I. Enterococci &lt;100</i>	No of non-compliant samples 2021 <i>E. coli &gt; 500 OR I. Enterococci &gt;100</i>
<b>29</b>	<b>181</b>	<b>190</b>	<b>184</b>	<b>6</b>
<i>By End – 2020</i>	<i>185</i>	<i>184</i>	<i>171</i>	<i>13</i>

Fountainstown beach had elevated E. Coli and I. Enterococci levels when sampled on the 25/05/21. The non-compliant samples were a result of a rainfall event. Following consultation with the HSE, a Prohibition Notice was erected on site on the 26/05/21. A repeat sample was taken on 26/05/21. This sample had a compliant level for I. Enterococci but non-compliant level for E. Coli. Following further consultation with the HSE, the Prohibition Notice was downgraded to an Advisory Notice on 28/05/21. Another repeat sample taken on the 31/05/21 demonstrated a return to excellent water quality and, on the advice of the HSE, the Advisory Notice was lifted on the 02/06/21.

## Environment/Climate Action/Emergency Services/Rural Broadband

Garryvoe beach had elevated E. Coli levels when sampled on the 25/05/21. This was due to a rainfall event. Following consultation with the HSE, a Prohibition Notice was erected on site on the 26/05/21. A repeat sample was taken on the 26/05/21. This sample was compliant with the regulatory limits. Following further consultation with the HSE, the Prohibition Notice was lifted on the 28/05/21.

Sandycove beach had an elevated I. Enterococci level when sampled on the 25/05/21. Following consultation with the HSE, a Prohibition Notice was issued on the 26/05/21. A repeat sample taken on the 26/05/21 was compliant with the regulatory limits and after further consultation with the HSE, the Prohibition Notice was lifted on the 28/05/21.

Coolmaine beach. A Prohibition Notice was issued on the 18/06/21 following notification by Irish Water of a Wastewater Infrastructure failure at Timoleague, and consultation with the HSE. A water sample taken on 21/06/21 demonstrated that water quality at Coolmaine beach was of Excellent quality. Following consultation with the HSE the Prohibition Notice was lifted on 23/06/21.

Shanagarry (Ardnahinch) beach returned a poor result for a sample taken on 1/9/21, with an Advisory notice issued on 2/9/21. A repeat sample taken on the 6/9/21 was compliant with the regulatory limits and after further consultation with the HSE, when results became available, the Advisory Notice was lifted on the 8/9/21.

### 2.3.3.1 Bathing water quality status for Identified & Blue flag beaches

Municipal District	Identified Bathing water	2021 Blue Flag Award	2020 Blue Flag Award	2019 Blue Flag Award	2019 Bathing water status (2016-2019 results)	2020 Bathing water status (2017-2020 results)	2021 Bathing water status*
Bandon/Kinsale	Coolmaine	Not BF	Not BF	Not BF	Good	Good	To be determined by EPA
	Garrylucas	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
	Garretstown	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
Carrigaline	Fountainstown	Not BF	Not BF	Not BF	Excellent	Excellent	To be determined by EPA
East Cork	Garryvoe	No	No	No	Sufficient	Sufficient	To be determined by EPA
	Redbarn	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
	Youghal Claycastle	Yes	Yes	No	Excellent	Excellent	To be determined by EPA
	Youghal Front strand	No	No	No	Good	Good	To be determined by EPA
West	Barleycove	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
	Inchydoney West	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
	Inchydoney East	Yes	n/a	n/a	Excellent	Excellent	To be determined by EPA
	Ownahincha	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
	Tragumna	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
	Warren	Yes	No	No	Good	Excellent	To be determined by EPA

**10 Identified Bathing waters attained Blue flag for the 2021 bathing season** - Barleycove, Garretstown, Garrylucas, Inchydoney East, Inchydoney West, Owenahincha, Redbarn, Tragumna, Youghal Claycastle, Warren Cregane Strand.

\*The EPA is the sole arbiter of Bathing Water Status and this is based on 20 samples over 4 years, with results usually available in December. The status determined by the EPA, will form the basis for applications by the Council to An Taisce for Blue Flag status.



## Environment/Climate Action/Emergency Services/Rural Broadband

### 2.3.3.2 Bathing water quality status for Green Coast Awards & candidate beaches

Municipal District	Beach	2021 Green Coast Award	2020 Green Coast Award	2019 Green Coast Award	2019 Bathing water status (2016-2019 results)	2020 Bathing water status (2017-2020 results)	2021 Bathing water status*
Bandon/Kinsale	Oysterhaven	No	Yes	Yes	Excellent	Good	To be determined by EPA
Carrigaline	Rockybay	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
	Fountainstown	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
East Cork	Ring Beach	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
	Inch Beach	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
	Shanagarry (Ardnahinch)	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
West Cork	Ballyrisode	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
	Cadogens	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
	Cape Clear Is.	No	No	No	Good	Good	To be determined by EPA
	Galleycove	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
	Garinish	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
	Inchydoney East	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
	Red strand	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
	Dooneen	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA
	Sherkin island	Yes	Yes	Yes	Excellent	Excellent	To be determined by EPA

**13 no. applications for Green Flag beaches submitted to An Taisce for the 2021 bathing season were awarded in June 2021.**

\*The EPA is the sole arbiter of Bathing Water Status and this is based on 20 samples over 4 years, with results usually available in December. The status determined by the EPA, will form the basis for applications by the Council to An Taisce for Green Flag status.

## Environment/Climate Action/Emergency Services/Rural Broadband

### 2.3.4 Agricultural Inspection Program

No of farm inspections scheduled for 2021	Municipal District	No of farm inspections undertaken 1/1/2020 to 31/12/2020	No of farm inspections undertaken 1/1/2021 to 31/12/2021	No of warning letters sent	% of farms with non compliances detected	No. of Cross reports to DAFM	% of farms with Cross reports to DAFM
700 (Numbers reduced from previous years due to Covid 19 restrictions which limit ability to do farm inspections).	Carrigaline	27	36	10	28%	1	3.7%
	Bandon/ Kinsale	67	82	22	27%	0	0
	Macroom	69	70	21	30%	2	2.9%
	Cobh	72	65	20	31%	1	1.5%
	East Cork	97	82	15	18%	2	2.4%
	Fermoy	98	134	40	30%	2	1.5%
	Kanturk/ Mallow	106	143	35	24%	3	2.1%
	West Cork	98	103	24	23%	1	1.0%
	<b>Total</b>		<b>634</b>	<b>715</b>	<b>187</b>	<b>26%</b>	<b>12</b>

### 2.3.5 Septic Tank Inspection Program

Municipal District	No. of Septic Tank inspections scheduled for period 2021	No. of Septic Tank inspections undertaken for period 1/1/2021 - 31/12/2021	No of non-compliant systems identified	% non- compliances identified	No. of Advisory Notices issued	No. of Advisory Notices Complied with
Carrigaline	5	5	2	40%	2	0
Bandon/Kinsale	8	7	3	43%	3	0
Macroom	10	12	7	58%	7	1
Cobh	5	5	2	40%	2	1
East Cork	5	5	2	40%	2	2
Fermoy	8	8	5	63%	5	1
Mallow/ Kanturk	8	8	8	100%	8	0
West Cork	12	12	9	75%	9	3
<b>Total</b>	<b>61</b>	<b>62</b>	<b>38</b>	<b>61%</b>	<b>38</b>	<b>8</b>

Septic tanks inspection programme for 2021 commenced on 1<sup>st</sup> June 2021. High non-compliance rate in Mallow/Kanturk area is not related to any specific issue.

## Environment/Climate Action/Emergency Services/Rural Broadband

### 2.3.6 Update on Septic Tank Inspection Program 2013 – 2020

	No. of Septic Tank inspections scheduled for period <b>1/7/2013 to 31/12/2020</b>	No. of Septic Tank inspections undertaken to <b>31/12/2020</b>	No of non-compliant systems identified	% non-compliances identified	No. of Advisory Notices issued	No. of Advisory Notices Complied with by <b>31/12/2021</b>
<b>Total</b>	<b>624</b>	<b>638</b>	<b>352</b>	<b>55%</b>	<b>352</b>	<b>321</b>

### 2.3.7 Update on Tracking of Compliance with Advisory Notices 2013 – 2020

National Inspection Plan Domestic Wastewater Treatment System Inspections			Number of Advisory Notices Complied with in				Number of Advisory Notices Not Complied with by 31/12/2021	
Dates of Inspections	No of inspections	>12 months	< 3 months	4-6 months	7-12 months	>12 months	>6 months	>12 months
1/7/2013 – 31/12/2014	<b>146</b>	<b>79</b>	25	19	17	17	0	1
1/1/2015 - 31/12/2015	<b>99</b>	<b>58</b>	9	19	18	11	0	1
1/1/2016 – 31/12/2016	<b>102</b>	<b>68</b>	25	16	8	18	0	1
1/1/2017 – 31/12/2017	<b>112</b>	<b>63</b>	10	17	2	25	0	9
1/1/2018 – 31/12/2018	<b>60</b>	<b>21</b>	6	3	2	8	0	2
1/1/2019 – 31/12/2019	<b>60</b>	<b>31</b>	8	12	3	4	0	4
1/1/2020 – 31/12/2020	<b>59</b>	<b>32</b>	7	6	3	3	0	0

Notes;

- We continue to engage with all householders who have not yet complied fully with their Advisory Notices.
- There are 9 notices not complied with for 2017. 8 of these are in one location & are liaising with Irish Water re provision of public sewer.
- There are 4 notices not complied with for 2019. Covid 19 restrictions & householder concerns about having contractors in to carry out work has meant that works are not being completed as quickly as usual. We continue to engage with these householders.
- DWWTS inspections for 2020 only started in September 2020, Covid 19 restrictions are slowing down the rate at which works are being completed to comply with advisory notices.

**2.3.8 DWWTS Grant Payments by Cork County Council (to 31/12/2021)**

Grant Scheme	2014	2015	2016	2017	2018	2019	2020	2021
<b>National Inspection Plan</b>	2 Grants €3,151	8 Grants €17,185	9 Grants €18,282	6 Grants €15,031	3 Grants €6,867	4 Grants €7,177	No Applications	1 Grant €5,000
<b>High Status Areas</b>	N/A	N/A	N/A	N/A	N/A	N/A	1 Incomplete Application	2 applications submitted, & approved, works in progress
<b>Priority Areas for Action</b>	N/A	N/A	N/A	N/A	N/A	N/A	2 referrals to LAWPro for Approval.	1 application submitted & approved, works in progress.

Notes;

- Total of 32 DWWTS grants, worth €72,693, have been paid out since 2014, by Cork County Council.
- All grant payments have been recouped from Department of Housing, Local Government & Heritage.
- DWWTS inspections in 2020 only started in September, much later than previous years due to Covid 19, therefore this may have delayed grant applications in 2020.
- The grant schemes for High Status Areas, & Priority Areas for Action, were not available until 2020.

**Key Message**

**Too much sludge in the tank is one of the reasons for non-compliance in over 50% of cases. Householders are encouraged to desludge their septic tanks using an authorized desludging contractor every 2-3 years. A list of local authorized desludging contractors is available from the Environment Directorate at Inniscarra.**

2.3.9 **Municipal Waste Water Sampling Program Summary**



% Inspections completed to 31.12.21:

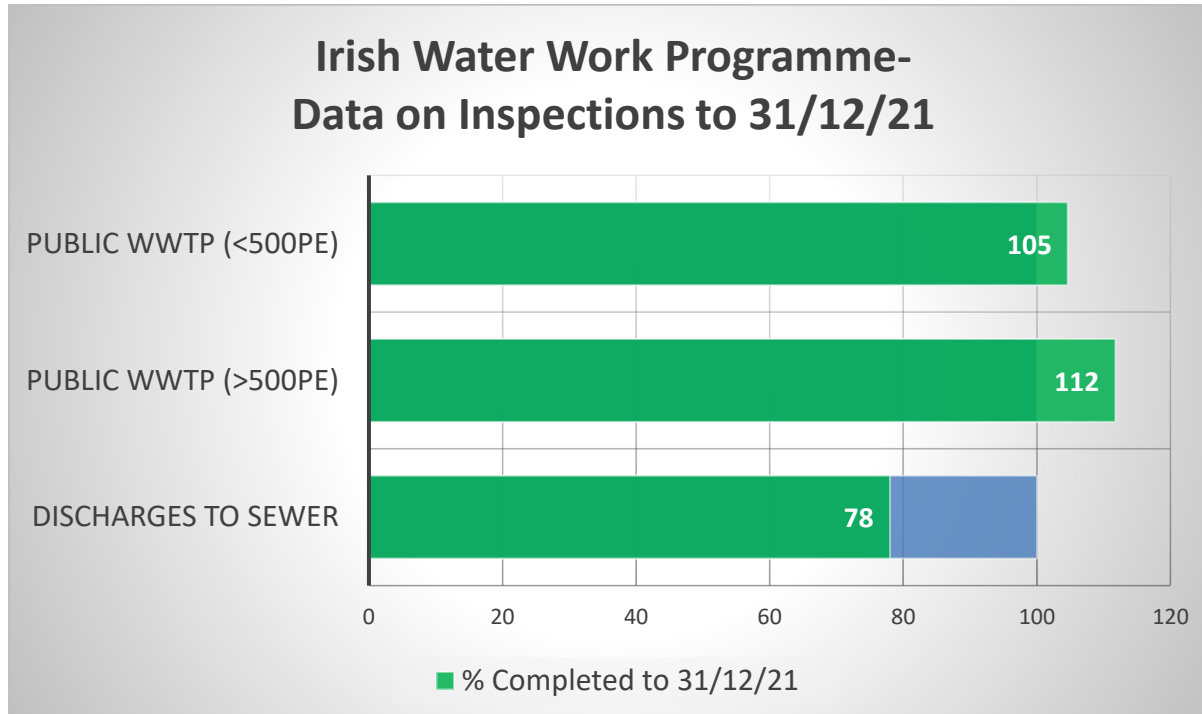


Figure 1: IW Work Programme- Inspections



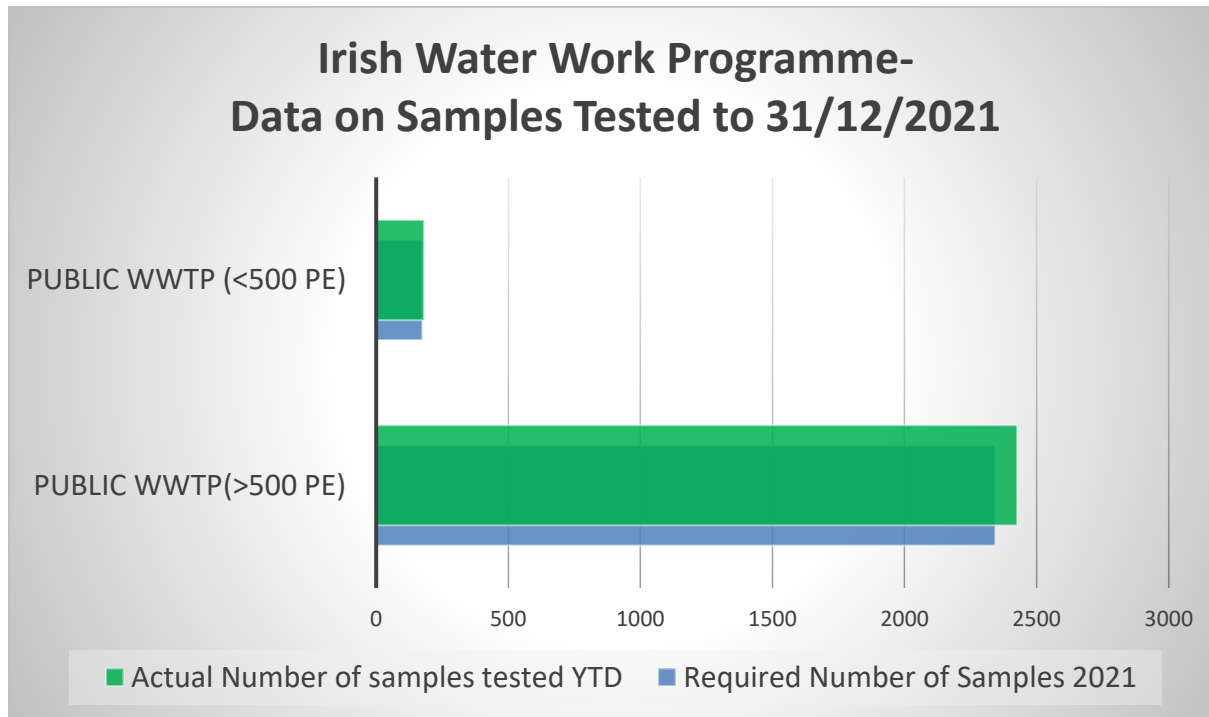
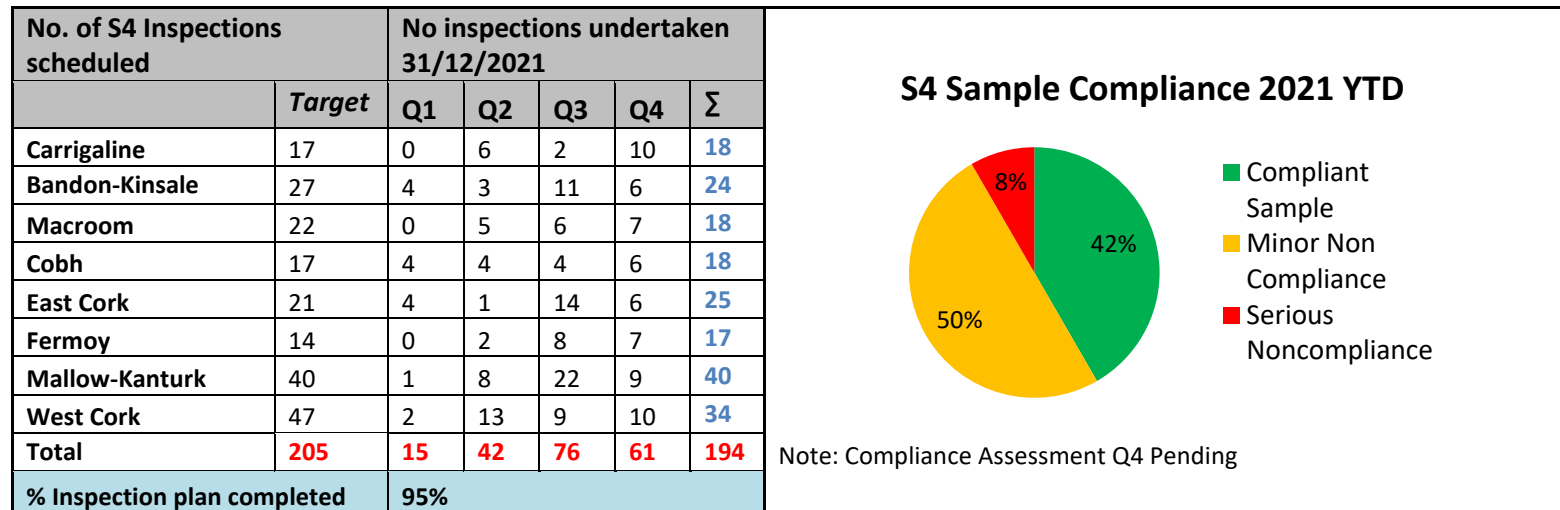


Figure 2: IW Work Programme – Samples

Under the terms of our Service Level Agreement (SLA) with Irish Water, the Environment Directorate delivers an extensive sampling & testing programme in relation to public waste water treatment systems. Summary data on progress against overall targets is given above. More information on individual municipal treatment plants can be found via the Irish Water website; <https://www.water.ie/wastewater/compliance/> . Compliance information for individual plants is available via the EPA’s website at <https://gis.epa.ie/EPAMaps/SewageTreatment>.

## Environment/Climate Action/Emergency Services/Rural Broadband

### 2.3.10 Trade Waste Water Discharge License Inspection Program – Discharges to water



#### Notes:

Section 4 (private discharges) programme has been significantly impacted by Covid. Many of the Licences scheduled for inspection visits relate to premises closed under national restrictions. Inspections have therefore focused more on operational controls and management rather than compliance samples. Our inspection plan is kept under continual review to reflect NPHEt guidance. Plan reviewed in Sept. 2021. High risk facilities (nursing homes, hospitals etc). removed from sampling plan. Some facilities scheduled for inspection remained closed.

## 2.4 Air & Noise

### 2.4.1. Numbers of licenses under Air Pollutions Acts and related regulations

Licence Type	Municipal District	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	+/- on Q3 2021
Air Pollution Act Licences	Bandon/Kinsale	1	1	1	1	1	0
	Carrigaline	2	2	2	2	2	0
	Macroom	1	1	1	1	1	0
	Cobh	4	4	4	4	4	0
	East Cork	0	0	0	0	0	0
	Fermoy	0	0	0	0	0	0
	Kanturk/Mallow	1	1	1	1	1	0
	West Cork	1	1	1	1	1	0
	<b>TOTAL</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>10</b>	<b>0</b>
Solvent Regulation Certificates (Dry Cleaners)	Bandon/Kinsale	5	5	5	5	5	0
	Carrigaline	1	1	2	3	3	0
	Macroom	0	0	0	0	0	0
	Cobh	1	1	1	1	1	0
	East Cork	3	4	4	4	3	-1
	Fermoy	4	4	4	4	3	-1
	Kanturk/Mallow	3	3	3	3	2	-1
	West Cork	3	3	3	3	3	0
	<b>TOTAL</b>						
Deco Paint Regulation Certificates (spray painters)	Bandon/Kinsale	5	5	5	4	5	1
	Carrigaline	3	3	3	3	3	0
	Macroom	1	1	1	1	2	1
	Cobh	2	1	1	1	2	1
	East Cork	8	8	8	8	9	1
	Fermoy	2	3	3	3	5	2

## Environment/Climate Action/Emergency Services/Rural Broadband

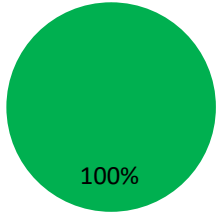
Licence Type	Municipal District	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	+/- on Q3 2021
	Kanturk/Mallow	6	6	6	6	7	1
	West Cork	5	6	6	6	6	0
	<b>TOTAL</b>	<b>32</b>	<b>33</b>	<b>33</b>	<b>32</b>	<b>39</b>	<b>7</b>
Petroleum Vapour Certificates	Bandon/Kinsale	4	4	4	6	11	5
	Carrigaline	6	6	6	6	6	0
	Macroom	6	5	5	7	10	3
	Cobh	7	7	7	8	8	0
	East Cork	8	6	6	8	9	1
	Fermoy	13	13	13	13	14	1
	Kanturk/Mallow	6	4	5	7	7	0
	West Cork	8	6	6	8	14	6
	<b>TOTAL</b>	<b>58</b>	<b>51</b>	<b>52</b>	<b>63</b>	<b>79</b>	<b>16</b>

### 2.4.2. Inspections under Air Pollution Acts and related regulations

No. Air Pollution Act Inspections scheduled		No inspections undertaken YTD				
	Target	Q1	Q2	Q3	Q4	Σ
Carrigaline	4	0	2	0	2	0
Bandon-Kinsale	2	0	1	0	1	0
Macroom	2	0	1	0	1	0
Cobh	8	0	4	0	4	0
Mallow-Kanturk	2	0	1	0	1	0
West Cork	2	0	1	0	1	0
<b>Total</b>	<b>20</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>10</b>	<b>0</b>
<b>% Inspection plan completed</b>		<b>100%</b>				

### APA Compliance Summary

0%



100%

- No. Emissions Compliant with Licence
- No. Emissions Non-Compliant with Licence

## Environment/Climate Action/Emergency Services/Rural Broadband

### 2.4.3. Coal Regulations –Low Smoke Zone Inspection Program

Year 2021	No. of Inspections Planned (Low Smoke Zone) *	Advisory Letters <sup>1</sup>	Inspections 2021	Non-Compliances	Warning Letters	Fines/ Enforcement Proceedings	% Overall Compliance level rel. to inspections undertaken
Q1	0	0	0	0	0	0	N/A
Q2	0	0	0	0	0	0	N/A
Q3	0	0	0	0	0	0	N/A
Q4	20	0	50	2	3	0	96%
<b>Total</b>	<b>20</b>	<b>0</b>	<b>50</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>96%</b>

### 2.4.4. Coal Regulations – Non-ban area Inspection Program

Year 2021	No. of Inspections Planned (Non-Ban Area) *	Advisory Letters	Inspections 2021	Non-Compliances	Warning Letters	Fines/ Enforcement Proceedings	% Overall Compliance level rel. to inspections undertaken
Q1	0	0	0	0	0	0	N/A
Q2	0	0	0	0	0	0	N/A
Q3	0	0	0	0	0	0	N/A
Q4	40	0	19	0	0	0	100
<b>Total</b>	<b>40</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100%</b>

### 2.4.5. Coal Regulations –Mobile/Multi-Agency Checkpoints

Year 2021	No. of Inspections Planned *	Advisory Letters	Inspections 2021	Non-Compliances	Warning Letters	Fines/ Enforcement Proceedings	% Overall Compliance level rel. to inspections undertaken
Q1	0	0	0	0	0	0	N/A
Q2	0	0	0	0	0	0	N/A
Q3	0	0	0	0	0	0	N/A
Q4	1	0	1	0	0	0	100
<b>Total</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100%</b>

\* Note: Coal Inspections occurs primarily in Q1 and Q4 each year i.e., during the heating season. Due the Covid-19 restrictions no physical site inspections or checkpoints were undertaken in Q1 of 2021. Monitoring of online solid fuel services and telephone calls to solid fuel operators has continued.

<sup>1</sup> The term “Advisory Letters” relates to communications issued to identified fuel suppliers and retailers at start of heating season as part of our awareness campaign, or to householders in areas identified as having problems.

## Environment/Climate Action/Emergency Services/Rural Broadband

### 2.5. Waste

#### 2.5.1. Inspections 1st October – 31<sup>st</sup> December 2021

##### Note: Covid-19 Impacts Waste Enforcement

The Waste Enforcement Unit has had to adjust the way we carry out our work during the Covid-19 Emergency.

Cork County Council deployed enforcement personnel, wardens and officers, countywide during Covid-19 responding to litter and waste reports while adhering to HSE guidance.

	Municipal District									YTD
	Bandon - Kinsale	Carrigaline	Cobh	East Cork	Fermoy	Macroom	Mallow-Kanturk	West Cork	Q4Totals	
Waste Facility Permit	1	1	1	2	1	0	2	7	15	<b>64</b>
Waste Collection Permit	1	0	0	3	1	1	2	1	9	<b>19</b>
Food Waste (includes domestic and commercial) <sup>1</sup>	0	0	0	0	0	0	0	0	0	<b>85</b>
Unauthorised End Of Life Vehicle site	0	1	1	2	0	1	1	2	8	<b>36</b>
Producer Responsibility (WEEE/Tyres/Packaging/etc.) <sup>1</sup>	0	0	0	0	0	0	0	0	0	<b>196</b>
Complaint Investigation	24	22	24	23	19	20	65	34	231	<b>1105</b>
Multi-Agency Operations	0	1	0	2	0	0	0	0	3	<b>8</b>
Vehicle Checkpoints <sup>2</sup>	0	0	1	0	0	6	5	0	12	<b>16</b>
<b>Total</b>	<b>26</b>	<b>25</b>	<b>27</b>	<b>32</b>	<b>21</b>	<b>28</b>	<b>75</b>	<b>44</b>	<b>278</b>	<b>1286</b>

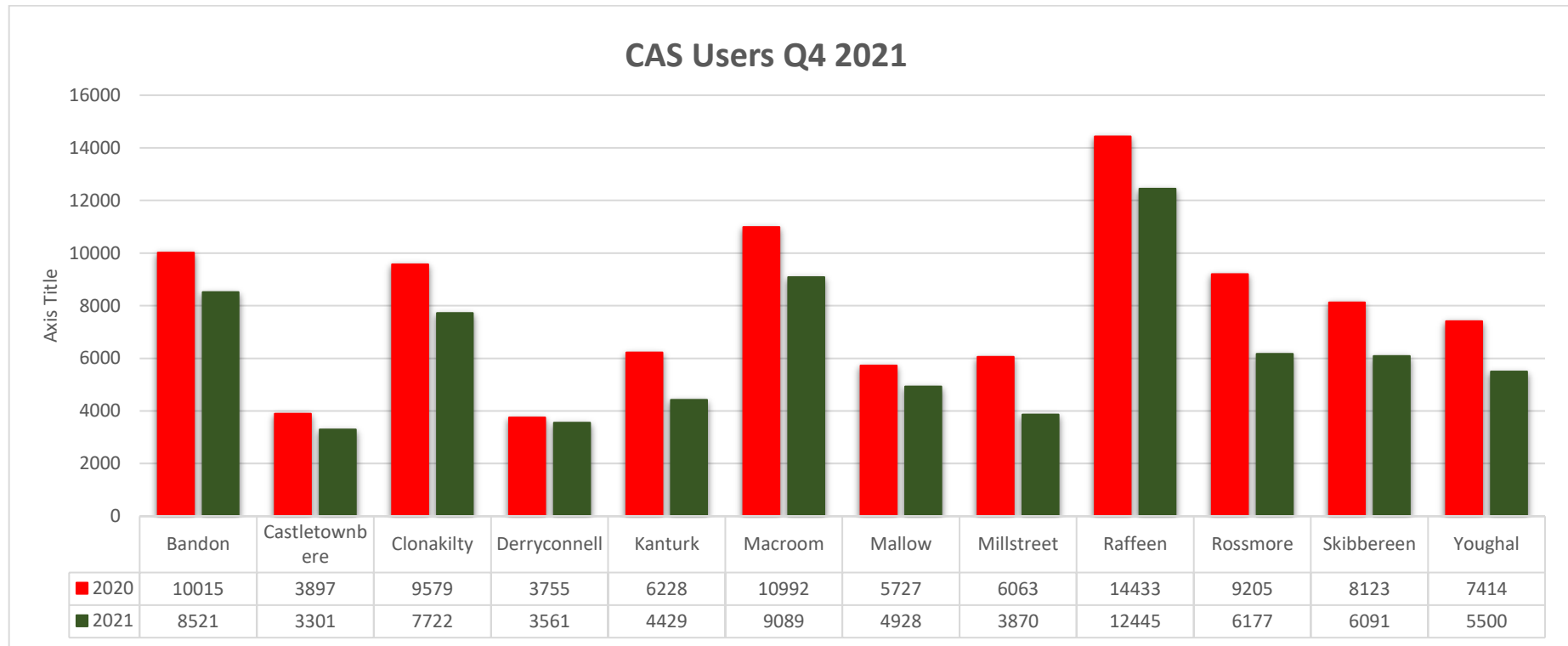


## Environment/Climate Action/Emergency Services/Rural Broadband

### 2.5.2. Civic Amenity Sites

Zone	Location	Material	Tonnage	Tonnage	Tonnage	Tonnage	TOTAL	TOTAL
			Q1 2021	Q2 2021	Q3 2021	Q4 2021	2021	2020
1	Castletownbere	Recyclables	79.14	87.46	98.34	79.34	344.28	341.92
		Waste	76.16	70.25	96.42	70.08	312.91	328.21
	Clonakilty	Recyclables	195.81	217.70	222.06	207.41	842.98	927.75
		Waste	142.38	147.59	156.80	125.59	572.36	570.15
	Derryconnell	Recyclables	99.67	115.35	121.39	84.22	420.63	454.43
		Waste	104.95	127.16	132.70	88.59	453.40	551.53
	Skibbereen	Recyclables	81.14	75.46	86.53	85.22	328.35	324.40
		Waste	43.93	43.94	53.34	34.90	176.11	162.05
2	Bandon	Recyclables	364.69	436.42	483.45	334.71	1,619.27	1,845.06
		Waste	239.80	256.84	242.96	197.14	936.74	1,029.64
	Macroom	Recyclables	301.56	331.58	315.26	262.48	1,210.88	1,330.00
		Waste	333.10	307.98	287.66	254.80	1,183.54	1,275.20
	Raffeen	Recyclables	685.03	945.54	854.90	658.78	3,144.25	5,457.36
		Waste	596.12	621.78	564.64	531.40	2,313.94	2,543.13
3	Rossmore	Recyclables	309.83	452.43	452.48	359.86	1,574.60	1,654.14
		Waste	463.30	455.76	422.79	380.72	1,722.57	1,876.93
	Youghal	Recyclables	189.28	225.36	197.99	160.04	772.67	851.23
		Waste	309.62	307.44	293.11	241.34	1,151.51	1,203.14
4	Kanturk	Recyclables	178.80	196.81	180.79	166.57	722.97	703.83
		Waste	192.08	186.16	181.40	196.48	756.12	847.06
	Mallow	Recyclables	195.17	255.76	203.83	176.80	831.56	829.07
		Waste	215.58	189.02	200.48	184.42	789.50	762.68
	Millstreet	Recyclables	202.72	146.30	142.64	146.37	638.03	651.14
	Waste	198.64	175.74	151.10	167.84	693.32	809.82	

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### 2.5.3. Decisions made Waste Facility Permit & Waste Cert of Registration Applications October 1<sup>st</sup> – 31<sup>st</sup> December

Waste Facility Permit/ Certificates of Registration	Municipal District							
	Bandon -Kinsale	Carrigaline	Cobh	East Cork	Fermoy	Macroom	Mallow- Kanturk	West Cork
Q1	0	1	3	0	0	2	1	0
Q2	0	0	2	0	0	1	0	0
Q3	0	0	0	0	0	0	2	1
Q4	0	0	2	0	0	0	0	0
<b>2021 Totals</b>	<b>0</b>	<b>1</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>1</b>
<b>2020 Totals</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>9</b>	<b>3</b>	<b>4</b>	<b>6</b>	<b>8</b>

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### 2.5.4. Bring sites

Material	Tonnage Q1 2021	Tonnage Q2 2021	Tonnage Q3 2021	Tonnage Q4 2021	Total 2021	Total 2020
Glass Bottles	1,805.70	1,846.55	1,819.00	1,477.12	<b>6,948.37</b>	<b>5,391.93</b>
Beverage Cans	30.33	27.77	24.47	16.72	<b>99.29</b>	<b>95.97</b>
Food Cans	32.52	30.03	26.88	16.42	<b>105.85</b>	<b>111.35</b>

### 2.5.5. Litter Fines - Environment Directorate Litter Wardens ytd 2021\*

MDC	Issued				Cancelled				Paid				Sent for Prosecution			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Carrigaline	2	3	1	1	0	0	0	0	1	1	4	1	0	0	0	0
Bandon / Kinsale	1	2	2	3	0	0	0	0	0	2	1	3	1	0	0	0
Macroom	0	4	0	0	0	0	0	0	1	1	3	0	0	0	0	0
Cobh	2	8	2	1	0	0	0	0	1	4	4	1	0	0	2	0
East Cork	9	3	4	4	0	0	0	0	3	9	5	1	0	0	0	0
Fermoy	3	2	1	1	0	0	0	0	2	1	0	0	0	0	0	0
Kanturk / Mallow	8	5	9	12	0	0	0	0	4	3	3	6	2	3	0	1
West Cork	4	2	0	0	0	0	0	0	1	3	0	0	0	0	0	0
<b>TOTAL 2021</b>	<b>29</b>	<b>29</b>	<b>19</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>24</b>	<b>20</b>	<b>12</b>	<b>3</b>	<b>3</b>	<b>2</b>	<b>1</b>
<b>TOTAL 2020</b>	<b>26</b>	<b>5</b>	<b>115</b>	<b>59</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>27</b>	<b>38</b>	<b>3</b>	<b>55</b>	<b>58</b>	<b>15</b>	<b>4</b>	<b>1</b>	<b>0</b>

\*For data on fines issued by staff of Municipal Districts see 2.5.7.

**2.5.6. Litter Fines by Category - Environment Directorate Litter Wardens**

Fine Category	Issued			
	Q1	Q2	Q3	Q4
LW detection via patrol or report Section 3(1)	27	17	17	22
CCTV Section 3(2) b	0	0	0	0
Duties of Occupiers Section 6	0	0	0	0
Mobile outlets Section 15	0	0	0	0
Unauthorised Sign Section 19	2	12	2	0
<b>TOTAL 2021</b>	<b>29</b>	<b>29</b>	<b>19</b>	<b>22</b>
TOTAL 2020	26	5	115	59

**2.5.7. Litter Fines - Municipal District Litter Wardens ytd 2021 – Note: Q4 year end data not yet available**

MDC	Issued				Cancelled				Paid				Sent for Prosecution			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Carrigaline	0	0	0		0	0	0		0	0	0		0	0	0	
Bandon / Kinsale	0	0	0		0	0	0		0	0	0		0	0	0	
Macroom	8	111	13		1	2	1		2	1	70		0	1	1	
Cobh	20	19	2		0	1	0		0	1	1		1	1	1	
East Cork	1	0	0		0	0	0		0	0	0		0	0	0	
Fermoy	4	0	3		0	0	0		1	0	0		1	0	0	
Kanturk / Mallow	0	0	0		0	0	0		0	0	0		0	0	0	
West Cork	0	0	0		0	0	0		0	0	0		0	0	0	
<b>TOTAL 2021</b>	<b>33</b>	<b>130</b>	<b>18</b>		<b>1</b>	<b>3</b>	<b>1</b>		<b>3</b>	<b>2</b>	<b>70</b>		<b>2</b>	<b>2</b>	<b>2</b>	
<b>TOTAL 2020</b>	26	5	115	59	0	2	3	27	38	3	55	58	15	4	1	0

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### 2.5.8. Anti Litter Unit & Other Environmental Complaints by Type

Type	Q1	Q2	Q3	Q4	Total
Waste - Litter	403	293	228	160	1084
Waste - Non Litter	79	102	92	58	331
Waste - Other	26	11	37	7	81
Waste Water	31	19	27	6	83
Water & Agri	80	70	60	46	256
Air/Odour	46	44	36	14	140
Noise	51	63	31	35	180
Notifications to Burn	15	29	30	10	84
Other Issues	16	25	12	4	57
Illegal Dumping Line	106	72	69	43	290
<b>Total excl Dumping Line 2021</b>	<b>747</b>	<b>656</b>	<b>553</b>	<b>340</b>	<b>2296</b>
<b>Total excl Dumping Line 2020</b>	<b>478</b>	<b>861</b>	<b>705</b>	<b>408</b>	<b>2452</b>

### 2.5.9. Anti Litter Unit & Other Environmental Complaints by MDC

Waste - Litter	Municipal District							
	Bandon - Kinsale	Carrigaline	Cobh	East Cork	Fermoy	Macroom	Mallow-Kanturk	West Cork
Q1	63	185	77	112	71	64	111	70
Q2	58	129	62	81	62	60	90	114
Q3	51	102	39	78	64	60	84	75
Q4	39	55	16	48	44	32	64	42
<b>2021 Totals</b>	<b>211</b>	<b>471</b>	<b>194</b>	<b>319</b>	<b>241</b>	<b>216</b>	<b>349</b>	<b>301</b>
<b>2020 Totals</b>	<b>197</b>	<b>419</b>	<b>225</b>	<b>391</b>	<b>186</b>	<b>300</b>	<b>332</b>	<b>398</b>

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### 2.5.10. Anti Litter Unit Statistics

Anti-Litter Unit Statistics 2021	Q1	Q2	Q3	Q4	YTD	Total 2020
Fly-tipping Complaint Investigations	498	384	280	336	1498	1321
Fly-tipping Cleanup Jobs	235	241	168	215	859	989
Fly-Tipping Units on Litter duty (Days)	47	45	33	28	153	199
Waste Collected (Tonnes)	108.9	103.2	58.40	25	295.50	208.19

### 2.5.11. Prosecutions (under WMA 1997)

Q4	Municipal District							
	Fermoy	Kanturk /Mallow	Carrigaline	Macroom	Cobh	East Cork	Bandon/ Kinsale	West Cork
COMPLETE	0	2	0	0	0	0	0	0
PENDING	1	8	1	1	3	1	3	0
<b>TOTAL</b>	<b>1</b>	<b>10</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>0</b>



## 2.6. Veterinary & Food Safety

### 2.6.1. No. of Dog Licences issued

Licence Type	Carrigaline	Macroom	Cobh	East Cork	Kanturk Mallow	Fermoy	West Cork	Bandon Kinsale	Total No. Issued as at 31/12/2021	Total 2020
Ordinary Dog Licenses	2925	3063	2842	3781	4499	3036	4361	3105	<b>27,612</b>	<b>30,699</b>
									An Post 18,731	
General Dog Licences	5	18	0	6	11	7	10	12	<b>69</b>	<b>81</b>
									An Post n/a	
Life Time Licences	101	92	66	109	137	65	123	132	<b>825</b>	<b>655</b>
									An Post 236	

Total Number of Stray Dogs Entering Pound /Surrendered /Seized for period: 1st Jan 2021 – 31st December 2021 : 156

Total No. Rehomed / Reclaimed: 131 Total No. Euthanised: 25

Please note not all returns are in yet for this Qtr ..

### 2.6.2. No. of Dog Fines Issued

Licence Type	Carrigaline	Macroom	Cobh	East Cork	Kanturk Mallow	Fermoy	West Cork	Bandon Kinsale	Total No. Issued as @ 31/12/2021	Total 2020
Fines Issued	15	25	2	12	20	61	17	25	<b>177</b>	<b>293</b>
Section 16(1) notices issued	38	43	39	50	61	40	57	47	<b>375</b>	<b>725</b>
Prosecutions issued	12	8	1	4	22	21	1	8	<b>77</b>	<b>31</b>

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### 2.6.3. No. of Registered Dog Breeding Establishments

Type of DBE	Carrigaline	Macroom	Cobh	East Cork	Kanturk Mallow	Fermoy	West Cork	Bandon Kinsale	Total No. of Registered Establishments as at 31/12/2021	Total 2020
Commercial Dog Breeders	0	0	0	0	3	3	2	2	10	13
Hunt/Harrier	1	4	0	3	3	5	0	4	20	20
Boarding Kennels	0	1	1	0	2	1	2	0	7	7
Charities	0	0	0	0	0	0	0	0	0	0
<b>Total No. Establishments.</b>	<b>1</b>	<b>5</b>	<b>1</b>	<b>3</b>	<b>8</b>	<b>9</b>	<b>4</b>	<b>6</b>	<b>37</b>	<b>40</b>

### 2.6.4. Approved/Registered Food Premises

Type of premises	Cork City	Carrigaline	Macroom	Cobh	East Cork	Kanturk Mallow	Fermoy	West Cork	Bandon Kinsale	Total 31/12/21	Total Year End 2020
Slaughter houses (Active)	2	1	0	0	3	1	5	9	1	22	22
Slaughter houses (Inactive)	0	0	0	0	0	2	1	3	1	7	7
Meat Manf. Premises	19	1	4	2	0	1	3	3	0	33	35
Reg'd Premises	0	0	2	2	2	2	1	1	0	10	11
<b>Totals</b>	<b>21</b>	<b>2</b>	<b>6</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>10</b>	<b>16</b>	<b>2</b>	<b>72</b>	<b>75</b>

### 2.6.5. Control of Horses

Category	Carrigaline	Macroom	Cobh	East Cork	Kanturk Mallow	Fermoy	West Cork	Bandon Kinsale	Total as @ 30/09/21	Total 2020
Number of Stray Horses collected	0	2	9	0	7	4	2	0	24	35
Number Reclaimed	0	2	0	0	5	1	0	0	8	9
Number Rehomed (Rescues/Charities)	0	0	10	0	2	1	2	0	15	21
Number Euthanised at Pound	0	0	0	0	0	0	0	0	0	4
Number to Sanctuaries	0	0	0	0	0	1	0	0	1	1
No. at Pound 30/06/21	0	0	0	0	0	0	0	0	0	0
No. Aborted Trips	0	0	0	0	4	0	1	0	5	4

\*Note: Total recoupment payable by DAFM to LAs for horses for collection to disposal from 1st Jan, 2015 is €375 (Circular 2 2014 - reduction of €75).

### 2.7. Climate Action & Energy

#### 2.7.1 Climate Action Regional Office (CARO), Atlantic Seaboard South

Cork County Council has been awarded the role of lead authority for the establishment and management of the Climate Action Regional Office (CARO) for the Atlantic Seaboard South Region, which consists of the administrative areas of Clare County Council, Cork City Council, Cork County Council, Kerry County Council and Limerick City & County Council. The Regional Office is responsible for coordinating the Local Authority (LA) response to climate change in the Region.

CARO has successfully coordinated the delivery of Climate Adaptation Strategies/Climate Change Action Plans by all local authorities to meet the statutory deadline of 30th September 2019. The CAROs continue to assist LAs in achieving their climate action targets and is currently working with constituent LAs in developing guidelines for the implementation of actions identified in their respective Adaptation Strategies.

An update of some of the key recent actions of the CARO is as follows:

- Work has been progressing in line with the 2021 CARO Work Plan which has been developed and agreed with the Department of the Environment, Climate and Communications.
- Cork County Council, as lead local authority for the Climate Action Regional Office for the Atlantic Seaboard South Region, maintained its commitment to this initiative during the Covid-19 crisis by transitioning all meetings of the CARO from physical meetings to video conferencing. The use of this capability for business continuity has had the added benefit of reducing the carbon footprint associated with business travel and provides a model for future business transaction.
- A number of regional mitigation projects are being progressed e.g. CARO is currently progressing a project for the development of a Guidance document on the energy efficient operation of Local Authority Municipal buildings. This is due for completion in Q1 2022.
- An ongoing project on the development of guidance for Local Authorities in adapting Regional and Local Roads to climate change is being led by CARO. The initiative aims to provide direction in the operation and maintenance of the road network in the face of emerging climate risks and in the provision of a resilient road network, thereby reducing the risk of damage and loss of function. The Department of Transport has recently provided a grant allocation of €200,000 to CARO to progress the development of Guidance documentation for the climate adaptation of Regional and Local Roads. A National Working Group has been established and is made up of representatives from the City & County Managers Association, Local Authorities, CARO, Dept of Transport, Road Management Office and Munster Technological University. The estimated completion date for the Project is late 2022. The Project is progressing with literature review and consultation stages ongoing.
- CARO are developing a Climate Action Information Note for Local Authority Housing Departments for their Tenants. A Regional Working Group has been established with representatives from the five LAs in this Region to advise on the project. The Information Note will assist Local Authority Housing Departments in disseminating practical advice in terms of both climate adaptation (i.e. dealing with extreme weather events) and mitigation (i.e. energy efficient household operation) to their tenants. This Project will be completed in Q1 2022.
- To encourage the uptake of the Department of Agriculture, Food and the Marine (DAFM) *Woodland Creation on Public Lands Scheme*, CARO established a Working Group with representatives from LAs nationally, DAFM and Teagasc to develop an FAQ Guidance document for Local Authorities on the delivery of woodland creation

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projects. This Guidance Document together with procurement templates have been finalised, approved by CCMA and are available to all Local Authorities on the CARO website [www.caro.ie](http://www.caro.ie).

- The Climate Action Regional Offices in collaboration with the Local Authority Services National Training Group (LASNTG) and other stakeholders have developed an extensive training programme aimed at all staff and elected members. These programmes, which fall under six pillars, are aimed at equipping all local authority staff and elected members, some 30,000 in total, to improve knowledge, skills and understanding to help drive positive and effective climate action through their work. The six pillars are:
  - Championing Leadership
  - Raising Awareness
  - Building Capacity
  - Empowering Change
  - Delivering Action
  - Actioning Policy

In this Region, 'Championing Leadership' training of Elected Members and Senior Staff has taken place for:

- Cork County Council on 21<sup>st</sup> May
- Cork City Council on 4<sup>th</sup> June
- Kerry County Council on 11<sup>th</sup> June
- Limerick City & County Council on 18<sup>th</sup> June 2021
- and Clare County Council on 2<sup>nd</sup> July

Also in this Region, 'Building Capacity' training for Local Authority Climate Action Teams is currently taking place for the five local authorities in the Atlantic Seaboard South Region. this will be completed in January 2022.

Nationally, 'Raising Awareness' training for all Local Authority indoor staff is ongoing. A total of **6,563** Grade 7/6/5 and analogous staff and some **2,900** Grade 4/analogous have completed the Raising Awareness online platform to date.

See 1.8 in Part 1 for update on council's own climate action programme.

## 2.7.2 Energy Management

### 2.7.2.1 SEAI

Public bodies are required under Statutory Instrument 426 of the European Union Energy Efficiency Regulations (2014) as amended to report their energy performance annually. The system by which public bodies report their energy consumption is through the Monitoring and Reporting (M&R) system, managed by the Sustainable Energy Authority of Ireland (SEAI).

Under the National Energy Efficiency Action Plan (NEEAP), Cork County Council had an energy efficiency improvement target of 33% on 2009 energy efficiency figures by 2020.

### 2.7.2.2 Energy Efficiency Status 2020

At the end of 2020, Cork County Council's energy efficiency was 5.6% worse than the NEEAP target glide path presented in the current SEAI monitoring and reporting scorecard (refer to Figure 1).

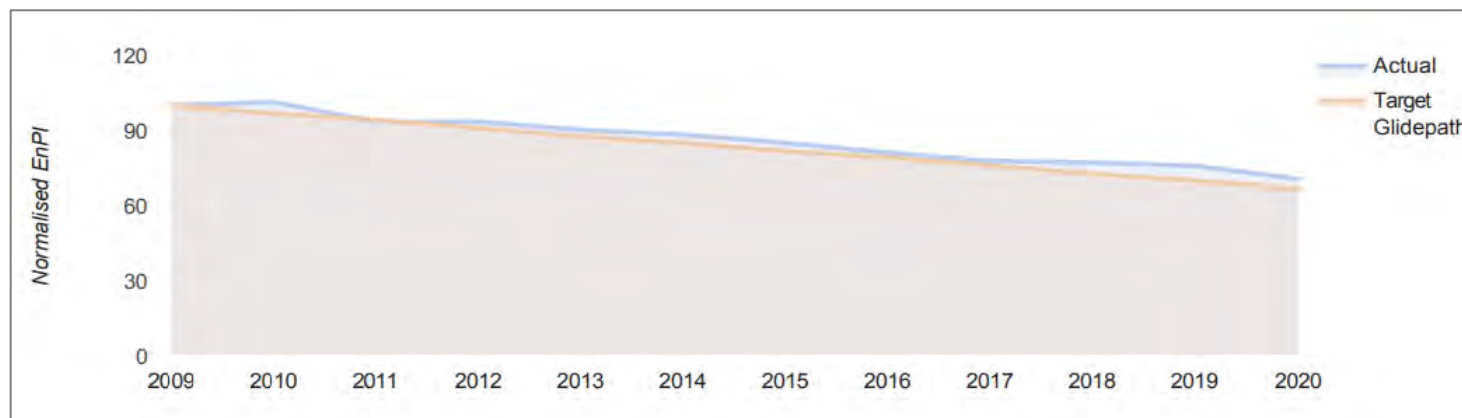


Figure 1 Cork County Council's energy efficiency performance glide path for 2020 from SEAI M&R

The figures presented below were published by the SEAI in their Annual Report 2020 on Public Sector Energy Efficiency Performance. The major findings are as follows:

- 6.9% better than 2019
- 29.3% better than baseline (2009)
- 5.6% worse than target 'glide-path' target for 2020

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### 2.7.2.3 Energy Management Action Plans 2021

Individual Directorates and SEUs have been invited to submit Energy Management Action Plans (EMAP) for 2021. The actions for 2021 and progress to date are shown in Table 1.

<b>Directorate</b>	<b>Section</b>	<b>Action</b>	<b>Comment</b>
	<b>Public Lighting</b>	Public Lighting LED replacement programme	<i>Remainder of 2018-2020 LEDR programme to be completed in 2021 (8%) i.e. 72 projects = 1,500 lights changed to LED to date An additional 110 nr. lights have been retrofitted to LED in locations identified as dark spots</i>
<b>Environment</b>	<b>Fire Stations</b>	Mallow – Insulate ceiling and walls of office	<i>Prices sought re insulation</i>
		Mitchelstown – Install under sink water heaters	<i>Completed</i>
		Fermoy – replace existing control system	<i>completed</i>
		Cobh- dehumidifier	<i>On order</i>
		Millstreet – dehumidifier	<i>On order</i>
		Charleville – dehumidifier	<i>On order</i>
		Bandon – window replacement – windows on order	<i>On order</i>
	<b>Inniscarra Env building</b>	Env Building - Replacement of doors to reduce heat loss	<i>completed</i>
		Env Building - Replace geothermal with air-to-water heat pump	<i>prices sought</i>
		LED Lighting Upgrade- 4 buildings	<i>prices sought</i>
		Env Building - Replace kerosene oil boilers	<i>prices sought</i>
	<b>Inniscarra Wastewater Laboratory</b>	Replace 25-year-old kerosene oil boiler with air-to-water heat pump and associated works- completed	<i>completed</i>
		Insulate attic space	<i>completed</i>
		Replace single glazed PVC doors	<i>Scheduled for completion Q1 2022</i>
	<b>E&amp;CC</b>	Indoor Lighting replacement	<i>Contractor appointed; works have commenced</i>
		Building EE Audit (15 no. buildings)	<i>Desktop studies and site surveys completed, reports underway</i>
		Energy Management Software	<i>Consultant appointed</i>



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<b>Directorate</b>	<b>Section</b>	<b>Action</b>	<b>Comment</b>
<b>Roads &amp; Transportation</b>	<b>Fleet Mgmt Unit</b>	Fuel monitoring data analytics – as recommended by the 2019 energy efficiently audit (High KWWhs saving potential)	€17,000 <i>Implementation is progressing - Fuel card and Jigsaw data being received by Transpoco software</i>
		Newberry office – attic insulation (High KWWhs saving potential)	€13,000 – <i>under consideration by FMU</i>
<b>Municipal Districts</b>	<b>Library Service</b>	Charleville - door screen	<i>works start date to be confirmed with contractor this week. Projected delayed due to change of personnel in Architects. Dep.</i>
		Skibbereen - Entrance door replacement	<i>Completed</i>
		Cobh- heating system upgrade & TRV controls for rads	<i>completed</i>
		Ballyvourney LED lighting & storage heating replacement	<i>completed</i>
		Midleton windows & roof repairs	<i>Scope of works under investigation by Architects dept. Liaison with architect's department suggested that input from Environment Department might be sought on the feasibility of different heating systems and their value for money.</i>
		Clonakilty - Change oil fired underfloor heating to electric heating	<i>prices being sought</i>
		Bantry - Change electric underfloor heating to electric wall radiator heating	<i>prices being sought – No progress due to budget constraints, plan to review in 2022</i>
		Passage west - Upgrade of lighting to LED.	<i>completed</i>
		Replacement of three 16-year-old mobile libraries will mean a significant carbon emissions reduction in 2021 and onwards.	<i>Completed</i>
		Youghal library – retro fit of light fittings with LED's by the Energy & Climate Section	<i>Contractor has visited and assessed site. Works due to be completed in Q1 2022</i>
	<b>Architects</b>	Kinsale - Old Mill Library	<i>Works ongoing</i>
		Kanturk Fire Station	<i>commissioning</i>
		Macroom Fire Station	<i>Works ongoing</i>
	<b>Mallow Leisure Centre</b>	<i>Pool cover</i> Advertising/seeking Tenders for Consultancy Services for the Detail Design regarding the Upgrade of Mallow Pool including energy efficiency works such as new windows, roofing, and improved AHU's	€7,500, <i>on order ongoing</i>
	<b>Fermoy Leisure Centre</b>	Development of Tenders Document seeking a contractor to over roof Fermoy Swimming Pool c/w the installation of Solar PV Panels	<i>Underway</i>

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Directorate	Section	Action	Comment
		Replacement of windows & doors phase 2 LED Lighting retrofit completed	Completed Completed
	<b>MD - Offices</b>	<b>Annabella</b> Ground floor & basement window replacement/ heating controls/ LED lighting installation/ lab building roof insulation	Awaiting window installation;
		<b>Midleton Lodge</b> Window repair/ LED installation/ heating controls	completed
		<b>Spa House</b> Window repair/ LED installation/ heating controls & new energy saving heaters/ underfloor insulation/ new attic insulation	completed
	<b>Planning</b>	<b>Norton House</b> New gas boiler & heating controls / windows/ LED Lighting/ attic insulation	Heating controls and boiler being commissioned; windows on order; LED Lighting complete; attic insulation complete
	<b>IT</b>	ICT - SAN replacement with SSD drives	completed
		ICT- removal of physical phones and replace with CISCO Jabber phones	ongoing
		ICT - Desktop PC changeover to Laptop PCs	completed

**Table 1 2021 EMAP actions**

Note the above actions are dependent on funding approval within the respective Directorate.

### 2.7.2.4 Important dates

Date	Description
29th & 30th March & 31 <sup>st</sup> March 2022	ISO 50001 re-certification audit

**Table 2 2021 key dates**

### 2.7.2.5 ISO 50001

Cork County Councils Energy Management System (EnMS) is accredited to the ISO 50001 standard. Cork County Council is therefore compliant with SI 426, which is the statutory instrument that requires all large organisations to either have completed an organisational energy audit or have implemented an approved EnMS. An ISO 50001 surveillance audit was successfully completed on the 11th & 12th May 2021.

### 2.7.2.6 Significant Energy Users (SEU)

ISO 50001 is an organisational energy management system. A requirement of the ISO 50001 accreditation is that Cork County Council continuously monitors and reports on its SEU's. Cork County Council has four nr. Significant Energy Users (SEU). Cumulatively they account for more than 80% of all energy consumption. The 2019 percentage breakdown is provided below:

- Public Lighting (37%)
- Fleet (33%)
- County Hall campus (5%)
- Leisure Centres (8%)
  - Fermoy
  - Mallow
  - Dunmanway

### 2.7.2.7 Energy Efficiency Status

The Energy & Climate Change Section monitor the energy consumption of each SEU monthly using Energy Performance Indicators (EnPI). The EnPI for each Significant Energy User is described as follows:

- **County Hall has two EnPIs**
  - A formula called CUSUM predicts what energy should have been used based on past performance and is adjusted for weather conditions.
  - kW/m<sup>2</sup>/year
- **Fleet**
  - Is based on the average monthly litres/100km over the past 12 months.
- **The Swimming Pools**
  - A formula called CUSUM predicts what energy should have been used based on past performance and is adjusted for weather conditions.
  - kW/m<sup>2</sup>/year
- **Public lighting** is calculated as the average wattage per lamp in the County. This energy performance indicator (EnPI) is reviewed annually.

The E&CC Section are currently reviewing the appropriateness of these EnPIs as part of CCC ISO 50001 compliance. New or additional EnPIs may be agreed with the relevant SEUs as part of this review process where required. Monthly EnPIs for 2020/ 2021 are presented in Figure 2 hereunder:

## Environment/Climate Action/Emergency Services/Rural Broadband

Monthly SEU Energy Performance Indicators (EnPI)													
		County Hall		Mallow Pool		Fermoy Pool		Dunmanway Pool		Fleet	Public Lighting		
Heating Degree Days	Monthly Actual Gas Y	Total Energy kWh/m2/year	Monthly Actual Energy Use v	Total Energy kWh/m2/year	Monthly Actual Energy Use v	Total Energy kWh/m2/year	Monthly Actual Gas Y	Total Energy kWh/m2/year	Monthly Actual Gas Y	Total Energy kWh/m2/year	Litres/ 100km/ year (rolling 12 monthly EnPI)	Watts/ lamp	2020 Annual Average
	Predicted Gas use	(rolling 12 monthly EnPI)	Predicted Energy Use	(rolling 12 monthly EnPI)	Predicted Energy Use	(rolling 12 monthly EnPI)	Predicted Gas use	(rolling 12 monthly EnPI)	Predicted Gas use	(rolling 12 monthly EnPI)	16.61	117.44	
	(above/below baseline of 0%)		(above/below baseline of 0%)		(above/below baseline of 0%)		(above/below baseline of 0%)		(above/below baseline of 0%)		17.27	122.14	4% Yellow warning
											17.93	126.83	8% Red warning
Oct-20	182	4%	129	-20%	814	22%	433	-32%	777	16.64	117.44		
Nov-20	206	12%	127	-37%	784	10%	445	-68%	726	16.55	117.44		
Dec-20	306	-2%	127	3%	797	51%	450	-39%	701	16.61	117.44		
Jan-21	335	2%	124	-33%	783	38%	480	-45%	667	16.72	117.44		
Feb-21	265	11%	124	-121%	714	17%	502	-65%	610	16.70	117.44		
Mar-21	256	1%	121	-87%	678	31%	505	-78%	571	16.42	117.44		
Apr-21	241	-13%	121	-114%	682	-29%	530	-81%	559	16.69	117.44		
May-21	192	-15%	121	-111%	687	-2%	550	-78%	564	17.06	117.44		
Jun-21	74	0%	121	-22%	712	40%	576	-23%	579	17.17	117.44		
Jul-21	29	9%	121	-49%	711	67%	618	6%	603	17.31	117.44		
Aug-21	35	6%	120	-58%	713	83%	665	-59%	573	17.06	117.44		
Sep-21	48	-3%	118	-60%	699	57%	707	-45%	564	17.02	117.44		

Figure 2 SEU Monthly Energy Performance Indicators

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