

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: NORTHERN COMMITTEE – FEB 2022 ENVIRONMENT/CLIMATE ACTION/EMERGENCY SERVICES/RURAL BROADBAND

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



LOUIS DUFFY
 DIRECTOR OF SERVICE
 DATE: FEBRUARY 2022

Environment/Climate Action/Emergency Services/Rural Broadband

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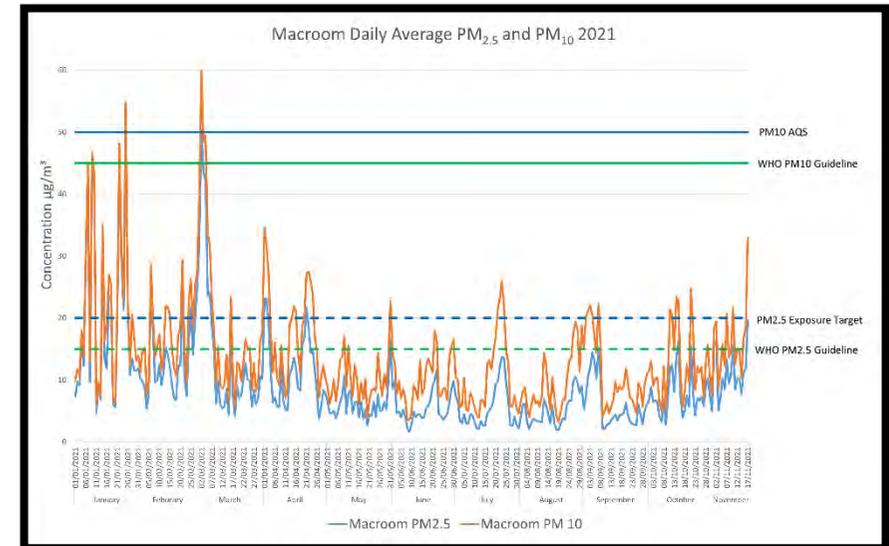
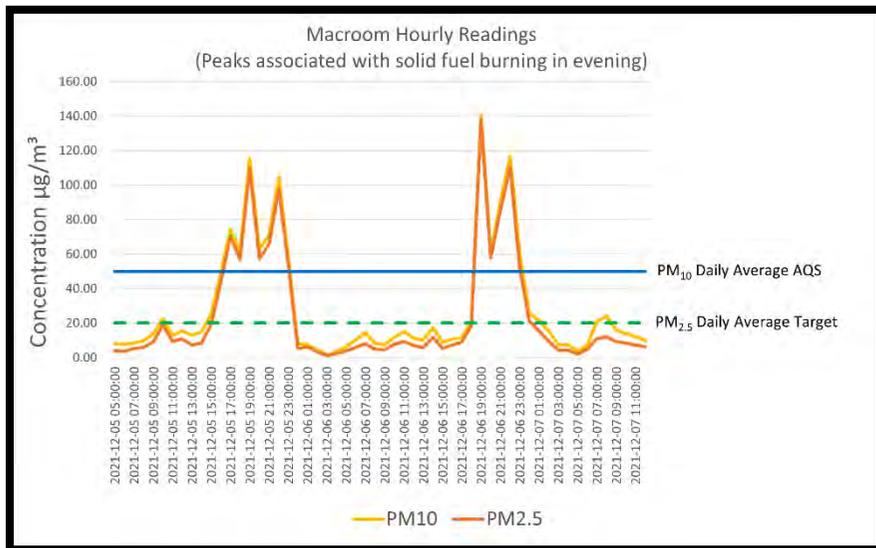
1. Part 1 News & Updates

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 5th and 6th 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_{2.5} and almost twice as many daily exceedances of the WHO Average 24hr AQG for PM_{2.5} 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 Grants available for communities to deliver water, biodiversity, and climate action initiatives

The Community Water Development Fund 2022 is open for applications until **12 noon on Tuesday, 15th March 2022.**!

Your local community or voluntary group can 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.

A funding Webinar took place recently to help those involved in Community Groups who would like to make application. That Webinar can still be viewed here: [WEBINAR](#)

You can complete the grant application form online at LAWaters.ie . 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. Email funding@lawaters.ie or contact us at [Facebook.com/LAWPROteam](https://www.facebook.com/LAWPROteam).



(12_2021_S)

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



The draft River Basin Management Plan for Ireland 2022-2027 remains open for public consultation until 31st March last. Details on how to make submissions, observations and comments on the proposed plan can be found at <https://www.gov.ie/draftRBMP>.

(10_2021_W)

1.4 Climate Action & 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. 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

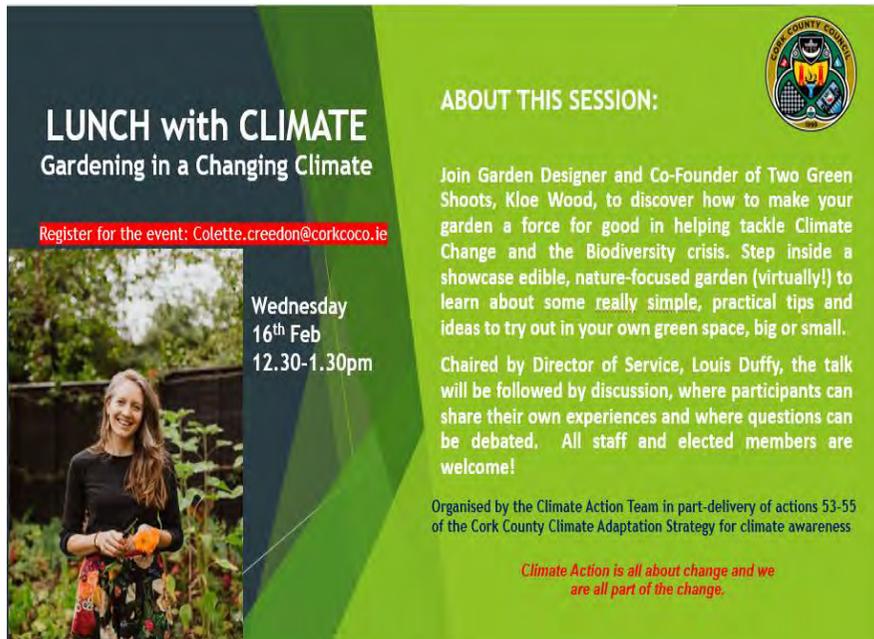
A Consultant was appointed to carry out an indoor lighting survey at 37 locations across County Cork. The sites represent a diverse mix of building uses from fire stations to offices, libraries, and museums.

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 20th of December 2021 and is ongoing.

Climate Action Update

Lunch with Climate



LUNCH with CLIMATE
Gardening in a Changing Climate

Register for the event: Colette.creedon@corkcoco.ie

Wednesday
16th Feb
12.30-1.30pm

ABOUT THIS SESSION:

Join Garden Designer and Co-Founder of Two Green Shoots, Kloe Wood, to discover how to make your garden a force for good in helping tackle Climate Change and the Biodiversity crisis. Step inside a showcase edible, nature-focused garden (virtually!) to learn about some really simple, practical tips and ideas to try out in your own green space, big or small.

Chaired by Director of Service, Louis Duffy, the talk will be followed by discussion, where participants can share their own experiences and where questions can be debated. All staff and elected members are welcome!

Organised by the Climate Action Team in part-delivery of actions 53-55 of the Cork County Climate Adaptation Strategy for climate awareness

Climate Action is all about change and we are all part of the change.

The first Lunch with Climate talk for 2022 will take place on the 16th of February. The talk is open to staff members, elected representatives and Environment SPC members. This talk will focus on Gardening for a Changing Climate. Please refer to the invite for further details.

Voices of Experience – Collection of Climate Stories

The book of Climate Stories, written by older citizens of Cork is now being printed and will be released in March. The initiative aims to raise awareness of climate change particularly focusing on the emotional responses of contributors to climate change in Cork County. The book will be available digitally on the Council website and through the libraries.



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
- 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.

(02_2022_N)

1.5 Community Environmental Awareness Programmes

1.5.1 Sustainable Gardening Workshop

Recently we announced a free online Sustainable Gardening course suitable for beginners and more advanced gardeners alike due to begin on 10th February from 10-11am. Horticulturist Aoife Munn will be delivering this five-week course, which will be lively, interactive and covers everything from pollinator planting, creating wildflower areas to growing vegetables and much more. This course is particularly interesting for Tidy Towns groups, Allotment Holders, Green Schools Coordinators and those wishing to really reduce their impact on the planet. 50 places were made available on the course and due to very popular demand two additional courses were opened for registration due to begin on Wednesday 9th February from 7-8pm and Thursday 10th February from 12.30-1.30pm. All three courses booked out with 160 people registered to participate from across the county with an additional 60+ people on a waiting list.



1.5.2 Circular Fashion Workshops



Four county secondary schools, including Coláiste Treasa, Kanturk and Coláiste Fionnchua, Mitchelstown, are to participate in Circular Fashion workshops, funded by Cork County Council and supported by the Southern Region Waste Management Office.

In a world of fast fashion, the workshops will explore the true cost of our clothing, the complexities of the global fashion industry and the impact it has on both our planet and people. The fashion industry is known to be a significant contributor to climate change and students will explore ways we can transition and make sustainable fashion attainable. Circular Fashion Ireland will navigate students through the world of sustainable fashion, via reuse and repair, sustainable brands, who to follow and how to avoid greenwashing. The workshops will look to equip students with the information to aid conscious purchase decisions that reduce their clothing's carbon footprint.

1.5.3 Paint Reuse Scheme in North Cork

Following on from the launch of the **Revive Paint** circular economy initiative in 2021, we are delighted to welcome **IRD Duhallow**, as the third social enterprise in the county that will be collecting unwanted paint from Cork County Council civic amenity sites. Along with Cycle Sense in Skibbereen and Northside Community Enterprises in Farranferris, Cork City, they will filter, remix, recolour and repackage the paint they collect from civic amenity sites, producing a high-quality paint to sell within their local communities. IRD Duhallow will collect paint from Kanturk and Millstreet civic amenity sites initially. Other participating sites in Cork County include Derryconnell, Clonakilty and Raffeen.

The Revive Paint initiative is supported by the Environmental Protection Agency (EPA) and tackles a significant problem waste stream in Ireland. In Cork county and city, up to 190 tonnes of paint are collected at civic amenity sites annually and are mostly exported for treatment – at a cost to local authorities and more importantly to the environment. It is estimated that approximately 60% of this waste paint is water based, much of which could be reused and upcycled.



1.5.4 Dispose of Unused Medicines Properly (DUMP) campaign launched

Unused or out of date medicine can pose a danger in the home and can also cause damage to the environment. Cork County Council in collaboration with Cork Kerry Community Healthcare is asking the public to use a free service to dispose of them over the next few weeks. The free 'Dispose of Unused Medicines Properly' (DUMP) campaign is running from Monday March 14th until Friday April 22nd and will allow everyone to bring unused or out of date medicines to participating pharmacies to make sure they are disposed of properly. These medicines should not be put in the bin or flushed away as this poses a danger to children, pets, the environment and our water systems.

Cork Kerry Community Healthcare has organised the DUMP campaign with pharmacists in Cork and Kerry with support from Cork County Council, Cork City Council and Kerry County Council. Almost all pharmacies in Cork and Kerry are taking part in the campaign and are encouraging people to return unwanted or out of date medicines to them so that they can be disposed of safely and properly.



1.5.5 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 5th place bringing the total number of winners to 16.



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, bringing the total number of schools receiving water refill units to 31.

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

1.5.6 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
- **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 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 to request a workshop.

1.5.7 Green Schools Case Study – Gaelscoil de hÍde Fermoy

Gaelscoil de hÍde in Fermoy are very busy working on year 2 of the Global Citizenship Travel theme and are applying for their 9th Green Flag this year! They have been busy enjoying more sustainable methods of transport to school and took part in National Bike Week and Clean Air Week. They created some lovely bicycle artwork during National Bike Week to highlight the importance of sustainable travel to school, for wellbeing and the environment. They took part in a speed survey where they measured the speed of cars passing the school and found that 99% of cars remained within the speed limit. They completed a travel to school map to find out how far pupils had to travel and where they travelled from. They took part in 'Ceadaoin na gCos' and found that the number of pupils walking to school increased from 35% to 69%. As part of the Global Citizenship aspect of the theme they created a world map to represent the different nationalities in the school and they also planted a tree in the school grounds. The pupils are busy preparing for their renewal visit in February and they hope to have a new Green Flag to celebrate over the coming months.



(02_2022_N)

1.6 Major Emergency Management (MEM) Update

COMAH Sites

A live Exercise to test the External Emergency Plan for MarinoChem Cobh took place on 3rd 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.

MEMC

Cork County Council's Major Emergency Management Committee (MEMC) met on 26/01/2022. The major emergency management work programme for 2022 was agreed at this meeting.

1.7 Controlled Burning

Cork County Council wishes to remind all land and property holders that it is illegal to cut, grub, burn or otherwise destroy, any vegetation growing on any land not then cultivated or in course of cultivation for agriculture or forestry between **1st March and 31st August** each year pursuant to the Wildlife Acts, 1976 and 2000.

Uncontrolled fires pose a danger to wildlife, property, infrastructure, the environment and potentially, human life. They can be a significant and prolonged draw on Cork County Council Fire Service resources and may compromise their ability to respond to other incidents such as road traffic collisions or domestic fires.

The burning of waste is an illegal practice and is an offence under the Waste Management Act, 1996, as amended, the Air Pollution Act, 1987 and the Waste Management (Prohibition of Waste Disposal by Burning) (Amendment) Regulations, 2020.

The previous exemption under the Waste Management (Prohibition of Waste Disposal by Burning) Regulations, which allowed farmers to dispose by burning untreated/uncontaminated wood, trees, trimmings, leaves, bushes or similar materials generated by agricultural practices expired on the 1st January 2022 and while there have been reports in the media that the Minister may extend the exemption, at time of going to print on this report Cork County Council has had no formal notification of this.

In accordance with the regulations, a farmer must notify a local authority in advance of the intention to burn agricultural green waste. “Notice to Burn” forms may be obtained from the Councils anti-litter unit – email antilitterunit@corkcoco.ie or tel 021 4285417 (9am-5pm Mon-Fri) or alternatively call the 24-hour National Environmental Complaints Line on 1850 365 121.

In addition, a farmer must also notify the Fire Service by calling 999/112, prior to conducting a controlled burn. Note the emergency call centre will only accept calls from those who have complied with the requirements outlined in the preceding paragraph and are otherwise entitled to burn agricultural green waste.

Burning of such wastes arising from agricultural activities may only be undertaken as a final measure following the application of the following waste hierarchy:

- Waste arisings are reduced in accordance with best agricultural practice.
- Waste is reused where practicable.
- Waste is recycled through shredding and used as compost or wood chippings.
- Waste is salvaged for use as fuel where practicable.

(02_2022_N)

1.8 Online Survey in Relation to defects in apartment and duplex buildings

The Programme for Government sets out a number of commitments in respect of the important policy area of building defects and provides for an examination of defects in housing, having regard to the recommendations of the Joint Oireachtas Committee on Housing report, "Safe as Houses".

In this context, the Minister for Housing, Local Government and Heritage, Darragh O'Brien, TD, has established a Working Group to Examine Defects in Housing.

To date, the Working Group has been engaging with key stakeholders and stakeholder representative groups. Using an online survey, it is now seeking the experiences of:

- Homeowners (both current and former)
- Landlords (including private investor/owner, institutional/commercial, Approved Housing Body, Local Authority etc.)
- Directors of Owners' Management Companies (OMCs)
- Property Management Agents

The Working Group is asking people to provide information on their experiences of defects relating to fire safety, structural safety and water ingress in purpose-built apartment and duplex buildings constructed in Ireland between 1991 and 2013.

Information is sought from people regardless of whether such defects in those properties are currently known, unknown or where no such defects have arisen. The surveys will run for six weeks from Monday 31 January 2022 to 5pm on Monday 14 March 2022.

The surveys, an explanation on how the survey responses will be used by the Working Group, the Working Group membership, its terms of reference and a privacy statement relating to the surveys can all be accessed from the following link:

<https://www.gov.ie/en/consultation/7e319-online-survey-in-relation-to-defects-in-apartment-and-duplex-buildings/>

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Additionally, NBI provide the breakdown per Deployment area across the county as presented below.

Deployment Area	# Premises in County Cork	Anticipated Date For Connection	Status
Carrigaline	4506	Available	Ready For Service
	1139	January 22	In Build
Midleton	8273	March 22 - May 22	Build In Progress
Youghal	2233	May 22 - Oct 22	Build In Progress
Rathmore	2089	March 23 - May 23	Survey Underway
Fermoy	3738	Jan 23 - Dec 24	Survey Underway
Eyeries	1467	Jan 23 - Dec 24	Survey Planned
Kanturk	3861	Jan 23 - Dec 24	Survey Planned
Kilcrohane	457	Jan 23 - Dec 24	Survey Planned
Lauragh	400	Jan 23 - Dec 24	Survey Planned
Tallow	831	April 23 - June 23	Survey Planned
Templemartin	6116	Jan 23 - Dec 24	Survey Planned

Deployment Area	# Premises in County Cork	Anticipated Date For Connection	Status
Abbeyfeale	44	Jan 25 – Dec 26	Survey Pending
Ballingeary	837	Jan 25 – Dec 26	Survey Pending
Bantry	3748	Jan 25 – Dec 26	Survey Pending
Carriganimmy	4013	Jan 25 – Dec 26	Survey Pending
Charleville	2220	Jan 25 – Dec 26	Survey Pending
Clonakilty	5635	Jan 25 – Dec 26	Survey Pending
Dunmanway	4248	Jan 25 – Dec 26	Survey Pending
Grenagh	6125	Jan 25 – Dec 26	Survey Pending
Killavullen	3161	Jan 25 – Dec 26	Survey Pending
Kinsale	3355	Jan 25 – Dec 26	Survey Pending
Meelin	2003	Jan 25 – Dec 26	Survey Pending
Mitchelstown	1588	Jan 25 – Dec 26	Survey Pending
Schull	2263	Jan 25 – Dec 26	Survey Pending
Skibbereen	3593	Jan 25 – Dec 26	Survey Pending

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NBI continue to operate a dedicated e-mail service at 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.

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, Midleton 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 Remedial Plan for 2021 envisaged almost 60,000 premises passed by the end of December 2021.

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 and Caheragh Community Centre.

Environment/Climate Action/Emergency Services/Rural Broadband

NBI are working towards all remaining BCP's being operational by end of 1st 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
The Old Mill, Castletownroche	North	Fermoy MD	Installation in progress
Glengarriff Community Centre	West	West Cork MD	Awaiting Commencement Date

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 has appointed Paradyn to undertake deployment of access points across the county and a delivery programme is being formulated.

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.

(02_2022_N)

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
Total number of turnouts to fires	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%	
Total number of turnouts to non-fire emergencies	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
Q1 Total	62	60
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
Q2 Total	111	75
Jul-21	35	38
Aug-21	26	34
Sep-21	23	18
Q3 Total	84	90
Oct-21	16	24
Nov-21	36	17
Dec-21	23	22
Q4 Total	75	63
Ytd Total	332	288

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
Q1 Total	421
Apr-21	158
May-21	147
Jun-21	132
Q2 Total	437
Jul-21	105
Aug-21	117

Environment/Climate Action/Emergency Services/Rural Broadband

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

Disability Access Certificates (DAC)

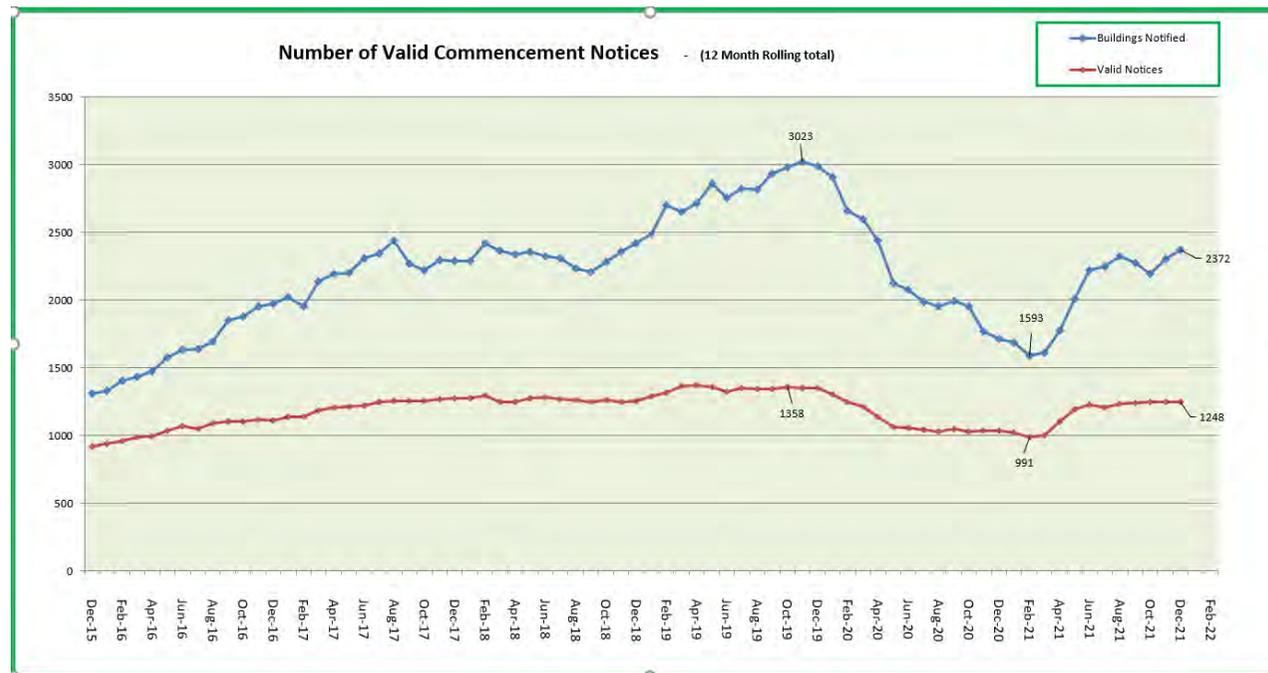
Number of Access Certificates received and Decided (granted, Granted with conditions or Refused during the quarter)

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
Q1 Total	48	41
Apr-21	19	15
May-21	26	17
Jun-21	25	26
Q2 Total	70	58
Jul-21	23	22
Aug-21	13	25
Sep-21	23	17
Q3 Total	59	64

Environment/Climate Action/Emergency Services/Rural Broadband

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



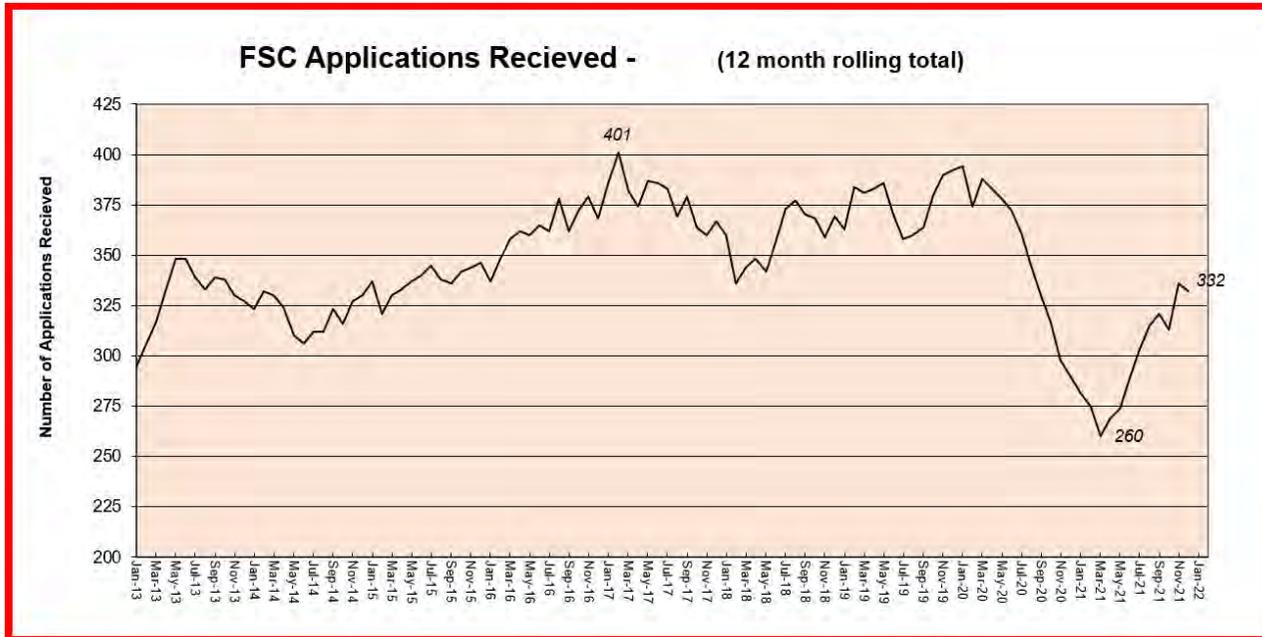
Environment/Climate Action/Emergency Services/Rural Broadband

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
Total	1,307	1,974	2,287	2,419	2,989	1,714	2,372

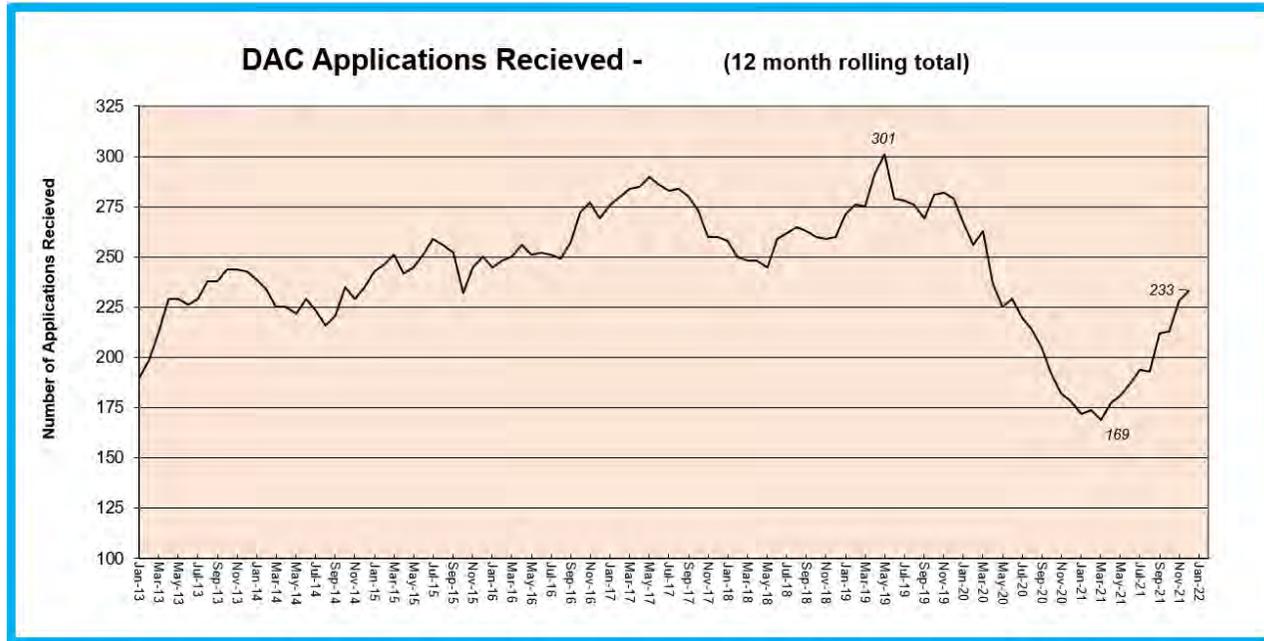
Buildings - Per Quarter							
	2015	2016	2017	2018	2019	2020	2021
Quarter 1	249	376	539	613	848	455	349
Quarter 2	354	551	725	690	792	276	887
Quarter 3	431	649	606	487	664	577	631
Quarter 4	273	398	417	629	685	406	505

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
Total	920	1,114	1,275	1,256	1,348	1,034	1,248

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

➤ **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.

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 15th to 17th

- day search in Baltimore from Dec 15th – 17th
- Cork West drone unit, boat crew, search teams and search management all deployed.
- Missing person recovered by divers on Dec 17th.

Storm Barra Severe Weather Response Dec 5th & 6th

- 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

➤ **January 2022 = 60 hrs**

- 7 Days supporting Irish Blood Transfusion Services (IBTS) clinics in Clonakilty, Bandon and Dunmanway.

Total Cork North/East Civil Defence Volunteer Hours for Operational Activities

➤ November 2021 = 134 hrs

- 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
- 19th Nov missing persons Nagle Mountains,
- 21st Missing person Glanmire,

➤ December 2021 = 423 hrs

- 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
- 15th 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

Environment/Climate Action/Emergency Services/Rural Broadband

➤ January 2022 = 37 hour

- IBTS Clinic Mitchelstown 3 volunteers
- Missing person search Galtymór Mitchelstown 12 Volunteers



North/East Volunteers involved in IBTS Clinic

Total Cork West Civil Defence Volunteer Hours Training

➤ November 2021

Ongoing Training

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

Completed Training

2. Rescue 3 Swiftwater and Flood First Responder Training provided to Cork North/East volunteers: 7 x Students.



Rescue 3 Swiftwater and Flood First Responder Training provided to Cork North/East volunteers

➤ December 2021

Ongoing Training

- Emergency Medical Technician (EMT) Course: 3 x Students.
- Civil Defence and LA induction training brief for 9 new volunteers conducted on Dec 9th.

➤ January 2022

Ongoing Training

1. Emergency Medical Technician (EMT) Course: 3 x Students.
2. Cardiac First Responder (CFR) Community training commenced with 13 x New Cork West Volunteers

Completed Training

Rescue 3 Swiftwater and Flood First Responder Training



Swiftwater and Flood First Responder Training

Total Cork North/East Civil Defence Volunteer Hours 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 T raining 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
- 28th Extreme weather training Kilworth Camp,
- 20th Swift Water Course Skibbereen,



Severe weather off road 4x4 T raining Course Cork North/East

Environment/Climate Action/Emergency Services/Rural Broadband

➤ 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



North/East Pump Drill Training

➤ January 2022

- Online Drone Operator Training

2.3 Water

2.3.1 Public Drinking Water Monitoring Program 2021:

Covid-19 update:

On 30th 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 5th 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
Private Group WS	25	50	69	950	1,238	95.6%
<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>
Small private supplies	159*	200	210	3,600	3,638	87.3%**
<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 <500 AND I. Enterococci <100</i>	No of non-compliant samples 2021 <i>E. coli > 500 OR I. Enterococci >100</i>
29	181	190	184	6
<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%
	Total		634	715	187	26%	12

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
Total	61	62	38	61%	38	8

Septic tanks inspection programme for 2021 commenced on 1st 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 1/7/2013 to 31/12/2020	No. of Septic Tank inspections undertaken to 31/12/2020	No of non-compliant systems identified	% non-compliances identified	No. of Advisory Notices issued	No. of Advisory Notices Complied with by 31/12/2021
Total	624	638	352	55%	352	321

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	146	79	25	19	17	17	0	1
1/1/2015 - 31/12/2015	99	58	9	19	18	11	0	1
1/1/2016 – 31/12/2016	102	68	25	16	8	18	0	1
1/1/2017 – 31/12/2017	112	63	10	17	2	25	0	9
1/1/2018 – 31/12/2018	60	21	6	3	2	8	0	2
1/1/2019 – 31/12/2019	60	31	8	12	3	4	0	4
1/1/2020 – 31/12/2020	59	32	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
National Inspection Plan	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
High Status Areas	N/A	N/A	N/A	N/A	N/A	N/A	1 Incomplete Application	2 applications submitted, & approved, works in progress
Priority Areas for Action	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:

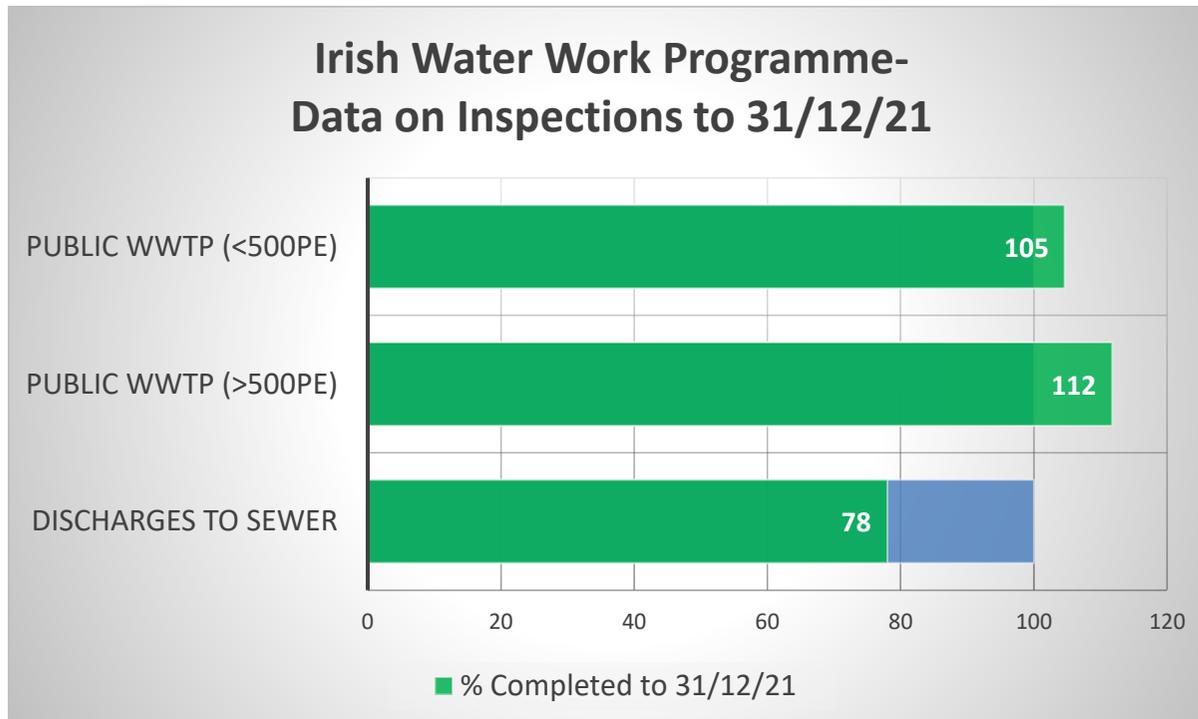


Figure 1: IW Work Programme- Inspections

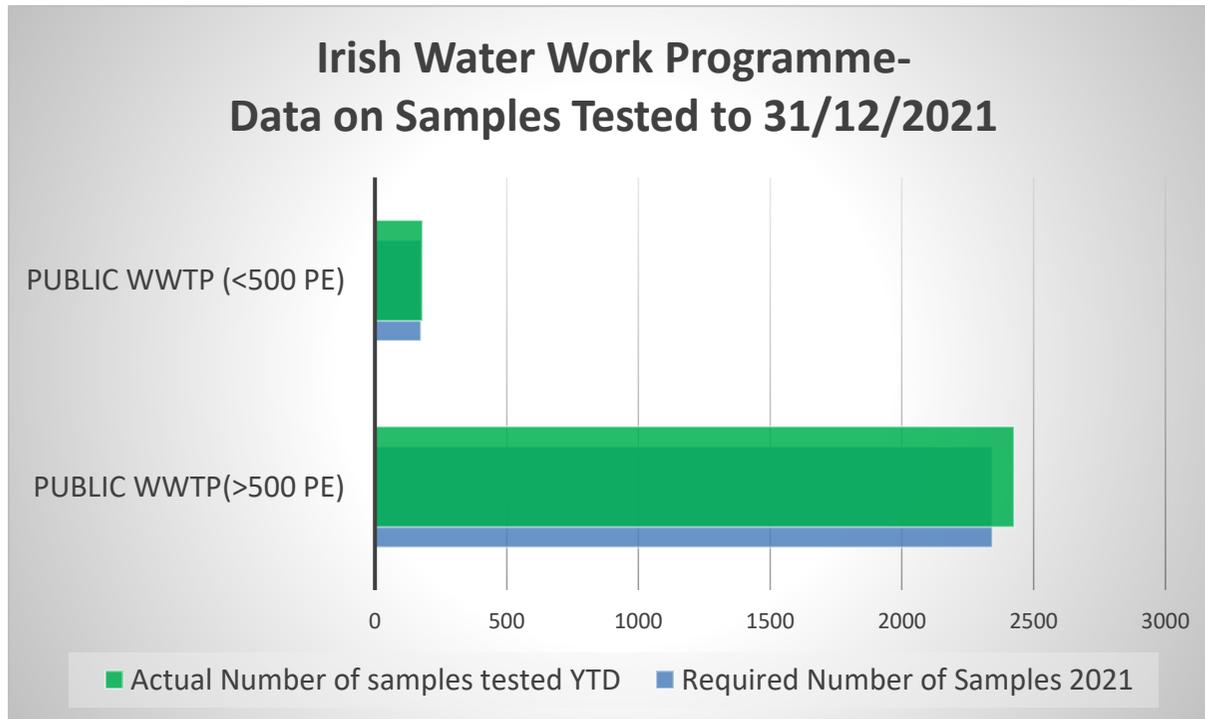
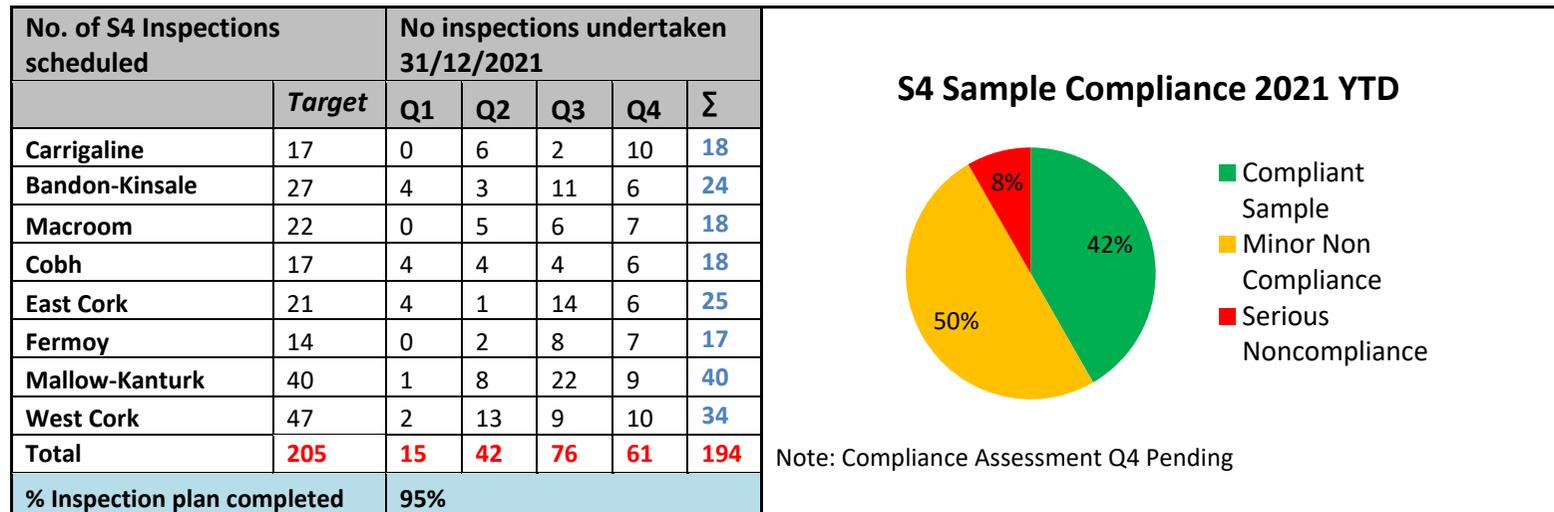


Figure 2: IW Work Programme – Samples

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>.

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 NPHEAT 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
	TOTAL	10	10	10	10	10	0
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
	TOTAL						
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

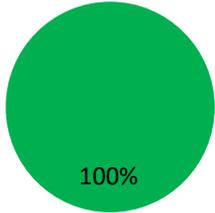
Licence Type	Municipal District	Q4 2020	Q1 2021	Q2 2021	Q3 2021	Q4 2021	+/- on Q3 2021
	Kanturk/Mallow	6	6	6	6	7	1
	West Cork	5	6	6	6	6	0
	TOTAL	32	33	33	32	39	7
Petroleum Vapour Certificates	Bandon/Kinsale	4	4	4	6	11	5
	Carrigaline	6	6	6	6	6	0
	Macroom	6	5	5	7	10	3
	Cobh	7	7	7	8	8	0
	East Cork	8	6	6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

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
Total	20	0	10	0	10	0
% Inspection plan completed		100%				

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 ¹	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%
Total	20	0	50	2	3	0	96%

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
Total	40	0	19	0	0	0	100%

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
Total	1	0	1	0	0	0	100%

* 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.

¹ 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.

2.5. Waste

2.5.1. Inspections 1st October – 31st 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	79
Waste Collection Permit	1	0	0	3	1	1	2	1	9	28
Food Waste (includes domestic and commercial) ¹	0	0	0	0	0	0	0	0	0	85
Unauthorised End Of Life Vehicle site	0	1	1	2	0	1	1	2	8	44
Producer Responsibility (WEEE/Tyres/Packaging/etc.) ¹	0	0	0	0	0	0	0	0	0	196
Complaint Investigation	24	22	24	23	19	20	65	34	231	1105
Multi-Agency Operations	0	1	0	2	0	0	0	0	3	11
Vehicle Checkpoints ²	0	0	1	0	0	6	5	0	12	16
Total	26	25	27	32	21	28	75	44	278	1564

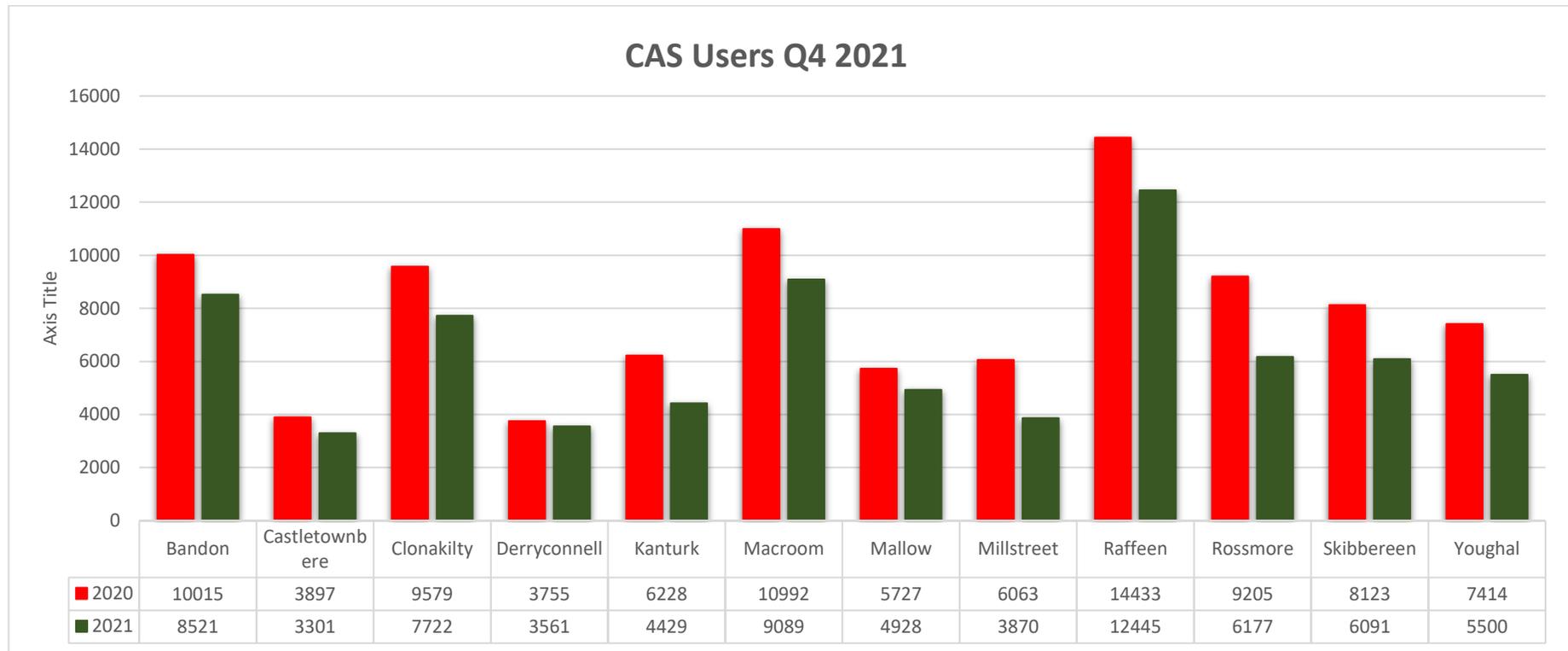
* YTD totals updated in February 2022

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

Environment/Climate Action/Emergency Services/Rural Broadband



2.5.3. Decisions made Waste Facility Permit & Waste Cert of Registration Applications October 1st – 31st 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
2021 Totals	0	1	7	0	0	3	3	1
2020 Totals	1	2	1	9	3	4	6	8

Environment/Climate Action/Emergency Services/Rural Broadband

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	6,948.37	5,391.93
Beverage Cans	30.33	27.77	24.47	16.72	99.29	95.97
Food Cans	32.52	30.03	26.88	16.42	105.85	111.35

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
TOTAL 2021	29	29	19	22	0	0	0	0	13	24	20	12	3	3	2	1
TOTAL 2020	26	5	115	59	0	2	3	27	38	3	55	58	15	4	1	0

^ Includes fines issued by Municipal District staff

*For data on fines issued by staff of other 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
TOTAL 2021	29	29	19	22
TOTAL 2020	26	5	115	59

2.5.7. Litter Fines - Municipal District 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	0	0	0	0	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	0	0	0	0
Macroom	0	0	0	0	0	0	0	0	2	1	70	0	0	1	1	0
Cobh	8	111	13	10	2	2	2	2	2	109	6	2	2	1	2	0
East Cork	29	19	1	5	1	2	0	1	26	117	0	0	1	0	1	0
Fermoy	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Kanturk / Mallow	5	2	6	4	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	0	0	0	0
TOTAL 2021	43	132	20	20	3	4	2	3	30	227	76	2	3	2	4	0
TOTAL 2020	26	5	115	59	0	2	3	27	38	3	55	58	15	4	1	0

*table updated in February 2022

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
Total excl Dumping Line 2021	747	656	553	340	2296
Total excl Dumping Line 2020	478	861	705	408	2452

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
2021 Totals	211	471	194	319	241	216	349	301
2020 Totals	197	419	225	391	186	300	332	398

Environment/Climate Action/Emergency Services/Rural Broadband

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
TOTAL	1	10	1	1	3	1	3	0

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	27,612	30,699
									An Post 18,731	
General Dog Licences	5	18	0	6	11	7	10	12	69	81
									An Post n/a	
Life Time Licences	101	92	66	109	137	65	123	132	825	655
									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	177	293
Section 16(1) notices issued	38	43	39	50	61	40	57	47	375	725
Prosecutions issued	12	8	1	4	22	21	1	8	77	31

Environment/Climate Action/Emergency Services/Rural Broadband

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
Total No. Establishments.	1	5	1	3	8	9	4	6	37	40

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
Totals	21	2	6	4	5	6	10	16	2	72	75

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:

- CARO has commenced work under the 2022 CARO Work Plan which has been developed and agreed with the Department of the Environment, Climate and Communications
- Climate Action Regional Office, Atlantic Seaboard South Region, transitioned all its meetings physical meetings to video conferencing during COVID 19. 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 and national projects are being progressed:
 - 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 Q2 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 to assist with the project. The estimated completion date for the Project is late 2022. The Project is progressing with literature review recently complete and the consultation stages ongoing.
 - CARO are developing a Climate Action Information Note for Local Authority Housing Departments for their Tenants. 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

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woodland creation 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. CARO construe to work with their Local Authorities in progressing projects under this scheme.

- 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:
 1. Championing Leadership
 2. Raising Awareness
 3. Building Capacity
 4. Empowering Change
 5. Delivering Action
 6. Actioning Policy

In this Region:

‘Championing Leadership’ training of Elected Members and Senior Staff has taken place for:

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

‘Building Capacity’ training for Local Authority Climate Action Teams took place for the five local authorities in the Atlantic Seaboard South Region. in December 2021 and January 2022.

Nationally, ‘Raising Awareness’ – for all LA staff has taken place in 2021. **11,703** Local Authority indoor staff have completed this training. Staff across all 31 Local Authorities are currently being given a final opportunity to complete this training during January & February 2022.

The ‘Empowering Change’ training is due to commence with a pilot session in March 2022 and with a regional rollout thereafter.

See 1.4 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).

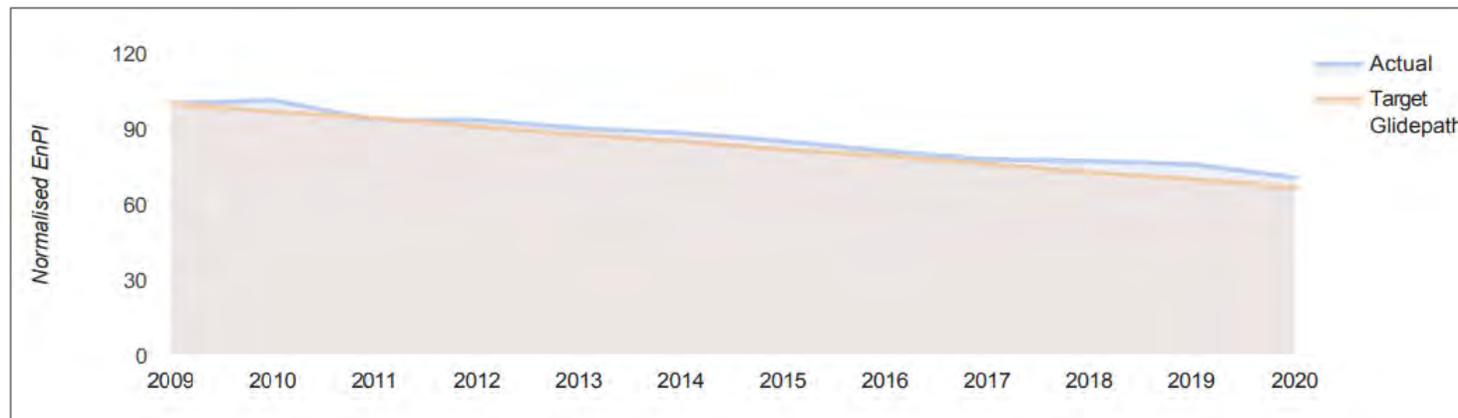


Figure 1 Cork County Council's energy efficiency performance glide path for 2020 from SEAI M&R

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.

Directorate	Section	Action	Comment
	Public Lighting	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>
Environment	Fire Stations	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>
	Inniscarra Env building	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>
	Inniscarra Wastewater Laboratory	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>
	E&CC	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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Directorate	Section	Action	Comment
Roads & Transportation	Fleet Mgmt Unit	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>
Municipal Districts	Library Service	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>
	Architects	Kinsale - Old Mill Library	<i>Works ongoing</i>
		Kanturk Fire Station	<i>commissioning</i>
		Macroom Fire Station	<i>Works ongoing</i>
	Mallow Leisure Centre	<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>
	Fermoy Leisure Centre	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
	MD - Offices	Annabella Ground floor & basement window replacement/ heating controls/ LED lighting installation/ lab building roof insulation	Awaiting window installation;
		Midleton Lodge Window repair/ LED installation/ heating controls	completed
		Spa House Window repair/ LED installation/ heating controls & new energy saving heaters/ underfloor insulation/ new attic insulation	completed
	Planning	Norton House 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
	IT	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 st 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/m²/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/m²/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:

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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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