

FINGAL COUNTY COUNCIL  
**CLIMATE CHANGE  
ACTION PLAN**  
2019-2024

**ANNUAL PROGRESS REPORT 2020**



# FOREWORD

Fingal County Council's Climate Change Action Plan 2019-2024 was developed by staff across all departments, in collaboration with regional colleagues and elected representatives; and contains an ambitious list of actions which FCC will undertake over the 5-year period.

The Plan includes 133 actions in total, across the 5 thematic areas of Energy and Buildings, Transport, Flood Resilience, Nature-Based Solutions and Resource Management. This report outlines progress which Fingal County Council (FCC) has made to date on all the actions, working in collaboration with CARO, Codema, the Dublin Local Authorities and other stakeholders.

This report demonstrates the commitment FCC has shown in the first year. Through the ongoing implementation of the Climate Change Action Plan, and of supporting plans, FCC commits to deliver on its climate action targets and provide local level leadership in the climate emergency.

*David Storey*  
*Director of Services,*  
*Environment Climate Action and Active Travel*  
*Department*

# INTRODUCTION

Fingal County Council's (FCC's) Climate Change Action Plan (CCAP) was submitted to the Department of Communications Climate Action & Environment in September 2019, in accordance with the National Adaptation Framework – Planning for a Climate Resilient Ireland 2018 (NAF)<sup>1</sup>. The Plan was also completed in accordance with the requirements of the Covenant of Mayors (COM)<sup>2</sup> for Climate & Energy to which the Council is a signatory. The CCAP sets out four key targets and 133 actions that the Council will undertake in response to the current Climate Change emergency.

The Plan was developed in collaboration with the Dublin Local Authorities (DLAs) in partnership with the City of Dublin Energy Management Agency (Codema) and Dublin's Climate Action Regional Office (CARO). All have worked together to develop and deliver the DLAs response. FCC's CCAP was adopted by councillors in May 2019 and officially launched by the Mayor of Fingal, Cllr Eoghan O'Brien, and AnnMarie Farrelly, Chief Executive of FCC, in September 2019.

The four targets in the Plan are as follows:

- A 33% improvement in the Council's energy efficiency by Dec 2020
- A 40% reduction in the Council's greenhouse gas emissions by 2030
- To make Fingal a climate resilient region, by reducing the impacts of future climate change-related events
- To actively engage and inform citizens on climate change

The 133 actions span five key action areas as follows: Energy and Buildings, Transport, Flood Resilience, Nature-Based Solutions and Resource Management. The year that has past since the adoption of this plan has been a challenging one worldwide, as the COVID-19 pandemic has impacted all levels of societies across the globe. It was also a challenging year for many communities impacted by Climate Change. 2019 was the fifth in a series of exceptionally warm years and the second warmest year globally ever recorded. A number of extreme weather events in Ireland in the recent past, such as Storm Ellen in August 2020, have reminded us that we are vulnerable to the impacts of climate change.

This One Year Progress Report demonstrates progress to date in the implementation of the CCAP, and the Councils commitment to demonstrating local level leadership on climate action. The following sections highlight in summary a sample of progress under each thematic action area. A more detailed progress update on each action can be found in the action tables of this report.

The CCAP will be reviewed and updated on an annual basis, as actions are developed. A breakdown of action status is shown below.

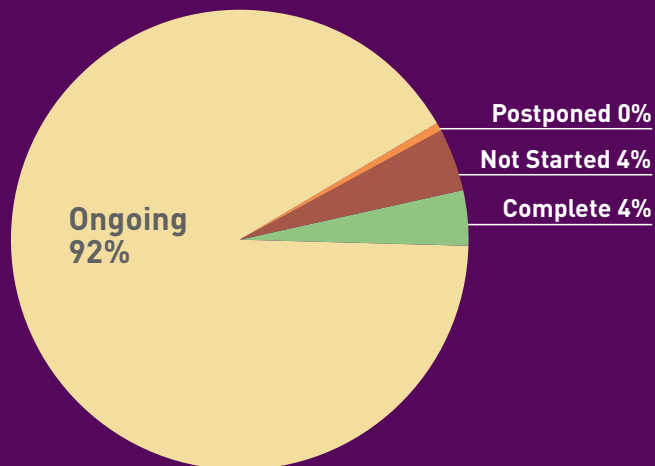
At present, 91% of CCAP actions are 'Ongoing'. These actions are broad-ranging and have a rolling duration, and are generally greater than one year in life-span. It is envisaged that a number of actions will be completed next year, but also that the majority may remain ongoing for a number of years. The action status categorisation adopted for this report was developed by the CAROs at the request of the Department of the Environment Climate and Communications, for all LAs to report on the implementation of their climate change adaptation/ action plans in a consistent manner. Actions which have a maintenance requirement such as R4 'Remove all single use items from Council canteens' and T2 'Modernise the workplace to facilitate flexible working arrangements to reduce staff travel' are categorised as ongoing (see Appendix I for Action Status Categorisation definitions). Furthermore, implementation of climate actions, particularly adaptative actions, can be an iterative process, as learnings and success are built upon. For example, the Council will continually update its emergency response plans as per action F7. As such the progress of this CCAP should not be solely measured on the number of actions 'Completed', but rather the successful mainstreaming and enhancement of climate action across all LA functions and services. This report demonstrates that this mainstreaming is underway.

The CCAP can be viewed at <https://www.fingal.ie/climate-change-action-plan-2019-2024> and at [www.dublinclimatechange.ie](http://www.dublinclimatechange.ie)





**133  
ACTIONS**



ACTION AREA	COMPLETE	ONGOING	POSTPONED	NOT STARTED
Energy & Buildings	4 actions	31 actions	0 actions	0 actions
Transport	1 action	25 actions	0 actions	0 actions
Flood Resilience	0 actions	25 actions	0 actions	1 action
Nature-Based Solutions	0 actions	15 actions	0 actions	4 actions
Resource Management	0 actions	26 actions	0 actions	1 action
<b>TOTALS</b>	<b>5</b>	<b>122</b>	<b>0</b>	<b>6</b>

## UPDATES TO POLICY AND LEGISLATION SINCE THE ADOPTION OF THE CCAP

The policy and legislative context relating to climate action has developed since the adoption of the CCAP. The **Climate Action Plan 2019 – To Tackle Climate Breakdown**<sup>3</sup> represents the Government's all of society approach, aimed at enabling Ireland to meet its EU targets to reduce its carbon emissions by 30% between 2021 and 2030, and lay the foundations for achieving net zero carbon emissions by 2050. The Plan contains a range of multi-stakeholder actions across a variety of sectors including the local authority sector. It also highlights the leadership role of the public sector, including local authorities, and the importance of citizen engagement and community leadership. At the heart of the Plan, is the key message that climate action requires a range of thematic areas to work together to meet the challenge.

A noteworthy action of the Plan was the requirement by local authorities to develop and sign a new Climate Action Charter. This Charter was signed by all local authorities in November 2019. A copy of the local authority Climate Action Charter is presented in the Appendix III. Examples of key requirements under the Charter are to:

- Measure the carbon impact of activities and implement measures to reduce carbon emissions in line with national objectives including a 50% improvement in energy efficiency by 2030;
- Put in place a process for carbon proofing major decisions, programmes and projects on a systematic basis, including investments in transport and energy infrastructure, moving over time to a near zero carbon investment strategy;
- Ask suppliers as part of the procurement process to provide information on their carbon footprint and sustainability practices, and implement a green public procurement strategy and procedures across all business areas; and
- Exercise planning and regulatory roles to help improve climate outcomes in the wider community and beyond the public sector, by developing and implementing robust evidenced-based policy and standards on climate action, through appropriate and relevant adaptation and mitigation measures.

### The Climate Action Plan 2019 – First Progress Report<sup>4</sup>

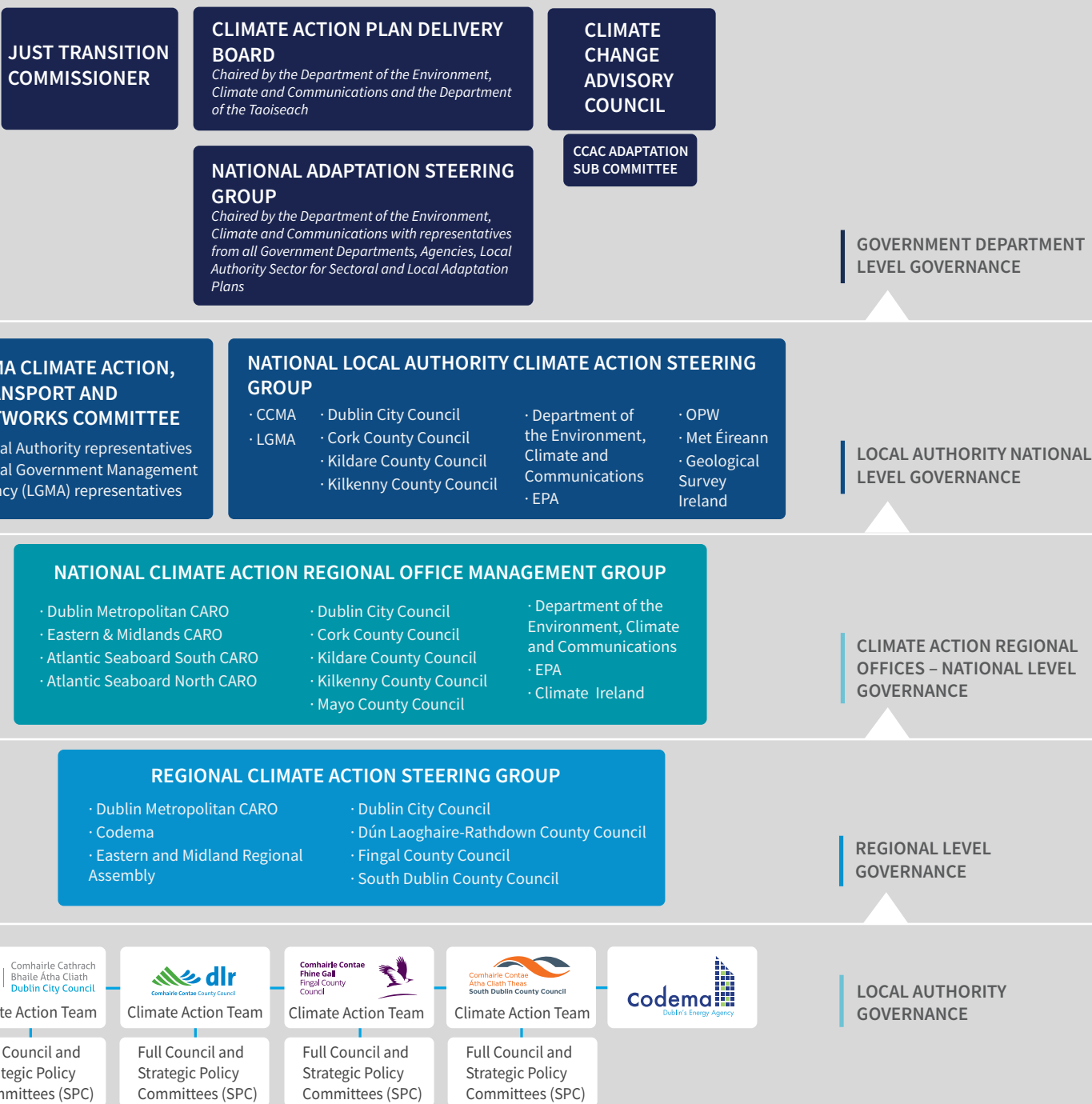
outlined the main milestones reached across sectors since the publication of the National Climate Plan. In terms of the local authority sector, it noted the signing of a Climate Action Charter by each local authority; a survey of local authorities<sup>5</sup> to establish a baseline of current climate change activities and establish best practices; the role of Local Authorities in town hall meetings to progress community engagement on climate action and the role of the CAROs in formulating and delivering technical training to Local Authorities.

The Climate Action Plan also commits to delivering a **Just Transition**<sup>6</sup>, recognising the significant level of change required and that burdens borne must be seen to be fair across society. Developing the opportunities in a decarbonising economy is recognised as a key pillar to the Climate Action Plan and in this regard the Plan envisages that existing initiatives and structures will be mobilised to maximise enterprise opportunities. A Just Transition commissioner has been appointed by the Government and a new Just Transition fund for the midlands region was launched in June 2020.

### The Climate Action and Low Carbon Development (Amendment) Bill 2020<sup>7</sup>

was published in October 2020 and aims to enshrine in law the approach and actions outlined in the National Climate Action Plan. The Bill puts into law a commitment for net-zero greenhouse gas emissions by 2050, through establishing a 'National 2050 Climate Objective' that the State will pursue the transition to a 'climate resilient and climate neutral economy' by the end of the year 2050. The draft Bill also includes the requirement for local authorities to prepare a Climate Action Plan addressing both climate mitigation and adaptation measures within 12 months of receipt of a request from the Minister. These climate change action plans will contribute to the national 2050 climate objective and shall be reflected specifically within the development planning processes. It is anticipated that the final Climate Bill will be published by government before the end of 2020.

The graphic on the opposite page presents a summary of climate action governance from Local Authority level to National Government level.



Summary of National to Local Authority Level Climate Action Governance

(Please note, this graphic is a summary for information only as it was not possible to include all Department, Agency and group names on this graphic)

Climate action features prominently in the new **Programme for Government**<sup>9</sup> with commitments in relation to climate legislation, carbon taxation, renewable energy targets, sectoral emission reduction targets, increased funding for sustainable transport and a focus on the retrofitting of private houses.

The **Climate Change Advisory Council (CCAC)**<sup>9</sup> published its 2020 annual review in late September. A key task of the CCAC is to conduct an annual review of progress made over the previous year across all sectors, in reducing greenhouse gas emissions and furthering the transition to a low-carbon, climate-resilient and sustainable economy and society by 2050. A recommendation in the 2020 review is that in order “to better prepare for future climate extremes and limit their impact we need to move from adaptation planning to adaptation action implementing the priorities of existing sectoral adaptation plans and local adaptation strategies...”

At a European level the **Green Deal**<sup>10</sup> published in late 2019 is a new growth strategy that aims to transform the EU into a fair and prosperous society, with a modern, resource-efficient and competitive economy where there are no net emissions of greenhouse gases in 2050 and where economic growth is decoupled from resource use. In its recent State of the Union 2020<sup>11</sup> address, the Commission has committed to a more ambitious greenhouse gas reduction targets of 55% by 2030 and new climate legislation. This level of ambition for the next decade will put the EU on a balanced pathway to reaching climate neutrality by 2050.

A new **EU Biodiversity Strategy for 2030**<sup>12</sup> was published in May 2020 detailing a comprehensive, ambitious, long-term plan for protecting nature and reversing the degradation of ecosystems. It aims to put Europe's biodiversity on a path to recovery by 2030 with benefits for people, the climate and the planet. It aims to build our societies' resilience to future threats such as climate change impacts, forest fires, food insecurity or disease outbreaks, including protecting wildlife and fighting illegal wildlife trade. A core part of the European Green Deal, the Biodiversity Strategy will also support a green recovery following the COVID-19 pandemic. A new **EU Strategy on Adaptation to Climate Change**<sup>13</sup> is expected in early 2021, building on the current strategy, which was adopted in 2013.

## COVID-19 IMPACT

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The ongoing COVID-19 pandemic has had an impact on all levels of society, with over 1,800 deaths nationwide and over 54,000 confirmed cases at the time of writing. The Economic and Social Research Institute (ESRI) expects Ireland's GDP to decrease by approximately 13% in 2020 because of economic disruptions caused by the pandemic. It subsequently expects economy-wide CO<sub>2</sub> emissions to decrease by 9.5 per cent in 2020<sup>14</sup>.

A report by the Environmental Protection Agency, Ireland in the Pandemic: Environmental observations<sup>15</sup> showed at least temporary improvements in some areas of the environment, including air quality and a reduction in transport related greenhouse gas emissions. Other areas like waste generation increased due to increased household waste and an increase in single use plastic as a result of COVID related requirements. The report concludes that “while there are positives associated with a lower societal impact on the environment, the EPA recognises that the current situation is not normal economic activity. However, as the country exits the lockdown, there is an opportunity to decouple environmental harm from economic growth for a sustainable future. Long-term improvements beyond the end of the crisis can only be achieved by means of a targeted climate and environment policy”.

A number of surveys undertaken in recent months<sup>16</sup> on people's experiences during the pandemic particularly when local travel restrictions were in place, found increased cycling and walking and enjoyment of local green spaces like public parks. An increased appreciation of nature and local wildlife was also noted.

Local authorities in collaboration with other actors, such as the GAA have had a central role in providing services to citizens during this period through the establishment of local community response forums<sup>17</sup>. The forums provide support such as shopping for food, fuel and other essential household items, transport to medical appointments,



delivery of hot meals through local meals on wheels services and the collection of prescribed medicines.

In addition, local authorities have responded to the additional needs of its businesses and citizens during this time in terms of adaptations to the public realm, including the provision of outdoor dining space, footpath space and cycling infrastructure to improve the liveability and mobility in areas and to support business to operating under COVID-19 restrictions. FCC has given more space to pedestrians at Harbour Road Skerries and at New Street Malahide and has developed Parklets on Swords main street - by converting on-street parking spaces into public open space to accommodate dining. FCC has also started a programme of improvement works for pedestrian and cycling infrastructure under the NTA July stimulus plan, see Transport section for more.

A recent Local Government Management Agency (LGMA)<sup>18</sup> report showed that as a result of COVID, Local Authorities implemented solutions, redesigned existing business processes, provided enhanced internal I.T. services to support working from home, improved online service provision for public/businesses and developed enhanced internal I.T. capabilities to support internal services. FCC Corporate Affairs Department have put hardware, systems, procedures and training in place which has enabled staff to work and access office files remotely where possible, and to meet and collaborate virtually through Microsoft teams; enabling social distancing and reducing the need to travel to offices on a daily basis.

This flexibility that Local Authorities have shown in terms of pivoting work practices and public services from office to remote working and the use of technology, online platforms and communications will be of long-term benefit to Council staff and the public. These practices also have the potential for longer term environmental benefits due to reduced travel and resource use. The call to 'Build Better Back' in a post-Covid world is an opportunity to make our services and society more resilient in the face of future health, environmental and economic shocks.

## COVENANT OF MAYORS UPDATE

All signatories to the European Covenant of Mayors are required to submit a Sustainable Energy and Climate Action Plan (SECAP). All four Dublin Local Authorities (DLAs) Sustainable Energy and Climate Action Plans (SECAPs) were completed in Q3 of 2019. The Covenant of Mayors SECAP is based on the DLAs' CCAPs and the four Dublin Baseline Emission Reports prepared in 2016. The actions from the thematic sections, energy and emission baseline inventory, adaptation baseline, the risks and vulnerability assessments were extracted from the CCAPs and uploaded to the Covenant of Mayors SECAP web template.

The Fingal SECAP overview can be found on the Covenant of Mayors website:

[https://eumayors.org/about/covenant-community/signatories/action-plan.html?scity\\_id=19779](https://eumayors.org/about/covenant-community/signatories/action-plan.html?scity_id=19779)



## CODEMA UPDATE

This section is a non-exhaustive summary of some of the main activities Codema has undertaken in the last 12 months. Since the Climate Change Action Plan's publication in 2019, Codema has continued its work as the energy advisor to the four Dublin Local Authorities (DLAs). One major change to the company came early in 2020 when Donna Gartland was appointed as Codema's new CEO, taking over from director and founder Gerry Wardell. Donna has worked with Codema for the last six years in the role of Senior Energy Planner and she has been instrumental in developing district heating as a low-carbon solution to Ireland's heating sector and played a key role in securing almost €25 million in total for the Dublin District Heating System and the Tallaght District Heating Scheme through the government's Climate Action Fund. She has extensive experience in energy planning and policy and also as a team builder. Codema will continue

to enable the transition to a low-carbon future in Dublin and beyond. Codema also continues to work closely with the Dublin CARO towards a regional approach to climate change solutions.

#### ENERGY MANAGEMENT

FCC has surpassed its 2020 energy efficiency target by reducing its energy use by 34.5% compared to the baseline. Codema has completed the 2019 Energy Review which displays the glide paths for energy efficiency and GHG reduction with reference to the CCAP targets, and this was presented to senior management. Seven Display Energy Certificates (DECs) were generated for public buildings. Codema regularly assists the DLAs in applications for national funding to assist in the development of low-carbon projects such as the SEAI Project Development Assistance grant. We have also assisted in the submission of an expression of interest to the upcoming Climate Action Fund for a solar PV and lighting project across multiple Council buildings. Codema also carried out research on behalf of the four Dublin Local Authorities that examines the national Climate Action Plan 2019 requirement for all public buildings to achieve a 'B' BER rating by 2030.

#### ENERGY AND CLIMATE AWARENESS

In 2020, Codema developed another four Home Energy Saving Kits for Fingal Libraries, due to ongoing public demand and success of the scheme within the library network. These new kits were made available in Balbriggan, Malahide and Rush Libraries. It will bring to 15 the total number of kits available within Fingal Libraries for the public to borrow free-of-charge.

#### DUBLIN REGION ENERGY MASTER PLAN

Codema is developing the Dublin Regional Energy Master Plan through the SEAI Research, Development and Demonstration (RD&D) programme. The aim of this project is to evaluate and outline the cost-optimal, spatially possible and technically feasible low-carbon scenarios for Dublin to meet its 2030 and 2050 CO<sub>2</sub> reduction targets from the perspective of society, energy consumers and the energy sector. This project looks at the three main energy sectors (heat, electricity and transport) and the synergies between them to deliver more cost-effective low-carbon pathways for the region. It will look at current and future policy impacts and shortfalls to targets needed to make Dublin net carbon neutral by 2050. This is the first master plan of its kind in Ireland to look at the County and indeed small area level and to assess which solutions will work best within local constraints. The finished plan will aid planners and other decision makers in all energy related plans in the future.

#### EU PROJECTS

An area Codema has extensive knowledge and experience in is the application and execution of EU projects across a range of funding streams, at present we have several active projects, namely:

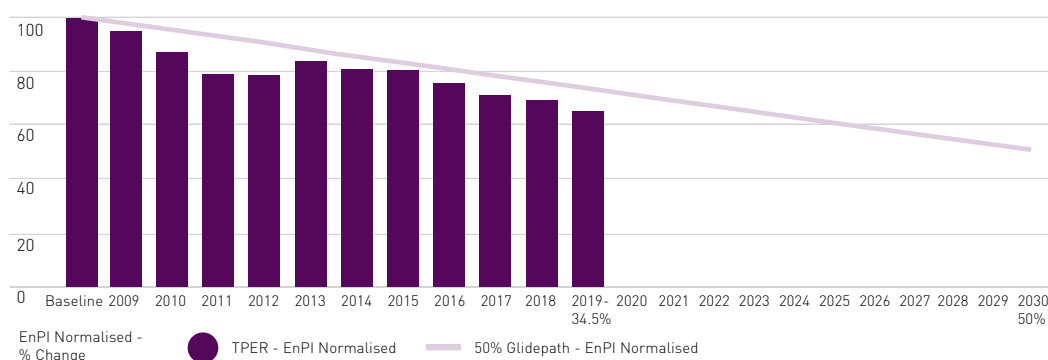
**HeatNet NWE:** The Interreg NWE HeatNet project aims to remove the policy, economic and technological barriers to fourth generation district heating in North-West Europe. It has six pilot projects and a budget of €11.5 million. The Tallaght District Heating Scheme in South Dublin, which is using waste heat from the Amazon data centre to provide low-carbon heating to several public and private buildings, is one of the pilots. HeatNet NWE will finish in the first quarter of 2021. All learnings will be used in the development of the Dublin Docklands District Heating Project.

**TOMORROW:** Codema - together with the four Dublin Local Authorities - is developing a collaborative Transition Roadmap for the Dublin Region, which will motivate citizens, local businesses, public authorities and transport groups to work together towards the same goal of developing Dublin as a sustainable, healthy, leading EU city by 2050. This roadmap will be developed as part of the H2020 'TOMORROW' project, in which Dublin is one of six pilot EU cities to develop a 2050 transition roadmap for a climate-neutral, liveable city and county. Codema will roll out a public engagement campaign in 2021 to ensure citizens' voices are heard so they can take ownership of this transition, and the roadmap will be developed by the end of 2022.

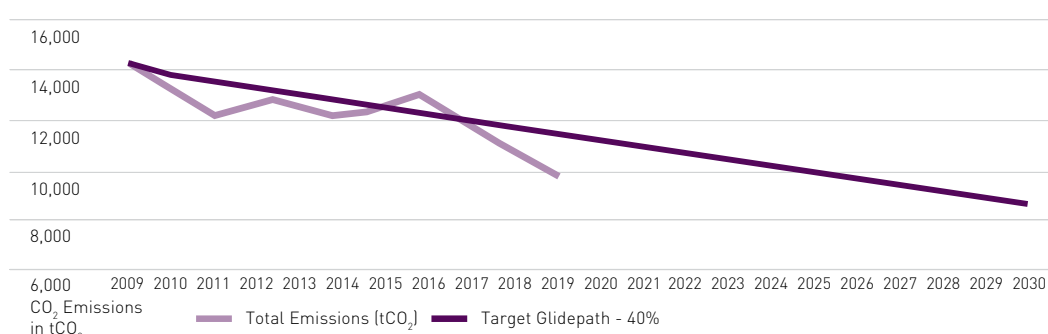
**Decarb City Pipes:** Codema are partners in the Decarb City Pipes 2050 project which commenced in September 2020. This project is focused on the decarbonisation of heat through capacity building in cities. This includes creating local working groups (made up of key local stakeholders within the cities of Bilbao, Bratislava, Dublin, Munich, Rotterdam, Vienna and Winterthur) to outline gaps in knowledge and current practices (planning methodologies, tools, policy instruments, effective governance structures, etc.) and then go about addressing these gaps through deep peer-to-peer learning with input from an experienced advisory board. An in-depth engagement process will be adopted to develop these roadmaps, to build strong effective working relationships within each city, and ensure strong buy-in from stakeholders.

**REDAP:** Codema is a partner in the Regional Energy Demand Analysis Portal (REDAP) project, which was

FCC annual energy performance compared to 50% glidepath



FCC annual CO<sub>2</sub> emissions Performance compared to 40% glidepath



approved under the 2018 European Research Area Network (ERA-Net) Smart Energy Systems fund and supported by SEAI. REDAP presents a cross-sectoral approach to regional energy systems and will help end-users to spatially visualise and better understand the characteristics of urban energy demand. This project will provide insight to end-users regarding the region's building stock and will incorporate a process for analysing the dynamic energy demand of urban mobility systems across different routes and modes.

**QGasSP:** In September, Codema along with partners from Estonia and Finland, were awarded the tender to deliver the QGasSP (Quantitative Greenhouse Gas Impact Assessment Method for Spatial Planning Policy) project. The objective of this research project is to produce a methodology that will allow planning authorities at national, regional and local administrative levels to quantify the influence of spatial planning policies on GHG emissions. The Eastern and Midlands Regional Authority (IE) will be one of the beneficiaries of the outcomes.

Codema is still actively seeking EU funding to advance the transition to a carbon-neutral Dublin. To this end, we have

recently applied for funding for several projects through the Horizon 2020 September call and the EU City Facility funding stream.

## SUSTAINABLE ENERGY COMMUNITIES

Codema won the tender to coordinate the SEAI Sustainable Energy Communities (SEC) Programme for the Dublin and Mid East region. The seven counties (4 Dublin LAs, Kildare, Wicklow and Meath) are each provided with a mentor to help advise the SECs and move them along their progress from learning about energy and climate change, to conducting an energy master plan and registry of opportunities to finally undertaking projects. The aim is to upskill and educate but also to reduce energy consumption through behavioural change, energy efficiency, renewable and smart solutions. The seven local authorities are acting as lead applicants on behalf of the SECs for their energy master plans providing finance to activate grants and procurement expertise for hiring consultants. The tender will last for four years and has already proved very popular with fifteen new SECs signing up and a current total of ninety-five SECs across the region.

## CLIMATE ACTION REGIONAL OFFICE (CARO) UPDATE

The Climate Action Regional Offices (CAROs) were established in 2018 in response to Action 8 of the 2018 National Adaptation Framework (NAF) – Planning for a Climate Resilient Ireland. The offices are mandated to co-ordinate engagement across the varying levels of government and help build on experience and expertise that exists in the area of climate change and climate action. The offices have a role in driving climate action at both regional and local levels, including supporting the implementation of local adaptation plans/Climate Change Action Plans.

The composition of the four Climate Action Regions has been determined by the geographical and topographical characteristics, vulnerabilities and shared climate risks experienced across local authority areas. The four CARO regions, constituent local authorities and associated lead authorities are shown in the table on this page.

The Dublin Metropolitan CARO has been working closely with the four Dublin Climate Teams and Codema, the Dublin Energy Agency to support the implementation of their Climate Change Action Plans. The Dublin CARO has a regional steering group comprising the four Director of Services of the Dublin Local Authorities, and colleagues from Codema and the Eastern Midlands Regional Assembly. Examples of projects across the six key areas of the CARO work programme are included below:

### Management and Governance

- National, Regional and local climate team meetings
- Participation in sectoral adaptation steering groups and working groups
- Preparation of detailed business case to support climate action for the local authority sector
- Participation in CCMA/LGMA and Government working groups on Climate Action

### Climate Adaptation

- Assisting local authorities with implementation and reporting of Climate Change Adaptation /Action Plans including implementation guidance
- Preparation of guidance such as guidance document for adaptation of regional & local roads
- Working with Government Departments and agencies on the implementation of sectoral adaptation plans



Climate Action Regional Offices (CAROs)

CLIMATE ACTION REGION	LOCAL AUTHORITY FUNCTION AREA	LEAD AUTHORITY
<b>Dublin Metropolitan</b>	South Dublin, Fingal, Dún Laoghaire-Rathdown, Dublin City	Dublin City Council
<b>Eastern and Midlands</b>	Carlow, Cavan, Kildare, Kilkenny, Laois, Leitrim, Longford, Louth, Meath, Monaghan, Offaly, Roscommon, Tipperary, Waterford, Westmeath, Wexford, Wicklow	Kildare County Council with support from Kilkenny County Council
<b>Atlantic Seaboard North</b>	Donegal, Sligo, Mayo, Galway City & County	Mayo County Council
<b>Atlantic Seaboard South</b>	Clare, Limerick, Kerry, Cork City & County	Cork County Council

Climate Action Regional Offices



- Collaborating with key climate actors such as Climate Ireland, 3rd Level Universities
- Participation on National Working Groups such as new Coastal Change Strategy Steering Group

### Climate Mitigation

- Preparation of guidance on topics such as Decarbonising Zones, Sustainable Energy Communities, Carbon Offsetting etc.
- Participation in Regional and National Electric Vehicle (EV) working groups
- Collaboration with energy agencies (where in place) and SEAI on energy related projects
- Identifying and assisting local authorities with projects eligible for the National Climate Action Fund

### Communications and Citizen Engagement

- Presentations to Councils, Government Departments and Agencies, youth organisations and the general public
- Supporting individual local authorities with community engagement events including LEADER funded climate action workshops
- Collaboration with key stakeholders such as GAA on Green Clubs Pilot, Comhairle na nÓg, Age Friendly Ireland
- Finalisation of CARO website and social media communication channels

### Training And Education

- Preparation of a comprehensive Climate Action training plan for the LA sector across all levels (see below for further details)
- Identification of external training and upskilling opportunities in climate action for the Local Authority Sector
- Collaboration with expert organisations and representative bodies for tailored workshops and training seminars

### Knowledge Development

- Development of online Weather Impacts Register App (WIRE) for Local Authorities
- Preparation of guidance and position papers on climate action areas
- Identification and communication of funding

opportunities for climate action projects in local authorities and assistance with application process

- Participation in relevant climate action research projects from the Environmental Protection Agency research programmes and other funding programmes
- Engaging with and local authorities and Regional Assemblies on planning issues relating to climate action including the hosting of planning workshops

A key focus of the CAROs for the remainder of 2020 and into 2021 will be the roll out of climate action training across the local authority sector. This training plan has been developed by the CAROs in collaboration with partners such as the Local Authority Environmental Services Training Group, Climate Ireland, the Sustainable Energy Authority of Ireland (SEAI), Met Éireann, the Environmental Protection Agency, the Institute for Public Administration and others. This training will be targeted at all staff levels and will focus on the following areas;

- *Climate Action Leadership* – aimed at all elected members & senior staff
- *Climate Action Awareness Training* – aimed at building capacity across climate action teams
- *General Awareness Building* – online training for all indoor staff to raise awareness of climate action
- *Practical Climate Action* – training for all outdoor staff to assist them to deliver practical climate action measures
- *Behavioural Change Training* – to empower staff to promote positive change both internally and across the community
- *Specific and Targeted Training* – training arising from specific knowledge gaps or individual policy/role requirements, such as spatial planning, community engagement, roads adaptation, age friendly projects, Comhairle na nÓg etc.



**LOCAL AUTHORITY**  
**Climate Action**  
Training Programme



# PROGRESS SUMMARY BY CCAP ACTION AREA

## ENERGY & BUILDINGS

FCC's Energy Management Team in collaboration with Codema have made energy efficiency improvements of 34.5% to date, effectively exceeding the 33% target set by government, 1 year ahead of target. FCC's Energy Review 2019 reports that FCC has improved its energy performance by 34.5%, compared to 2006 - 2008. This amounts to an absolute saving of 12.4 GWh of primary energy or 4,578 tonnes of CO<sub>2</sub>.

The Energy Management Team, in collaboration with Codema and the SEAI have developed an ISO 50001 compliant, energy management system, which enables improved oversight of energy accounts. As part of the management of energy usage, reports are now run on a monthly basis, ensuring oversight of every account and continuous improvement.

Though FCC is on course to exceed its 33% improvement in energy efficiency target by December 2020 and is currently ahead of its glidepath toward achieving a 40% CO<sub>2</sub> reduction by 2030; achieving the 2030 target of

50% improvement in energy efficiency as set out in the Government's Climate Action Plan 2019 will be a challenge. FCC will continue to work with Codema to identify and prioritise energy efficiency planning programmes which will enable the Council to meet its 2030 public sector targets.

Plans are in place to expedite the roll out of LED public lighting which is now 70% complete and on track for completion by the end 2021. (22570 streetlights have been converted to LED's to date out of a total stock of 32000).

Energy Performance Contracts (EPCs) for energy upgrades for Fingal County Hall and Civic Offices in Blanchardstown are progressing well. FCC and Codema are engaged in competitive dialogue with energy service companies and site visits and investment grade audits have been undertaken. Starting in 2021, the energy management team will examine the feasibility of a new EPC to cover libraries and depots, building on the learnings of the 1st EPC.



*Holymount Estate, Rathbeale Road, Swords. Completed in 2020, all 24 units have a BER rating of A2 and achieved NZEB standards*



The Housing & Community Department replaced 354 boilers in 2019 and 274 to date in 2020 and provided these properties with upgraded heating controls. All social housing stock as of 31/12/15 are now insulated, and all buy-ins and long-term leases since that date have been provided with attic insulation with a programme for cavity wall insulation, as necessary, under development. Single glazed window replacement is 100% complete for council owned social housing stock and acquisitions. On average, 85% of stock has benefited from a Building Energy Rating uplift under the Energy Efficiency Retrofitting Programme funded by the Department of Housing, Planning and Local Government.

FCC computers shut down automatically after hours, and lighting in Fingal County Hall is under the control of localised motion detection.

Home Energy Saving Kits have been developed by Codema and are available across FCC's libraries for use by the public to check the energy efficiency in homes and to inform home energy efficiency improvements. 15 kits are available across FCC libraries.

Codema have lodged an expression of interest to the Government Climate Action Fund (CAF) on behalf of the 4 Dublin Local Authorities for grant funding for an Urban Solar Farm across suitable LA rooftops potentially piloting Photovoltaics with Green Roofs. If successful, this will include certain FCC libraries and community centres. If the CAF submission is unsuccessful FCC will begin installing Photovoltaic panels on suitable Council roofs where viable in 2021.



*70% of streetlights have been converted to LEDs*



*Home Energy Savings kits available across FCC libraries*

## TRANSPORT

Transitioning towards more sustainable transport systems is one of the major challenges facing Irish society as approximately 20 per cent of Ireland's greenhouse gas emissions come from transport and it accounts for the largest share of energy-related CO<sub>2</sub> emissions (40% in 2018). Transport in Ireland remains almost entirely dependent on fossil fuels; and private cars are responsible for the largest share of transport emissions at 40%, followed by aviation at 22%.

Fingal is the fastest growing region in Ireland and the Council is planning for the future by promoting the integration of transport and land use planning, through the Development Plan strategy and policies; with a focus on compact growth and infill development served by high quality public transport.

FCC is working with the National Transport Authority (NTA) & Transport Infrastructure Ireland (TII) to deliver BusConnects and Metrolink. FCC engages with the NTA and TII on public transport routes, reserves planned routes free from development, and allows high-density development along existing and planned public transport corridors. FCC also engages with TII on issues such as station design, route alignment, station integration with the surrounding environment, and environmental assessment. The TII expect to lodge the railway order for MetroLink mid-2021, with construction to commence in 2022 and the system operational in 2027. In advance of MetroLink commencing, FCC is upgrading and improving

road junctions and pedestrian and cycle facilities, for example, it is proposed to upgrade the R132 roundabouts in Swords. Swords Masterplans have been developed and agreed in 2019. These plans set the vision for parcels of land located along the MetroLink route.

FCC is working to increase and improve the provision of active travel infrastructure across the county, to encourage the uptake of walking and cycling, through schemes which improve the safety of pedestrians and cyclists, and by developing new improved infrastructural links. A number of projects incorporating high quality walking and cycling infrastructure are at various stages of design, planning and construction. The Harry Reynolds Road Cycle Route and the Royal Canal Urban Greenway are at preliminary design stage, Fingal Coastal Way is at route selection stage of prelim design. The Broadmeadow Way was granted planning approval in May 2020. The Sutton to Malahide Greenway is underway with the Baldoy to Portmarnock section officially opened this year, (the main section is at preliminary design stage). The Donabate Distributor Road was also opened this year and includes footpaths and off-road cycle facilities. The Fingal Coastal way will be a 32km high-quality walking and cycling route stretching from Newbridge Demesne in Donabate to the county boundary, north of Balbriggan. It will link to the Broadmeadow Way - a 6km off-road cycling and walking route linking Malahide and Donabate across the scenic Broadmeadow Estuary. The Broadmeadow Way will link to the Sutton to Malahide Greenway.



Castleknock to Ashtown section of the Royal Canal Greenway



FCC Chief Executive AnnMarie Farrelly, David Storey Director of Services Environment Climate Action and Active Travel Dept. & FCC Mayor David Healy promoting active travel





FCC will commence the roll out of a programme of works in Q4 2020 aimed at improving the safety of pedestrian and cycling infrastructure across the county. A number of schemes have been identified and NTA Stimulus funding is being allocated. The schemes will include segregation, junction improvements and traffic calming measures which will give priority to pedestrians and cyclists. The first scheme to commence will be in Dublin 15 with the creation of a 2.5km segregated cycle track along Hartstown / Hunstown Road.

The number of bicycle stands provided at key locations across the county is increasing steadily. FCC's Operations Department have trailed "School streets" and "Gearing up for training" initiatives and have also offered bicycle stands to FCC schools free of charge (approx. 40 schools have availed of this offer). School streets initiative has been shortlisted by Chambers Ireland for the Excellence in Local Government Awards 2020. Bleeperbike bike sharing scheme was piloted in Blanchardstown in 2018 and expanded to Swords, Malahide and Howth in 2019. There has been a significant increase in Bleeperbike usage throughout the COVID-19 pandemic. Bleeperbike report that monthly bike rides from April – September were approximately 4 times the number to March 2020.

The ESB have led in the provision of public electric vehicle (EV) chargers in the Dublin region to date and maintain a map of public EV chargers at <https://esb.ie/ecars/charge-point-map>. FCC have installed 6 public EV chargers to

date in Blanchardstown, Howth, Skerries and Swords. FCC in collaboration with CARO, the DLA and Smart Dublin through the Dublin Regional EV Charge Point Strategy Group and CCMA EV Working Group, are considering appropriate funding models, locations, timing of phased installations, and management and maintenance contracts; considering a Dublin wide roll out of the recommended model by local authorities.

FCC is transitioning to an EV fleet and currently has 28 fully electric road vehicles, out of a fleet of 190, with 15 more on order. The EV ratio will increase steadily as most end of life vehicles will be replaced with EV where viable. EV charge points have been provided in staff car parks and in depots for operational vehicles. FCC is developing mobility hubs at Swords County Hall and Blanchardstown offices, and electric bicycles and an EV will be provided for staff to use to travel to in person, meetings and site visits. FCC have accelerated the roll out of Office 365 across the organisation in response to the COVID-19 pandemic and its impact on working arrangements. Staff are now meeting virtually using Microsoft teams and this will have a lasting impact on reduced the need to travel to meetings.

The sum of these actions will encourage a modal shift away from private cars to more sustainable alternatives. This will ultimately result in a reduction in the number of journeys taken by car, taking cars off the roads, reducing congestion and emissions across the County.



*FCC is transitioning to an Electric Vehicle fleet*



*FCC School Streets initiative, pedestrianisation of school streets prone to traffic congestion at school drop off / collection times*

## FLOOD RESILIENCE

FCC is active across all aspects of flood risk management, from prevention to emergency response, through to infrastructural investment following extreme weather events. This includes actions that consider flood risks arising from climate change through development policies, collaboration with the OPW on flood defence projects, own delivery of minor flood defence projects, use of nature-based solutions to manage flood risks, activation of flood emergency response plans; and rebuilding infrastructure in the aftermath of extreme weather events.

The Office of Public Works (OPW) is the lead state agency in relation to flood risk management in Ireland and has a coordination role across Government and chairs the interdepartmental flood policy group. A new National Coastal Change Strategy Steering Group has also recently been set up to consider the development of an integrated, whole of Government coastal change strategy and report to Government within 6 months. FCC are represented on a technical sup group to this new national group. Local Authorities retain a Planning & Development Management function in relation to flood risk management and also have a flood emergency response role.

An Options Report for the Coastal Protection of Portrane, Rush & Rogerstown outer estuary has been completed by RPS Consulting Engineers and the preferred option was communicated to the community in September 2020 through a series of virtual information meetings. The installation of specially designed Y-shaped groynes structures combined with beach supplementation and flood embankments at the Burrow and a floodwall in Rush are considered the preferred coastal defence options. RPS consultants will now progress the Environmental Impact Assessment and Appropriate Assessment reports for this

project and progress the planning documentation for submission to An Bord Pleanála in summer 2021.

Strategic flood risk assessments are undertaken by consultants managed by FCC Forward Planning division on an ongoing basis. 20 surface water management plans have been progressed for various Local Area Plans (LAPs), Masterplans and other study areas within the County since 2018.

Nature-based solutions such as integrated wetlands, green infrastructure and Sustainable urban Drainage Systems (SuDS), are being considered in response to flood risk. Measures that include nature can have multiple benefits beyond flood defence, such as providing new spaces for recreation and habitats for wildlife.

Planning & Strategic Infrastructure Department have, through a multidisciplinary team effort, drafted a Green / Blue Infrastructure (SuDS) Policy Document. The Policy is aimed at providing advice and guidance with regard to SuDS design, 'Taking in charge' and maintenance requirements, to prospective planning applicants. Planning & Strategic Infrastructure Department are also working to develop a case study of SuDS best practice at LAP level, through the development of Barnhill LAP. The LAP will include a variety of SuDS measures including planter gardens, downpipe planter gardens, swales, wetlands, using SuDS features as an artistic/public realm features through the "percent for Art" scheme. Also proposed are metrics for measuring effectiveness of implemented SuDS systems.

Climate change risk assessments of FCC's cultural heritage sites will commence this year. This project will map architectural and archaeological heritage sites across the county and risk assess the sites for impacts of climate change, informing follow-on monitoring programmes.



*Seabee concrete units on the Burrow Beach in Portrane*



*Tree pits at Blanchardstown Shopping centre, an example of provision of SuDS through the planning process*





## NATURE-BASED SOLUTIONS

Fingal is fortunate to have an abundance of high quality public open spaces. Ardgillan Demesne, Malahide Demesne, Millennium Park, Newbridge House & Farm, Santry Demesne, St Catherine's Park, and the Rock Garden Swords, all received green flags awards as sustainable green spaces in 2020. FCC is responsible for approximately 2,000 hectares of open space and manages these areas in a sustainable manner to ensure that future generations can enjoy the benefits of these amenities in terms of recreation, health and wellbeing. The acreage of wildflower meadows and long grasses in parks, open spaces and on roadside margins is increasing steadily, with an approximate increase of 10 hectares per year over the last 4 years.

FCC is currently drafting a revised Tree Strategy. The vision is to protect and enhance Fingal's trees, to maximise both the benefits they offer and the character they bring to the county, to ensure a greener and healthier Fingal for now and future generations. Woodland creation is part of a proposed targeted strategic annual tree planting programme. The draft Tree Strategy has been presented to the Climate Action, Biodiversity, Environment Strategic Policy Committee in Sept 2020 and non-statutory consultative process will begin in Q4 2020. FCC is also represented on a new National working group led by the CARO to develop guidance on tree planting on LA lands.

Consultation for a new FCC Biodiversity Action Plan has started. The Plan will focus on the delivery of a climate change resilient ecological network throughout the county and will also identify strategic wildlife corridors and estuary sites where there is potential to make space for (flood) water through green infrastructure.

An internal working group has been established to identify sites where there may be an opportunity to retrofit green infrastructure to regional parks and estates. This working group consists of staff from Planning & Strategic Infrastructure, Operations and Environment Departments. The green infrastructure could potentially include tree pits, rain gardens, swales & ponds and could provide multiple benefits including water quality & water attenuation benefits, carbon sequestration, and new and improved habitats for wildlife. This work may inform future work programmes.

FCC provides and supports the use of allotments as a way by which communities can grow their own food, and reduce food waste. There are 800 allotments provided across four sites in the County.

Community support through the Tidy Towns programme, and through grant programmes is also ongoing, with an increasing focus on Biodiversity awareness. Numerous community initiatives supporting biodiversity and tree planting have been supported. Biodiversity awareness, including the "Bee positive" biodiversity social media, cinema and bus shelter advertising campaigns undertaken in 2020. The Gardening for Biodiversity booklet has been produced by the Local Authority Heritage Officer Network to aid citizens in understanding, enhancing and improving wildlife in their own outdoor spaces. Author Juantia Browne gives practical advice on turning gardens into havens for wildlife. Its freely available to download at: <https://www.fingal.ie/gardening-biodiversity-create-haven-wildlife>



Kevin Halpenny, Senior Parks Superintendent, raises the Green Flag at Ardgillan Demesne



FCC's gold medal winning Bee Positive Garden at Bloom 2019

## RESOURCE MANAGEMENT

Ireland's National Waste Policy 2020 – 2025 was published in September 2020 and provides a roadmap to transition to a circular economy in the decade ahead. The plan includes the introduction of a deposit and return scheme for plastic bottles and cans, a ban on certain single use plastics from July 2021, a levy on disposable cups, a waste recovery levy to encourage recycling, and aims at ensuring all packaging is reusable or recyclable by 2030. This new policy will enable society to move beyond a position of merely managing waste, to reducing waste generation and how we extend the productive life of the goods and products that we use.

FCC operates approximately 60 accessible bring centres (bottle banks), and 2 recycling centres for public use. The range of materials accepted has been expanded and bring centres have been exceptionally busy throughout the COVID-19 pandemic with tonnages equalling the Christmas peaks for bottle banks.

FCC's Play it Again Musical Instruments Project has been shortlisted by Chambers Ireland for the Excellence in Local Government Awards 2020. The initiative brings musical instruments which are delivered to recycling centres back to life and distributes them to community groups.

The public are increasingly informed in relation to the climate action challenges facing society and the leadership Fingal is taking in collaboration with the Dublin local authorities through the sum of our actions.

Climate change and environmental awareness campaigns have been implemented including workshops with transition year students, and through CARO with An Taisce Green Schools - both utilising the CCAP as a resource for teachers. Also, through presentations to schools, community groups and the public at FCC libraries, and through awareness tents at Flavours of Fingal and Zeminar, greening of competitions, cinema and bus shelter advert campaigns; along with a sustained social media campaign - including Bee Positive animated video highlighting the importance of Bees and relve fashion competition.

FCC's stop food waste master composter programme is ongoing – 11 community groups across Fingal were engaged this year and several composting projects undertaken.

A number of grant programmes increasingly have a Climate Action, Biodiversity and Sustainable awareness focus, including Community Environment Fund and Anti-Litter & Anti-Graffiti Fund which are administered by FCC Environmental Department.

FCC's GAA club sustainability competition was held in 2019 and extended to soccer and rugby clubs in 2020. Clubs were encouraged to identify and commit to introducing three environmentally sustainable actions into their clubs; and guidance and support provided by our environmental awareness officer. FCC will also work with the Dublin CARO on the roll out of the new GAA Green Clubs programme.



*Estuary Recycling Centre Swords*

FCC's Environmental Awareness Officer supported 23 schools in the county with applications and the roll-out of actions for An Taisce Green Flag Awards. The Officer is also providing on-going support to all other green schools in the implementation of their actions. The list of schools awarded flags is given at: <https://www.fingal.ie/green-schools>.

A network of public drinking water fountains is being established to help reduce plastic waste. Contactless drinking water fountains will be installed in the following regional parks in Q4 2020 - Newbridge Demesne, Santry Demesne, Ward River Valley, St. Catherine's Park, Millennium Park, Hartstown Park, Ardgillan Demesne, and Malahide Demesne.

All FCC staff have been given a reusable cup. Recycling bins and signage are maintained throughout council offices. All single use items have been removed from Council canteens and managed print using recycled paper is in place.

FCC is increasingly implementing green procurement, where feasible, and has started with office consumables. All office equipment including stationary, print equipment etc is procured through the Office of Government Procurements' green office consumables contract list. FCC's events team are increasingly incorporating green procurement in Council supported events. Vendors are asked to minimise single use plastics and use bio degradable serving products. FCC's Central Procurement Unit is investigating incorporation of green principles in major procurement processes and evaluation criteria.

FCC's social housing tenant induction programme has been expanded to include information and advice regarding environmental awareness, waste management and energy conservation. 265 households attended tenant inductions in 2019, and 220 in 2020 to date.

The CAROs will be rolling out a national programme of Climate Action Training for local authority staff at all levels and elected representatives in 2021 (see CARO update section of this report). The purpose of this training is to raise awareness of climate action across all sections of the local authority and to build capacity and knowledge within the sector.



*FCC Mayor David Healy testing a contactless water bottle filling station*









*One of several Master Composter Courses run in 2020*























# ENERGY & BUILDINGS

NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
ENERGY PLANNING							
E1	Create Energy Master Plan for the Dublin Region	In the next 5 years	Codema	Website with e-Map	 	<p>The Dublin Region Energy Masterplan is progressing as planned. The team have now developed a model of the 'current situation' of energy demand and supply in the residential, commercial and public sector buildings on an hourly basis. This model has been coded in Python to allow easy manipulation and automatic update of data into the model from online sources. New sources of data have been incorporated, such as the smart gas and electricity meter trial data, and we are now incorporating new data from SEAI on all public buildings in Dublin and the BER data broken down by small areas, which allows us to more accurately estimate energy demand in the residential sector. We have experienced some delays due to accessing data from other organisations, but we are working with the CSO and NTA on accessing updated data based on the 2016 Census, providing special tabulations that we can incorporate into the model.</p> <p>Work has also started on identifying all the low-carbon potential in the Dublin region, starting with local sources of fuel and heat which can be used to offset reliance on fossil fuels currently used for heating. An analysis of the electricity grid impacts has also begun, using data from ESB networks, looking at distribution grid capacities and the effects of increased demand for EV charging, heat pumps and data centres on the Dublin grid, and the possible conflicts between these demands in the future. We have also arranged a workshop with the Planning Group established by CARO to get planning feedback and input into the masterplan model.</p>	Ongoing
E2	Prepare Fingal Sustainable Energy and Climate Action Plan	In the next 5 years	Codema	SECAP complete	 	<p>FCC's SECAP was completed in Q3 of 2019. The CoM SECAP is based on the Fingal CCAP and the Fingal Baseline Emission Report 2016. The actions, energy and emission baseline inventory, adaptation baseline, and the risks and vulnerability assessments were extracted from the CCAP and uploaded to the CoM SECAP web template. The Fingal SECAP overview can be found on the CoM website: <a href="https://www.covenantofmayors.eu/about/covenant-community/signatories/action-plan.html?scity_id=19779">https://www.covenantofmayors.eu/about/covenant-community/signatories/action-plan.html?scity_id=19779</a></p>	Complete
E3	Prepare Local Authority Renewable Energy Strategy	In the next 5 years	Planning & Strategic Infrastructure	Strategy prepared	 	<p>The existing Fingal Development Plan supports Renewable Energy projects through policies &amp; objectives contained in the plan and these will be reviewed as part of the forthcoming review of the FDP to commence in 2021 having regard to relevant national and regional policy for both on shore and off shore renewable energy. A draft Wind Energy Strategy is in place; and the reviewed Development Plan policies &amp; objectives would support a Renewable Energy Strategy document. We will engage with the DLA &amp; Codema to determine the most advantageous timeframe for the development of an overarching strategy document, and will be informed by the work to date on Codema's Energy Masterplan.</p>	Ongoing





















NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
E4	Outputs and recommendations from the <i>Fingal Spatial Energy Demand Analysis (SEDA) 2016</i> to inform the review of the <i>Fingal Development Plan 2017-2023</i>	In the next 5 years	Planning & Strategic Infrastructure	Content in Development Plan review	  	Development Plan review has commenced. SEDA will inform review and will spatially link energy demand with resources and consider supply capacity.	Ongoing
<b>ENERGY EFFICIENCY &amp; RENEWABLES</b>							
E5	Complete the roll out of LED public lighting by 2021 (27,000 units remaining)	In the next 5 years	Operations	100% of lighting converted to LED by 2021	 	70% complete and on track for completion for 2021 (22,570 converted to LED to date out of 32,000)	Ongoing
E6	Fingal Energy Management Team established	In the next 5 years	Corporate Affairs	Team established	 	Team established and meet monthly	Complete
E7	Develop ISO 50001 compliant energy management system	In the next 5 years	Corporate Affairs, Codema	System developed and ISO 50001 compliant	 	ISO 50001 certified as of February 2020. Surveillance Audit completed 21st July 2020.	Complete
E8	Comply with S.I. 426 under the EU (Energy Efficiency) Regulations 2014	In the next 5 years	Corporate Affairs, Codema	Compliant		Compliant under ISO certification	Ongoing
E9	Procure upgrades through an Energy Performance Contract for County Hall (Swords) and Civic Offices, Draíocht Arts Centre and public library in Blanchardstown	In the next 5 years	Corporate Affairs	EPC awarded, measurement and verification of energy savings	 	EPCs are long-term contracts which guarantee energy savings. FCC and Codema are engaged in competitive dialogue with energy service companies and site visits and investment grade audits have been undertaken.	Ongoing
E10	Participate in the SEAI Energy Public Partnership Programme	In the next 5 years	Corporate Affairs	Signed up to programme	 	FCC has completed this programme with SEAI	Complete
E11	Annual Monitoring & Reporting to SEAI	In the next 5 years	Codema	FCC's energy use monitored and reported	 	Ongoing. 2019 M&R process complete. To date, as reported by the M&R system, FCC's Energy Management Team have made energy efficiency improvements of 34.5% compared to 2006-2008, effectively exceeding the 33% target set by government, 1 year early. SEAI's 2019 Public Sector report is due out in January before the Public Sector Energy Conference.	Ongoing
E12	Publish Fingal County Council's Energy Review annually	In the next 5 years	Codema	Review published, # of recommendations implemented	 	2019 review process completed in September 2020. The aim of this Energy Review is to highlight the total amount of energy FCC consumed in 2019, along with the total cost and carbon emissions associated with this energy use. This Energy Review also aims to clearly demonstrate where energy is used in the Council, what drives its consumption, and where the greatest energy-saving potential is to be found; this will help FCC to identify its current status in relation to public sector energy targets, and what areas it needs to prioritise in order to meet these targets between now and 2030.	Ongoing






















# ENERGY & BUILDINGS

NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
E13	Display Energy Certificates for public buildings	In the next 5 years	Codema	# of DEC's generated for public buildings	 	All required certs for 2019 generated and awaiting printing. 7 in total. Display Energy Certificates are required for public buildings over 250m2 and frequently visited by the public.	Ongoing
E14	All new Council buildings built to nZEB standard	In the next 5 years	All Departments / Architects	All new builds nZEB standard	 	National Building Regulations to achieve nZEB standard applied and met on new buildings commissioned by the Council	Ongoing
E15	Refurbishment programme for Fingal Corporate buildings to include energy reviews and retrofits as standard	In the next 5 years	All Departments / Architects	# of buildings upgraded	 	Energy monitoring of Fingal Corporate buildings by Building Facilities Team to establish baseline data for refurbishment programme. Energy Performance Contracting progressing on large civic buildings. Refurbishment works on Corporate buildings achieving energy savings through internal reorganisation changes, and fitout works. Currently no retrofit proposed on building envelopes.	Ongoing
E16	Boiler replacement programme in social housing stock underway	In the next 5 years	Housing	150 boilers upgraded annually	 	354 Boilers replaced, with upgraded heating controls during 2019; and 274 to date in 2020.	Ongoing
E17	Insulation of all council owned social housing stock; extended to include acquisitions and long term leasing where feasible	In the next 5 years	Housing	All Council owned social housing insulated by 2019	 	All social housing stock as of 31/12/15 complete. All buy-ins and LTLs since that date have been provided with attic insulation. Going forward all buy-ins will be audited and insulated/upgraded as necessary.	Ongoing
E18	LED lighting changeover of social housing voids and tenant changeover	In the next 5 years	Housing	100% of all voids and re-lets upgraded	 	100% of voids and re-lets upgraded during 2019 & 2020	Ongoing
E19	Complete single glazing replacement programme in social housing stock and extend to include long term leases and acquisitions	In the next 5 years	Housing	All single glazing replaced by 2019	 	100% complete for council owned social housing stock and acquisitions. Single glazed window replacements forms part of the long term lease agreement.	Ongoing
E20	Conduct a pilot to deep retrofit social housing voids to inform potential for roll out for all stock	In the next 5 years	Housing	Pilot underway	 	A suitable pilot site has been identified and funding options are being explored. Phase 1 of the Energy Efficiency Retrofitting Programme 2018-2020 as operated by the Department of Housing, Planning and Local Government is continuing in 2020 as part of our re-let programme. On average 85% of stock benefits from a BER uplift.	Ongoing
E21	Automatic shutdown of computers and lighting in all of Fingal's offices and depots	In the next 5 years	I.T., Facilities Management	# of systems installed	 	Automatic shutdown of computers is complete. Lighting in County Hall is already under the control of localised motion detection. Lighting in Grove Rd is manually shutdown by Security Staff. Lighting in Libraries is manually shutdown by local staff. A feasibility study can be undertaken to retrofit lighting with localised motion detection. Lighting in Depots is manually shut down by security staff.	Ongoing






NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
<b>RESEARCH &amp; INNOVATION</b>							
E22	Study potential for viable district heating projects within Fingal	In the next 5 years	Codema / Climate Action	Study complete	  	Potential scheme has been identified and relevant stakeholders contacted. Data centre future proofed for DH heat recovery.	Ongoing
E23	Study potential for viable renewable energy projects on a temporary/permanent basis, on council controlled lands	In the next 5 years	Climate Action / EETD	Study complete	 	Consultants appointed to undertake a feasibility study of installing photovoltaic (PV) panels on the former Balleally landfill site, in compatibility with the masterplan for the Park.	Ongoing
E24	Work with SMEs in partnership with SEAI to promote energy efficient adaptations	In the next 5 years	LEO / EETD	# of SMEs availing of funding from SEAI	  	A committee comprising the heads of LEO and Enterprise Ireland has been established (Sept 2020) to examine options and develop new initiatives in this area. In addition, the CAROs have commenced a project, with the CCMA Economic, Enterprise, Community & Culture committee, to establish the best approach and practical ways the local government sector can promote the opportunities arising from climate action, within the local enterprise function. This will be underpinned by research into relevant policy instruments and funding streams, at EU and national level. A number of strategic partners are involved, such as the Department of Jobs, Enterprise and Innovation, DCCAT, the Regional Assemblies, the LEO network, Enterprise Ireland, Maynooth University School of Business and a number of Regional Enterprise Plan Programme Managers are also contributing to this project.	Ongoing
E25	Engage with SEAI to help develop education programme for SME sector	In the next 5 years	LEO / SEAI	# of programmes developed/delivered	  	A committee of LEO Heads with Enterprise Ireland has been established (Sept 2020) to examine options and develop new initiatives in this area. In addition, the SEAI Energy Academy is a free online training resource offering a wide range of courses and modules focussed on all areas of energy efficiency and management. They are designed to help business save energy and lower costs which can in turn help businesses grow. FCC will aim to promote this course amongst SMEs in Fingal. <a href="https://www.seai.ie/energyacademy/">https://www.seai.ie/energyacademy/</a>	Ongoing
E26	Support Small Business Innovation & Research (SBIR) programme	In the next 5 years	Corporate / IT	Energy and climate change challenges identified for SBIR programme	  	SBIR Smart Mobility Hub Challenge progressing to Phase two pilot. See Action no. T5.	Ongoing
E27	Work with CARO / Codema on research and project proposals for grant funding	In the next 5 years	Climate Action / CARO / Codema	# of research projects initiated	  	CARO and Codema continue to update local authorities on climate related research and funding streams that are available for climate and energy related projects. CARO and Codema have lodged an expression of interest to the Climate Action Fund on behalf of the 4 DLA for grant funding for an Urban Solar Farm across suitable LA rooftops potentially piloting PV with Green Roofs. This is a DeliveREE application, EUFC and future CAF.	Ongoing



# ENERGY & BUILDINGS

NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
E28	In all Council building projects, new build or retrofit, Swift Bricks or other nesting sites for swifts will be provided where practicable	In the next 5 years	All Departments / Architects	# of nesting sites provided		Ecology reports commissioned at planning stage on newbuilds and recommendations incorporated in designs. No swift bricks or nesting boxes completed to date. Revisions to standard Social Housing Specification proposed for Q2 2020 will include requirement	Ongoing
<b>ENERGY AWARENESS</b>							
E29	Monitor and develop the Home Energy Saving Kits scheme in Fingal Libraries	In the next 5 years	Community, Codema	Borrowing rates from libraries		Due to high demand 4 additional Energy Kits were added to Fingal Libraries bringing the total number of kits up to 15. The kits have been issued 74 times. Many library users have used the COVID-19 lockdown time productively and borrowed the kits to check their homes for energy efficiencies.	Ongoing
E30	Annual energy awareness event	In the next 5 years	Climate Action / Codema	Annual event held		Energy piece included in five public events in 2019 including four Public Consultation events on the draft CCAP, in Swords, Blanchardstown, Sutton and Balbriggan - SEAI attended and gave advice on home energy efficiency grants & technical advice, Codema attended and gave advice on home energy efficiencies; FCC staff attended and gave details of energy efficiency improvements in social housing. Electric vehicles were available for test drives. SEAI and FCC staff also attended our energy tent at Flavours of Fingal. Codema facilitated two home energy awareness lunchtime lectures for FCC staff in 2019. COVID-19 pandemic resulted in the deferral of 2020 event.	Ongoing
E31	Promote and support SEAI's Better Energy Communities and Sustainable Energy Communities	In the next 5 years	Climate Action / All Departments	# of communities supported		Staff from the Environment Department have engaged with SEAI to determine how LAs might best support these SEAI programmes and to assess the resource requirement. There are currently 9 SECs in Fingal. The SEAI assigned mentor is assisted in promoting SECs through the PPN. FCC supports SECs through Codema, who are lead mentor, and also by taking on the role of lead applicant.	Ongoing
E32	Develop and encourage CPD training in energy awareness amongst Fingal staff	In the next 5 years	All Departments / Architects	Ongoing programme		Ongoing across a number of Departments: Architects: Annual in house CPD Programme, target min 25% seminars with energy/sustainability focus. Membership of Irish Green Building Council with monthly bulletins circulated including CPD opportunities for staff to see best practice. Building Facilities Staff have participated in SEAI Energy Public Partnership Programme and associated training. Codema have provided lunchtime lectures on home energy awareness in 2019 for all staff. CARO are producing a Building Energy Manual for LA's to assist building managers optimise energy efficiencies.	Ongoing
E33	Expand tenant induction programme to include tenant energy awareness	In the next 5 years	Housing / Architects	100% of tenants provided with energy saving tips		The Programme has been expanded to include information and advice regarding environmental awareness, waste management and energy conservation. 265 households attended tenant induction during 2019. Inductions were provided for 220 units in 2020.	Ongoing



NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
E34	Install high visibility PV panels on suitable Council roofs such as libraries and community buildings	In the next 5 years	Facilities Management	Panels installed	 	Feasibility Study being undertaken by Codema, 12 Buildings included in proposal submitted under Climate Action Fund application. If submission unsuccessful FCC will start installing same in 2021.	Ongoing
E35	Conduct research and case studies on appropriate and sensitive retrofitting/energy upgrading of traditional buildings to inform works to Council owned properties and to guide private owners	In the next 5 years	Planning & Strategic Infrastructure	Case studies completed		The Conservation Officer has undertaken CPD on Fundamentals of energy renovations for traditional buildings and is engaging with regional colleagues to develop case studies. DCC are due to publish "Built to Last" document so potential to utilise DCC template.	Ongoing







# TRANSPORT




NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
<b>STAFF TRAVEL</b>							
<b>T1</b>	Install quality teleconferencing facilities between Blanchardstown and Swords	In the next 5 years	I.T.	Facilities installed		Microsoft Teams has been rolled out to all staff. Also, in response to the COVID-19 pandemic, laptops have been issued to all staff who require the use of computers for their work. Accordingly, all office staff now have videoconferencing services available to them.	Complete
<b>T2</b>	Modernise the workplace to facilitate flexible working arrangements to reduce staff travel (e.g. Skype)	In the next 5 years	Human Resources / I.T.	Modernisation programme underway		Digital Workplace Programme underway, Office365 implementation (including MS Teams) is complete, all office staff have been issued with laptops, telephony system replacement has commenced, Sharepoint Online project in progress in Corporate Affairs & Governance, CRM Online project has commenced, further phases in planning	Ongoing
<b>T3</b>	Implement carbon offset programme for official flights and investigate an appropriate offsetting scheme for the Council's other business travel emissions	In the next 5 years	Corporate / Climate Action	Programme implemented		An appropriate Carbon offsetting programme is under development. CO <sub>2</sub> emissions associated with 2019 & 2020 official flights will be offset once the programme is up and running. LAs are awaiting updated guidance from SEAI in relation to the monitoring and reporting of energy and carbon targets to 2030 and whether offset programmes can be taken into account. CAROs are working with a sustainability consultant to prepare a short guidance document on Carbon offsetting for Local Authorities.	Ongoing
<b>T4</b>	Promotion of Cycle-to-Work Scheme for Council staff	In the next 5 years	Human Resources	# of staff availing of scheme		Ongoing - advertised on staff messages Feb 2020	Ongoing
<b>T5</b>	Provide an electric vehicle in County Hall courtyard and Blanchardstown for use by staff travelling to site visits and meetings	In the next 5 years	HR / Operations	EVs provided		SBIR Smart Mobility Hub Challenge progressing to Phase two pilot in October 2020. The hub will have electric bikes and electric cars available for staff use in the Swords staff car park and the Blanchardstown staff car park. Planning is underway.	Ongoing
<b>OPERATIONS</b>							
<b>T6</b>	Continued electrification of the Council's vehicle fleet as market technology develops	In the next 5 years	Operations	% of total fleet converted to EVs		34 fully electric vehicles in the fleet. 11% of entire fleet or 15% of commercial vehicle fleet. 15 more electric vehicles ordered, delivery Q1 2021.	Ongoing
<b>T7</b>	Expand availability of EV charging points for Council staff and operational vehicles	In the next 5 years	Operations	# of charging points		Adequate provision relative to EV coverage. 12 provided for Council staff, 27 for fleet across 6 sites.	Ongoing






NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
T8	Electric vehicle charge points to be provided in car parking for new Fingal Corporate buildings and social housing where technically feasible	In the next 5 years	All Departments / Architects	# of EV charge points provided	 	28 EV charge points provided at recently completed social housing newbuilds at Rivermeade & Rolestown. EV charge points will be provided in new Corporate Buildings. EV charging Infrastructure (ducting and cabling), is included on social housing construction programme to allow for fitting unit if occupant has EV vehicle.	Ongoing
T9	Provide eco driving training to Council drivers	In the next 5 years	Human Resources	# of staff trained	 	Training programme under development. CARO working with Donegal CoCo have produced a case study which will inform our programme.	Ongoing

## INTEGRATION OF SPATIAL PLANNING & TRANSPORT






T10	To plan spatial development patterns which reduce transport demand and encourage low carbon transport modes. E.g. consolidation of existing communities already served by public transport and close to established social and community infrastructure and the creation of new communities serviced by high quality transport links	In the next 5 years	Planning & Strategic Infrastructure / Operations	Kms of cycle routes, # of schemes completed		Planning for Action is set out in Development Plan and is enacted in Development Management. Reporting of indicator is tied into actions T12, T13, T15, T17, T18, T24.	Ongoing
T11	Promote the installation of EV charge points in curtilage, for all new house constructions in Fingal	In the next 5 years	Planning & Strategic Infrastructure	Policy adopted	 	Promotion of EV charging points takes place during pre-planning. Policy will be incorporated into the Development Plan at next variation.	Ongoing







## ACTIVE TRAVEL & BEHAVIOUR CHANGE

T12	Build out Fingal's cycle network offering direct routes to local destinations and public transportation hubs. Develop linked cycling trails, greenways and green belts for recreation and biodiversity protection	In the next 5 years	Planning & Strategic Infrastructure / Operations	Kms of cycle routes, # of schemes completed		Large number of projects ongoing. Substantial progress being made. See action T13 & T15 for projects and T17 for link ups.	Ongoing
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# TRANSPORT

NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
<b>T13</b>	Advance the provision of new cycle networks across the County such as the Fingal Coastal Way, the Sutton to Malahide Cycleway, the Broadmeadow Way, the Harry Reynolds Road Cycle Route and the Royal Canal Urban Greenway, etc.	In the next 5 years	Planning & Strategic Infrastructure / Operations	Kms of cycle routes, # of schemes completed		A number of projects at various stages of design, planning and construction. Substantial progress is being made. For example: the Harry Reynolds Road Cycle Route & the Royal Canal Urban Greenway are at preliminary design stage, Fingal Coastal Way at route selection stage of prelim design, the Broadmeadow Way granted planning approval in May 2020, the Sutton to Malahide cycleway is underway with the Baldoyle to Portmarnock section officially opened this year, the main section is at preliminary design. The Donabate Distributor Road which includes high quality cycle facilities is now in service. Further new cycling connections will be delivered under the NTA Stimulus funding July 2020. 11 schemes have been identified, mainly aimed at improving safety for cyclists through segregation and junction improvement (see action T17); new connections will also be developed at R132 Lissenhall, Minister's Road to Blake's Cross and Kilhedge Lane; and at Malahide Estuary Cycle.	Ongoing
<b>T14</b>	Support the Greater Dublin Cycling Network Plan	In the next 5 years	Planning & Strategic Infrastructure / Operations	Kms of cycle routes, # of schemes completed		Support of the Plan is incorporated into the Development Plan and is a part of P&SI Department ongoing programme of projects and plans.	Ongoing
<b>T15</b>	Advance the construction of the following road schemes which will include a high quality cycle network - Donabate Distributor Road, Rathbeale Road Upgrade and Snugborough Interchange and Ongar - Barnhill Link Road, etc.	In the next 5 years	Planning & Strategic Infrastructure / Operations	Kms of cycle routes, # of schemes completed, map produced		Donabate Distributor Road and Rathbeale Road were both completed in 2020. Ongar-Barnhill Road Scheme tendering for contractor in Q4 2020, and Snugborough Interchange Scheme progressing to construction in Q1 2021.	Ongoing
<b>T16</b>	Implement traffic calming programme including provision of new signalised pedestrian crossings	In the next 5 years	Operations	# of traffic calming measures		Ongoing. Within works programme, approx 26 provide in 2019 - 2020. For example - a new 4 armed roundabout has been provided in Carpenterstown with Zebra crossing improving access for school children. Likewise, a mini roundabout has been provided in Skerries at the Barnageenagh Road Jn with Dublin Road.	Ongoing
<b>T17</b>	Regular maintenance of regional and local roads to encourage modal shift to cycling	In the next 5 years	Operations	Km of roads maintained that facilitates modal shift		Ongoing. Within works programme. Installation of pedestrian crossings, speed ramps, junction improvements, vehicle activated signage. Provision of wave delineators and flexi bollards to provide light segregation on existing cycle routes. Segregated cycle lanes and upgrade of cycle lanes under NTA stimulus. Pedestrianisation of New St Malahide, Well Road Swords, Widened footpaths: Skerries Harbour Road, The Mall Malahide, Strand Road Portmarnock.	Ongoing

NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
T18	Improve conditions and uptake of cycling through public realm / local area plans	In the next 5 years	Planning & Strategic Infrastructure / Operations	# of projects implemented, # of and kms of planned cycle paths		Local Area Plans (LAP), Public Realm have been undertaken in accordance with agreed P&SI programme of plans and projects; and contain requirements for cycling infrastructure. Each LAP represents a planning framework for the sustainable development of the area. These LAP are key vehicles for delivery of development in these areas and set out specific objectives for that area. Each LAP contains specific public realm improvements and cycling objectives specific to that area. For example, the Rivermeade LAP 2018, outlines the opportunity the LAP provides for pedestrian and cycle routes within the village and improve connectivity between Rivermeade and Swords and Finglas. Accordingly, a key objective of the LAP is to maximise the accessibility of existing and proposed recreational amenities by developing a network of key cycle and pedestrian routes. Any planning application or other consent process (i.e. Part 8's) is assessed against the targets and objectives in the LAP and these cycle links will be provided in tandem with other development and in accordance with the P&SI programme of plans.	Ongoing
T19	Re-organisation of allocation of space to pedestrians in the public realm	In the next 5 years	Planning & Strategic Infrastructure / Operations	Pre and post surveys of pedestrian numbers		This is implemented as part of Urban Framework Plans, Public Realm Projects and other local plans. Fingal recognises the importance of vibrant urban centres, and associated quality of life and wellbeing, and acknowledges that a greater balance between users is required with the emphasis on an improved pedestrian environment, and aims to deliver through these plans.	Ongoing
T20	Increase the quantity of bicycle stands in the public domain	In the next 5 years	Operations	Projects implemented, # of bike stands		400 additional bicycle stands supplied and being rolled out across the county in Q3 & Q4 2020	Ongoing
T21	Expand bike sharing schemes in urban areas	In the next 5 years	Operations	# of bikes provided		Bleper bike piloted in Blanchardstown and expanded to Swords, Malahide & Howth. Bleper bikes ramped up to 110 bikes during CV19 pandemic. Bike rides on Bleper bikes increase from average in 2019 of 505 rides per monthly to 2069 in April 2020, 6769 May 2020, 4438 June 2020, 2154 July 2020. Currently 64 bikes.	Ongoing
T22	Promote and facilitate additional car sharing schemes	In the next 5 years	Operations	# of cars provided		Ongoing with 2no provided to date. Community car piloted in Howth and expanded to Skerries.	Ongoing
PUBLIC TRANSPORT							
T23	Develop a policy with NTA for the provision of Park & Ride facilities across the County	In the next 5 years	Operations, Planning & Strategic Infrastructure	Policy developed and sites identified		Ongoing. FCC Operations staff have engaged with NTA / TII on policy formation and to identify potential sites.	Ongoing



# TRANSPORT

NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
T24	Support the development and expansion of existing public transport services including MetroLink, BusConnects and DART expansion to Balbriggan	In the next 5 years	Planning & Strategic Infrastructure	Public transport supported		<p>All public transport projects listed in the FCC Dev Plan are supported. Pre-planning meetings are ongoing. In particular, the Council advises the NTA and TII on the locations of public transport routes and stops, reserves planned routes free from development, and allows high-density development along existing and planned public transport corridors. Fingal is an active participant in all aspects of these projects.</p> <p>For example, Fingal is working continuously with the TII on the MetroLink project. Bi-weekly engagements are undertaken in order agree issues such as station design, route alignment, station integration with the surrounding environment, construction methodology, landscape planning and environmental assessment. The TII expect to lodge the railway order for MetroLink mid next year with construction to commence in 2022 and the system operational in 2027. In advance of MetroLink commencing, Fingal are also upgrading and improving junctions and pedestrian and cycle facilities, for example, it is proposed to upgrade the R132 roundabouts in Swords. These changes are required as the current junction arrangements do not meet the growing demand for sustainable and assessible transport options for a road within an increasingly urban environment.</p>	Ongoing
T25	Expand the availability of EV charge points in towns and villages in line with national policy as it develops	In the next 5 years	Operations	# of charging points		<p>The ESB have led in the provision of public EV chargers to date and maintain a map of public EV chargers at <a href="https://esb.ie/ecars/charge-point-map">https://esb.ie/ecars/charge-point-map</a>. FCC have installed 6 public EV chargers to date. FCC in collaboration with CARO &amp; DLA through the Dublin Regional EV Charge Point Strategy Group &amp; CCMA EV Working Group, are considering strategic locations for the provision of public EV chargers across the region; and appropriate funding models, phased installation, management &amp; maintenance contracts, considering a Dublin wide roll out of the recommended model. Smart Dublin are also a funder of Dublin EV Strategy with 4 DLAs and CARO.</p>	Ongoing
T26	Identify and put in place the resources necessary to develop and implement a cycling strategy	In the next 5 years	Operations	Resources assigned		<p>Resource to be identified and assigned. Various initiatives which will support the strategy have commenced.</p>	Ongoing



# FLOOD RESILIENCE






NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
<b>FLOOD RISK MANAGEMENT</b>							
<b>F1</b>	Implement <i>The Planning System and Flood Risk Management - Guidelines for Planning Authorities</i> (2009)	In the next 5 years	Planning & Strategic Infrastructure	# of projects following guidelines		Ongoing, through development management and forward planning.	Ongoing
<b>F2</b>	Undertake Strategic Flood Risk and SuDS Assessments for all LAPs, SDZs and development plans	In the next 5 years	Planning & Strategic Infrastructure	Assessments completed		Currently being undertaken by consultants managed by FCC Forward Planning (Water Services) division. 20 surface water management plans have been progressed for various LAP's, Masterplans and other study areas within the County since 2018. 10 have completed and a further 10 are currently being progressed.	Ongoing
<b>F3</b>	Finalise a SuDS policy in collaboration with all Fingal departments	In the next 5 years	Planning & Strategic Infrastructure	SuDS policy finalised		Draft Final Policy document complete. The policy is aimed at providing advice and guidance with regard to SUDS design, Taking in charge and maintenance requirements, to prospective planning applicants.	Ongoing
<b>F4</b>	Mid-term review of the Strategic Flood Risk Assessment (SFRA) for the County Development Plan	In the next 5 years	Planning & Strategic Infrastructure	Review completed		Consultants to be appointed in 2021 to undertake review of SFRA.	Not started
<b>F5</b>	Protect and conserve floodplains, wetlands and coastal areas subject to flooding through available policy instruments	In the next 5 years	Planning & Strategic Infrastructure	Map of areas to be protected, # of hectares protected		Identification of areas undertaken through Strategic Planning Process in SFRA of Plans and Projects	Ongoing
<b>F6</b>	Assess the feasibility of green roofs on all new Fingal public, operational and social buildings and provide where viable and appropriate	In the next 5 years	All Departments / Architects	Assessments completed and provided		Ongoing assessment, green roofs are proposed for two newbuild Community centres at preliminary planning stage. A green roof will be provided on Skerries Library extension which is currently at detailed design stage. External funding source budgetary constraint on social housing programme limits installation of green roofs on social housing schemes.	Ongoing
<b>F7</b>	Update Council Emergency Response Plans to include flood event response	In the next 5 years	Corporate / Operations	Plans completed and updated yearly		Plans in place and kept under review	Ongoing
<b>F8</b>	Develop template for extreme weather events to capture details, response and costs (including ecosystem services/ natural capital costs) for all major climate events	In the next 5 years	Corporate / Finance	Template developed and issued		Underway. FCC are currently trialling the WIRE (Weather Impacts Register) app, which has been developed by Atlantic Seaboard North CARO, for data collection and reporting of extreme weather events. A system to capture & record the LA response & associated costs is under development Q4 2020.	Ongoing
<b>F9</b>	To engage with the Fingal Coastal Liaison Group with the integration of adaptation strategies into planning policies, etc.	In the next 5 years	Planning & Strategic Infrastructure	# of meetings held each year		Community engagement ongoing. Fingal has become a partner in the CCAT (Coastal Communities Adapting Together) EU funded INTERREG programme focused on informing and involving coastal communities in Climate Change initiatives.	Ongoing







# FLOOD RESILIENCE









NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
<b>F10</b>	Develop a climate change impact GIS risk map with scenarios for the Dublin Region	In the next 5 years	Climate Ireland / Environment / All Departments	GIS map developed		FCC commenced a Climate Change Risk Assessment of Cultural Heritage sites (as per action F25). This project will inform the development of an impact risk map for the region. Also, to support local authorities and sectors in performing climate change risk assessments, Climate Ireland in collaboration with the CAROs propose the development of an online Qualitative Risk Identification and Assessment Tool. This tool is envisioned to be an online portal allowing users to access, view and interrogate the pertinent spatial datasets and within a risk assessment framework. This proposal has not been given formal approval at the time of writing of this report. Use of the WIRE app (see F8) will also support this action through captured imagery and weather event impact details.	Ongoing
<b>F11</b>	Archaeological and heritage assets to form part of all climate risk assessments including opportunities for integration of cultural heritage in adaptative mitigations e.g. green infrastructure, cycle ways, nature-based solutions	In the next 5 years	Planning & Strategic Infrastructure	Assets included in risk assessments		Ongoing. Heritage Officer has inputted on opportunities for integration of cultural heritage into the Fingal Coastal Way.	Ongoing
<b>F12</b>	Identify projects and opportunities for collaboration with relevant stakeholders to assess and prioritise cultural heritage sites vulnerable to climate change	In the next 5 years	Planning & Strategic Infrastructure	# of projects participated in		Ongoing. Consider that this action will feed from the outcome of the Climate Change Risk Assessment of Fingal's Cultural Heritage (Actions F25 & F11) to identify which sites should be chosen; delivery in 2021 / 2022.	Ongoing

## FLOOD DEFENCE

*The following flood storage actions will incorporate nature-based solutions and biodiversity enhancement measures where possible:*






<b>F13</b>	Develop and implement Coastal Protection Plan for Portrane	In the next 5 years	OPW / Planning & Strategic Infrastructure	Plan produced and actions implemented		An Options Report has been completed by RPS Consulting Engineers and the preferred option has been communicated to the community in Sept & Oct 2020 through a series of virtual information meetings. The installation of specially designed Y-shaped groynes structures combined with beach supplementation and flood embankments at the Burrow and a floodwall in Rush are considered the preferred coastal defence options. The consultants will now progress the EIAR and AA for this project with the view to get the planning documentation ready for An Bord Pleanála in summer 2021	Ongoing
<b>F14</b>	Progress OPW flood protection scheme at Mill Stream Skerries	In the next 5 years	OPW / Water Services & Environment	Project completed		OPW are undertaking the preliminary design. Data collection being undertaken to enable calibration of the hydraulic model. 5 river gauges on the Mill Stream.	Ongoing



NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
F15	Progress OPW flood protection scheme at Bissett Strand and The Green Malahide Village	In the next 5 years	OPW / Water Services & Environment	Project completed		Brief being prepared by Fingal/OPW, the project will proceed to development consent stage provided it meets cost/benefit criteria	Ongoing
F16	Progress OPW flood protection scheme at Portmarnock Bridge	In the next 5 years	OPW / Water Services & Environment	Project completed		Brief being prepared by Fingal/OPW, the project will proceed to development consent stage provided it meets cost/benefit criteria	Ongoing
F17	Continued engagement with the OPW to progress further studies of areas within Fingal at risk of flooding, and development of suitable schemes such as Strand Road Sutton and Santry	In the next 5 years	OPW / Water Services & Environment	Schemes identified		Ongoing. Dublin City are undertaking a catchment study of the Santry River to return the river to a more natural state. Fingal are participating in the early stages of this project.	Ongoing
F18	Develop a coastal monitoring programme to measure coastal erosion along the Fingal coast	In the next 5 years	Coastal Liaison Group, Planning & Strategic Infrastructure	Monitoring programme set up		OPW in consultation with Fingal is piloting the Rogerstown Outer Estuary as one of 5 national locations. Drone flights have commenced and this pilot will inform the roll out of a National programme.  A new National Coastal Change Strategy Steering Group was also recently set up to examine this issue.	Ongoing
F19	Identify sites where flood defence features can be removed or relocated to increase flood capacity of rivers and estuaries	In the next 5 years	Planning & Strategic Infrastructure	# of sites identified		First three sites identified, but more detailed analysis required to determine potential impacts of embankment removal	Ongoing
F20	Restore St Ita's wetlands to maximise water attenuation capacity and nature conservation benefits	In the next 5 years	Planning & Strategic Infrastructure	% of wetland restored		First phase of wetland restoration complete and grazing introduced. Road contractor to restore damaged part of wetland site in 2021. Haul road to be removed.	Ongoing
F21	Record on a GIS layer the Council surface water system and make it available to all relevant staff from Operations & Planning. This must include all SuDS systems and flood embankments	In the next 5 years	Water Services, Operations, Planning & Strategic Infrastructure	Surface water system recorded on GIS layer		Cross departmental data gathering & mapping underway.	Ongoing
F22	Prepare a maintenance register for the entire surface water system within the county, including SuDS, pipes and culverts to aid proactive maintenance, alleviate flooding and maintain water quality	In the next 5 years	Water Services, Operations, Planning & Strategic Infrastructure	Maintenance register created		Cross departmental data gathering & mapping underway.	Ongoing



# FLOOD RESILIENCE

NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
F23	Identify and put in place the resources to develop and promote SuDS, including: Promote and encourage community involvement in the retrofit of SuDS in existing developments, maintaining community rain gardens, discourage hard paving in gardens and retrofit raingardens / water butt installations	In the next 5 years	Planning & Strategic Infrastructure	Resources and programme in place	 	<p>SuDS policy in Draft Final status. The promotion of SuDS measures into developments is undertaken through the Development Management &amp; Forward Planning processes.</p> <p>However further resources are required to insure quality implementation of same in developments, some of which will remain private and some will be publicly maintained. Resource to progress implementation following the planning process, and promote community awareness/involvement to be identified and assigned.</p>	Ongoing
F24	Create a case study of SuDS at Local Area Plan level	In the next 5 years	Planning & Strategic Infrastructure	Case study complete		<p>Currently underway with proposal for the development of Barnhill LAP. The LAP will include a variety of SuDS measures including planter gardens, downpipe planter gardens, swales, wetlands, using SUDS features as an artistic/public realm features through the "percent for Art" scheme.</p> <p>Also proposed are metrics for measuring effectiveness of implemented SUDS systems.</p>	Ongoing
F25	Carry out a Climate Change Risk Assessment of Fingal's Cultural Heritage to identify and survey the architectural and archaeological heritage sites and designed landscapes	In the next 5 years	Planning & Strategic Infrastructure	Risk Assessment completed		<p>Project ongoing. Tendering and evaluation has taken place. Inception meeting between consultants and project steering group scheduled for September 2020. Project behind schedule as a result of COVID-19 working arrangements.</p>	Ongoing
F26	Develop maintenance and condition survey programmes for Council owned historic buildings and ancient monuments that are informed by climate change impacts	In the next 5 years	Planning & Strategic Infrastructure	Programmes completed		<p>Project ongoing. The development of this programme will be informed by the results of F25 which will produce a Risk Register.</p>	Ongoing






# NATURE-BASED SOLUTIONS







NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
<b>OPERATIONS</b>							
N1	Engage with sectoral adaptation plan on biodiversity to identify key habitats and species at risk from climate change impacts	In the next 5 years	Planning & Strategic Infrastructure	Workshop carried out, risks and responses identified		Identification of key habitats and species at risk from climate change impacts will be incorporated into the Biodiversity Plan. A desktop study for the identification of habitats and species at risk was tendered unsuccessfully in August 2020 and will be re-tendered in early 2021.	Ongoing
N2	Engage with regional working group on nature-based solutions once set up	In the next 5 years	Planning & Strategic Infrastructure	Working group established		Regional engagement ongoing including studying effectiveness of green roofs. A pilot study on the effectiveness of green roofs to reducing storm water flows and in relation to sustaining Biodiversity is planned for the Skerries Library extension.	Ongoing
<b>GREEN INFRASTRUCTURE</b>							
N3	Develop Green Infrastructure Strategy that incorporates climate change mitigation and adaptation to increase climate resilience	In the next 5 years	Planning & Strategic Infrastructure	Strategy completed		This will be undertaken as part of the development plan review in 2021.	Not started
N4	Map access to green space in County to identify areas of need and integrate green infrastructure in access considerations	In the next 5 years	Planning & Strategic Infrastructure	Map showing green space and projects		Open Space maps are on a dedicated GIS layer and this is being updated regularly with facilities added to the relevant database.	Ongoing
<b>AGRICULTURE</b>							
N5	Engage with the agri-food sector to gain an understanding of how Fingal might better support more sustainable farming practices	In the next 5 years	Planning & Strategic Infrastructure	Sector engaged		No progress made to date, due to resource constraints & prioritisation of actions included here under NBS theme.	Not started
N6	Develop climate change initiatives in partnership with local farmers and other stakeholders	In the next 5 years	Planning & Strategic Infrastructure	Initiatives developed		No progress made to date, due to resource constraints & prioritisation of actions included here under NBS theme.	Not started
<b>TREE MANAGEMENT</b>							
N7	Review and implement the Tree Strategy to protect existing trees, increase tree cover, establish guidelines on tree maintenance and investigate feasibility of urban orchards	In the next 5 years	Planning & Strategic Infrastructure / Operations	Tree Strategy implemented, online map of trees and plants across the County		Draft Tree Strategy has been presented to Climate Action, Biodiversity, Environment Strategic Policy Committee in Sept 2020 and non-statutory consultative process to begin Q4 2020.	Ongoing



# NATURE-BASED SOLUTIONS










NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
N8	Identify sites for woodland planting that promotes an appropriate native species mix	In the next 5 years	Planning & Strategic Infrastructure	# of sites and acreage of potential woodland identified		Ongoing. Woodland Management Programme is to be developed as part of the revised Fingal Tree Strategy, currently in consultation. Woodland creation is part of a proposed targeted strategic Annual Tree Planting programme. This involves identifying and mapping priority locations within FCC's landbank suitable for woodland creation and expansion, taking advantage of government funding programmes such as the New Woodland Creation Scheme on Public Lands, FCC are participating as an active working group member with CARO, in developing guidance documents for this scheme.	Ongoing
N9	Map and protect strategic agricultural land for national food security purposes	In the next 5 years	Planning & Strategic Infrastructure / Teagasc	Resource mapped		No progress made to date, due to resource constraints and prioritisation of actions included here under NBS theme.	Not started
N10	Incorporate SuDS into Constructed Tree Pits provided by the Council and in requirements for Constructed Tree Pits conditioned by the Council in Planning Permissions	In the next 5 years	Planning & Strategic Infrastructure	SuDS incorporated		Ongoing, through development management and forward planning. SuDS are being incorporated into Constructed Tree Pits provided by the Council in paved areas (example outside Star Pub Swords) and conditioned in Planning Permissions.	Ongoing

## CONSERVATION AND PRESERVATION

N11	Develop a map of habitats and species at risk of climate change	In the next 5 years	Planning & Strategic Infrastructure	Map completed		Identification of key habitats and species at risk from climate change impacts will be incorporated into the Biodiversity Plan. A desktop study for the identification of habitats and species at risk was tendered unsuccessfully in August 2020 and will be re-tendered in early 2021. Once this study has been undertaken a map of habitats and species at risk of climate change can be prepared.	Ongoing
N12	Develop a monitoring programme of the habitats and species considered at risk of climate change	In the next 5 years	Planning & Strategic Infrastructure	# of monitoring programmes set up for habitats and species	 	This will be incorporated into new Biodiversity Plan which is under development at present. EPA funding call advertised for Rogerstown estuary risk assessment, but no proposals submitted.	Ongoing
N13	Prepare a climate proof biodiversity plan	In the next 5 years	Planning & Strategic Infrastructure	Complete review for climate relevant actions and amend accordingly		Consultation for new Biodiversity Plan is underway. Approx. 100 actions have been identified to date by NGO's, State agencies, various FCC departments, PPN network, Youth Council and the members of the Climate Change and Biodiversity SPC. The next step is to meet with the Biodiversity Forum to finalise the actions and identify the priorities for the next 5 years.	Ongoing





NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
N14	Support and promote National Biodiversity Data Centre All-Ireland Pollinator Plan Actions for Councils	In the next 5 years	Planning & Strategic Infrastructure / Operations	Actions implemented	 	FCC is a formal council partner of Pollinator plan since March 2019. Pollinator Plan supported by numerous initiatives, including: Bee Positive Garden at Bloom 2019, Bulb planting initiatives, wildflower meadows in Regional Parks & Larger open spaces. Reduction of herbicides in public parks. See action N15 for long grass open spaces.	Ongoing
N15	Increase pollinator areas in public parks and open spaces	In the next 5 years	Operations	Increased pollinator area	 	Since 2016 FCC have developed long grass Pollinator areas within existing areas of public open space and roadside margins. In the last 4 years a total of 50,000m <sup>2</sup> has been developed into pollinator areas. Each year an average of 10,000 is added.	Ongoing
N16	Support the use of allotments as a way communities can grow their own food, and lower food miles and food waste	In the next 5 years	Operations	Increased awareness	 	Ongoing, 800no allotments provided across 4 sites. Approx 80% in use.	Ongoing
N17	Prepare a heathland management plan for Howth with ecological input	In the next 5 years	Planning & Strategic Infrastructure	Plan produced		Supporting studies complete but preparation of the Heathland management plan to be postponed to 2021 to allow for the impact assessment of grazing with goats on the heathland vegetation.	Ongoing
N18	Prepare a fire management plan for heathland on Howth that includes environmental considerations	In the next 5 years	Planning & Strategic Infrastructure	Plan produced		Wildfire management strategy and Operational Wildfire Management Plan for Howth almost completed. Wildfire training for SAAO (Howth Special Area Amenity Order) and Dublin Fire brigade has been postponed due to COVID-19 pandemic.	Ongoing
N19	Create multi-functional master plans for Rogerstown and Baldoyle Estuaries and their surroundings	In the next 5 years	Planning & Strategic Infrastructure	Master plans produced		Racecourse Park takes up most of the buffer zone of the Baldoyle Estuary. The masterplan for Racecourse Park will be submitted for planning approval to An Bord Pleanála in Q4 2020. Rogerstown Estuary Masterplan is at the early stages and once the coastal protection study is complete it will progress.	Ongoing



# RESOURCE MANAGEMENT

NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
<b>PROCUREMENT</b>							
R1	Implement green procurement where feasible, starting with office consumables	In the next 5 years	Corporate	Green procurement implemented		Incorporation of green principles in major procurement processes and evaluation criteria is ongoing. CPU have included green award criteria in a number of procurement processes conducted in recent months. Energy efficiency incorporated as part of the ISO 50001 Certification. Stores buying off OGP green office consumables contract list.	Ongoing
R2	Implement green procurement at Council supported events where feasible, including reduction of single use plastics	In the next 5 years	EETD	Green procurement implemented at events		All Requests for Tenders and RFQ's for 2020 detailed FCC's policy for single use plastics at events and asked for tenderers to provide documentation of their sustainability policies. However, no events have run this year so far to make use of the updated policies due to COVID-19.	Ongoing
<b>WASTE MANAGEMENT</b>							
R3	Implement Environmental Management System for Council buildings including reduction in waste and water usage, and increased recycling	In the next 5 years	Facilities Management / Environment	EMS implemented		Underway. Managed print & digital filing. New Bin Storage and compactor awaiting tender package in Corporate Projects 2021, Item 25.	Ongoing
R4	Remove all single use items from Council canteens	In the next 5 years	Facilities Management	100% removal		Complete, and kept under review.	Ongoing
R5	Apply for Local Authority Waste Prevention Network grants	In the next 5 years	Water Services and Environment	# of grants for waste-related projects		A DLA joint application was made to the LAPN in 2020 to "Establish a network of local collection points for a Rediscover Paint Programme and prepare a campaign to promote market and highlight the service" but was unsuccessful this year.	Ongoing
R6	Promote Conscious Cup Campaign	In the next 5 years	Climate Action / Communications	# of activities, # of people reached		The Conscious Cup Campaign has been promoted by our Environmental and Climate awareness officers routinely on social media and when engaging with community groups. Representatives from Conscious Cup Campaign are facilitated with opportunities for engagement with the public and business leaders at events. All existing staff have been issued with keep cups and all new staff members receive a reusable cup when joining Fingal County Council. (Unfortunately COVID-19 is impacting on the use of keep cups as most retailers/coffee shops are not accepting keep cups at present for health protection reasons).	Ongoing
R7	Promote 'Reuse Month' annually	In the next 5 years	Climate Action / Communications	# of Council events		Ongoing on social media and at presentations including promotion of MyWaste.ie Re Use Challenge. Initiatives in Oct 2019 included the launch of the highly successful Fingal Instruments Project (Instruments handovers on an ongoing basis), and a ReUse Bus Shelter Add campaign. Initiatives in Oct 2020 included the relve fashion competition run through the rediscovery centre in cooperation with the DLA's. Ongoing promotion & support of campaigns run by the Regional Waste Office and rediscovery centre each October.	Ongoing



NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
R8	Promote recycling centres and expand the range of materials accepted where possible	In the next 5 years	Operations / Environment	Tonnage of materials accepted		Promotion ongoing. Range of materials expanded in Estuary & Coolmine recycling centres to include Instruments, and in Estuary recycling centre to include Bicycles and household items for charity incl furniture & toys.	Ongoing
R9	Promote and support circular economy initiatives	In the next 5 years	EETD	# of initiatives undertaken		EETD issued a call to businesses in Fingal for expressions of interest in collaborating with FCC on the EPA's funding call for Green Business Projects demonstrating innovation in the Circular Economy. 3 EOI's were received and the Council is supporting The Socratics Consulting Ltd.'s application to develop a technology platform to reduce food waste in Fingal. A decision is awaited from the EPA on the project proposal.	Ongoing

## LITTER & RECYCLING IN PUBLIC REALM

R10	Trial recycling bins in regional parks	In the next 5 years	Operations	# of bins		Recycle stations are currently being constructed at the picnic areas of our regional parks. This action was delayed due to COVID-19 impacting on construction contractor availability.	Ongoing
R11	Implement a programme for the installation of big belly bins across the County to reduce collection frequencies and emissions	In the next 5 years	Operations	# of bins		Programme underway with 49no installed to date. Collection frequency reduced from 2/d - 1/2d.	Ongoing
R12	Support and promote the inclusion of climate change initiatives in tidy town, green schools and cleaner communities	In the next 5 years	Climate Action	# of initiatives supported by the Council each year		Climate Action Initiatives have been promoted in Greener Communities, funded in the Community Environment Action Fund, and supported & promoted in Green Schools. Planned initiatives with tidy towns were deferred in 2020 due to the COVID-19 pandemic.	Ongoing
R13	Support marine litter clean-up initiatives	In the next 5 years	Environment / Operations	# of initiatives supported by the Council each year		Ongoing through support of An Taisce Clean Coasts, the All Dublin Clean Up day annually, and support to schools through the An Taisce Green Schools Project and the Picker Pals Project. Ongoing support (litter picking equipment) given to sailing and yacht clubs for clean-ups.	Ongoing
R14	Explore collaboration with Refill.ie to reduce single use drinking water bottles	In the next 5 years	Water Services and Environment	Feasibility assessed		Ongoing promotion of the website amongst business. Refill.ie were represented at our Climate Action tent at Flavours of Fingal Event.	Ongoing

## LANDFILL MANAGEMENT

R15	Maintain landfill gas collection and reuse system at Dunsink and Balleally Landfill	In the next 5 years	Water Services and Environment	Practically zero GHG emissions by 2030		Both systems are maintained on an ongoing basis.	Ongoing
R16	Look at feasibility of planting trees on Dunsink Landfill	In the next 5 years	Water Services and Environment	% increase in tree coverage in line with future Master Plan		A site has been identified in Dunsink and a contractor is to be engaged to commence site preparation and planting in Q4 2020.	Ongoing



# RESOURCE MANAGEMENT

NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
<b>WATER CONSERVATION</b>							
<b>R17</b>	Provide a water butt retrofit programme for Council-owned housing on a cost benefit basis, starting with voids and tenant changeovers	In the next 5 years	Housing	# of water butts installed		A scheme currently in Planning has been identified in the first instance and the programme will be expanded if successful.	Ongoing
<b>R18</b>	Assess the feasibility of including rainwater harvesting on all new Fingal public, operational and social buildings and provide where viable and appropriate	In the next 5 years	All Departments / Architects	# assessed and provided		Rainwater harvesting provided at recently completed modular building for Operations Dept at Coolmine Depot. Assessments on projects at preliminary stage and requirement for assessment feasibility incorporated in design team briefs when commissioning new projects.	Ongoing
<b>R19</b>	Incorporate low flush toilets into Council buildings, depots and housing, in line with refurbishment programmes	In the next 5 years	Facilities Management	# of low flush toilets incorporated in Council buildings, depots and housing		Low flush toilets are provided in main buildings and social housing already. Depots will be assessed.	Ongoing
<b>AWARENESS</b>							
<b>R20</b>	Develop and implement an ongoing public Climate Change Awareness Programme	In the next 5 years	Climate Action / Comms / CARO	Programme implemented		<p>Ongoing. Numerous Public Climate Change Awareness initiatives have been undertaken including 4no high profile Public Consultation events across the county in 2019, presentations to schools &amp; community groups including Environmental awareness officer presentations across FCC libraries, engagement with school children through workshops provided by GAP for transition year students, &amp; through CARO with An Taisce Green Schools utilising the CCAP as a resource for teachers; awareness tents at Flavours of Fingal &amp; Zeminar, greening of competitions, cinema and bus shelter advert campaigns; along with a sustained social media campaign - including Bee Positive animated video highlighting the importance of Bees. Public consultations in relation to projects and plans are ongoing.</p> <p>Our Communications team highlight the climate action message in the promotion of all plans and projects. EPA stop food waste master composter programme supported annually. The Climate Action team are engaging with regional colleagues in relation to the continuous improvement of awareness programmes. CARO and Local Authorities are also working with GAA on a Green Clubs pilot which will include pilot clubs from all over the country including Fingal.</p>	Ongoing





NO	ACTION	TIME-FRAME	LEAD(S)	INDICATORS	TARGET(S) IMPACTED	PROGRESS REPORT 2020	STATUS
R21	Implement a Climate Awareness Programme for staff	In the next 5 years	HR / Comms / Climate Action	Programme implemented	 	Ongoing - Climate Awareness & Environmental Sustainability messaging routinely on staff messages. All staff given a keep cup. Recycling bins & signage are maintained throughout council offices. Cycle to work scheme promoted. Codema have held Lunch n Learn Home Energy information sessions. Home energy savings kit available for staff use. EV charge points available in carparks. CARO have developed a Climate Action training programme for LA staff across 6 pillars which will be rolled out from Q1 2021. This training will be complemented by a new CARO website and knowledge hub.	Ongoing
R22	Develop and implement a Climate Change Awareness Grant Programme for schools and communities	In the next 5 years	Climate Action	Programme implemented	 	A number of grant programmes increasingly have a Climate Action, Biodiversity and Sustainable awareness focus, including Community Environment Fund and Anti-Litter & Anti-Graffiti Fund which are administered by FCC Environmental Dept. GAA club sport sustainability competition was held in 2019 and extended to soccer & rugby clubs in 2020. Clubs were encouraged to identify and commit to introducing three environmentally sustainable actions into their clubs; and guidance and support provided by our environmental awareness officer.	Ongoing
R23	As part of an emerging 'Green City' concept to produce <i>A Guide to Sustainable Business in Swords</i>	In the next 5 years	Economic & Tourism	Guide produced	 	A contractor is being appointed to co-ordinate the Council's approach to "A Guide to Sustainable Business in Swords". Engagement with businesses in Swords will commence in October and it is anticipated that the brochure will be complete by year end 2020.	Ongoing
R24	Expand tenant induction programme to include tenant energy, water, waste and environmental awareness	In the next 5 years	Housing / Architects / Climate Action	# of tenants reached	 	The Programme has been expanded to include information and advice regarding environmental awareness, waste management and energy conservation. 265 households attended tenant induction during 2019. Inductions were provided for 220 units in 2020.	Ongoing
R25	Pilot Climate Action workshops with Tidy Town committees to promote awareness of climate action at a local level	In the next 5 years	Climate Action	# of workshops		Promotion at a local level ongoing under the Climate Change Awareness Programme. Initiatives intended for 2020 were deferred due to COVID-19 pandemic.	Ongoing
R26	Establish a network of public drinking water fountains to help reduce plastic waste	In the next 5 years	Operations	# of points installed	 	Programme for the provision of contactless drinking water fountains to regional parks is ongoing. Installations in the following parks scheduled for Q4 2020 - Newbridge Demesne, Santry Demesne, Ward River Valley, St. Catherines Park, Millennium Park, Hartstown Park, Ardgillan Demesne, Malahide Demesne.	Ongoing
R27	Examine the feasibility of retrofitting rainwater harvesting measures in existing Council buildings, particularly for vehicle washing, toilet flushing and landscaping	In the next 5 years	Facilities Management / Architects	Feasibility study complete		Currently identifying suitable council buildings.	Not started

## CONCLUSION

This first annual progress report has outlined the progress to date on the implementation of FCC's CCAP and demonstrates the commitment FCC has shown in relation to delivering on climate action, and in providing local level leadership on climate action. An integrated, cross departmental approach has led to the successful implementation of the actions in the CCAP in the first year and laid a solid foundation on which to build and deliver in the second and subsequent years of the plan.

Climate action considerations are increasingly being integrated into FCC policies and plans. A Quality & Climate Resilient Environment is a strategic theme of the FCC Corporate Plan 2019-2024. A review of the FCC Development Plan 2017-2023 will commence in 2021 and climate action policies and objectives will be strengthened having regard to the Government's Climate Action Plan 2019 and other developments. The CCAP is also supported by the development of the FCC Green Blue Infrastructure (SuDS) Policy, the new Tree Strategy for Fingal – The Forest of Fingal; the Open Space Strategy, and the Biodiversity Action Plan which is being developed in response to the biodiversity crisis.

This report has outlined progress on all actions to date. The energy efficiency improvement target of 33% by December 2020 has effectively been reached, and most actions have progressed well in the first year. FCC will now build on the learnings in the first year, and sustain and improve the delivery of actions in the second and subsequent years of the plan.

The public are seeing progress on the ground through the sum of our actions and particularly in the form of the provision of active travel infrastructure and greenways, planning for public transport, energy efficiency improvements to social housing, conversion of streetlights to LED's, transition to an EV fleet, emergency response, coastal protection, management of open spaces, provision and management of bring centres, and greening of events and competitions.

Implementation of the CCAP will be an evolving iterative process. Progress is monitored by the FCC Climate Action Steering Committee and regular updates are provided to the Climate Action, Biodiversity, Environment Strategic Policy Committee. The plan will be strengthened with enhancement of actions as capacity develops, having regard to developments in Government policies and plans, technological advancements, and other developments on the climate action front.

At the time of print, Chief Executive AnnMarie Farrelly announced the creation of the Environment Climate Action and Active Travel Department which will have responsibility for mobility planning and the delivery of the National Transport Authority's cycle network within the county. The new department will continue to look after climate action, the enforcement of environmental regulations and the protection and promotion of the environment.

FCC has adapted extremely well to the challenges which COVID-19 presents and has introduced measures to assist citizens and businesses in ways that supports its climate action targets where possible. The necessary and immediate focus on COVID-19 has challenged all LA's whilst the environmental imperative for climate action remains. Implementation of increasingly effective climate action initiatives in keeping with evolving government policy will require adequate resourcing to deliver on this role. This will be a challenge for all public authorities.

The continued implementation of the DLA CCAP's, in collaboration with the CARO, Codema and other stakeholders, supported by Government policy, can contribute to setting a pathway to ensure a climate resilient region by 2030, and assist in laying the foundations for a carbon neutral society.

## APPENDIX I: ACTION STATUS DEFINITIONS

### Not started:

Action is set to start at a later stage but within the timeframe as set out in the Climate Change Adaptation Strategy/Action Plan.

### Ongoing:

Action is currently being implemented in that there is a clear implementation plan in place with a member of staff assigned responsibility for its completion. Ongoing will also encapsulate actions that require continual maintenance, such as, gulley maintenance, road maintenance etc. Actions that by their nature, can't be categorised as 'completed' due to continual maintenance requirements.

### Postponed:

Action whose start time has been postponed compared to the timeframe as set out in the Climate Change Adaptation Strategy/Action Plan.

### Completed:

Action has been fully implemented and no further work on this action is required.

### New:

Action is new and has not been previously stated in the current Local Authority Climate Change Adaptation Strategy/Action Plan. It is now included as new action based on either;

- An action in the latest publication of the All of Government Climate Action Plan that highlights local authorities as a stakeholder
- Joining in on a regional climate action project in collaboration with other local authorities (which may be subject to screening and approval by members of the local authority)

## APPENDIX II: REFERENCES

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2. <https://www.covenantofmayors.eu/en/>
3. <https://www.dccae.gov.ie/en-ie/climate-action/publications/Pages/Climate-Action-Plan.aspx>
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18. <https://www.lgma.ie/en/publications/local-authority-sector-reports/overview-of-local-authority-covid-19-innovations.pdf>

# APPENDIX III: LOCAL AUTHORITY CLIMATE ACTION CHARTER

## CLIMATE ACTION CHARTER

For Local Authorities and Minister for Communications, Climate Action and Environment on behalf of Government.

(1) The signatories share the common understanding that:

- (a) the evidence of global warming is unequivocal and the effects of climate change are clearly evident;
- (b) it is important to take action and to work together to share best practices, to reduce Greenhouse Gas (GHG) emissions and address the impacts of climate change
- (c) reducing GHG emissions and preparing for climate change impacts will generate environmental, social, economic and health benefits for individuals, families, and communities
- (d) It is important to take action to adapt to the now inevitable consequences of climate change and to work collectively to ensure that the local authority sector is positioned to build resilience against negative impacts and avail of the positive effects that may occur.

(2) The signatories acknowledge that a whole of government approach is essential in addressing climate change and recognise that:

- (a) Central Government has a lead role to play in developing policy and ensuring resources are made available to realise Ireland's commitment to achieving a net zero carbon energy system objective for Irish society and in the process, create a climate resilient, vibrant and sustainable country
- (b) Local Authorities are ideally placed to provide robust leadership in advancing this objective at the local and regional level. Support and resources will continue to be provided through the National Development Plan allocations, in addition to their own resources, which will aid them in developing and implementing relevant activities under this charter
- (c) Central and Local Government need to work in partnership and collaboration to ensure an effective response to the challenges presented by climate change

(3) This Charter acknowledges that local authorities will, with the support of Central Government:

- (a) be advocates for Climate Action in our own policies and practices, and in our many various dealings with citizens and to underpin this role through the corporate planning process.
- (b) adhere to the UN Sustainable Development Goals, in particular Goal 13 Climate Action;
- (c) aim to measure the carbon impact of our various activities as accurately as possible and report as required so as to inform relevant local, regional and national policies,
- (d) implement, in so far as is practicable, measures which reduce our carbon emissions in line with national objectives, and develop a method for planning and reporting on these actions
- (e) deliver a 50% improvement in energy efficiency by 2030(on the 2009 baseline)
- (f) ensure that policies and practices at local government level lead us towards low carbon pathways and put in place a process for carbon proofing major decisions, programmes and projects on a systematic basis, including investments in transport and energy infrastructure moving over time to a near zero carbon investment strategy
- (g) Ask suppliers as part of the procurement process to provide information on their carbon footprint and on the sustainability practices and steps they plan to reduce its impact



- (h) implement green public procurement strategy and procedures across all business areas
- (i) support our employees to undertake changes in their lifestyles both at work and at home, to reduce carbon impact and encourage work-based employee-led groups to identify and implement ideas for improvement
- (j) put in place, and resource, a long term training strategy (technical and behavioural) for LA staff to provide appropriate capacity for the sector to deliver on climate action
- (k) encourage clients/customers/service users to undertake lifestyle changes to reduce their carbon impact, with a particular emphasis on supporting those clients/customers/service users who may face difficulties in funding such measures
- (l) cultivate and actively participate in partnerships with enterprise, community and voluntary groups so as to, improve the use of resources and reduced climate impact
- (m) play a key role in helping to build and implement a sustained localised citizen engagement model in supporting the various initiatives under the National Dialogue on Climate Action
- (n) exercise our planning and regulatory roles to help improve climate outcomes in the wider community and beyond the public sector, by developing and implementing robust evidenced based policy and standards on climate action, through appropriate and relevant adaptation and mitigation measures
- (o) continue to identify and develop specific actions to be taken to reduce the risks associated with negative climate change impacts and build resilience to these impacts through effective implementation of climate adaptation strategies/ Climate Change Action Plans
- (p) support elected officials in ensuring all council led activities are climate proofed in terms of achieving effective low carbon and climate resilient outcomes
- (q) Explore opportunities to partner or collaborate on climate action initiatives across the public, private and education sectors.
- (r) Support Enterprise through LEO/LCDC offices to exploit opportunities which will arise from meeting the challenges of Climate Change
- (s) work with relevant stakeholders to source funding for implementing climate action projects;
- (t) liaise with 3rd level institutions & the research community both nationally and internationally with a view to developing centres of excellence where appropriate
- (u) develop links with young citizens to give voice to their understanding and concerns on climate change and to enhance their awareness and the actions that they can take.
- (v) continue to develop and strengthen links with both central government (relevant departments and agencies) and regional bodies to help ensure a coordinated and coherent approach to the delivery of the national climate action agenda
- (w) Monitor, evaluate and report annually on the implementation of activities under this charter



## APPENDIX IV: LIST OF ACRONYMS

BER	Building Energy Rating
CARO	Climate Action Regional Office
CCAC	Climate Change Advisory Committee
CCAP	Climate Change Action Plan
CCMA	County & City Management Association
CSO	Central Statistics Office
CO <sub>2</sub>	Carbon Dioxide
DAFM	Department of Agriculture, Food & Marine
DECC	Department of the Environment, Climate & Communications
DHPLG	Department of Housing, Planning & Local Government
DLAs	Dublin Local Authorities
DTTAS	Department of Transport, Tourism & Sport
EMWR	Eastern & Midlands Waste Region
EnPi	Energy Performance Indicator
EPA	Environmental Protection Agency
EPC	Energy Performance Contract
ESRI	Economic & Social Research Institute
EV	Electric Vehicle
FCC	Fingal County Council
GHG	Greenhouse Gases
ISO	International Standards Organisation
LAP	Local Area Plan
LEADER	Liaisons entre actions de developement de Léconomie Rurale
LED	Light Emitting Diode
LGMA	Local Government Management Agency
NAF	National Adaptation Framework
NBS	Nature-Based Solutions
NZEB	Nearly Zero Energy Building
NTA	National Transport Authority
OPW	Office of Public Works
PV	Photovoltaics
SEAI	Sustainable Energy Authority of Ireland
SEC	Sustainable Energy Community
SPC	Strategic Policy Committee
SuDS	Sustainable Urban Drainage Systems

