



IMPLEMENTATION PLAN

SOUTH DUBLIN COUNTY COUNCIL
**CLIMATE CHANGE
ACTION PLAN 2019-2024**

January 2023

Implementation Plan for SDCC CCAP 2019-2024 (2023)

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1.0 Background

The EU Adaptation Strategy to Climate Change was published in 2013, setting out a framework and mechanism for enhancing the preparedness of the EU for the current and future impacts of climate change.

In 2014 the EU Climate & Energy Framework was agreed, defining policy objectives in the 2020-2030 period and mandatory EU wide targets.

The Paris Agreement (COP 21), December 2015, Ireland, as a party to this agreement, recognises both the right and responsibility of all parties to pursue low carbon, climate resilient development and its supporting initiatives.

Ireland responded with the publication of the National Climate Action and Low Carbon Development Act 2015 (commonly known as the Climate Act 2015) which provides the required policy context for a strategic national adaptation response to climate change. The aim, as a fundamental national objective, is to achieve a transition to a competitive, low carbon, climate resilient and environmentally sustainable economy by 2050.

Under the Climate Act 2015, reductions in greenhouse gas emissions and adaptation to the impacts of climate change are being addressed through national plans, the National Low Carbon Roadmap, the National Mitigation Plan (NMP) and National Adaptation Framework (NAF).

Ireland's NAF and NMP were developed by the DCCA and provides for an all of government approach to adaptation and mitigation and requires the development of local and sectoral plans.

South Dublin County Council Climate Change Action Plan 2019-2024 (CCAP) was launched in September 2019 and submitted to the Minister for Communications, Climate Action and Environment. This was done in accordance with the requirements of the National Adaptation Framework (NAF) 2018, as local adaptation strategies were required to be submitted by 30th September 2019.

The National Climate Action Plan 2019 'To Tackle Climate Breakdown' was published in 2019. The National plan describes 183 actions aimed at enabling Ireland to meet its EU carbon reduction targets by 2030 and build the foundations for a carbon zero economy by 2050. A key action in the national plan was to have Local Authorities develop and sign up to the Climate Action Charter for Local Authorities.

The Climate Action and Low Carbon Development (Amendment) Act 2021 was published in July 2021 enshrining in law the approach and actions outlined in the National Climate Action Plan. The Act provides a legal commitment for net-zero greenhouse gas emissions by 2050, through the establishment of a 'National 2050 Climate Objective' by which the State will

pursue the transition to a 'climate resilient and climate neutral economy' by the end of the year 2050.

The National Climate Action Plan 2021 'Securing Our Future' was published in November 2021. It provides a detailed plan for taking decisive action to achieve a 51% reduction in overall greenhouse gas emissions by 2030 and setting Ireland on a path to achieve net-zero emissions by no later than 2050, as committed to in the Programme for Government and set out in the Climate Act 2021.

The National Climate Action Plan 2023 was published/launched on 21st December 2022. The supplementary Annex of Actions will be published in early 2023. The plan implements the carbon budgets and sectoral emissions ceilings, setting out a roadmap for action to halve our emissions by 2030 and reach net zero no later than 2050.

2.0 National Targets

Energy Efficiency across the public sector in Ireland is mandatory. Targets are set through Ireland's EU and National commitments and through our wider climate action goals. A target of 33% energy efficiency improvement over baselines to be achieved by all Irish public bodies by 2020 was outlined in National Energy Efficiency Action Plan 2009 and subsequent iterations. South Dublin County Council (SDCC) surpassed this target by the end of 2019. Under the National Climate Action Plan 2019 and as signatories to the Climate Action Charter for Local Authorities, SDCC has committed to a new target of 50% improvement in energy efficiency by 2030, in line with national targets outlined in the Government of Ireland's Climate Plan 2021 (Securing our Future).

As a signatory to the EU Covenant of Mayors for Climate & Energy since 2018, this Council has voluntarily committed to a 40% reduction in its greenhouse gas emissions by 2030 and become a more climate resilient region. This target was adopted by SDCC in the CCAP 2019-2024. The Programme for Government presented in 2020, outlines an ambition to reduce national carbon emissions by 7% per annum with a minimum reduction of 51% by the end of the decade (compared with 2018 levels), and to be carbon neutral by 2050.

3.0 Introduction to SDCC Climate Action Plan

The Climate Change Action Plan 2019-2024 (CCAP) defines how South Dublin County Council continuously improves its energy efficiency profile and reduces greenhouse gas emissions associated with its own buildings and operations, while making the functional area more adaptive to the impacts of future climate change.

The CCAP presents a twin approach to tackling climate change. The first, Mitigation, includes actions aimed at reducing current and future GHG emissions; examples of which include reductions in energy use, switching to renewable energy sources and developing carbon sinks.

The second approach, Adaptation, involves measures aimed at reducing the impacts that are currently being experienced through our changing climate and at those that are projected to happen in the future. The measures include flood protection, increased resilience of infrastructure and emergency response planning. The approaches are interconnected and should be planned simultaneously.

The four key targets of the South Dublin County Council's CCAP are:

1. 50% improvement in the Council's energy efficiency by 2030.
2. 51% reduction in the Council's GHG emissions by 2030 – Net Zero CO₂ by 2050.
3. To make Dublin a climate resilient region by reducing the impacts of future climate change related events.
4. To actively engage and inform our citizens on climate change.

The Plan includes a range of actions, organised across six key Action Areas:

1. Energy & Buildings
2. Transport
3. Flood Resilience
4. Nature Based Solutions
5. Resource Management
6. Citizen Engagement (added after the publishing of the SDCC CAP 2019-2024)

4.0 Delivery

4.1 Administration of the CCAP

The Management Team is key to driving the ownership of the actions to the managers within their departments, to ensure that climate change becomes part of the culture and day to day business of South Dublin County Council.

There are six Action Areas in the Plan, as identified above, and delivery of the plan is based around these six Action Areas. Action teams are tasked with delivery of the actions in their area.

4.2 Teams

Ownership and implementation of this CCAP resides within each department of SDCC. The Plan demands an inclusive approach by the full Council, as the 154 actions listed interconnect all directorates and sections through common objectives.

Given the complexity and long-term nature of climate change, it is essential that progress on the actions is continuously monitored, and that the delivery of actions is subjected to periodic review, both in terms of the validity of the underlying scientific assumptions and the appropriateness of projects, policies and programmes. Lessons learned and good practices identified during the monitoring and evaluation of ongoing and completed projects, policies and programmes inform future actions, creating an iterative and evolutionary process.

There are six action teams:

- Action Team 1 - Energy and Buildings
- Action Team 2 – Transport
- Action Team 3 - Flood Resilience
- Action Team 4 - Nature Based Solutions
- Action Team 5 - Resource Management
- Action Team 6 - Citizen Engagement

The purpose of these teams is to manage and deliver the actions of the CCAP, to ensure new actions are included and all work streams that can be captured are recognised and included.

The inclusion of 'Action Team 6 - Citizen Engagement' as an additional Action Area, acknowledges our role in increasing citizen awareness and public participation in climate change solutions.

Members of each action team are identified in Appendix 1. It is anticipated that membership will evolve as different action in the CCAP are progressed.

4.3 SDCC Climate Action Steering Group (CASG)

To ensure the 154 actions in the CCAP are delivered, a dedicated Climate Action Steering Group (CASG) was established, the CASG takes forward the governance of the CCAP in this county. This team includes Senior Management, the chairs of the six Action Teams as outlined in the CCAP. The members of the Steering Group are outlined in Appendix 1: Steering Group and Action Teams.

The objectives of this steering group are:

- To ensure alignment with National legislation.
- To work to achieve the commitments made in the Local Authority Climate Charter.
- To ensure alignment with the other Dublin Authorities and the CARO's.
- To meet the targets of the CCAP.
- To ensure budgets are aligned with targets of the CCAP.
- To ensure projects are completed and on budget.
- To ensure the actions of the CCAP are being carried out by relevant sections.
- To ensure reports are issued and deadlines met.
- To remove and include new and revised actions at annual revisions and iterations.
- To receive the required information in order to report on the Action Teams.
- To ensure all reporting requirements are completed e.g. SPC's Covenant of Mayors CARO etc.

The purpose of this group is to bring the findings and reports from the Six Action Teams to this group for regional and national reporting purposes. An outline of the overall structure is shown in the chart below.

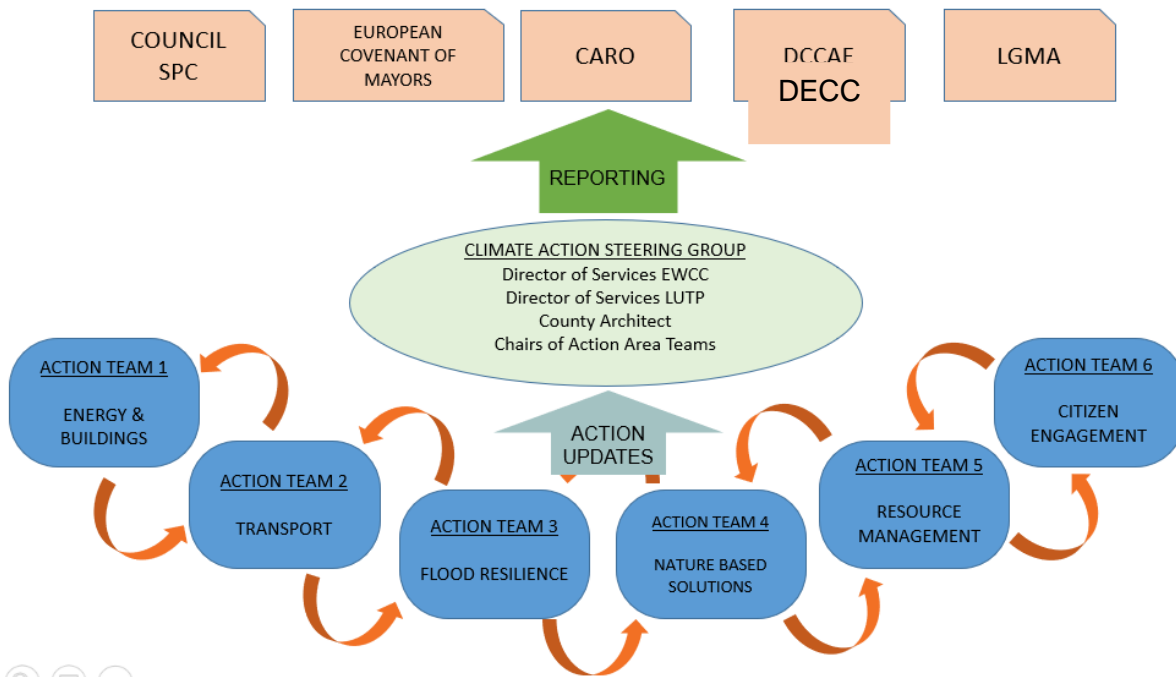


Figure 4.0: Delivery Structure

4.6 Budget

A Climate Action Innovation Budget for SDCC of €300,000 has been approved for 2023, to deliver action plan initiatives across the areas of energy, transport, biodiversity, resource management and community engagement projects. New and non-budgeted actions in the CCAP may avail of this Climate Action Innovation allocation through an application process.

It is proposed that projects or actions, once appraised and justified, with confirmation that procurement criteria has been satisfied, can be fully or partially funded from the Climate Action allocation.

Projects and actions that have been approved for the Climate Change Action Plan have been included on an action tracker to allow progress, budgets and actual costs are to be monitored.

The Climate Action budgeted items are recorded in Agresso. In order to monitor additional cost and spending pertaining to Climate Change but external to the Climate Action budget, an additional accounting tag will be introduced.

4.7 Meetings

4.7.1 SDCC Climate Action Steering Group

The inaugural meeting of this group was held on 27th June, 2019, subsequent meetings occurred every month for three months reducing to every quarterly meeting thereafter. Provisional dates and times are arranged through our administrative support team. These dates will align with the Environment, Public Realm & Climate Change SPC meetings.

4.7.2 Action Teams

It is proposed that each Action Team meet every three months throughout 2023 to review progress. Additional workshops for all team members will be held in 2023 to ensure an inclusive approach to the development of the new Climate Action Plan 2024-2029. The dates and times agreed at the inaugural meeting are arranged through our administrative support team. Actions from the CCAP will be updated on a tracker on a monthly basis by nominated personnel in relevant sections.

Actions should be reviewed by all team members prior to meetings. During the meeting team members will report on actions that are under their management.

4.8 Reporting

The following is the current list of bodies that the SDCC is responsible for reporting to, and from whom they take instruction regarding their reporting obligations:

- Environment, Public Realm and Climate Change SPC (EPR & CC SPC) and Council
- Covenant of Mayors for Climate and Energy
- Dublin Metropolitan Climate Action Regional Office (CARO)
- Department of Environment, Climate and Communications (DECC)
- Local Government Management Agency (LGMA)

To reduce the risks of omitting actions and significant items a dual approach of top down and bottom up is required.

The Action Teams will report to the CASG through their Chairs, including reporting on the actions and their associated budgets and introducing and revising actions on an annual basis.

The delivery of the CCAP is a flexible process and subject to regular reviews in terms of the appropriateness of projects, policies and programmes, as well as climate projections.

4.8.1 Environment, Public Realm and Climate Change SPC and Council

The Climate Action Co-ordinator will provide a report to the EPR & CC SPC at each of their meetings and in turn report to the full council.

This reporting system will be quarterly at each SPC meeting highlighting a specific theme from the CCAP.

4.8.2 Covenant of Mayors for Climate and Energy

As the council is a signatory to the Covenant of Mayors for Climate and Energy, which is the world's largest movement for local climate and energy actions, SDCC has pledged to support implementation of the EU 40% GHG reduction target by 2030 and to make SDCC a more resilient region. Accordingly, SDCC submitted (14/11/2019) a Sustainable Energy and Climate Action Plan (SECAP), outlining the key actions it plans to undertake. The Plan features a Baseline Emission Inventory for SDCC to track mitigation actions and a Climate Risks and Vulnerability Assessment. This commitment marks the beginning of a long-term process, a commitment has been made to submit a report on the implementation process every two years. The required information is provided to Codema, who compile and file the reports for all the Dublin LAs. This reporting system is every two years.

4.8.3 Climate Action Regional Office (CARO)

Climate change is a transboundary challenge. A Dublin regional approach has been adopted and is overseen by the Dublin Metropolitan CARO. The task of the Dublin Metropolitan CARO is to liaise with the Dublin LAs under their remit, the other three regional CAROs and respective central government departments to ensure alignment of actions. The CARO will also work with Third Level institutions in relation to research and education on Climate Action.

Reporting to CARO by SDCC is carried out formally on a quarterly basis in advance of Regional Climate Action Team meetings, whilst informal reporting will occur weekly through associations.

4.8.4 Department of Environment, Climate and Communications (DECC)

SDCC, and all public bodies, are required to report annual energy efficiency data to the Sustainable Energy Authority of Ireland (SEAI) which manages the reporting process on behalf of the Department of Environment, Climate and Communications (DECC). The required information is provided to Codema, who compile and file the reports for all the Dublin LAs.

An action progress reporting template was developed in 2020 for all LAs to complete and return to the DECC by End of October each year. The reporting term is October through September. Submission of the completed template to DECC will be followed by a CCAP Annual Report after approval by the Elected members.

This reporting system is annual.

4.8.5 Local Government Management Agency (LGMA)

The LGMA circulated a research questionnaire to all LAs in February 2019, the research was undertaken in partnership with the Climate Action Regional Offices (CAROs) on behalf of the County and City Management Association (CCMA) and the Environment Climate Change and Emergency Planning (ECCEP) Committee.

The questionnaire was devised to assist local authorities in developing a baseline assessment of local climate change actions. Nationally, local authorities are developing Climate

Adaptation Strategies and Climate Change Action Plans throughout 2019, which indicate mitigation and adaptation responses. ECCEP indicated that emergency response (remediation) following extreme weather events should also form part of the baseline assessment to facilitate a thorough understanding of all climate change actions local authorities are currently engaged in.

4.9 Risk

A high-level risk assessment was carried out as part of the CCAP process, but as described on page 31 of the CCAP a more detail risk assessment must be carried out. The aim is to identify potential future climate impacts, vulnerabilities and risks that are of greatest relevance to the council according to the key operational areas. There will also be new opportunities and benefits that will emerge during this exercise, these will also be logged and reviewed.

The key tasks are:

- Further assessment of potential future climate impacts and vulnerabilities.
- Development of a Risk Register for each Action Team.
- To prioritise climate risks.

A new Climate Risk Assessment will be completed for SDCC in 2023 as part of the development of an updated Climate Action Plan 2024-2029. Further information on the plan and timeline for the delivery of this updated plan is included in Section 6 below.

5.0 Actions/ Priority projects

5.1 Energy and Buildings

The following key actions are currently progressing and will continue to progress in 2023:

Heatnet – Work will continue to progress on the Tallaght District Heating Scheme. South Dublin County Council Civic Offices is the first building to benefit from the surplus heat. The benefits to SDCC will include low-cost heating, improved energy efficiencies and reduced CO₂ emissions compared with current natural gas heating. The project allows for additional heat sources to connect to the network providing future opportunities for business and homes to enjoy the benefits of low-cost sustainable energy. Heatworks, the management company set up and managed by SDCC, will progress the project rollout in 2023 and seek to attract new customers to the scheme. The expected cost of the initial scheme is €8M, with €4.5M coming from the National Climate Action Fund.

Public Lighting upgrades – With in excess of 30,000 units across the county, public lighting accounts for approximately 44% of the energy used by SDCC (2019 Energy Review). SDCC has committed to upgrading the public lighting network from older Sodium Oxide to more energy efficient LED units. Phase 2 of the upgrade, scheduled for completion between 2020 and 2025 will see 10,000 of the older lighting units being replaced at a total cost of €11M. 600 replacements are scheduled for 2023. Energy savings of between 50% and 65% are expected between the old and new equipment.

County Hall Lighting upgrades - Phase 1,2 & 3 of the upgrade of lighting in County Hall are complete. Works included individual offices, open plan work areas, elected members facilities and public spaces. Works involved the removal of older lighting systems and replacement with low energy consuming LEDs, Passive Infrared (PIR) sensors, dimmer controls and emergency lighting. This will continue with Phase 4 in 2023.

Energy Management System – SDCC has engaged Energy Elephant to set up a cloud-based Energy Management System. The proposed cloud-based energy data management solution will assist SDCC in efficiently managing and reduce ongoing energy use, carbon emissions and utility costs for our buildings, assets, public lighting, and vehicles. This solution will help to provide a strategic overview of energy use and costs, promoting user engagement, building a comprehensive searchable energy database, facilitating ISO 50001, recording energy initiatives and verifying energy savings. The solution will manage both billing data from invoices, and interval data from smart metering. The pilot project has run for 2 years and was funded by the Climate Innovation Fund. The system will assist SDCC in meeting EU 2030 Carbon-reduction targets.

Action updates and expected progress for 2023

The Energy & Buildings updates below outline progress to date on the 32 actions identified in the CCAP. There are currently 25 actions ongoing and 7 which have been completed as of 1st January 2023. Anticipated outcomes for 2023 are included in the updates.

- **Action E.1 - Create energy master plan for the Dublin Region**
The Dublin Region Energy Masterplan, prepared by Codema, has now been completed. It provides realistic, evidence-based pathways for the Dublin region to achieve its carbon emission reduction targets to 2030 and 2050.
<https://www.codema.ie/projects/local-projects/dublin-region-energy-master-plan>
- **Action E.2 - Develop public lighting master plan**
Phase 2 (2020-2026) of the public lighting upgrade programme was initiated in Q4 2020. The target for 2023 is to complete 600 LED upgrades. The programme of upgrading ESN legacy (Pre-1990) was started in July 2022.
- **Action E.3 - Prepare South Dublin Sustainable Energy and Climate Action Plan (SECAP)**
CoDEMA submitted the SECAP to the Covenant of Mayors in September 2019. The four Dublin LA's will review their commitments made under the CoM to align with current National and European CO2 reduction targets.
- **Action E.4 - Evidence-based Climate Change chapter in County Development Plan 2022-2028**
The SDCC County Development Plan 2022-2028 was adopted on 22nd June 2022 and came into effect on 3rd August. Climate change is a fundamental theme throughout the Plan. Each chapter indicates where objectives are climate action positive and contain a climate action audit outlining how the objectives positively contribute to climate action.
- **Action E.5 - Evidence based Climate Change chapter in Tallaght Town Centre Local Area Plan**
The elected members of SDCC resolved to adopt the Tallaght Town Centre Local Area Plan on 8th June 2020. The Plan has been in effect since 20th July 2020. Chapter 7 of the Tallaght LAP is dedicated to Climate Change. Both Mitigation and Adaptation measures are considered.
- **Action E.6 - Comply with obligations for local authorities under S.I. No. 426/2014**
Preliminary Energy Audits were completed for SDCC Buildings. Full Energy Audits were carried out by Energy Solutions on Clondalkin and Tallaght Leisure Centres. Additional, detailed Energy Audit are required for County Hall and Clondalkin Offices.
- **Action E.7 - Display energy certificates for SDCC's public buildings**
Display Energy Certificates on SDCC buildings over 250m² and frequently visited by the public are updated annually.
- **Action E.8 - Annual Monitoring and reporting to SEAI**
Annual reporting to SEAI is ongoing.

- **Action E.9 - Total emissions in South Dublin updated every two years in accordance with EU Covenant of Mayors for Climate & Energy**

As part the analysis undertaken for the Dublin Region Energy Masterplan (see action E1), total emissions for the South Dublin area have been calculated and can be viewed at the Dublin Region Energy Masterplan website.

- **Action E.10 - The Council Energy Review will include a glide path illustrating the energy efficiency and Greenhouse Gas emission targets for the council up to and including 2030**

The Gap-to-Target tool has been used to create a glidepath for SDCC to show the energy efficiency and greenhouse gas emissions against both targets. These glidepaths will be incorporated into the 2021 and 2022 Energy Reviews.

- **Action E.11 - Development of yearly Energy Review for SDCC**

The SDCC Energy Review 2021 is currently being produced. Data for the SEAI M&R system will be updated for 2022. Preliminary figures for 2022 are anticipated in Q2 of 2023.

- **Action E.12 - Development of the Tallaght District Heating Scheme**

Construction of the first phase the Tallaght DH network has been completed. The Tallaght District Heating Scheme is being led by South Dublin County Council. The scheme is Ireland's first not-for-profit utility and will make a significant contribution to reducing carbon emissions in the local area, with expected annual saving of almost 1,500 tonnes of CO₂. Engagement to secure additional customers to the network is also ongoing. Codema are working closely with South Dublin County Council to explore options for expanding the network including potential funding streams.

- **Action E.13 - Retrofits of the Council's housing stock**

SDCC received approval of funding to carry out deep energy retrofit to 117 housing units at a cost of €3.1 Million in 2021. Retrofits and upgrades were completed on 72 of these properties were in 2021. SDCC approved an additional budget of €5.1m in 2022 to complete retrofits to 146 houses.

- **Action E.14 - Energy efficiency works in Council owned and operated buildings -**

Energy efficiency works in County Council owned buildings are progressing. Energy Audits were completed for Tallaght and Clondalkin leisure centres. Particular reference can be made to the ongoing programme of upgrading office lighting to LED providing annual savings of over 53 tonnes in Carbon emissions. Other projects include design and development of NZEB and installation of renewable energy systems at the Tallaght Innovation Centre and Lucan Swimming Pool. LED upgrades were completed at the Foróige Building (Amazon Big Space), Tallaght. Commissioning of the Tallaght District Heating Scheme will be complete in January 2023, SDCC buildings in Tallaght will benefit from heating energy from the project.

- **Action E.15 - Ongoing upgrading of lights in County Hall to LEDs**

Phases 1, 2 & 3 of retrofitting LEDs in County Hall has been completed. To date an average reduction in consumption of 68% has been achieved and a 53 tonnes of CO₂ emissions have been avoided. A Review of Phase 4 of the works programme will be carried out in 2023.
- **Action E.16 - Energy Performance Contract carried out in Tallaght and Clondalkin Leisure Centres**

Detailed energy audits have been carried out by Energy Solutions on Clondalkin and Tallaght leisure centres. A detailed project appraisal has been completed and the project is expected to proceed to procurement in 2023. Preliminary energy audits were carried out for Clondalkin civic offices, County Hall, Tallaght Library and the Civic Theatre.
- **Action E.17 - Replace 4000 SOX lamps with LEDs.**

This action has been completed.
- **Action E.18 - Expand and develop Small Business Innovation and Research (SBIR) Programme**

SDCC has partnered with DCC and Smart Dublin on the delivery of Phase 2 of Smart Mobility Hub. The initiative was developed in association with SBIR and Enterprise Ireland. SDCC partnered with FCC, DCC, DLRCC, Smart Dublin, DEPR and CoDEMA to promote the Open Data Challenge in 2022. The challenge sought innovative ideas and applications using open data to drive and support climate action. Participants in the challenge were given an opportunity to showcase their work, achieve recognition, win prizes and help drive climate action in Dublin and beyond. SDCC will continue to engage with local businesses to support innovation and research.
- **Action E.19 - South Dublin County Council is committed to participating with the RIAI in particular the Sustainability Task Force in seeking new and innovative approaches to Climate action in the built environment**

The RIAI Sustainability Taskforce published the 'Sustainable Design Pathways guide to Prioritise Sustainability in the Build Environment' in 2021. South Dublin County Council are committed to delivering community infrastructure projects that fulfil National and European policies and objectives on sustainable development. Ongoing projects including Saggart Community Centre, the Old School House in Lucan and Tallaght Innovation Centre are being developed with sustainability as main objectives. SDCC have also developed their own guidance and action plans on SuDS and biodiversity. SDCC will continue to incorporate relevant recommendations from the RIAI's 'Sustainable Design Pathways Guide to Prioritise Sustainability in the Build Environment', when applicable.
- **Action E.20 - Identify sites for trialling renewable energy projects, including solar PV and Geothermal**

SDCC is working with CoDEMA to collate a list of SDCC owned buildings that are suitable for solar PV installations in order to reduce carbon emissions associated

with importing energy. South Dublin County Council has also identified the site at the disused Arthurstown Landfill for solar PV installations. SDCC are also engaging with the SEAI and CoDEMA to promote the Sustainable Energy Communities scheme, which will support community based sustainable energy projects. South Dublin County Council are continuing to investigate alternative sustainable energy sources in the county, including the potential of geothermal installations to support the district heating project. SDCC are currently investigating the feasibility of sustainably managing our grass cuttings through Anaerobic Digestion.

- **Action E.21 - The Council will investigate the Lifecycle Assessment of traditional and new construction methods for residential projects in Dublin**

SDCC have investigated methodologies to assess and analyse the full lifecycle for new buildings and construction methods. As a case study, SDCC examined the 133 affordable apartments on Belgard Square North. It has been established that the value and feasibility of developing LCAs is currently limited in relation to the availability of high-quality input data. Lifecycle Assessments have been requested for developments at Clonburris.

- **Action E.22 - In all building projects, new build or retrofit, Swift Bricks or other nesting sites for swifts will be provided where practicable. The presence of swift breeding sites will be identified to ensure that known breeding sites are not lost**

SDCC's Architectural Services department has installed boxes and roosting sites for bats, birds of prey and smaller garden birds on several building conservation projects. Additional sites will be assessed as projects come progress. The insertion of boxes on Protected Structures requires agreement and approval with the Architectural Conservation Officer. Boxes will be included as part of Rathcoole Courthouse and Saggart Community Centre refurbishments.

- **Action E.23 - Monitor and develop the Home Energy Savings Kit scheme in SDCC libraries**

The Home Energy Saving Kit scheme is continuing to operate successfully in South Dublin's Libraries (Lucan, Ballyroan and Tallaght branches). Codema recently issued SDCC with 6 new kits. Staff training on the Home Energy Saving Kits was completed in October. SDCC Libraries currently have 15 Home Energy Saving Kits available. The Home Energy Saving kits were issued 108 times in 2022. The Home Energy Savings Kits are being promoted on SDCC's Climate Action Website.

- **Action E.24 - Assess feasibility of additional low carbon district heating networks: Clonburris and Grange Castle**

Through CoDEMA's heat planning work which informs the new county development plan and the Regional Energy Masterplan, it is evident that Grange Castle and Clonburris area represents a significant opportunity in terms of DH. More detailed feasibility work, including assessment of potential heat loads, and further stakeholder engagement is required in order to ascertain viability, and progress planning of this network.

- **Action E.25 - Expand housing assistance programme to include tenant energy awareness**

SDCC's Climate Action Website will host energy saving guidance and climate action awareness for all householders and citizens including SDCC tenants and HAP. SDCC propose to produce a short video on the use of Heatpumps. Access is made available to new householders.

- **Action E.26 - Develop maintenance and condition survey programmes for Council owned historic and ancient monuments that are informed by climate change impacts**

SDCC are carrying out upgrade work at Rathcoole Courthouse. Actions will be progressed with the engagement of suitable contractor. DHLGH Architectural Protection Unit are currently working on new guidance (Improving the energy efficiency of traditionally built buildings) under Action 50d of the Climate Action Plan 2019 to provide clear and robust advice to the professional users while being accessible to interested groups and will include modelled case studies.

- **Action E.27 - Conduct research and seek to develop Council based case studies on appropriate and sensitive retro-fitting/energy upgrading of traditional buildings to inform works both to Council owned properties and to guide private owners**

Projects being carried out and delivered by SDCC under the Architectural Conservation, LUPT Capital Fund align with actions in SDCC's CCAP and National climate change policy and actions include; Killinenny Tower (ruin), Ballymount Gate House (ruin), King John's Bridge, Esker, St. Finian's Church, Esker, Kiltalown House (roof repairs). Other Architectural Conservation Projects being funded under Community Department or Economic Development include Grange Castle, Court of Petty Sessions, Rathcoole, Former St. Mary's Primary School, Saggart. The County Development Plan (2022-2026) contains a number of new policy objectives within the Architectural Conservation Section including energy upgrades and adaptive reuse of buildings.

- **Action E.28 - Identify register of opportunities to improve Green profile of Tallaght Stadium**

SDCC are preparing tender documents to appoint a consultant to carry out an Energy Audit on Tallaght Stadium. The final report will include a register of opportunities to improve the energy efficiency of the stadium and identify green infrastructure solutions to support biodiversity.

- **Action E.29 - Support CoDEMA with the development and progression of the DeliveREE project**

SDCC are working with partners including CoDEMA to deliver projects under DeliveREE. Projects in the pipeline include: Energy Performance contracts at Leisure Centres; Arthurstown Landfill PV Project; Solar PV on SDCC buildings and facilities.

- **Action E.30 - Procure Energy Audits on County Hall, Clondalkin Office, Tallaght and Clondalkin Leisure Centres**
Energy Audits have been completed for Clondalkin and Tallaght leisure centres. Preliminary Energy Audits were developed for Clondalkin and Tallaght Civic Offices. Detailed Audits are required for Tallaght and Clondalkin Civic Offices.
- **Action E.31 - Develop Implementation Plans for Clondalkin and Tallaght Decarbonising Zones**
SDCC identified Clondalkin and Tallaght as Decarbonising Zones under Action 165 of the National Climate Action Plan (2019). SDCC have engaged CoDEMA to progress the development of implementation plans which will include Baseline Energy and Carbon data, Register of Opportunities, Project Risk Assessment, Project Costs.
- **Action E.32 - Align Objectives of Clondalkin Decarbonising Zones with Local Area Plan**
South Dublin County Council have included the Planning Section in early discussions with CoDEMA to ensure that the Decarbonising Zone Implementation Plan aligns with policies and strategies in the Clondalkin Area Action Plan.

5.2 Transport

The following key actions are currently progressing and will continue to progress in 2023:

Fleet Review – SDCC currently have 11 Electric Vans in its service fleet. The annual vehicle replacement programme typically replaces 30 vehicles per annum. Electric and low carbon alternatives will be given appropriate consideration for all replacements in 2023. SDCC have appointed a consultant to carry out a review of fleet and depots and prepare a decarbonisation plan to 2030.

Charging Network - SDCC, in partnership with the other 3 DLAs, commissioned a report on an integrated strategy for the roll-out and management of an EV charging infrastructure across the Dublin region. SDCC has identified locations within communities for a pilot project where EV charging infrastructure can be installed.

Cycle South Dublin – As part of SDCC's commitment to making the County a national leader in providing a quality network of routes for cyclists, the Cycle South Dublin Plan is currently in development. This plan provides comprehensive guidance for the planning, construction and upgrading of cycle tracks and junctions for all vulnerable road users. Delivery of the plan will be staged over short-medium term goals and long-term objectives.

Action updates and expected progress for 2023.

The Transport updates below outline progress to date on the 28 actions identified in the CCAP. There are currently 20 actions ongoing and 8 which have been completed as of 1st January, 2023. Anticipated outcomes for 2023 are included in the updates.

- **Action T.1 - Implement transport energy management system**

SDCC has implemented a fuel management system to monitor fuel consumption associated with fleet. GPS monitoring also provides information relating to vehicle activity. SDCC has also initiated an Eco Driver training programme to educate council drivers on fuel management techniques reducing emissions and improving road safety. SDCC have engaged Energy Elephant to set up a portal as a pilot scheme to monitor and report on energy consumption across the organisation. When fully adopted, the system will monitor and report on electricity demand in buildings, facilities and public lighting, fuel consumption for heating buildings and fuel use for transportation.
- **Action T.2 - Ongoing replacement of Council vehicles with more energy-efficient alternatives, including EVs.**

Programme of fleet replacement is currently under review. SDCC currently own 5 Electric Vans and have leased an additional 6 EVs to facilitate the Dublin Urban Rivers LIFE project on identifying misconceptions. SDCC have appointed consultants to carry out a full review of Fleet and associated facilities and to make recommendations on vehicle replacement matching specification with task/requirement.
- **Action T.3 - Use mobile canteens with operational crews**

Mobile welfare units are currently being used by the Tree cutting crews operating out of Grange Depot.
- **Action T.4 - Promotion of Cycle-to-Work Scheme to Council staff**

SDCC encourage staff to participate in the Cycle to Work Scheme. Promotional events are run throughout the year including during Bike Week. SDCC Active travel have developed a webpage dedicated to active travel. The Cycle to Work scheme is also promoted to members of the public during bike week. In 2022, 34 members of staff availed of the scheme.
- **Action T.5 - Strengthen traditional villages by improving the public realm through enhancement of green infrastructure and sustainable transport linkages**

The District Centre Enhancement Programme will improve local business/shopping centres within communities. A key objective is to improve the green credentials of the district centres and will include increased planting, provision of green spaces, water refill stations, recycling facilities, EV charging points and improvements to street furniture to promote cycling and walking.’ The programme will commence with works to Castletymon Shopping Centre where the focus will be to support active travel, ground planting and some suds measures. SDCC are also commencing prelim design for Rosemount Shopping Centre and Bawnogue District Centre currently and are establishing the scope and identifying the green infrastructure to be included.

- **Action T.6 - Regular maintenance of regional and local roads**

This action continues on annual programme. Contractors are engaged to sweep 890km of roadway and clean 4,000 gullies each month.

- **Action T.7 - The Council will undertake an assessment of the number of existing and potential future Electric Vehicle Charge points in its jurisdiction**

SDCC, in collaboration with the other DLAs and CARO commissioned a report and strategy for the rollout of Electric Vehicle charging infrastructure across the Dublin region to ensure that a uniform approach is adopted when considering suitable locations, to match the needs of our communities, to ensure adequate facilities to keep ahead of the demand and equipment that will be compatible with existing technology and back office software. Element Energy were engaged to develop the report and strategy. SDCC are currently developing a pilot project to install public Electric Vehicle Charging points in the county. Locations identified include on street, residential, car parks, and SDCC libraries and sports facilities and properties. SDCC are working with DLAs and CoDEMA to prepare specification and tender documents to progress the roll out of the pilot project.

- **Action T.8 - Improve road safety at schools with additional school wardens**

SDCC currently employs 94 permanent school wardens and 20 temporary relief wardens. There are 92 crossings in operation and there are no current plans to expand this number. The SDCC Road Safety Officer liaises with schools across the county and provides additional road safety measures including cycle safety training for students. SDCC has also successfully developed Cycle Bus schemes for primary schools. SDCC Active Travel team support the Safe Routes To School programme, with the objectives:

- To accelerate the delivery of walking, scooting and cycling infrastructure on key access routes to schools.
- To provide 'front of school' treatments which will enhance access to school grounds.
- To expand the amount of bike parking available at schools.

The programme recognises that if more school children choose active travel to schools, it will have significant benefits for their health and wellbeing, the environment around them and make school entrances safer for all.

- **Action T.9 - Organised walks to promote healthy lifestyles, i.e. Clondalkin Route**

South Dublin County Sports Partnership organise and promote activities and events around the county. A number of marked routes are listed on the SDCSP website including:

- Paths in Tymon Park
- Sean Walsh Park Summer Walk Route map
- Waterstown Park Palmerstown Summer Walk Route map
- Collinstown Park Summer Walk Route

Marchathon and Monthly Challenges are also organised through the South Dublin County Sports Partnership. SDCC has installed drinking water fountains along popular routes to encourage and support active travel.

Biodiversity walks through SDCC parks were delivered during Dublin Climate Action Week 2022. The SDCC heritage Officer led groups through the parks to explore the multitude of biodiversity on our doorstep.

- **Action T.10 - Develop cycle network strategy**

The Cycle South Dublin (CYSD) Programme has now been ongoing for 2 years. In 2022 the following schemes were progressed:

- N81 Walking and Cycling Scheme was completed,
- Dodder Greenway Firhouse Road/Butterfield Road was passed through Part 8 planning,
- Wellington Road Walking and Cycling Scheme was passed through Part 8 planning,
- Work commenced on Templeville Road Cycle Route, Grand Canal to Lucan Urban Greenway was passed through Part 8 planning,
- D24 Neighbourhood Cycle Network Scheme Sec 38 was launched which will deliver over 12Km of Cycle track.
- Monastery Road Walking and Cycling Scheme was finished.

SDCC are awaiting final signoff by the NTA of the 2023 Active Travel planned Schemes.

- **Action T.11 - Development of cycle/pedestrian greenways**

SDCC has committed to making the County a national leader in providing a quality network of cycle routes. Projects will continue to be delivered through Cycle South Dublin in 2023.

- **Action T.12 – Build out County Cycle Network**

Over €18M was received in allocations for SDCC cycle/pedestrian schemes in 2022. The cycle South Dublin programme of works will continue in 2023. Additional bicycle parking and maintenance stands will be installed in 2023.

- **Action T.13 – Increase number of public bicycle facilities**

SDCC installed over 650 Bike Parking spaces at Schools, Sports Clubs and Public Parks in 2022. It is planned continue the programme in 2023 with 10 additional Bike Shelters, 30 Bike Repair Stations and another 600 Bike Parking Spaces.

- **Action T.14 - Extend public bicycle scheme**

SDCC are part of an e-mobility working group with all of the Dublin Local authorities. SDCC is considering a trial project in early 2023 in conjunction with e-bikes. SDCC have partnered with ESB Hub.X, MOBY and Bleeper to facilitate the installation of 4 electric bicycle hubs around the county. Additional Mobility Hub and 'Mobility As A Service' partnerships and projects will be considered in the future.

- **Action T.15 - SDCC will continue to seek new and expand on existing partnerships to encourage sustainable travel for safer travel behaviours**
SDCC are working to develop a staff mobility hub based on the model used in DCC. Initial discussions were held with Smart Dublin, DCC, FCC and Good Travel Software. The project will be reviewed in 2023.
- **Action T.16 - SDCC will establish a portal dedicated to communication and promotion of active travel within existing platforms.**
The Active Travel Website <https://www.sdcc.ie/en/active-travel> went live in July. The Website is a one stop shop for Active Travel and an informative resource for all stakeholders to use to check on our current and future plans. Interactive route maps have been added to the site.
- **Action T.17 - SDCC will engage with local communities to develop a vision for the future of their neighbourhoods with a strong focus on local living, sustainable mobility and quality of life**
Public Consultation for the Development Plan took place between 7th July 2021 and 15th September 2021. The SDCC County Development Plan 2022-2028 was adopted on 22nd June 2022 and came into effect on 3rd August. Climate change is a fundamental theme throughout the Plan. SDCC will also engage with communities on the development of the new Climate Action Plan 2024-2029 and on the implementation plans for Decarbonising Zones. Public consultation will also continue with the development of LAPs and the City Edge project.
- **Action T.18 - Facilitate the delivery of public transport routes**
The Liffey Valley to City Centre Core Bus corridor planning application has been submitted to An Bord Pleanála (awaiting decision). The proposed scheme has an overall length of approximately 9.2km. The NTA have submitted a planning application to An Bord Pleanála for the Lucan to City Centre Core Bus Corridor Scheme. The proposed scheme has an overall length of approximately 9.7km.
- **Action T.19 - Cycle training programme for 6th Class students/pedal power labs**
Cycle Right Training was provided at 12 schools across the county in 2022, 662 students participated. The programme will continue in 2023.
- **Action T.20 - Pilot VMS on Naas Road.** - The TII installed two new Variable Message Signs on the N7 either side of Newland's Cross in 2022. Messaging is controlled by TII's Motorway Traffic Control Centre. Messages displayed will include weather alerts and to support An Garda Siochana road safety campaigns.
- **Action T.21 - Expand availability of EV and other facilities for non-fossil fuel powers vehicle charging points in the County**
The four Dublin Local Authorities, CARO and SMART Dublin comprise the EV Regional working group which produced Dublin's first Electric Vehicle Strategy in June 2022. The existing public EV charging infrastructure across South Dublin is operated on a commercial basis by ESB and a few private companies. SDCC is working with identified stakeholders to ensure that new developments including carparking

facilities such as Kiltipper Park and leisure facilities are equipped with EV charging points. SDCC will facilitate the roll out of EV charging facilities in accordance with the recommendations of the Regional EV Charging Strategy (produced by the 4 DLA's, CARO and Smart Dublin). The DLAs are currently developing a pilot programme of public EV charging infrastructure to help inform and support decision making and setting standards for the delivery of a county-wide network of EV charging equipment.

- **Action T.22 - Development of Draft Dublin Regional Air Quality Plan**

In 2019, following an exceedance of the annual limit value for nitrogen dioxide at one of the air quality monitoring stations, the formal process to inform the European Commission and the Environmental Protection Agency (EPA) was initiated. The EPA informed the Local Authorities of the need for the plan and a team representing the four Dublin Local Authorities was assembled and prepared the final Plan. The Dublin Region Air Quality Plan 2021 was issued to the Minister for the Environment and the EU Commission at the end of 2021. The Dublin Region Air Quality Plan has reported that there were no further exceedances of allowable levels of Nitrogen Dioxide in 2020 or 2021. SDCC's HSE Air Quality team issued preliminary updates for the Air Quality Plan in October 2022 as requested by the EPA.

- **Action T.23 - Preparation of Interim Urban Traffic Related Air Pollution (UTRAP) Report**

The Urban Transport-Related Air Pollution Working Group (UTRAP) was formed in autumn 2019, to consider and address rising concerns about the level of transport-generated air pollution in certain areas. The interim UTRAP report prepared as part of the work of the UTRAP group which was co-chaired by the Department of the Environment, Climate and Communications and the Department of Transport. The interim report was published on the 26th of March 2021. UTRAP Final Report and Synthesis Report were circulated in Dec. 22 in advance of Ministerial approval.

- **Action T.24 - Participate in Clean Air Together air quality monitoring pilot project**

SDCC Climate Action Team will continue to participate and support our National partners on Climate Action awareness, risk assessment and citizen science.

- **Action T.25 - Support School Streets projects (Safe Routes to Schools)**

SDCC Active Travel team support the Safe Routes To School programme, with the objectives;

- To accelerate the delivery of walking, scooting and cycling infrastructure on key access routes to schools.
- To provide 'front of school' treatments which will enhance access to school grounds.
- To expand the amount of bike parking available at schools.

The programme recognises that if more school children choose active travel to schools, it will have significant benefits for their health and wellbeing, the environment around them and make school entrances safer for all.

- **Action T.26 - Support WeCount/I-Change Air quality monitoring project**
SDCC have collaborated in the WeCount / I-Change project with UCD, by funding air quality monitoring equipment at schools in the county, through the Climate Innovation Fund. SDCC Climate Action Team will continue to support local national educational institutions to raise awareness and interest in Climate Action and our environment.
- **Action T.27 - Support South Dublin Sports Partnership on community active travel projects**
SDCC Climate Action Team will continue to support the South Dublin Sports Partnership on projects that encourage Active Travel. Projects include
 - North Clondalkin Community Bike Hub
 - Active Travel walking routes
- **Action T.28 - Include/Support active travel options for travelling for Work**
SDCC supports the Cycle to Work scheme. SDCC are working to develop a mobility hub that will facilitate staff who wish to use active travel to commute to the office, but who also require the use of a car to carry out their duties.

5.3 Flood Resilience

The following key actions are currently progressing and will continue to progress in 2023:

Poddle Flood Alleviation Scheme - The Poddle FAS with an estimated value of €8m will protect 920 properties when completed. The scheme is currently in Part 10 planning with ABP. Design works are progressing on items such as the proposed defence embankments, structural defence walls and a flow control structure in Tymon Park. Details for this scheme are available on www.poddlefas.ie.

Whitechurch Flood Alleviation Scheme - The Whitechurch FAS with an estimated value of €2m will protect up to 100 properties when completed. Preliminary Design was completed in July 2020 and the scheme was submitted on August 4th 2020 to An Bord Pleanála for planning approval under Section 177AE of the Planning and Development Act 2000. Public consultation on the scheme concluded on September 17th 2020.

As part of the public consultation process, individual meetings were held and a Virtual Consultation Room was developed that could be accessed through the project website, this allowed interested stakeholders an easy interactive way to view the proposed scheme, and the associated environmental reporting. Full details of the proposed scheme can be found at <https://www.whitechurchfas.ie/>

Camac Flood Alleviation Scheme - Preliminary design commenced in November 2019. Data collection which included a groundwater survey, contaminated land desktop survey and the hosting of local information events was completed. Seasonal environmental reporting on the scheme has been completed on the relevant field surveys required for birds, flora and fauna, bat, habitat and aquatic organisms which were carried out alongside a hydromorphological assessment of the river.

Stage 1 works are expected to be complete by End of 2023. Hydraulic modelling and optioneering works are ongoing and are expected to be complete by Q.2.

Progress on the scheme can be found at www.camacfas.ie.

Action updates and expected progress for 2023

The Flood Resilience updates below outlines progress to date on the 22 actions identified in the CCAP. There are currently 20 actions ongoing and 2 which have been completed as of 1st January, 2023. Anticipated outcomes for 2023 are included in the updates.

- **Action F.1 – Transpose national Legislation and regulation on Climate Change adaptation and flood management into SDCC development guidelines**
National Legislation and regulation on Climate Change adaptation and flood management is being transposed into SDCC policy and guidelines, including Greater Dublin Regional Code of Practice for Drainage Works and the Greater Dublin Strategic Drainage Strategy (GSDSDS). SDCC have developed a SuDS guidance

document and Strategic Flood Risk Assessment to inform policy and to support the County Development Plan 2022-2028. A series of workshops were arranged to allow input from SDCC staff. McCloy Consulting were procured by SDCC to produce a suite of SuDS guidance documents and Taking in Charge guidance. The guidance documents were delivered in 2022. Implementation of the designs and recommendations and is ongoing.

- **Action F.2 – Implement Flood Risk Management Guidelines.**

SDCC's SuDS guidance documents were launched on 7th February 2022 and is available on SDCC website. <https://www.sdcc.ie/en/services/planning/planning-applications/water-and-drainage-considerations/>. Householders guide to SuDS was launched in May 2022. Staff training sessions were provided in March and April 2022. A SuDS workshop for developers was hosted by McCloy Consultants and SDCC on 24th My 2022. Taking in Charge details were issued to SDCC in August 2022. Implementation of the designs and recommendations and is ongoing.

- **Action F.3 – Cross-boundary flood management with neighbouring local authorities**

SDCC have cross boundary collaborations on Flood Alleviation Schemes with Dublin City Council. SDCC lead on the Poddle FAS, DCC lead on the Camac FAS. Telemetry is currently in place at two locations in the Poddle in South Dublin. Discussions are still ongoing with DCC to increase the number of telemetry units as part of the Poddle FAS and this will be determined if planning is approved for the scheme. Additional telemetry stations are planned for the Camac FAS when the scheme proceeds. SDCC shares across boundary platform for weather and flood warnings and management.

- **Action F.4 – Flood event emergency plans**

The Severe Weather Sub-Plan 2021/22 is available to view on the Intranet. The Flooding Emergency Plan 2021/22 reflects new regional protocols in the SWP.

- **Action F.5 – Support the development of flood forecasting and warning system.**

SDCC continues to liaise with Met Eireann

The Flood forecasting service within Met Eireann has been established. To support and input into developing this service, South Dublin County Council has appointed a Severe Weather and Flood Liaison Manager (SWFLM). Met Éireann are continuing the trial of the Flood Forecasting Centre (FFC) with daily forecast, Flood Alerts and Flood Advisories being issued to Local Authorities.

- **Action F.6 – Implement and demonstrate SuDS guidelines in own buildings and Land, SDZs and LAPs**

South Dublin County Council SuDS guidance documents were launched on 7th February 2022 and is available on SDCC website.

<https://www.sdcc.ie/en/services/planning/planning-applications/water-and-drainage-considerations/>. Householders guide to SuDS was launched in May 2022. Staff training sessions were provided in March and April 2022. A SuDS workshop for developers was hosted by McCloy Consultants and SDCC on 24th My 2022. Taking in Charge details were issued to SDCC in August 2022.

The housing development at Kilcarbery Strategic Development Zone to construct 1,000 homes includes significant SuDS measures. The housing development at Clonburris SDZ will also include SuDS measures.

The Tallaght Local Area Plan also includes SuDS design requirements in Chapter 7.

- **Action F.7 – Undertake strategic flood risk assessment of all LAPs, SDZs and Development Plans**

A Strategic Flood Risk Assessment was completed by Roughan O'Donovan to support the South Dublin County Development Plan 2022-2028. The Scope of the report included:

An assessment of the flood risk for the Development Plan Area in accordance with the 'Planning System and Flood Risk Management - Guidelines for Planning Authorities' 2009:

- A Flood Risk Assessment Report assessing the hydrology and hydraulics and determining mechanisms for flooding in the Development Plan area, taking into account anticipated future increases in rainfall, river flows and sea level rises as a result of Climate Change.
- Recommendations for future flood risk assessments.
- Delineation of Riparian Corridors at a strategic level and detail requirements for hydromorphological assessments.

- **Action F.8 – Tree planting for water attenuation**

A landscaping plan has been developed for the Poddle Flood Alleviation Scheme in conjunction with SDCC Public Realm. A similar plan will be prepared for the Whitechurch Stream FAS. Tree planting schemes with pits for water attenuation will be considered where feasible.

- **Action F.9 – Develop demonstration sites to show how to combine SuDS/flood attenuation systems with existing land uses**

SDCC has developed a number of demonstration sites to show how to combine SuDS and flood attenuation into existing land use. Examples include Integrated Constructed Wetlands at Griffeen and Dodder Valley, Permeable paving at Kiltipper Car park and Lucan Demesne. Green Roofs on Community Centres and Sports Pavilions and a Swale at Tymon Park. Additional projects will be identified in 2023.

- **Action F.10 – Protect and conserve floodplains, wetlands, rivers and watercourses subject to flooding**

A Strategic Flood Risk Assessment and Hydrological Assessment was completed by Roughan O'Donovan to support the County Development Plan 2022-2028. Included in the Risk Assessment is a review of riparian zones with definitions, mapping and objectives are included within the written statement.

A strategy is being developed for the sequential removal of culverts along watercourse routes and allowing adjacent land areas to flood water while minimising the risk of flooding to properties. The project is being carried out in cooperation with

neighbouring LAs to ensure that the removal of restricting structures is done in an appropriate sequence.

- **Action F.11 – Integrated constructed wetlands for water attenuation and purification.**

Integrated Constructed Wetlands currently in development as part of the Life project and the Flood Alleviation Schemes will also demonstrate how to combine nature and biodiversity with existing land use. A contractor was appointed in 2022, and three ICWs were successfully constructed.

- **Action F.12 – Develop a Climate Change impact GIS risk map with scenarios for the Dublin Region.**

South Dublin County is susceptible to several types of flood risk. The flood zone extent mapping were prepared and are presented in Appendix A of the SFRA report developed by ROD to support the County Development Plan 2022. The flood zone maps are primarily derived from the Eastern CFRAM and the Dodder CFRAM mapping. The maps are the most comprehensive flood maps produced for South Dublin since the introduction of the Guidelines and the Floods Directive. Flood extents for areas that are outside of the scope of the CFRAM Studies and are supplemented by fluvial mapping from the earlier OPW Preliminary Flood Risk Assessment (PFRA) Report. Additionally, pluvial flood extent mapping has been prepared for the 1% and 0.1% AEP events as derived from the PFRA study. The Flood Zone mapping is based on the best currently available data. More detailed, site specific Flood Risk Assessments may generate localised flood extents. Climate Risk Assessments will be carried out as part of the preparation of the new Climate Action Plan (CAP) 2024-2029.

- **Action F.13 – Develop template to capture impacts, response and costs (including ecosystem services/natural capital costs) for all major climate events**

The CARO have developed a mobile data collection App named WIRE (Weather Impact REgister) for local authority staff to record the impacts of weather events. The data collected by the App can be accessed via an online Map Viewer and Data Dashboard with spatial analysis and reporting functionality to assist climate adaptation planning. The WIRE App was piloted in a number of local authorities including South Dublin in 2020/2021, after which upgrade work was completed with the finalised App launched in 2022. CARO are working with interested LAs to implement the system across Climate Action Teams and wider Local Authority teams. CARO are also working to link other data collection systems in use in LAs such as MapAlerter with the WIRE App dataset.

- **Action F.14 – Update DLA urban drainage and flooding policies for current knowledge of flood risk and the latest best practice in drainage design, promoting natural flood measures as a priority**

South Dublin County Council SuDS guidance documents were published in February 2022. Householders guide was published in May 22. Training has been provided to

SDCC staff March and April 2022. Workshop for developers was presented by McCloy Consultants and SDCC on 24th May 2022. Taking in Charge SuDS documents were issued in August 2022. TIC documents are currently being reviewed. Policies have been developed in the County Development Plan 2022-2026 on Riparian Corridors based on a hydromorphological assessment and Flood Risk Assessment.

- **Action F.15 – Establish a working group to deal with the issue of pluvial flood risk, this shall include; How to manage Urban Creep and the increase in impermeable surfaces; Promotion of SuDS early in design process; development of pluvial flood forecasting through use of point rainfall forecasting.**

Working Group Established with members of Climate Action, Drainage Operations, Planning and Flood Alleviation Schemes. Urban creep and promotion of SuDS in the design process are managed through the planning process. Daily flood forecasting and guidance are currently being trialled through partnership with Met Eireann. CARO WIRE App will help identify areas where pluvial flooding occurs, Whitehall road, historical knowledge of flooding. Rainfall gauge and rainfall flow measurements were carried out on Whitehall Road. Additional Climate Risk Assessments will be carried out as part of the preparation of the new Climate Action Plan (CAP) 2024-2029.

- **Action F.16 – Risk workshops to assess impacts on Council services**

SDCC have set up an internal working group to identify specific services that can be impacted by Climate Change. Team are reviewing flood risk fluvial and pluvial mapping and identifying key council services that may be impacted.

In collaboration with the Climate Action Regional Offices (CARO), Climate Ireland has developed a semi-quantitative climate risk assessment methodology for use by local authorities. The main objective of the work was to develop a robust, replicable and transparent set of guidelines that can be used to assess the risks of climate impacts across different local authority assets and functions. The impacts investigated are some of those that local authorities have already been facing. The semi-quantitative climate risk assessment (SQCRA) methodology developed is aligned with the IPCC climate risk framework.

Workshops were held in November 2021 followed by a webinar in June 2022.

Additional Climate Risk Assessments will be carried out as part of the preparation of the new Climate Action Plan (CAP) 2024-2029.

- **Action F.17 – Whitechurch Flood Alleviation Scheme**

Whitechurch Stream Flood Alleviation Scheme: Planning Approval for the scheme was issued by An Bord Pleanála on 21st December 2020. Scheme moving to construction in Q1 2023 following Supreme Court judgement in November 2022. Scheme to be constructed by OPW. First stage of construction to be from St Enda's Park to St Gatien's Court.

- **Action F.18 – River Poddle Flood Alleviation Scheme**
River Poddle Flood Alleviation Scheme. awaiting planning decision from ABP following Part 10 planning application in February 2020.
- **Action F.19 – River Camac Flood Alleviation Scheme**
River Camac FAS: Stage 1 estimated to be completed in November 2023. Works still on-going in Hydraulic Modelling with Optioneering to be completed in early Q2. Site Investigation works to go to tender in Q1 and extra Threshold Survey and supplementary Wintering Birds Survey currently being procured.
- **Action F.20 – Minor flood schemes and general maintenance that are designed and implemented to promote Nature Based Solutions where practical**
Works completed during 2022 include:
 - Relining Surface Water Pipeline at Somerton
 - Separation of Surface and Foul water in Templeogue Village
 - Cleaning debris from riverbanks.Works will continue in 2023. The Minor Work Plan is issued to the Environment Public Realm and Climate SPC and Full Council annually.
- **Action F.21 – Communication and awareness campaigns on flood risk management and natural flood management measures**
Websites for all three Flood Alleviation Schemes are regularly updated. SuDS homeowner guide is available online. SDCC hosted Anthony McCloy for an open online discussion on SuDS as part of Dublin Climate Action Week 2022.
- **Action F.22 – Promote and encourage community involvement in the retrofit of SuDS in existing developments**
The SDCC SuDS householders guide informs and supports individuals and communities on the implementation of SuDS projects at a local community level. Community Climate Action Fund 2022 will provide funding for communities to implement natural drainage solutions in neighbourhoods. DCAW22 hosted Anthony McCloy to discuss and promote the SuDS householders guide. SDCC Climate Action Team will acknowledge World Water Day 2023 on the 22nd March with information of FAS, SuDS and ICWs.

5.4 Nature Based Solutions

The following key actions are currently progressing and will continue to progress in 2023:

Implementing SuDS Projects - Sustainable Drainage Systems (SuDS) are accepted as the preferred solution to managing our pluvial drainage requirements. Incorporating wetlands and swales into our amenities and developments provide many benefits such as the removal of many of the contaminants often picked up by flood waters and also the control of the discharge rate of rainwaters into rivers and streams preventing downstream flooding. SuDS solutions can include strategic planting and maintaining trees, hedgerows and grasses, grass-crete and permeable paving as alternatives to impermeable parking areas and maintaining and incorporating natural drainage paths and floodplains into our amenities and developments.

Biodiversity - South Dublin County Council is a listed partner with the National Pollinator Plan. SDCC supports the NPP by undertaking a range of projects to assist native pollinating insects including honeybees, bumblebees, hoverflies and butterflies. The projects include reduced mowing of grass areas to encourage the growth and development of wildflower areas.

GI Strategy - The SDCC County Development Plan 2022-2028 contains a Green Infrastructure strategy for the very first time. This will assist in mapping, protecting and developing Green Infrastructure across the County. Linking up Green Infrastructure corridors strengthens and supports biodiversity within the county.

Action updates and expected progress for 2023

The Nature Based Solutions updates below outlines progress to date on the 35 actions identified in the CCAP. There are currently 26 actions ongoing and 9 which have been completed as of 1st January 2023. Anticipated outcomes for 2023 are included in the updates.

- **Action N.1 - Establish regional working group to identify areas and priorities for action.**
SDCC has initiated contact with neighbouring LAs to establish a Regional Working Group to identify new actions and priorities. Working group will include members from 4 DLAs. Terms of reference for the group to be agreed.
- **Action N.2 – Establish a cross departmental trees and SuDS Working Group to promote and pilot water-sensitive urban design (WSUD) incorporating urban tree planting** – A SuDS Working Group was established in South Dublin County Council to progress the development of guideline for SuDS. Guidelines for SuDS include advice on using tree pits for water attenuation. SDCC are currently reviewing the Capital Works Programme to establish where SuDS can be implemented.

- **Action N.3 – Workshop to develop Dublin Risk Assessment for nature and Climate Change.**

In collaboration with the Climate Action Regional Offices (CARO), Climate Ireland has developed a semi-quantitative climate risk assessment methodology for use by local authorities. The main objective of the work was to develop a robust, replicable and transparent set of guidelines that can be used to assess the risks of climate impacts across different local authority assets and functions. The impacts investigated are some of those that local authorities have already been facing. The semi-quantitative climate risk assessment (SQCRA) methodology developed is aligned with the IPCC climate risk framework. In addition to developing guidelines for implementing a semi-quantitative climate risk assessment, three illustrative case studies were prepared to illustrate its practical implementation. The case studies investigated were (1) risk of road degradation during heatwave events, (2) risk of flooding to social housing, and (3) risk of fluvial flooding to heritage assets. Workshops were held in November 2021 followed by a webinar in June 2022. Climate Risk assessments will be completed for the 4 DLAs as appendices to the new CAP 2024-2029.

- **Action N.4 - Workshop on NBS, green infrastructure and Sustainable Urban Drainage Systems (SuDS)**

Workshops on Nature Based Solutions were delivered including SuDS guidance (delivered in modules by McCloy Consultants), County Development Plan, Hydromorphological Assessment and Riparian Corridor Designation CPD workshop was presented in association with Roughan & O'Donnovan in August 2022. KPMG delivered a workshop on Greening Factors (a measurement that describes the quantity and quality of green space and green infrastructure interventions on a site) in January 2022. Planning section are working with KPMG on developing a Greening Factor tool for use on future developments.

- **Action N.5 – Produce regional floodplain management guidelines**

SDCC will continue to work with LAWPRO and the OPW to implement CFRAMS. Ireland's Catchment Flood Risk Assessment and Management (CFRAMS) Programme is central to the medium- and long-term strategy for the reduction and management of flood risk throughout Ireland. It delivers core components of the National Flood Policy whilst also meeting the requirements of the EU Floods Directive. The programme is funded and managed by the Office of Public Works who, as competent authority, are responsible for reporting, coordination and consultation under the Floods Directive. A Catchment Flood Risk Assessment and Management study was commissioned in each River Basin District. Data collection included historic flood event and rainfall records, high resolution floodplain surveying, and detailed channel/structure surveys of selected rivers. Hydraulic models determined flood hazard and flood risk (the impact on people, the economy and the environment).

- **Action N.6 - Finalise Draft Biodiversity Action Plan** - The South Dublin County Council Biodiversity Action Plan was adopted by the elected members of SDCC at the November 2020 Council Meeting. Implementation of the actions contained with the Biodiversity Action Plan is ongoing and has been identified as a new action in the CCAP.
- **Action N.7 – Develop Green Infrastructure Strategy that identifies areas and priorities for green infrastructure and investment**
A team of consultants including Future Analytics, Mary Tubridy, Nicholas de Jong & Curtins were appointed in 2020 to develop SDCC's Green Infrastructure Strategy. The Green Infrastructure Strategy is incorporated into Chapter 4 and Appendix 4 of the County Development Plan 2022-2028.
- **Action N.8 – Develop Public Open Space and Parks Strategy that incorporates climate change mitigation and adaptation**
A team of consultants including Future Analytics, Mary Tubridy, Nicholas de Jong & Curtins were appointed in 2020 to develop SDCC's Parks and Open Space Strategy. The Draft Parks and open Space strategy is currently being prepared for delivery in 2023.
- **Action N.9 – Incorporate natural play space into existing parks for recreation and as SuDS**
The programme to incorporate natural play areas into existing parks has been completed. Policies in the CDP will support developers installing natural play spaces. Meetings with other LAs to mentor and share knowledge on natural play spaces is ongoing.
- **Action N.10 – Implement policies in the development plan avoiding artificial underground storage of water where possible in favour of nature-based solutions.**
SuDS Guidance and new policies contained in the County Development Plan will support measures to favour natural solutions to managing water on site in favour of underground attenuation. SDCC will continue to monitor developments to ensure that SuDS are being implemented in new developments.
- **Action N.11 - Develop a hedgerow plan for the County, with actions to map, protect and develop hedgerows county-wide. –**
South Dublin County Councils Tree Management Policy ' Living With Trees 2021-2026' supports the development of a hedgerow management plan. A pilot hedgerow survey was carried out in Tymon Park.
- **Action N12 – Develop urban woodland management strategy and action plan.**
A working group has been established to progress the development of an urban woodland strategy with initial focus on Tymon Park.
- **Action N.13 – Implement Tree Management Policy**
Implementation of SDCC Tree Management Policy is ongoing.

- **Action N.14 – Increase tree canopy cover in the County through annual planting and maintenance**
Approved Tree Management Strategy is in place.
- **Action N.15 – Develop coordinated regional planning approach to prevent the removal of healthy, established trees**
For regional meeting agenda. This item to be included in TOR for regional Nature Based Solutions meetings. (N.1).
- **Action N.16 – Measure and maintain species diversity in urban tree population. – Surveying of trees is continuing**
Approximately 50,000 trees have been surveyed. Tree surveying is being managed by Arbortrack.
- **Action N.17 – Develop and promote establishment of tree trails in public parks across the County.**
Tree trails have been established in South Dublin County Council parks at; Ogham Tree Trail at Dodder Valley Park, Sean Walsh Park, Waterstown Park and Firhouse/Woodlawn Park. A nature trail was installed in Dodder Valley Park. A nature trail in Rathfarnham Castle Park will be developed under the SDCC Have Your Say programme focussing on native trees. SDCC is also developing planting mini woodlands in association with community groups.
- **Action N.18 – Develop demonstration projects for successful planting and establishment of trees in urban hardscapes**
Demonstration sites for trees in urban hardscapes have been developed in Templeogue. Additional sites are under consideration.
- **Action N.19 - Provide opportunities for community engagement, involvement and activities to raise awareness.**
Eco Week 2022 was delivered to schools between 28th March and 1st April. More than 180 workshops offered to schools on a range of topics.
Dublin Climate Action Week 2022 took place in September hosting opportunities for engagement and discussion with members of the public, including webinar on Householder's guide to SuDS (developed as part of SDCC's SuDS Guidance documents) presented by McCloy Consultants. Biodiversity walks at Tymon and Waterstown Park were also delivered through Dublin Climate Action Week 2022. SDCC have engaged with and supported local communities on the development of mini woodland projects at Sean Walsh Park and Mill Land Palmerstown. SDCC have consulted and hosted public discussions on Integrated Constructed Wetlands as part of the DURL project.
Nature tree trails were developed at Firhouse/Woodlawn under SDCC's Have Your Say project additional trail being developed at Rathfarnham Castle.

- **Action N.20 – Review and climate-proof Biodiversity Action Plan, Invasive Alien Species Plan, and tree management Policy**

SDCC Biodiversity Action Plan has been reviewed and climate proofed. Invasive alien species will continue to be mapped and a management plan will be developed as part of the Biodiversity Action Plan. SDCC developed an Invasive species information video for public realm staff.

- **Action N.21 – Develop list of species native to County and map of habitats that are at risk for use in EIAs**

Action 1.1 in the Biodiversity Action Plan includes mapping the distribution of the habitats and species in the County. Habitat mapping was carried out as part of the GI Strategy. A full list of species native to the county is being developed.

- **Action N.22 – Include native species into local authority plans as a key nature-based measure where appropriate.**

Native species are included in plans where appropriate. Advice re native/appropriate species is also included in Tree Management Policy, SDCC Pollinator Plan, CDP and Biodiversity Action Plan. Planning advice to developers includes advice on planting native species. GI Strategy and Parks and open spaces strategy will support this action. Implementation of this action is ongoing.

- **Action N.23 – Survey, map and implement control of invasive species.**

Action 1.1 in the SDCC Biodiversity Action Plan includes mapping and managing the spread of non-native invasive species. List of invasive species is under development. Mapping of invasive species is ongoing.

- **Action N.24 - Incorporate actions from national pollinator plan into Green infrastructure Strategy**

A Countywide Green Infrastructure Strategy is included as a Chapter of the County Development Plan. The SDCC Green Infrastructure Strategy was developed to support and incorporate actions from National Pollinator Plan.

- **Action N25 - Manage and monitor identified 'pollinator protection sites'**

This action is ongoing. SDCC manage over 1,500 hectares of parks and open spaces and have been implementing a decreased mowing regime in recent years. SDCC is establishing grassland management regimes which will help to establish habitats for wildlife and nesting birds. SDCC currently manage approximately 150 Ha of Pollinator friendly meadows. SDCC have also signed up to the National Pollinator Plan.

- **Action N26 – Maintain and expand community gardens and allotments for local food production.**

A review of the South Dublin County Council's allotments strategy is underway.

- **Action N.27 – Support local communities with biodiversity education.**

Eco Week 2022 delivered in March. New Community Action Climate Grant will be delivered by local authorities in 2023. SDCC continues to deliver the Minor Landscaping element of the Social Credits Scheme, including the provision of a horticulturist to advise groups on planting and aftercare.

SDCC are working with and supporting local communities on the development of mini woodland projects at Sean Walsh Park and Mill Lane Palmerstown. SDCC Climate Innovation Fund provided funding to produce an information booklet (plus online version) describing how to establish a mini woodland/ stepping stones forest. The project will continue in 2023.

- **Action N.28 – Sustainable gardening workshops**

SDCC continues to deliver the Minor Landscaping element of the Social Credits Scheme. This programme includes the provision of a horticulturist to advise groups on suitable plant species, planting schedules and aftercare. Pilot Composting for Schools project has been delivered.

SDCC are also working with and supporting local communities with the development of mini woodland projects at Sean Walsh Park and Mill Lane Palmerstown. SDCC plan to produce an information booklet (plus online version) describing how to establish a mini woodland/ stepping stones forest. This will include choosing a suitable site, ground preparation, ordering plants, planting and maintenance.

SDCC SuDS householders guide outlines effective measures of using planting to enhance gardens, manage rainfall and provide habitats for pollinators.

- **Action N.29 – Develop demonstration sites to show how to combine nature conservation with existing land uses.**

SDCC have developed Integrated Constructed Wetlands as part of the Life project and the Flood Alleviation Schemes. These ICWs combine nature and biodiversity with existing land use.

SDCC also manage and maintain over 1,500 hectares of parks and open spaces and have been implementing a decreased mowing regime over the past number of years. SDCC is establishing grassland management regimes which will help to establish habitats for wildlife and nesting birds. SDCC currently manage 163 Ha of Pollinator friendly meadows.

The development of mini woodlands at existing facilities including Sean Walsh Park and Mill Lane Park, Palmerstown support wildlife and biodiversity while providing valuable community space and awareness training.

- **Action N.30 – Deliver Green Roof on Civic Buildings.**

Green roofs have been developed by South Dublin at several of its sports pavilions, community centres and depots. Additional Green Roofs will be considered in design where appropriate and feasible. Additionally, SDCC will continue to support educational institutions with monitoring the performance of our green roofs.

- **Action N.31 – Maintain and increase Green Schools Programme participation**

The Green Schools Programme is ongoing in South Dublin.

- **Action N.32 – Engage with residents and relevant stakeholders on Climate Change and Biodiversity to incorporate their ideas into Council strategies and plans.**

The SDCC Climate Team is working with Tallaght Community Arts to deliver "Growing a Future" project in St Enda's Park.

SDCC are also working with and supporting local communities on the development of mini woodland projects at Sean Walsh Park and Mill Lane Palmerstown. SDCC plan to produce an information booklet (plus online version) describing how to establish a mini woodland/ stepping stones forest.

SDCC Heritage Officer delivered a presentation to the Heritage and Climate webinar series co-ordinated by the national Heritage Officer Network. Title: Species-rich grasslands, public parks and carbon sequestration.

- **Action N.33 – Assess the benefits of increasing buffer distances of 10m from watercourses to protect biodiversity and provide greater flood attenuation for distances of 20m, 50m and 100m.**

As an addition to the development of strategic flood risk assessment for the CDP, the consultants were engaged to carry out a hydromorphological assessment at a strategic level. The Plan includes mapped riparian corridors for the first time and associated policy which has been developed following the hydromorphological assessment. The mapped riparian corridors and associated policy in the new County Development Plan are now established. The County Development Plan 2022-2028 came into effect in August 2022.

- **Action N.34 – Implement actions from the Biodiversity Action Plan – ‘Connecting With Nature’**

The South Dublin County Council Draft Biodiversity Action Plan 2020-2026 was adopted by the Council in November 2020. The Plan contains 12 key actions under the headings

- Getting to Know What We Have - Spatial Projects
- Telling The Story - Engagement, Education and Research
- Leading The Way - Policy, Good Governance and Climate Action
- Biodiversity - Protect, Restore and Create

Implementation of the Biodiversity Action Plan will continue in 2023.

- **Action N.35 – Carry out wetland surveys of lakes and ponds in South Dublin**

SDCC are carrying out a wetland survey in association with An Taisce’s Legacy4Life Ponds for Biodiversity project. The overall aim of this project is to raise awareness of the incredible importance of ponds as reservoirs of biodiversity within the landscape and to support capacity development and expertise in pond creation, management, and conservation. This will be achieved through public awareness and community mobilisation whereby communities can learn the value of these small wetland habitats and how they contribute to water quality and the persistence of local wildlife populations while also aiding ecosystem resilience in the face of climate change.

5.5 Resource Management

The following key actions are currently progressing and will continue to progress in 2023:

Progress Arthurstown Sustainable Energy Project – South Dublin County Council has identified the site at the disused Arthurstown Landfill as a potential renewable energy project. A detailed appraisal was completed to assess the potential to develop a renewable solar energy project at the site;

- An initial 200kw project to partially cover the base load requirements of the leachate treatment plant,
- A feasibility study for a larger commercial PV farm.

SDCC will establish a review group to assess the feasibility of the options presented in the report and progress a business case for the proposed development.

Action updates and expected progress for 2023

The Resource Management updates below outlines progress to date on the 31 actions identified in the CCAP. There are currently 28 actions ongoing and 3 which have been completed as of 1st January 2023. Anticipated outcomes for 2023 are included in the updates.

- **Action R.1 – Monitor and enforce waste regulation**
Monitoring and enforcement of waste regulation in South Dublin is ongoing. SDCC Waste Enforcement Officers engage with business and communities to help manage waste and prevent illegal dumping. CCTV monitoring of bottle banks and high-risk dumping sites is ongoing.
- **Action R.2 – Introduce measures to reduce waste in Council Buildings**
Measures to reduce waste in SDCC County Council buildings are ongoing. SDCC work in partnership with waste management contractors on awareness campaign to reduce waste. Climate Change and Environmental Awareness Officer engages with building managers to further reduce waste. SDCC are actively engaged with office contractors including canteen management to reduce waste. SDCC discourage the use of single use plastics at County Council supported events. SDCC Waste management contract tendering process is currently underway.
- **Action R.3 – Introduce measures to increase recycling in Council buildings**
SDCC have introduced several measures to increase recycling in Council buildings, including:
 - Removal of single use cups and cutlery from the canteen and coffee dock.
 - Introduction of segregated bins and composting facilities in the offices and canteen.
 - Collection and recycling of old used batteries.
 - Promotion of WEEE collection schemes annually in County Council buildings.

- CCEAO working with facilities management to improve food waste segregation in kitchenettes.

Implementing best practice will be the responsibility of new waste management contractor.

- **Action R.4 – Civic amenity waste stations**

Management of civic amenity waste stations is ongoing.

- **Action R.5 – Apply for Local Authority Prevention Network grants**

SDCC apply annually for Waste Prevention Network Grants. An application will be submitted in 2023 subject to applicability.

- **Action R.6 – Create 'Stop Food Waste' campaign for businesses and schools**

SDCC continues to promote the Stop Food Waste messages over our social media channels. SDCC supports and shares campaigns managed by EPA including the current Summer Food Waste campaign.

- **Action R.7 – Promote Eco-week**

Eco-Week 2022 was delivered between 28th March - 1st April. Over 185 workshops were made available to schools across the County. SDCC will support Eco-Week in 2023.

- **Action R.8 – Promote Re-use month annually**

Reuse Month takes place in October every year. Funding was made available from South Dublin County Councils Climate Innovation Fund to produce a documentary on 'Fast Fashion' as a joint project with the other Dublin Local Authorities. Fast Fashion documentary will be launched in Q.2 2023.

- **Action R.9 – Promote programmes to advise businesses on reducing waste, e.g. EcoMerit**

SDCC Climate Action team are currently working to deliver the Sustainable Business Programme to deliver a sustainable business project for the sector in South Dublin. South Dublin Local Enterprise Office have approved 23 projects to receive consultancy support under the Green4Micro programme.

- **Action R.10 – Eliminate single use plastics at Council organised events**

South Dublin County Council prohibit the use of single-use plastic items at County Council organised and licensed events. SDCC managed events will allow compostable materials to be used as substitutes for SUP. A guidance document on eliminating Single Use Plastics from SDCC events will be prepared 2023.

- **Action R.11 – Ongoing support of the Conscious Cup Campaign / promotion of reusables over disposables**

Deposit & Return Cup was reintroduced on 14/2/2022. Single use cups have been removed from the main canteen. Single use cups are still available in the Coffee Dock and a 30-cent levy applies. Reusable cups are also sold at cost price at the Coffee Dock.

- **Action R.12 – Ongoing support of the Small Business Innovation Research (SBIR)**
South Dublin County Council supports SBIR through projects delivering on climate action and waste management. Opportunities for small business to engage with SDCC have been promoted through the LEO and Chamber.
- **Action R.13 – Run anti-dumping / anti-litter campaigns.**
SDCC Environmental Awareness Office runs regular anti-dumping/anti-litter campaigns. Subject to funding from DECC a range of initiatives will be delivered in 2023.
Initiatives and campaigns in 2022 included;
 - New dog fouling campaign were launched in South Dublin
 - Anti-Graffiti - Dublin Canvas
 - Launching a gum litter taskforce in July.
 - WEEE collection.
- **Action R.14 – Waste Prevention Fund.**
Project for the SDCC Waste Prevention Fund will be evaluated in 2023.
- **Action R.15 – Introduce measures to reduce waste and increase recycling.**
A review of the SDCC Community Recycling Strategy commenced in September. The new strategy document will outline a new approach for the identification and development of additional bring sites.
- **Action R.16 – Provide more glass recycling in public realm**
A review of the SDCC Recycling Strategy commenced in September 2022. The review includes consultation with residents living in close proximity of glass recycling banks.
- **Action R.17 – Introduce leaf composting programme**
Leaf collection forms part of the road sweeping contract held by Oxigen. Leaves from this are sent for composting. SDCC procured heavy duty compostable bags for leaf collection and distribution to members of the public, and for Oxigen to collect.
- **Action R.18 – Support and promote tidy towns initiative in County. –**
SDCC supports the Tidy Towns programme through funding and training. Community workshops on Climate Change and local initiatives are delivered to interested community groups and Tidy Towns committees throughout the year, including Social Inclusion Week and Dublin Climate Action Week.
- **Action R.19 – Examine the potential of Arthurstown Landfill for development of green energy uses**
SDCC have been working with CoDEMA to establish a solar PV facility at Arthurstown Landfill. A smaller PV project has been appraised and considering the options SDCC are recommending a 200kW array on the site to contribute towards the energy demand of the site, to produce 50% of the current demand. Due to the phasing of the mechanical equipment, the site will not benefit from 50% reduction in energy costs. Energy produced will be exported to the national grid, and then imported to match the demand. Battery storage to augment the system was rejected as the benefits and payback periods are not sustainable.

The commercial 6MW PV project on the site is progressing to Feasibility study stage. The project will require a new grid connection which will be a significant investment. The feasibility study and financial appraisal will include a review of the type of contract/partnership options available to SDCC.

- **Action R.20 – Implement water conservation campaigns in civic buildings**

A project to install automatic shut off faucets in the WCs in County Hall was carried out. Phase 2 of the water conservation project to install low flush toilets will commence in 2023 as part of a refurbishment project.

- **Action R.21 – Identify pilot locations for water access points (Single-use plastic elimination).**

15 Public drinking water fountains were installed in South Dublin County Councils' public realm, as a measure to reduce Single Use Plastics and to encourage active travel. Details of use are tracked on a web portal. To date, over 210,000 (equating to over 4,500kg) plastic bottles have been averted from circulation. Additional Water fountains will be considered for inclusion at public facilities as developments and upgrades are planned.

- **Action R.22 – The Council will work with the Local Authority Waters Programme in its support of communities and stakeholders in the delivery of local water quality projects and initiatives.**

SDCC supported LAWPRO with the River Basin Management Plan. A Virtual public meeting was held for South Dublin on 23rd February, 2022. LAWPRO attended the SDCC Climate Festival in Tymon park on 17th September, 2022 as part of Dublin Climate Action Week. LAWPRO will join SDCC to acknowledge World Water Day 2023 on 22nd March.

- **Action R.23 – Trial of low-flush toilets in Council headquarters and social housing.**

A project to install automatic shut off faucets in the WCs in County Hall was carried out. Phase 2 of the water conservation project to install low flush toilets will commence in 2023 as part of a refurbishment project. Low flush toilets are installed as standard in all SDCC new Social Housing Building projects.

- **Action R.24 - Research feasibility of rainwater harvesting in Council Buildings. -**

Rainwater harvesting opportunities at county hall were investigated as measures to reduce consumption of treated water and to aid attenuation. The project was deemed to be not economically viable in County Hall or Clondalkin offices. The proposal is being considered on other Council buildings, including the development of green and blue roofs at SDCC depots and facilities.

- **Action R.25 – Promote recycling and the circular economy to householders through a range of workshops, talks and programmes.**

South Dublin County Council continue to promote recycling, sustainable living and the circular economy to households and community groups through the delivery of workshops and discussions. The EAO is available to discuss and inform communities

on request. Events such as DCAW are used to deliver discussion on Circular Economy.

- **Action R.26 – Explore collaborations with stakeholders such as Refill.ie to reduce single use items.**

SDCC works with many partners to promote sustainable living habits to the citizens of the county. SDCC have been supporting the Conscious Cup Campaign (single use coffee cups) and Refill Ireland (water bottles). SDCC have installed 15 drinking water fountains in the public realm to promote active travel and to reduce the amount of Single Use Plastic bottles going to waste. To date, almost 210,000 (equating to over 4,500kg) plastic bottles have been averted from circulation. SDCC will continue to promote reusables across all of its social media channels in 2023.

- **Action R.27 - The Council will strengthen existing networks and create new climate change links to encourage all business community stakeholders to engage with Climate Change action and enhance existing projects and initiatives. Interest areas could include energy efficiency measures, renewable energy opportunities, climate adaptation and resilience measures, access to funding sources, etc.**

South Dublin County Council is strengthening its existing networks and developing new partnerships to encourage the business community to engage with Climate Action initiatives. The Tallaght District Heating Scheme has presented an opportunity to strengthen its partnership with Technological University of Dublin (Tallaght). SDCC participates in meetings with the South Dublin Chamber, Corporate Social Responsibility Group to develop sustainability and green measures. SDCC encourages our Business Community to participate in the Sustainable Energy Authority of Ireland, (SEAI) Sustainable Energy Communities programme, which supports community efforts and to develop networks of energy awareness.

SDCC Climate Action Team working with ACE Enterprise Park to support a grant application.

- **Action R.28 - Investigate sustainable solutions to the management of grass cuttings**

South Dublin County Council is currently reviewing seasonal grass cutting schedules to optimise benefits to biodiversity and to reduce carbon emissions associated with deploying machinery. Alternative solutions are being investigated into disposing of the cuttings, currently being used as fodder. SDCC has engaged with industry and academic experts on anaerobic digestion and other potential sustainable solutions.

- **Action R.29 - Provide Climate Awareness training for all staff**

South Dublin County Council is working with the LASNTG, CARO and LGMA to roll out the National Six Pillars Climate Action training programme to relevant staff across the organisation.

Raising Awareness training is mandatory and has been made available to all indoor staff.

- Championing Leadership has been presented/made available to Senior Staff and Elected Members.

- Actioning Policy training has focused on the delivery of Green Public Procurement Training (GPP).
- Building Capacity training was delivered in Q.4 2022. The rollout of this training will continue in 2023.
- Empowering Change training was delivered to key staff in April 2022. The rollout of this training will continue in 2022 & 2023
- Delivering Action training will be delivered within Local Authority settings and Regional Training Centres between the period August 2022 - December 2023.
- **Action R.30 - Establish Green Procurement working group –**
A Green Procurement Working Group has been established in South Dublin County Council with responsibility to oversee the progression of;
 - The green procurement objectives outlined in the Corporate Procurement Plan 2021-2023, and
 - The implementation of the EPA Green Public Procurement Guidelines 2022 for the ten priority sectors identified to work towards the Programme for Government commitment of implementing green public procurement (GPP) in all tenders using public funds by 2023.

Procurement is an enabler to achieving many of the South Dublin Climate Action Plan 2019-2024 targets, and the working group will consider synergies with these actions as well as exploring other opportunities for green procurement.

- **Action R.31 - Investigate option to replace fossil fuelled hand tools with battery**
SDCC is continuing to replace fossil fuelled handheld equipment with rechargeable battery alternatives, including:
 - Chainsaws
 - Lawnmowers

5.6 Citizen Engagement

We understand the importance of engaging with our citizens on all of our actions. Through representations and questions from our elected members, public consultation sessions and our own Customer Care management system, we are aware of the significant level of interest and concern that the public hold regarding the environment and climate change. Citizen engagement, including our use of social media, provides a platform to SDCC to discuss our activities and achievements with the public, and collect valuable feedback to benefit the scope of future works.

A range of communication strategies are being deployed to keep the people of South Dublin informed on how we are progressing towards achieving the targets of the Climate Change Action Plan.

Action updates and expected progress for 2023

The Citizen Engagement updates below outlines progress to date on the 6 actions identified in the CCAP. There are currently 5 actions ongoing and 1 which has been completed as of 1st January, 2023. Anticipated outcomes for 2023 are included in the updates.

- **Action CE.1 - Develop SDCC Climate Change website**

South Dublin County Council had developed its own Climate Action Website. The Climate Change Website www.southdublinclimate.ie was launched on 20th June, 2022. The website will inform citizens of the ongoing efforts on managing Climate Change in South Dublin County Council, and act as a portal and resource for communities to access Climate Action information and updates on related events taking place in the County.

- **Action CE.2 - Produce Climate Action newsletters**

South Dublin Climate Action Team started producing Climate Action Newsletters in 2021. Each newsletter focuses on a different theme of the SDCC Climate Change Action Plan, 2022-2024. The newsletter is circulated to staff, elected members and members of the public who subscribe.

- **Action CE.3 - Support the SEAI Sustainable Energy Communities project**

South Dublin County Council continues to support the Sustainable Energy Authority of Ireland's (SEAI's) Sustainable Energy Community (SEC) programme. SDCC has co-signed a Memorandum of Understanding with SEAI for the provision of bridging finance to facilitate communities to develop Energy Masterplans up to the value of €30,000 under the Sustainable Energy Communities programme.

SDCC and Sustineo, the appointed mentors and advisors to the SEC programme in South Dublin continue working to recruit additional groups. Recruitment events were held throughout the year including at Dublin Climate Action Week Climate Festival in Tymon Park on the 17th September.

A framework of energy consultants has been prepared for the Dublin Region to work with communities and to develop Energy Masterplans. Clondalkin SEC are currently preparing a proposal to be submitted to the SEAI for approval to join the scheme.

- **Action CE.4 - Support GAA Green Clubs project**

South Dublin County Council supports the G.A.A. Green Clubs Project. The Green Clubs Programme is an all-island programme. The GAA, in partnership with the LGFA, Camogie Association and local authorities across Ireland, are launching a Green Club project, to offer support and guidance to clubs in the areas of:

- Nature & Biodiversity,
- Energy Savings,
- Waste & Plastic Reduction and
- Transport and Travel.

Lucan Sarsfields, participated in the pilot programme.

- **Action CE.5 - Support/Participate with DLAs Climate Action Awareness Campaign Climate Action Week**

SDCC hosted Dublin Climate Action Week 2022 between the 12th and 17th September 2022. The event was launched at the Clondalkin Round Tower Visitor's Centre. Additional Climate Action engagement events will be progressed in 2023.

- **Action CE.6 - Support local schools and universities on Climate Change awareness projects and studies**

South Dublin County Council is committed to supporting and partnering with local schools and further educational bodies on Climate Action projects. SDCC Climate Action teamwork with Comhairle na nÓg and Foróige to include the youth in our conversations.

SDCC will continue to engage and collaborate with local schools and universities on projects including:

- Active Travel
- Cycle training
- Air quality science projects
- Dublin Climate Action Week
- Innovation week

6.0 Preparation of SDCC's Climate Action Plan (CAP) 2024-2029

6.1 Introduction

The Climate Action and Low Carbon Development (Amendment) Act 2021 requires each Local Authority to prepare a Climate Action Plan containing both Mitigation and Adaptation measures. LAs will have 12 months from the date of instruction to prepare the plan and 1 additional month to bring it to Council and have it approved (April 2024). The plan will have a timeframe of 5 years.

Section 16 of the Act refers to the Role of Local Authorities and paragraph 8 states that: *'The Minister may issue guidelines, consistent with furthering the achievement of the national climate objective, to local authorities in respect of the content and preparation of a local authority climate action plan and a local authority shall comply with any such guidelines.'*

This process commenced on the 19th November 2021, where draft guidelines for LA CAP were circulated by the CCMA Climate Action, Transport and Networks Committee (CATN) for discussion/comments. The guidelines were developed through a collaborative engagement with stakeholders, including CAROs, DECC, various Energy Agencies, EPA, SEAI. On 16th September 2022, the LGMA issued Draft Local Authority Climate Action Plan (CAP) Guidelines to the CE and DoS nationally. The draft guidelines were informally endorsed by the CATN and recognised that Local Authorities are at different stages in addressing climate action.

A formal instruction from the Minister is expected in early March 2023 for all Local Authorities to develop a statutory Climate Action Plan within 12 months of the instruction.

SDCC and the three Dublin Region Local Authorities currently have comprehensive Climate Change Action Plans (CCAP) in place. In 2023, SDCC will seek to increase the level of ambition in the existing CCAP and to align with the actions and targets in the National Climate Action Plan 2023 and the key responsibilities set out by the Draft LA CAP Guidelines.

6.2 Draft Guidelines

The draft guidelines are intended to support Local Authorities in both the context and preparation of the LA CAPs and comprise of five separate documents – one overview document and three technical annexes drilling into the greater levels of details required:

1. **Local Authority Climate Action Plan Guideline** giving an overview of the concepts behind the local authority climate action plan.
2. **Technical Annex A:** Provides guidance on managing the process of *Developing and Implementing the Climate Action Plan*. This follows the provisions of Climate Acts 2015-2021.

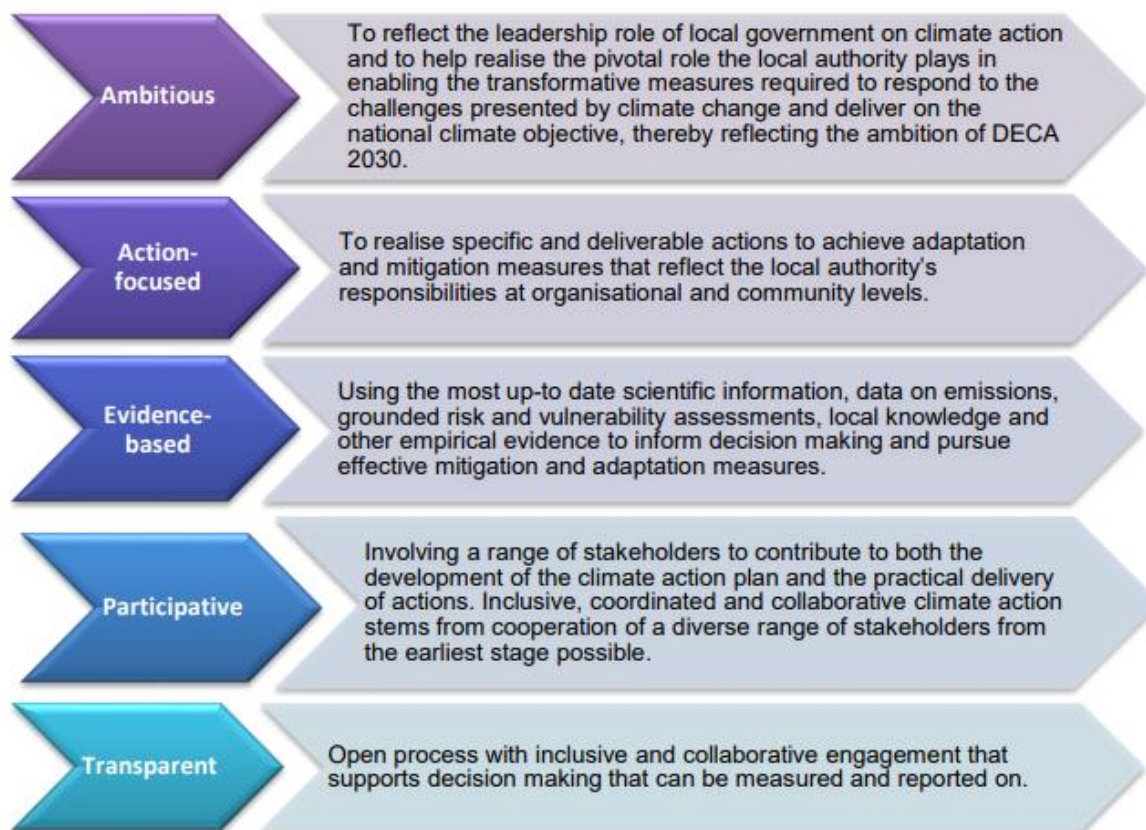
3. **Technical Annex B:** Provides guidance on how to undertake a *Climate Change Risk Assessment* to inform adaptation actions.
4. **Technical Annex C:** Provides guidance on how to develop a county/city-wide baseline emissions inventory through a *Climate Mitigation Assessment* to inform mitigation actions and align with the National Emissions Inventory.
5. **Technical Annex D:** Decarbonising Zones

The plan will also be consistent with The National Climate Action Plan, 2023 (published in December 2022), The National Adaptation Framework And having regard to the Long-Term Climate Action Strategy, the 12 Sectoral Adaptation Plans which come under 7 government departments:

- Agriculture, Forestry and Seafood
- Biodiversity
- Built and Archaeological Heritage
- Transport infrastructure
- Electricity and Gas Networks
- Communications Networks
- Flood Risk Management
- Water Quality and Water Services Infrastructure
- Health



The CAP will be informed by or consistent with relevant legislative requirements and frameworks. It should also be:



6.3 Climate Action Plan – Delivery Stages

SDCC will follow the draft LA CAP guidelines and Technical Annex documents for the process of updating and implementing the local authority Climate Action Plan 2024-2029. The phases of the plan, as illustrated in Figure 6 below, development process are:

- Phase 1 - Advanced planning
 - Mobilise capabilities within LA to support and enable preparation of CAP.
 - Secure relevant support services -Risk assessment/Strategic Environmental Assessment (SEA) and Appropriate Assessment (AA).
 - Project management – Schedule tasks and activities
 - Establish baselines –
 - Countywide and DZ emissions
 - Collate and analyse data
 - Early deliver due to nature of plan making timeframes
 - Evidence based approach to CAP
 - Coordination and co-operation efforts between adjoining LAs

- Phase 2 – Statutory Plan Making
 - Stage 1 - Initiation
 - Build Evidence Base
 - Stakeholder engagement
 - Stage 2 - Draft Plan
 - Stage 3 – Completion
 - Publication
- Phase 3
 - Implementation and reporting

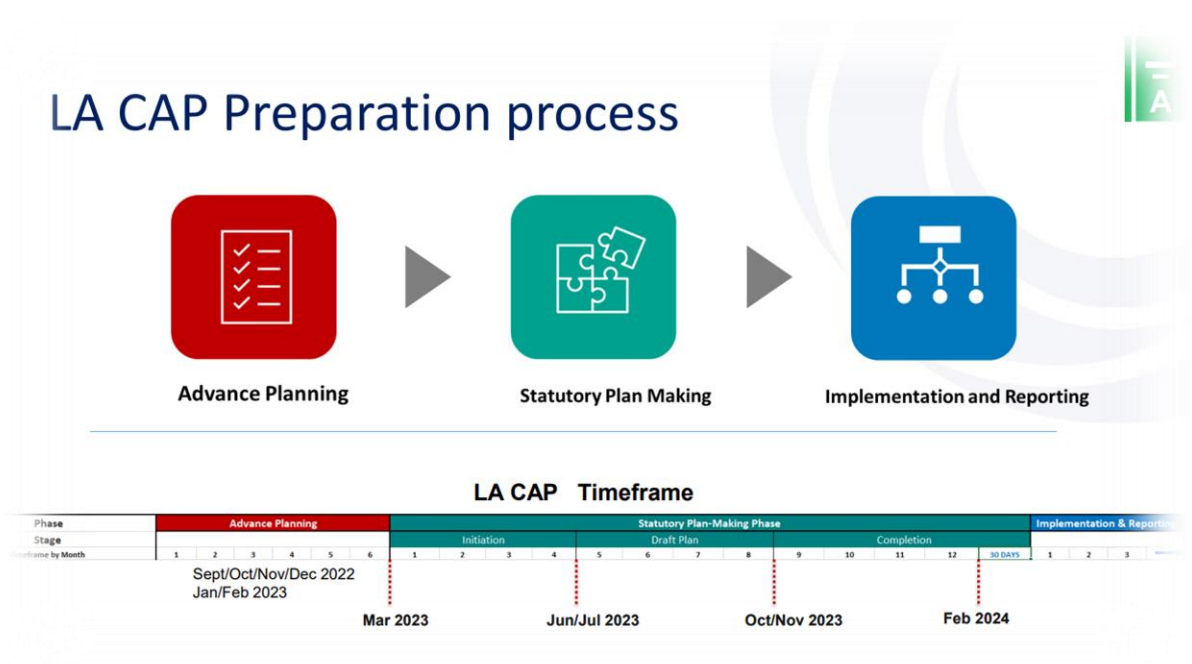


Figure 6.0: Overview of the LA CAP Preparation Process, as set out in the Draft LA CAP Guidelines

6.4 Climate Action Plan 2024-2029 - Key project Stakeholder Engagement

Stakeholder engagement and consultation will be a key part of the development of the plan. SDCC recognises the importance of engagement to ensure that all sections of society are involved in the process around decisions and measures that affect them. Shaping the actions for the plan through robust engagement facilitates compromise and balances the interests of stakeholders and enables priorities to be identified.

Our elected members will be responsible for adopting the Climate Action Plan 2024-2029 and are principal decision makers. SDCC will ensure that the elected members are central to the plan making process from the earliest stage possible.

Stakeholder engagement will include:

- Elected Members

- Adjoining local authorities
- Local Authority Structures
- Strategic Policy Committees (SPC)
- Public Participation Network (PPN)
- Local Community Development Committee (LCDC)
- Other Fora
- Local Authority Staff
- Members of the public
- Other Stakeholders/bodies

SDCC will take account of the stakeholder engagement undertaken at the 'Stage 1 initiation stage' of the plan making process and develop a report on the outcomes of the early stakeholder engagement process and how these outcomes will inform and shape the draft Climate Action Plan 2024-2019.

6.5 Decarbonising Zones

Action 165 of the National Climate Action Plan (2019) requires that each Local Authority identify and develop plans for one 'Decarbonising Zone' to enable Ireland to meet its carbon emissions reduction targets by 2030. SDCC commenced the process in 2021 and submitted a proposal identifying Clondalkin and Tallaght as Decarbonising Zones.

Delivery Approach:

The development of the DZ Plan is set out in the Draft LA CAP Guidelines and will follow that timeframe.

- 4 Dublin LAs approached CoDEMA to develop Decarbonising Zone Implementation Plans
- SDCC Project Commencement – Sept 2022
- Cost proposal accepted
- Project Planning meeting held with CoDEMA
- Ongoing work: develop full evidence base of emissions sources

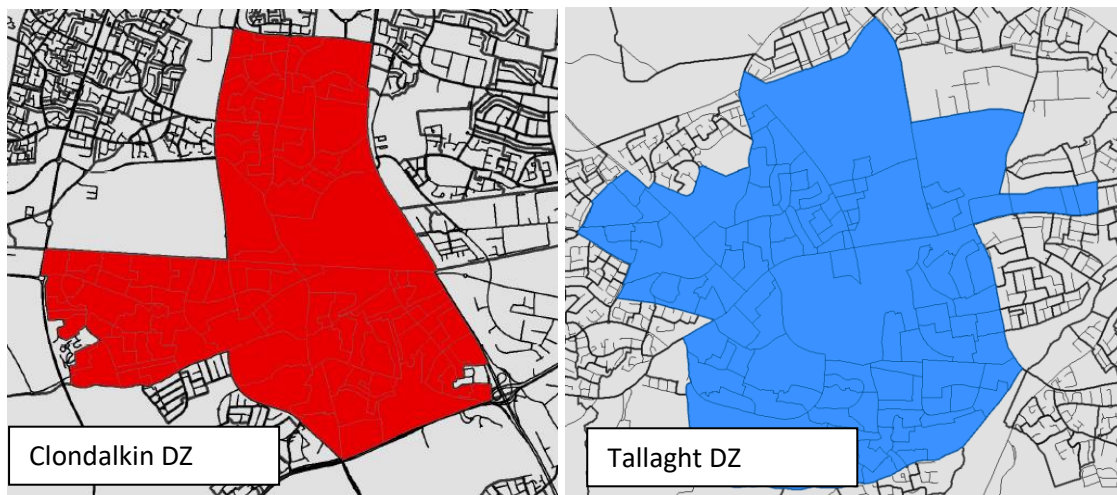
Planned Work

- Establish Baseline Data
- Project potential increases/decreases
- Develop Gap to Target Analysis

- Register of Opportunities
- Prepare Cost Estimates
- Outline funding opportunities and project partners/stakeholders

DZ Implementation:

- Map and analyse energy demand across the Decarbonising Zone, mapping stakeholders, identifying early stage projects to create a Register of Opportunities.
- Define the portfolio and pipeline of decarbonisation projects and develop an appropriate plan for delivery.



7.0 List of Acronyms Used

ABP	An Bord Pleanála
CAP	Climate Action Plan
CARO	Climate Action Regional Office
CASG	Climate Action Steering Group
CAT	Climate Action Team
CCAP	Climate Change Action Plans
CCMA	County and City Management Association
CFRAM	Catchment Flood Risk Assessment and Management
CoDEMA	City of Dublin Energy Management Agency
DECC	Department of Environment, Climate and Communications
DHLGH	Department of Housing, Local Government and Heritage
DLAs	Dublin Local Authorities
DZ	Decarbonising Zone
ECCEP	Environment Climate Change and Emergency Planning committee
ETS	Emissions Trading Scheme
FAS	Flood Alleviation Scheme
GHG	Greenhouse Gases
LAs	Local Authorities
LAPs	Local Area Plans
LGMA	Local Government Management Agency
NAF	National Climate Change Adaptation Framework
NEEAP	National Energy Efficiency Action Plan
NMP	National Mitigation Plan
SDZ	Strategic Development Zone
SEAI	Sustainable Energy Ireland
SECAP	Sustainable Energy and Climate Action Plan
SUP	Single Use Plastics

8.0 APPENDICES

8.1 Appendix I – Steering Group and Action Teams

Climate Action Steering Group	
Teresa Walsh	DoS (EWCC)
Eddie Conroy	County Architect
Mick Mulhern	DoS (LUPT)
Julienne Helbert	Senior Engineer
Suzanne Furlong	Senior Parks Superintendent
John Hegarty	Senior Engineer
Sharon Conroy	Senior Executive Officer
David Grant	Project Resident Engineer
Fionnghuala Ryan	CCEAO
Darby Mullen	Climate Action Officer
Declan Healy	Communications Manager
Hazel Cragie	Senior Planner
Anne O'Gorman	Administrative Officer

Energy and Buildings	
Eddie Conroy	County Architect (Chair)
Julienne Helbert	Senior Engineer
Galen Doran	Facilities Manager
Caitriona Lambert	Senior Executive Engineer
Darby Mullen	Climate Action Officer
Irenie McLoughlin	Conservation Officer
Margaret Horan	Tenant Liaison Officer
Damien McNulty	Senior Executive Engineer
Hazel Craigie	Senior Planner
Stephen Byrne	Executive Engineer
Adam Adderley McCabe	Graduate Engineer
Ian Jackson	Graduate
Fionnghuala Ryan	CCEAO
Anne O'Gorman	Administrative officer
Sonia Lavelle	Senior Staff Officer

Transport	
John Hegarty	Senior Engineer
Juliene Helbert	Senior Engineer
Sheila Kelly	Administrative officer
Ally Menary	Road Safety officer
TBC	Fleet
Fionnghuala Ryan	Climate Change and Environmental Awareness Officer
Mick McAdam	Senior Executive Engineer
Thos McDermott	Sports Partnership
Gary Walsh	Senior Engineer
Hazel Craigie	Senior Planner
Darby Mullen	Climate Action Officer
Stephen Willoughby	Senior Executive Planner
Caitriona Lambert	Senior Executive Engineer
Claire Cummins	Senior Executive Engineer
Simon Palmer	Senior Staff Officer Active Travel
Stephen Byrne	Executive Engineer
Ian Jackson	Graduate
Anne O'Gorman	Administrative officer
Sonia Lavelle	Senior Staff Officer


Flood Resilience	
David Grant (Chair)	Project Resident Engineer (Chair)
Juliene Helbert	Senior Engineer
Brian Harkin	Senior Executive Engineer
Darby Mullen	Climate Action Officer
Gabrielle McGee	Senior Executive Engineer
Richard Fitzpatrick	Executive Environmental Scientific Officer
Hazel Craigie	Senior Planner
Zsolt Szombatfalvi	Executive Engineer
Stephen Byrne	Executive Engineer
Ian Jackson	Graduate
Fionnghuala Ryan	CCEAO
Anne O'Gorman	Administrative officer
Sonia Lavelle	Senior Staff Officer

Nature Based Solutions	
Suzanne Furlong	Senior Parks Superintendent
Leo Magee	Senior Engineer
Juliene Helbert	Senior Engineer
Darby Mullen	Climate Action Officer
Hazel Craigie	Senior Planner
TBC	Senior Executive Parks Superintendent
Tracy McGibbon	Executive Planner
Rosaleen Dwyer	Heritage Officer
Anne Hyland	Senior Executive Planner
Laurence Colleran	Senior Executive Parks Superintendent
Zsolt Szombatfalvi	Executive Engineer
Stephen Byrne	Executive Engineer
Ian Jackson	Graduate
Fionnghuala Ryan	CCEAO
Richard Fitzpatrick	Executive Environmental Scientific Officer
Anne O'Gorman	Administrative officer
Sonia Lavelle	Senior Staff Officer

Resource Management	
Sharon Conroy	Senior Executive Officer
Leo Magee	Senior Engineer
Juliene Helbert	Senior Engineer
Darby Mullen	Climate Action Officer
Fionnghuala Ryan	CCEAO
Thomas Rooney	Local Enterprise Office
Justin Mulhern	Local Enterprise Office
Michael Heffernan	Senior Executive Engineer
Galen Doran	Facilities Manager
Bernard Gaugahan	Assistant head of IT
Stephen Byrne	Executive Engineer
Ian Jackson	Graduate
Anne O'Gorman	Administrative officer
Sonia Lavelle	Senior Staff Officer

Citizen Engagement	
Fionnghuala Ryan (Chair)	CCEAO
Julienne Helbert	Senior Engineer
Darby Mullen	Climate Action Officer
Ian Jackson	Graduate
Selina Bonnie	Disability Liaison / Access Officer
Ally Menary	Road Safety Officer
Declan Healy	Communications Manager
Ian Farrell	Community Officer
Simon Palmer	Senior Staff Officer Active Travel
Rosaleen Dwyer	Heritage Officer
Anne O'Gorman	Administrative officer
Sonia Lavelle	Senior Staff Officer

8.2 Appendix II -Climate Action Innovation Fund Request Sheet

 <p style="margin: 0;">SOUTH DUBLIN COUNTY COUNCIL</p> <p style="margin: 0;">ENVIRONMENT, WATER & CLIMATE CHANGE</p> <p style="margin: 0;">CLIMATE CHANGE ACTION FUND - FUNDING REQUEST</p>	
<u>SECTION</u> : _____	<u>DATE</u> : ____ / ____ / ____
<u>PROPOSAL</u> : _____	
<u>DESCRIPTION OF PROPOSAL</u> :	
<u>SELECT CCAP ACTION AREA</u>	<input style="width: 100%; height: 20px;" type="text"/>
<u>SELECT RELEVANT CCAP ACTION</u>	<div style="border: 1px solid black; height: 80px; width: 100%;"></div>
<u>ESTIMATED COST</u> : €	
<u>CONTACT PERSON</u> :	
<u>EXPECTED DELIVERY DATE</u> :	
<p>I CONFIRM THAT ALL GOODS AND SERVICES OUTLINED IN THE PROPOSAL ABOVE HAVE BEEN PROCURED IN ACCORDANCE WITH CHIEF EXECUTIVE ORDER SDGP/15/18 – PROCEDURES FOR THE PURCHASE OF SUPPLIES, SERVICES & WORKS</p> <p style="text-align: center;">http://intranet/Home/ViewDocument/c57f10df-deb0-4b86-86e7-a91f00f2d385</p>	