



The Climate Action Regional Offices are an initiative of Local Government, funded by the Department of the Environment, Climate and Communications, as a shared service for Local Authorities.

December 2024

Local Authority Climate Action Plans

Water Services Infrastructure Sectoral Report



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1. Introduction

Section 16 of the Climate Action and Low Carbon Development (Amendment) Act 2021 requires each Irish local authority to prepare a Local Authority Climate Action Plan (LACAP) for its administrative area. Each Local Authority went through a plan preparation process during 2023 and adopted their LACAP by the end of Quarter 1, 2024. The [31 Local Authority Climate Action Plans](#) have a five-year statutory remit. The LACAPs aim to deliver global and national climate targets and implement national climate policy at community level through local authority regulatory and strategic functions and relationships.

Additionally, action 165 of the Government’s Climate Action Plan 2019, requires Local Authorities to identify and develop plans for a Decarbonising Zone (DZ) where a DZ is defined as a "spatial area identified by the local authority, in which a range of climate mitigation, adaptation and biodiversity measures and action owners are identified to address local low carbon energy, greenhouse gas emissions and climate needs to contribute to national climate action targets". Subsequently, Action 80 of the Climate Action Plan 2021 required that DZ plans be integrated with the LACAP.

The Climate Action Regional Offices (CAROs), which coordinate the Local Authority response to climate change, have carried out an [analysis of the 31 Local Authority Climate Action Plans](#) that were adopted by Irish Local authorities in 2024. The analysis is useful in terms of providing an understanding of the scope and reach of the LACAPs as well as the focus of the local government sector’s climate action efforts for the next five years.

One element of the analysis identified the sectors that are relevant to each of the actions that have been adopted in the 31 LACAPs with most actions being relevant to more than one sector. For the purpose of the analysis, a sector is considered to be a distinct part of society or the economy with examples including health, transport, education, and others. Figure 1 shows the distribution of sectors across all LACAP actions. Given that the LACAPs are plans of local government, it is not surprising that the local government sector is listed as being relevant to almost all actions.

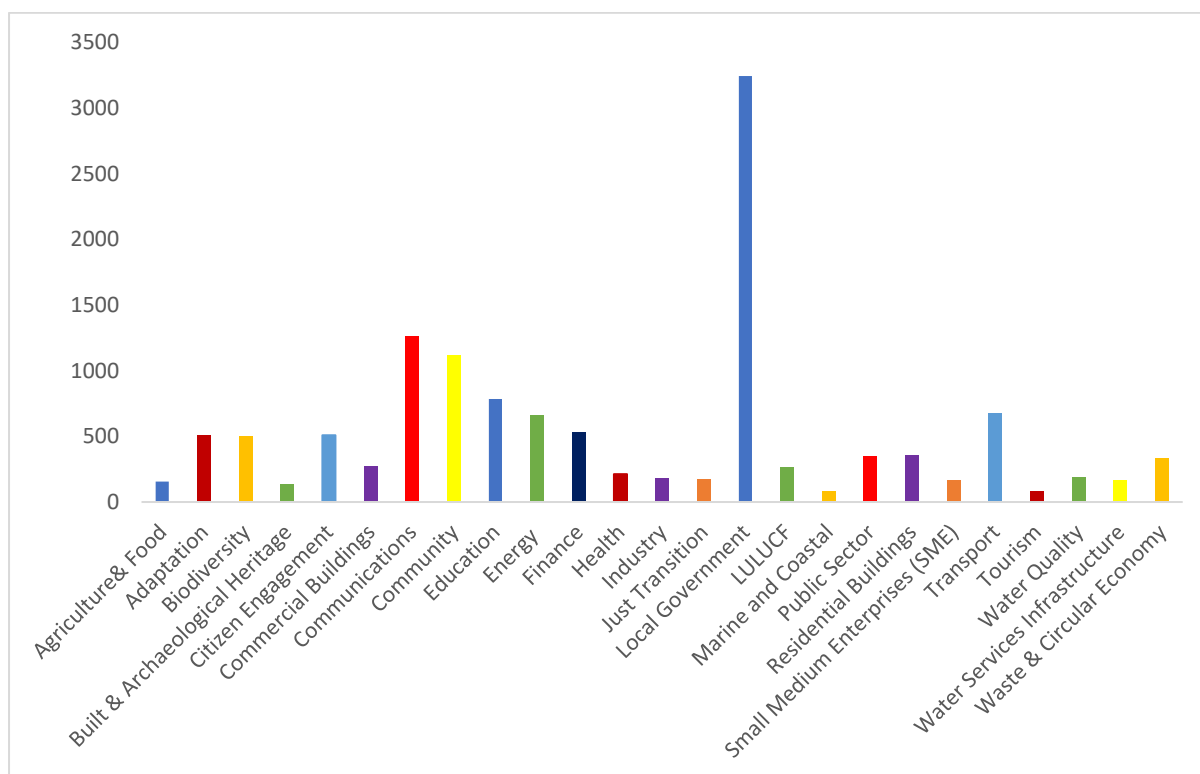


Figure 1: Breakdown of LACAP actions according to sector

Following on from the publication of the analysis of the 31 Local Authority Climate Action Plans, the CAROs have produced summary reports for each of the sectors that have been identified as being relevant to the delivery of LACAP and DZ actions. The aim of these [sectoral reports](#) is to steer sectors towards the local authorities and actions that are most relevant to them, to facilitate more informed sectoral engagement and to assist sectors in the preparation of their own plans.

This sectoral report has been prepared for the **Water Services Infrastructure** sector.

Please note that this is a high-level assessment performed by the CAROs to inform the Water Services Infrastructure sector. If further information is required on any aspect of the report, please contact CARO@CorkCoCo.ie.

2. LACAP analysis

The methodology deployed for the LACAP analysis centred around the development of a database. A CARO project group was established to build and contribute to the database. The database was populated by the individual actions that were adopted by all 31 local authorities.

The CARO team assessed and categorised each individual action under pre-determined high-level classifications including thematic focus area, related sector, action type i.e. mitigation or adaptation, organisation or community focus, stakeholders identified, etc.

Actions were further categorised using a three-tier process. Each action was initially classified as one of 11 Tier 1 categories and then further classified by Tier 2 and Tier 3 sub-category (over 300 Tier 2 and Tier 3 sub-categories). The Tier 1 categories under which actions were initially classified were:

1. Local Authority Organisation
2. Local Authority Owned or Managed Buildings –including administrative buildings, social housing and other community buildings (e.g. libraries, swimming pools, etc)
3. Local Authority Owned or Managed Infrastructure –including assets such as roads, public lighting, land, parks, heritage assets, communication networks, EV charging infrastructure, draining systems, etc.
4. Local Authority Finance or Budgets
5. Planning
6. Community
7. Active and Sustainable Travel
8. Climate Impact Management
9. Waste and Circular Economy
10. Natural Assets and LULUCF
11. Tourism

The working group developed and worked to set criteria to ensure consistency in approach to action categorisation. Regular review meetings were held to maintain high levels of consistency in the data.

3. LACAP overview

The Local Authority Climate Action Plans (LACAPs) reinforce the commitment by the local government sector to lead on climate action at local and national levels. Each LACAP outlines the actions that the individual local authority will be taking to meet its responsibility regarding reduction of greenhouse gas emissions across its own assets and infrastructure as well as the actions that the local authority will take to influence, enable, and facilitate others to meet their own targets.

The Decarbonising Zone section of the Local Authority Climate Action Plans identifies the climate mitigation, adaptation and biodiversity actions to be taken by the Local Authority in the selected Decarbonising Zone (DZ) to test, pilot and demonstrate decarbonising at a local and community level.

High level analysis of the LACAPs including Decarbonising Zone reveals the following:

- In total, **3,935** actions have been adopted across all 31 LACAPs.
- **3282** of these actions relate to the whole local authority administrative area and are referred to as LACAP actions.
- **653** of these actions relate specifically to Decarbonizing Zones (DZs) that have been identified by the local authority and are referred to as DZ actions.
- There is a wide variation in numbers of actions across the 31 LACAPs reflecting a difference in approach to defining actions rather than a difference in level of ambition between local authorities.
- There is also a wide variation in numbers of DZ actions across the 31 LACAPs.
- 8 local authorities did not identify individual actions for their DZ. It should be noted that the approach that most of these local authorities have taken is to develop and adopt a Register of Opportunities which is a portfolio of projects, technologies and interventions from which individual actions will be identified during the implementation stage.

4. Water Services Infrastructure Sector Actions:

This report has been prepared for the **Water Services Infrastructure** sector. An analysis of all 3282 actions in 31 LACAPs has concluded that:

- **166** of all 3282 actions relate to the Water Services Infrastructure sector.
- these are contained in **29** of the 31 LACAPs.

Furthermore, an analysis of all 653 DZ actions has concluded that:

- **29** of the total DZ actions relate to the Water Services Infrastructure sector.
- These are contained in **13** of the DZ plans (taking note that 8 local authorities did not list individual actions for their DZs).

Figure 2 shows the distribution of Water Services Infrastructure Actions across all local authority Climate Action Plans (LACAP) and Decarbonising Zones (DZ).

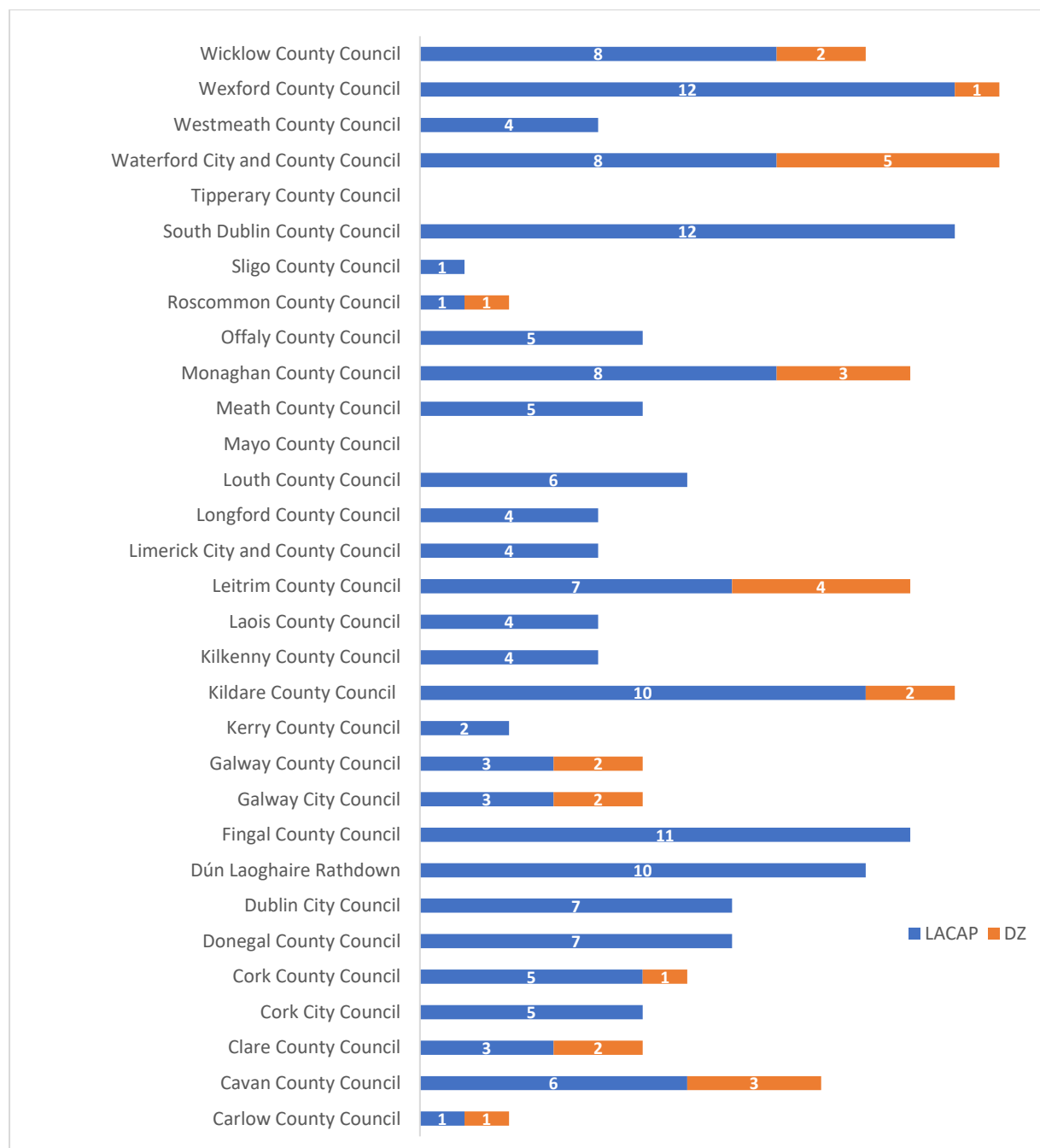


Figure 2: Breakdown of Water Services Infrastructure sector LACAP and DZ actions according to Local Authority

4.1. Adaptation/Mitigation

All LACAPs identify adaptation and mitigation actions that will be implemented by the relevant local authority to reach its climate targets. Mitigation actions include those that reduce the causes of climate change and those that serve to maintain and enhance carbon sinks while adaptation actions include those that increase resilience to current climate and weather conditions and those that involve planning for future climate impacts. Combined actions are those that address climate mitigation and adaptation. Figure 3 shows the breakdown of LACAP actions relating to the Water Services Infrastructure sector according to whether they are identified as mitigation or adaptation or combined. 45% of the total number of Water Services Infrastructure sector actions across all LACAPs address both mitigation and adaptation while 39% are specifically mitigation actions and 16% specifically relate to adaptation.

Figure 4 shows the breakdown of DZ actions relating to the Water Services Infrastructure sector according to whether they are identified as mitigation or adaptation or combined. 27% of the total number of Water Services Infrastructure sector actions across all DZs address both mitigation and adaptation while 7% are specifically mitigation actions and 66% specifically relate to adaptation.

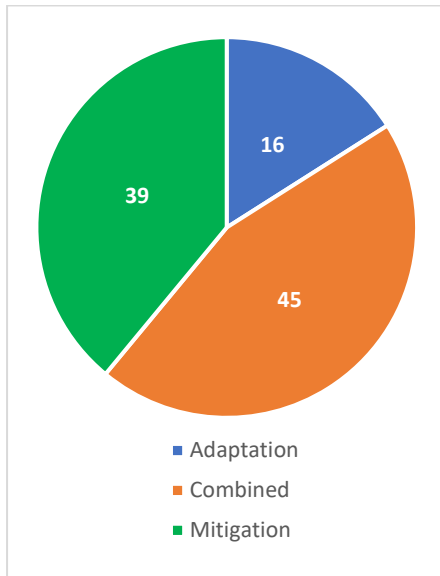


Figure 3: Percentage Adaptation/Mitigation breakdown of LACAP actions relating to the Water Services Infrastructure sector

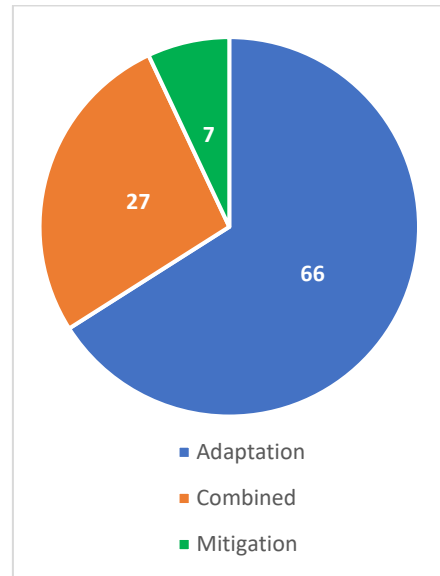


Figure 4: Percentage Adaptation/Mitigation breakdown of DZ actions relating to the Water Services Infrastructure sector

4.2. Classification of Actions

Each action underwent a three-tier classification process, with 11 possible categories in Tier one, being further broken down into Tier 2 and Tier 3 categories.

Figure 5 shows the breakdown of all LACAP and DZ Water Services Infrastructure sector actions according to Tier 1 Category with actions classified into 9 of the possible 11 categories.

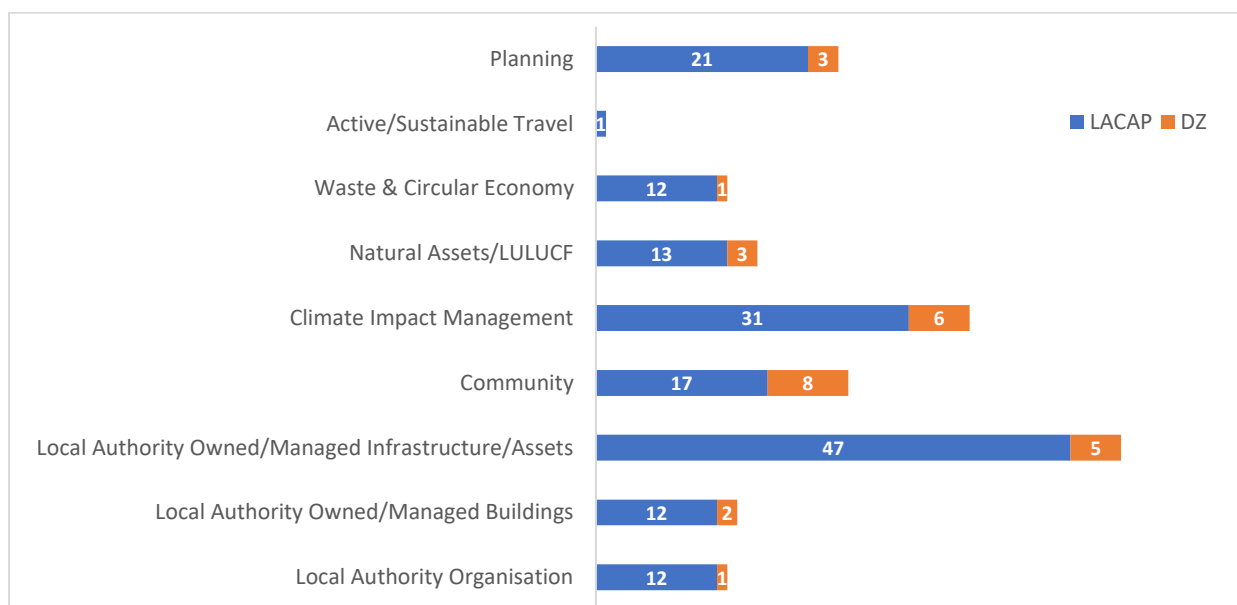


Figure 5: Tier 1 classification of LACAP and DZ Water Services Infrastructure sector actions

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It is apparent that most Water Services Infrastructure sector actions are associated with the broad themes of local authority owned and/or managed infrastructure and assets, climate impact management and planning with smaller numbers of actions classified as being associated with the themes of community, natural assets/LULUCF, waste and the circular economy, local authority owned and/or managed buildings and local authority organisation. The types of actions that are listed under each of these categories are as follows:

Local Authority owned and/or managed infrastructure and assets:

- Develop and implement policy for planning, installation and maintenance of sustainable urban development systems (SuDS) and nature-based solutions in developments including housing, road and transportation projects to manage surface water and protect water quality.
- Promote SuDS and nature-based solutions through knowledge building (case studies, demonstration sites, workshops)
- Support initiatives to audit private group water schemes to review energy use, leak management and long-term sustainability and to implement remedial measures.
- Upgrading of road network draining systems.
- Mapping and development and implementation of maintenance plans for surface water system.
- Rainwater harvesting projects.
- Resolve flooding issues.
- Identify infrastructure at risk.
- River channel maintenance.
- Public drink water fountain installation.

Climate impact management:

- Implement flood relief schemes as identified in the Catchment Flood Risk Assessment and Management (CFRAM) Programme.
- Improve general maintenance of stormwater and surface water network.
- Resolve local flooding issues.
- Identify new or reinforce existing flood defences.
- Protect critical infrastructure.
- Planned river channel maintenance.

Planning:

- Ensure inclusion of water efficiency and conservation measures in new local authority buildings.
- Rainwater management planning for towns.
- Planning applications to be required to implement flood risk management guidelines.
- Planning process to assess impact of new developments on water supply and quality.
- Ensure inclusion of nature-based surface water draining solutions in new developments.
- Provision of public wastewater treatment plants in towns and villages to facilitate compact and sustainable growth.

Community:

- Training of plumbers and building contractors in water efficiency.

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- Public awareness campaigns to encourage community involvement in retrofit of SuDS in existing developments, maintaining community rain gardens, rainwater harvesting, etc.
- Promote water conservation in the community, in schools and in businesses.
- Work with Group Water Schemes to promote upgrades to achieve efficiency and reduce leakages.
- Facilitate installation of drinking water fountains in public places.

Natural assets, Land Use, Land-use Change, Forestry (LULUCF):

- Identify vulnerable drinking water sources.
- Maintenance of lakes and wetlands to increase storage capacity.
- Protect water quality through enforcement of environmental regulations and discharge licences.
- Work with stakeholders including LAWPRO, Rural Water Programme, Uisce Eireann, etc.
- Integrate nature-based solutions and SuDS on all projects.

Waste and the Circular Economy:

- Delivery of drinking water stations.
- Complete inspections of domestic wastewater treatment systems.
- Work with Uisce Eireann to explore possibility of using wastewater sludges in anaerobic digestion plants.

Local Authority owned and/or managed buildings:

- Monitor water usage and improve water efficiency in Council buildings
- Installation of water conservation measures within local authority buildings (e.g. rainwater harvesting, grey water systems, flow regulators, etc.)
- Implement Environmental Management Systems in council buildings.

Local Authority Organisation:

- Convene Flooding Working Group.
- Increased expenditure on river channel maintenance, gully maintenance.
- Develop and implement maintenance and cleaning plans for surface water infrastructure.
- Green public procurement.
- Identify areas at risk.

All 166 LACAP and 29 DZ actions that have been identified as being relevant to the Water Services Infrastructure sector are listed in Tables 1 and 2.

Table 1: LACAP actions that relate to the Water Services Infrastructure sector

Local Authority	Action no	Action
Carlow County Council	B 1.12	Prepare Carlow County Council guidelines for nature based sustainable drainage solutions, ensuring the guidelines have appropriate regard to environmental protection requirements, including requirements to protect European sites.
Cavan County Council	BE 13	Ensure water efficiency and conservation measures are implemented in new LA buildings and housing, by including water saving technologies in public housing and buildings, training plumbers and building contractors in water efficiency measures, and including water efficiency measure in Green Procurement. During any works, there will be due regard for environmental sensitivities such as local human receptors, European sites and biodiversity; and the need to appropriately protect and conserve protected structures.
Cavan County Council	BE 21	Develop a formal routine gulley maintenance and cleaning plan to ensure that programs are in place in all towns and villages prone to flooding and that all gulley's are cleaned in advance of the Autumn and winter seasons.
Cavan County Council	N 9	Development and Implementation of a SUDS policy and continue the prioritisation of SUDS measures in local authority projects ensuring the plan takes nature-based solutions/ protection of biodiversity and avoidance of habitat fragmentation into consideration.
Cavan County Council	N 11	Cavan County Council will seek to prioritise the delivery of Catchment Flood Risk Assessment and Management (CFRAM) Programme identified flood schemes in the county and promote nature-based solutions and integral to these schemes having due regard to the need to promote nature based solutions and Sustainable Drainage Systems, and environmental sensitivities at these locations, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value.
Cavan County Council	C 1	Implement an awareness campaign to educate the public on climate change mitigation and adaptation measures including the circular economy, promoting biodiversity, food production in community gardens, water conservation and carbon reduction initiatives. Promote various funding streams and grants to assist homes, communities and businesses to implement positive climate actions. Having due regard to environmental sensitivities such as protected species, European sites and biodiversity.
Cavan County Council	S 4	Run a pilot scheme to implement water fountains or water refilling stations in the parks within the DZ and measure usage, having due regard to environmental sensitivities that may be affected by any built development such as the receiving water environment and local air quality.
Clare County Council	BE 3.5	Implement the recommendations of the Catchment Flood Risk Assessment and Management Study (CFRAMS) programme as it relates to County Clare and to ensure that flood risk management policies and infrastructure are progressively implemented, Having due regard to the need to promote nature-based solutions and Sustainable Drainage Systems, and environmental sensitivities at these locations, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value.

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Clare County Council	BE 3.6	Municipal Districts to identify areas of concern within the Arterial Drainage network and Surface Water network that result in flooding of roads and public assets with a view to creating a programme for maintenance of specific areas.
Clare County Council	N 3.6	Support the development of smart water stations across the county to reduce plastic bottle waste
Cork City Council	3.17	Implement the South Docklands Drainage and Flood Protection Strategy, having due regard to opportunities to promote nature-based solutions and Sustainable Drainage Systems, and environmental sensitivities, including water quality, biodiversity, European sites, aquatic ecology, visual amenity and recreation and amenity value.
Cork City Council	3.25	Implement the Morrison's Island Public Realm Scheme, having due regard to the need to promote nature-based solutions and Sustainable Drainage Systems, and environmental sensitivities, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value.
Cork City Council	3.26	Facilitate the OPW's Lower Lee Flood Relief Scheme (LLFRS) as appropriate, having due regard to the need to promote nature-based solutions and Sustainable Drainage Systems, and environmental sensitivities, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value.
Cork City Council	3.27	Facilitate flood relief works in Glanmire, having due regard to the need to promote nature-based solutions and Sustainable Drainage Systems, and environmental sensitivities, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value.
Cork City Council	5.1	Incorporate sustainable urban development systems (SuDS), such as water-sensitive urban design (WSUD), in every new development in the city, as per Objective 9.4 of the Cork City Development Plan (2022-2028). Support delivery of this action through establishment of a cross-departmental SuDS working group to advise on implementation. Promote the adoption of nature-based solutions/ protection of biodiversity and avoidance of habitat fragmentation during SuDS projects.
Cork County Council	4.4.1.2.9	Support and work with LAWPRO to encourage a community response to encourage water conservation and greater water use efficiency in the community, in association with local community groups.
Cork County Council	4.5.2.1.8	Meet annual targets for domestic waste-water treatment systems inspections per EPA National Inspection Plan.
Cork County Council	4.8.5.2.1	Develop & implement SUDS & nature-based approaches to manage surface water and protect rivers from pollutants in road water run-off and slow the addition of water volume to mitigate flooding for development projects. Ensure due regard is given environmental sensitivities, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, during any supported development projects.
Cork County Council	4.8.5.2.2	Undertake rainwater management planning for all main towns. Assist Planning Policy Unit to develop a rainwater management plan for Urban settlements, having due regard to the need to promote nature-based solutions and Sustainable Drainage Systems, and environmental sensitivities, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology.
Cork County Council	4.8.5.2.3	Support the roll out of Flood Relief Schemes in the County, including those in partnership with the OPW, as identified through the Catchment Flood Risk Assessment and Management (CFRAMS) Programme and in the County Strategic Flood Risk Assessment, having due regard to the need to promote nature-based solutions and Sustainable Drainage Systems, and

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		environmental sensitivities at these locations, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology.
Donegal County Council	GL 4.1	Promote the National Framework Group Water Scheme (GWS) Policy on Climate Action
Donegal County Council	BE 7.4	Support national and regional initiatives to review storm water infrastructure to improve sustainable drainage and reduce the risk of flooding in the urban environment.
Donegal County Council	NE 2.4	Support the integration of improved water protection design solutions within the TEN-T Public Road Improvement Project, incorporating new road drainage treatment prior to discharge to receiving watercourses.
Donegal County Council	CR 1.7	Support national and regional initiatives to compile an Audit of Private Group Water Schemes to review energy use, leak management and long-term Sustainability.
Donegal County Council	SR 1.1	Support National and Regional agencies to deliver energy efficiency refurbishment of pump stations within Taking in Charge Programme for Group Water Schemes (GWS).
Donegal County Council	SR 1.2	Support National and Regional agencies to deliver Water Conservation on Group Water Schemes (GWS) under the Taking in Charge (TIC) Programme for GWS.
Donegal County Council	SR 1.3	Integrate Green Public Procurement within multi-annual frameworks for rural water programme (MARWP) & Environmental Infrastructure Projects.
Dublin City Council	B 5	Implement Sustainable urban Drainage Guidelines in Council buildings where feasible.
Dublin City Council	B 6	Implement infrastructure to improve and reduce water use in DCC buildings.
Dublin City Council	OS 9	Implement flood risk management guidelines.
Dublin City Council	OS 10	Monitor implementation of flood risk management guidelines in planning applications, having due regard for environmental sensitivities such as European sites, Biodiversity, Archaeology and amenity value etc.
Dublin City Council	OS 12	Update DLA urban drainage and flooding policies promoting natural flood measures as a priority to inform new development plan.
Dublin City Council	EP 21	Develop and implement an education programme to tackle climate issues related to the water sector.
Dublin City Council	EP 32	Promote and encourage community involvement in the retrofit of SuDS in existing developments; having due regard to environmental sensitivities such as Archaeology, European sites, biodiversity and amenity value etc.
Dún Laoghaire Rathdown	T 21	Identify opportunities and upgrade existing road network drainage systems
Dún Laoghaire Rathdown	F 7	Identify and progress minor works schemes to resolve recurring flood issues, where possible, ensuring the schemes are designed and implemented to include Sustainable Urban Drainage Systems (SuDS) / nature- based solutions/ protection of biodiversity and avoidance of habitat fragmentation

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Dún Laoghaire Rathdown	F 14	Improve the maintenance plan for the stormwater and surface water network, with the link to flood event forecasting and incorporate data of known locations with problems
Dún Laoghaire Rathdown	F 15	Review gully maintenance plan and operations for improvements, considering areas with recurring issues and smart technology opportunities
Dún Laoghaire Rathdown	N 17	Development of on-street Sustainable Urban Drainage Systems (SuDS) within the County with an emphasis on nature-based solutions/SuDS where possible following best practice design and governmental guidance
Dún Laoghaire Rathdown	N 23	Run Workshops on Nature Based Solutions, Green Infrastructure and Sustainable Urban Drainage Systems (SuDS)
Dún Laoghaire Rathdown	R 14	Monitor water usage in head office buildings annually
Dún Laoghaire Rathdown	R 15	Roll out successful rainwater harvesting project, as implemented in Loughlinstown, to dlr owned buildings where the design is adaptable
Dún Laoghaire Rathdown	C 8	Promote and encourage community involvement in the retrofit of SuDS or development of natural flood management measures and blue/green infrastructure in existing housing / developments/local areas
Dún Laoghaire Rathdown	C 23	Facilitate Uisce Éireann's delivery of water demand/ conservation campaigns for schools, households and businesses
Fingal County Council	F 7	Progress appropriate minor works schemes to resolve recurring flood issues, where possible, ensuring the schemes are designed and implemented to promote SUDs / nature-based solutions.
Fingal County Council	F 12	Record on a GIS layer the council surface water system and make it available to all relevant staff from Operations & Planning. This must include all SuDS systems and flood embankments
Fingal County Council	F 13	Prepare a maintenance register for the entire surface water system within the county, including SuDS, pipes and culverts to aid proactive maintenance, alleviate flooding and maintain water quality
Fingal County Council	F 14	Develop an improved maintenance plan for SuDS assets that are taken in charge by FCC, ensuring their continued operation.
Fingal County Council	F 15	Promote and encourage community involvement in the retrofit of SuDS in existing developments, maintaining community rain gardens, discourage hard paving in gardens and retrofit raingardens / water butt installations
Fingal County Council	F 17	Ensure the inclusion of water conservation and SuDS measures in all developments, to reduce the level of surface water run-off, improve water quality and contribute to adaptation to climate change through natural based solutions.
Fingal County Council	F 18	Drive the implementation of SuDS in FCC Capital projects, including new builds, retrofits etc, and monitor the level of implementation.
Fingal County Council	F 19	Create a case study of SuDS at Local Area Plan level
Fingal County Council	R 4	Implement Environmental Management System for Council buildings including reduction in waste and water usage, and increased recycling

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Fingal County Council	R 7	Establish a network of public drinking water fountains to help reduce plastic waste in partnership with Uisce Éireann
Fingal County Council	C 8	Provide resources including funding to schools in Fingal as support to engage in resource management projects. Projects may include composting for schools, gardening and vegetable growing projects, resources packs and installation of water butts.
Galway City Council	23	Support the upgrade of stormwater pipe capacity in collaboration with Uisce Éireann, arising from the completion of the Greater Galway Strategic Drainage Study (GGSDS) and support implementation of the Galway Drainage Area Plan (DAP).
Galway City Council	30	Development and implementation of infrastructure and technology across the city to reduce water wastage, such as water fountains in collaboration with Uisce Éireann where necessary. Develop feasibility studies for rainwater harvesting pilots across Galway City Council owned buildings, as possible solutions to implementing water conservation actions.
Galway City Council	42	Explore the potential for integrating Nature Based Solutions (NBS) on all internal and GCC permitted projects, with the aim of enhancing climate resilience and fostering biodiversity net gain. Further to include sustainable urban drainage systems, with appropriate regard to environmental protection requirements, including designated European sites. Increase in leaf cover in Galway City area, considering trees and vertical shading solutions.
Galway County Council	EB 3.1	The provision of public Wastewater Treatment Plants in towns and villages that are not currently served is vital to facilitate compact and sustainable growth. Support Uisce Éireann and the national government to prioritise locations and seek funding for provision of these services.
Galway County Council	AD 1.6	Promote and encourage community involvement in the retrofit of SuDS in existing developments, maintaining community rain gardens, discourage hard paving in gardens and retrofit raingardens / water butt installations.
Galway County Council	AD 1.8	Support private group water schemes to identify drinking water sources vulnerable to climate change and to develop source protection or alternative sources in order to maintain water quantity and quality levels
Kerry County Council	3.2.3	Include technologies to improve water efficiency within LA buildings.
Kerry County Council	3.2.4	Increase water fountains in the community to promote refill over single use plastics
Kildare County Council	B10	The planning application process shall assess the impact of new development in areas determined to have a water supply and quality constraint (i.e., from climate related drought, extreme rainfall events). In such areas the suitability of new development shall be assessed along with recommendations for mitigation of impacts on at risk development sites.
Kildare County Council	B14	Ensure all developments including car parks are designed in such a manner as to support EV charging, promote carbon sequestration, green infrastructure, and nature-based surface water drainage solutions. Work with relevant bodies to identify optimum locations and provide suitable EV charging points for Public Transport Vehicles in town centres and key points on inter rural bus routes. Advocate and exert influence and control, as appropriate, to ensure such development promotes climate action co-benefits and does not contravene relevant environmental protection criteria or cause significant negative environmental effects

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Kildare County Council	N13	Develop and implement a Nature-Based Solutions (NBS) and incorporate Surface Water Management Plans for both Council and private sector projects, and to prioritise sustainable drainage systems over conventional systems in line with national guidance parameters
Kildare County Council	N14	Carry out a review of Section 4 Discharge to Water Licences to determine if they are fit for purpose to meet projected climate change related risks such as hydrological changes and water temperature increases
Kildare County Council	R8	Ensure the continued incorporation of Flood Risk Management and Climate Change Sectoral Adaptation Plans into the spatial planning of the County to meet the requirements of the EU Floods Directive and the EU Water Framework Directive and to promote a climate resilient County, having due regard to the need to promote nature based solutions and Sustainable Drainage Systems, and environmental sensitivities at these locations, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value.
Kildare County Council	R9	Implement all Area Specific Recommendations presented in the Strategic Flood Risk Assessment for the Kildare County Development Plan 2023-2029, having due regard to the need to promote nature-based solutions and Sustainable Drainage Systems, and environmental sensitivities at these locations, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value.
Kildare County Council	R10	Require all new development within the County to comply with the requirements of Sustainable Urban Drainage Systems as a minimum and to promote the development of nature-based solutions such as blue/green roofs, ponds, wetlands, shallow vegetated channels (swales) and include provision for rainwater harvesting.
Kildare County Council	R11	Showcase good examples of Sustainable Urban Drainage Systems which maximise amenity and biodiversity through the use of nature-based systems such as swales or rain gardens as part of the Councils developments
Kildare County Council	R12	Resolve local flooding issues utilising OPW and Department of Transport funding (Drainage programme, Climate Adaptation and Resilience Works, OPW Minor Works Scheme) incorporating Sustainable Urban Drainage Systems, having due regard to the need to promote Sustainable Drainage Systems, and environmental sensitivities at these locations, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value. All new drainage works to be in line with best practice principles informed by SUDs Interim Guidance Document and Water Sensitive Urban Design (WSUD)
Kildare County Council	S12	Engage with Uisce Eireann to determine the feasibility of using wastewater sludges in Anaerobic Digestion plants for recovery of biomethane within the County
Kilkenny County Council	1.9	Deliver Flood Relief Schemes under the Catchment and Flood Risk Assessment Management (CFRAM) Programme, and Minor Flood Mitigation Works, incorporating nature-based solutions, where possible, whilst having appropriate regard to environmental protection requirements associated with flood resilience development.
Kilkenny County Council	1.12	Review and update flood baseline data to inform Flood Relief Project Design.
Kilkenny County Council	2.17	Identify and implement actions to improve drainage on the Regional and local road network, and identify infrastructure at risk from climate events, having due regard to the need to promote nature-based solutions and Sustainable Drainage Systems, and environmental sensitivities, including water quality, biodiversity and European sites.

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Kilkenny County Council	5.13	Provide, facilitate and promote public drinking water fountains in public spaces
Laois County Council	35	In response to the predicted frequency of higher intensity rainfalls, Laois County Council aims to propose a real term increase of 1% per annum above inflation over the life of this plan for gully maintenance and general piped drainage maintenance.
Laois County Council	37	In response to the predicted frequency of higher intensity rainfalls, Laois County Council will propose, in its annual budgets, a real term increase of 1% per annum above inflation over the life of this plan for river drainage maintenance works. During the execution of these works, the Council will continue to have due regard to environmental sensitivities at these locations, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology.
Laois County Council	39	In response to the predicted frequency of higher intensity rainfalls, Laois County Council will prepare a three-year forward plan for river maintenance of river channels (together with associated bridges) under its jurisdiction every two years. This comprehensive maintenance plan will be subject to statutory procedures (including Appropriate Assessment (AA) and Strategic Environmental Assessment (SEA) procedures, if and as required) recognizing the sensitivity of the sites involved. The design process, the Plan, together with any statutory procedures will have due regard to environmental sensitivities such as the receiving water environment, biodiversity, European sites, protected species, local air quality, and cultural heritage.
Laois County Council	67	Over the lifetime of this plan Laois County Council will map and record all major road drainage spine networks to establish accurate data on the existing drainage infrastructure.
Leitrim County Council	B 12	Ensure water efficiency and conservation measures are implemented in new LA buildings and housing, by including water saving technologies in public housing and buildings, training plumbers, and building contractors in water efficiency measures and including water efficiency measures in Green Procurement.
Leitrim County Council	B 16	Resolve local flooding issues utilising OPW and Department of Transport funding (Drainage Programme, Climate Adaptation and Resilience Works, OPW Minor Works Scheme e.g. Dromahaire, Glenfarne, Ballingleragh, Jamestown).
Leitrim County Council	B 17	Leitrim County Council will seek to prioritise the delivery of Catchment Flood Risk Assessment and Management (CFRAM) Programme identified flood schemes in the county and promote nature-based solutions and integral to these schemes Prioritise CFRAMS identified flood schemes in Leitrim, priorities: 1. CoS planning, CoS construction 2. LV Planning, LV construction 3. Mohill -feasibility study, works dependent on outcome 4. Dromod -feasibility study, start dependent on Cos & LV 5. Dromahaire FRS planning; in accordance with technical, financial and environmental requirements
Leitrim County Council	B 20	Continue the prioritisation of SuDS measures in road and transportation projects.
Leitrim County Council	B 23	Develop a formal routine gully maintenance and cleaning plan to ensure that programmes are in place in all towns and villages prone to flooding and that all gully's are cleaned in advance of the Autumn and Winter seasons. Pursue funding for same. Ensure the plan takes nature-based solutions and protection of biodiversity into consideration.

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Leitrim County Council	SR 4	Run a pilot scheme to implement water fountains or water refilling stations in the parks within the DZ and measure usage.
Leitrim County Council	SR 10	Complete inspections on Domestic Wastewater treatment systems to increase water quality status, through consultation with the EPA.
Limerick City & County Council	T 9	Implement an Annual Gulley Cleaning Scheme (AGCS) ensuring the plan takes nature-based solutions and protection of biodiversity into consideration.
Limerick City & County Council	B 3	Implement the Catchment Flood Risk Management (CFRAM) programme across Limerick following the OPW Plans (2016) for Athea, Adare, Askeaton, Croom, Foynes, Newcastlewest, Rathkeale, Castleconnell and Limerick City and Environs. Ensure due regard is given to promoting Sustainable Drainage Systems, nature-based solutions, and environmental sensitivities, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology.
Limerick City & County Council	E 3	Include technologies to improve water efficiency within LA buildings (such as rainwater harvesting, grey water systems, flow regulators, water efficient toilets and showerheads).
Limerick City & County Council	E 6	Promote efficient water use by businesses and the wider community and create a business case for rainwater capture.
Longford County Council	18	Longford County Council will improve urban drainage maintenance to prevent flooding and where applicable, nature-based solutions will be used.
Longford County Council	19	Longford County Council will develop a programme for the protection of critical infrastructure.
Longford County Council	32	Longford County Council will continue planned river channel maintenance and flood alleviation measures.
Longford County Council	50	Longford County Council will stipulate sustainable urban storm water drainage systems (SUDS) for new developments.
Louth County Council	BEI 15	Develop a surface water drainage plan for Louth for agglomerations greater than 500PE
Louth County Council	NEGI 6	Develop and implement a Nature-Based Solutions (NBS) and integrated rainwater management protocol for both Council and private sector projects. A protocol for NBS will address the following: i. Part 8 and Section 177AE applications for active travel, roads, public realm projects, public housing, footpath upgrades, public and council carparks, greenway/Blueway planning etc. with targets for all. ii. 'Taking in Charge' – put in a plan and resource taking in charge schemes. iii. Plan and resource maintenance iv. Build in education and awareness for public and elected members. v. Application of water sensitive urban design concepts vi. Inland Fisheries Ireland guidance for watercourses to be considered as part of relevant council policy vii. Environmental protection requirements relating to projects involving the development of NBS.

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Louth County Council	NEGI 11	Progress Flood defence schemes Dundalk-Ardee Flood relief and Drogheda & Baltray flood relief scheme whilst having appropriate regard to environmental protection requirements associated with flood resilience development.
Louth County Council	NEGI 14	Ensure Sustainable Urban Drainage (SUDs) principles are implemented in Louth County Council works and conditioned, as appropriate, in grants of planning permission. Having due regard to promoting nature-based solutions, protection of biodiversity and avoidance of habitat fragmentation.
Louth County Council	CRT 4	Strengthen the incorporation of Flood Risk Management and Climate Change Sectoral Adaptation Plans into the spatial planning for County Louth to meet the requirements of the EU Floods Directive and the EU Water Framework Directive and to promote a climate resilient County
Louth County Council	SRM 11	Promote resource efficiency in Group Water Schemes
Meath County Council	BET 6	Introduce water usage conservation measures within LA owned buildings.
Meath County Council	NE 1	Installation of water butts at public buildings, to aid tidy towns committees, staff and contractors access a sustainable water source for garden maintenance.
Meath County Council	NE 3	Develop options for the delivery of a National Implementation Strategy for Nature-Based Solutions and interim guidance to the management of rainwater and surface water run-off in urban areas.
Meath County Council	CRT 1	Installation of water refill stations at public buildings/amenity areas, to reduce the use of single use plastics.
Meath County Council	CRT 8	To liaise with the OPW in the identification of new, or the reinforcement of existing flood defences and protection measures.
Monaghan County Council	T 15	Continue to complete National Catchment -based Flood Risk Assessment and Management (CFRAM) programme within Monaghan to ensure all current and future flood risks are identified with a focus on implementation of the resulting recommendations; having due regard to the need to promote nature-based solutions and Sustainable Drainage Systems, and environmental sensitivities at these locations, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology.
Monaghan County Council	T 16	Resolve local flooding issues utilising OPW and Department of transport funding. (Climate Adaptation & Resilience works, OPW Minor works scheme.) Maintain transport network and other assets by removing blockages to reduce the risk of surface water floods; having due regard to the need to promote nature-based solutions and Sustainable Drainage Systems, and environmental sensitivities at these locations, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value.
Monaghan County Council	T 18	Develop and implement a Sustainable Drainage Strategy for the county; having due regard to the need to promote nature-based solutions and Sustainable Drainage Systems, and environmental sensitivities, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value.

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Monaghan County Council	NEGI 7	Ensure proposals for Sustainable Drainage Systems are included in all development proposals, where practicable.
Monaghan County Council	SRM 7	Install rainwater harvesting facilities in all Council depots as appropriate, to reduce demand on mains network and reduce use of treated water. Ensure due regard is given to the need to environmental sensitivities, including water quality, biodiversity, European sites, riparian corridors, and aquatic ecology.
Monaghan County Council	SRM 8	Promote upgrading of existing watermain networks by group water schemes to minimize leakage of treated water. Ensure due regard is given to the need to environmental sensitivities, including water quality, biodiversity, European sites, riparian corridors, and aquatic ecology.
Monaghan County Council	SRM 9	Complete inspections on Domestic Wastewater treatment systems to increase water quality status, through consultation with the Environmental Protection Agency.
Monaghan County Council	SRM 10	Expand the number of drinking water bottle refilling stations in main towns throughout county.
Offaly County Council	BE 2.3.3	Incorporate SUDS/NWRM/NBS in all capital work funding applications
Offaly County Council	BE 2.3.4	Implement nature-based solutions, such as bioswales and permeable pavements, using a multi-disciplinary team to guide planning, installation and monitoring to improve stormwater management and enhance local biodiversity
Offaly County Council	NE 4.2.4	Ensure all new development is assessed in relation to the requirements of the OPW Guidelines for Planning Authorities - The Planning System and Flood Risk Management
Offaly County Council	S 6.2.4	Increase water fountains across the County to reduce single use plastic waste
Offaly County Council	S 6.2.5	Offaly County Council will investigate current water usages with a view to identifying and implementing water efficiency measures.
Roscommon County Council	BET6	Embed water conservation measures throughout all RCC buildings.
Sligo County Council	37	Convene a Flooding Working Group to improve local flood protection (maintenance) and enhanced flood response (required resources). Examine areas where sustainable urban drainage systems (SUDS) and nature-based solutions can be considered.
South Dublin County Council	F 6	Identify and progress minor works schemes to resolve recurring flood issues, where possible, ensuring the schemes are designed and implemented to include Sustainable Drainage Systems (SUDS) / nature-based solutions / protection of biodiversity and avoidance of habitat fragmentation.
South Dublin County Council	F 8	Drive the implementation of SuDS in SDCC Capital projects, including new builds, retrofits etc, and monitor the level of implementation.
South Dublin County Council	F 9	Promote and encourage community involvement in the retrofit of SuDS or development of natural flood management measures, in existing housing / developments / local areas.

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South Dublin County Council	F 10	Identify 4 No. Demonstration Sites or Pilot schemes to monitor different SuDS projects, demonstrating how to combine SuDS/flood attenuation systems with existing land uses.
South Dublin County Council	F 11	Promote and encourage the implementation of SuDS to external Developers – ensure implementation of SuDS in Planning applications in line with SDCC SuDS Guidance.
South Dublin County Council	F 12	Improve the general maintenance plan for the stormwater and surface water network, with the aim to link to flood event forecasting and incorporate data of locations with known issues.
South Dublin County Council	F 13	Review gully maintenance plan and operations for improvements, considering areas with recurring issues and smart technology opportunities.
South Dublin County Council	F 14	Develop an improved maintenance plan for SuDS assets that are taken in charge by SDCC, ensuring their continued operation.
South Dublin County Council	F 15	Maintenance of lakes and wetlands to increase storage capacity during severe weather events, where necessary.
South Dublin County Council	N 16	Identify opportunities to remove culverts to restore urban watercourses.
South Dublin County Council	R 1	Monitor and improve internal waste and water management systems in all SDCC buildings.
South Dublin County Council	R 12	Identify further areas for the installation of drinking water fountains.
Waterford City & County Council	2.11	Incorporate Sustainable Urban Drainage Systems (permeable surfaces, green roofs, filter trenches, swales, ponds etc) into ALL Council projects
Waterford City & County Council	2.2	Planning decisions process to assess impact of new development proposed in areas determined to have a water supply and quality constraint (i.e., from climate related drought, extreme rainfall events). Assess impact on wastewater discharges and DWWTS and mitigate impacts.
Waterford City & County Council	2.27	Integration of Sustainable Urban Drainage Systems and other nature-based solutions into plans
Waterford City & County Council	3.15	Identify sites and opportunities to work with other agencies and communities on restoration of water levels and 'slow the flow' measures to mitigate flood risk.
Waterford City & County Council	3.16	Deliver on a yearly increase in the application of Blue-Green Infrastructure, Nature Based-solutions and Integrated Rainwater Management in local authority, private and public projects. Collate a database and spatial map to track progress. To include Part 8 and Section 177AE, applications for active travel, roads, public realm projects, public housing, footpath upgrades, public and council carparks, greenway/blueway planning etc
Waterford City & County Council	3.27	Increase the amount of permeable spaces in the County. Ensure that new housing and streetscapes incorporate permeability (Nature Based Solutions and Sustainable Urban Drainage Systems)

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Waterford City & County Council	3.28	Increased rainfall to be taken into account at building design stage and rainwater harvesting
Waterford City & County Council	5.7	Install public water fountains across the City and County
Westmeath County Council	2.8	Carry out a review of current drainage maintenance programmes and compare with flooding issues. Update as required.
Westmeath County Council	2.22	Ensure new commercial and residential estates are adequately serviced with surface water drainage infrastructure, e.g SUD's which meets the requirements of the Water Framework Directive, associated River Basin Management Plans and CFRAM Management Plans, having due regard to the need to promote nature based solutions and Sustainable Drainage Systems, and environmental sensitivities at these locations, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value.
Westmeath County Council	5.4	Work with and support private group water schemes to identify drinking water sources that are at risk to the impacts of climate change and identify alternative reserve sources of water to maintain water supplies in critical times
Westmeath County Council	5.1	Channel Maintenance and flood alleviation measures having due regard to the need to promote nature-based solutions and Sustainable Drainage Systems, and environmental sensitivities at these locations, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology etc.
Wexford County Council	BET 2	Continue to work with Office of Public Works Flood Defence section to progress all County Wexford Flood Relief Schemes e.g. Wexford Town, Enniscorthy and Rosslare Strand, having due regard to the need to promote nature-based solutions and Sustainable Drainage Systems, and environmental sensitivities at these locations, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value
Wexford County Council	BET 8	Work with Catchment Flood Risk Assessment Management Programme to prioritise projects to reduce flood risk and provide for detailed mapping of areas prone to fluvial and tidal flood risk. The National Indicative Fluvial Mapping (NIFM) and the National Coastal Hazard Flood Mapping are published and will help inform the implementation of this plan having due regard to the need to promote nature based solutions and Sustainable Drainage Systems, and environmental sensitivities at these locations, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value.
Wexford County Council	BET 21	Incorporate Sustainable Urban Drainage Systems (SUDs) in proposed designs in Wexford County Council. Raise awareness and provide training to staff ensuring all Sustainable Urban Drainage System related construction works are designed and implemented in a manner that does not result in the occurrence of significant adverse environmental effects
Wexford County Council	BET 22	Implement Gully Management Programme and seek innovative solutions to use technology to maximise the use of limited resources by monitoring gullies, especially in high-risk flood areas
Wexford County Council	NEGI 4	Preparation of a Rainwater Management Plan using nature-based solutions as part of the Wexford Town Local Area Plan 2024-2030 and consider this for other future Local Area Plans

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Wexford County Council	NEGI 6	Review all Non-Uisce Eireann Wastewater sites operated by Wexford County Council for stormwater infiltration issues in order to reduce the impact of flooding at Wastewater TP as a result of increased rainfall and carry out resolution works to separate stormwater from the foul wastewater systems at non-Uisce Eireann sites in order to reduce pollution as a result of rainfall events having due regard to environmental sensitivities such as European sites, biodiversity and amenity value
Wexford County Council	NEGI 11	Ensure the protection and improvement of water quality in County Wexford (through the implementation of the Water Framework Directive and River Basin Management Plan and Local Authority Waters Programme) takes account of climate change and the associated impacts on water quality status.
Wexford County Council	NEGI 12	Work through the Multi Annual Rural Water Programme to improve access to public water services to reduce pollution and vulnerability to water scarcity as a result of climate change having due regard to environmental sensitivities such as European sites, biodiversity and amenity value.
Wexford County Council	NEGI 18	Promote Water Conservation in the community and businesses by liaising with Uisce Eireann Stewardship programme and the Local Enterprise Office as well a Public Participation Network
Wexford County Council	CRT 13	Promotion of the Rural Water programme in providing support to rural communities for private well grant improvements and Group Schemes having due regard for sensitive aspects of the receiving environment and mitigating against any potential negative effects on air quality, noise, water quality and soil during construction works carried out. whilst advocating and exerting influence and control, as appropriate, to ensure such projects are designed and planned properly and do not cause unintended negative environmental effects
Wexford County Council	CRT 14	Collaborate with Uisce Eireann on initiatives to reduce water consumption in the enterprise community in County Wexford
Wexford County Council	SRM 5	Implement a programme for greener library usage, including filtered water dispensers and segregated waste disposal in public and staff areas
Wicklow County Council	22 BET	Standardise the management of drainage systems within the council including: <ul style="list-style-type: none"> • the regular maintenance of regional and local road drainage systems, having due regard to the need to promote nature based solutions and Sustainable Drainage Systems, and environmental sensitivities, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology. • the recording and mapping of areas impacted by weather events (Climate Change events) including the implementation of technology such as the Weather Impact Register (WIRE) App to capture impacts, response and costs (including ecosystem services/natural capital costs) • mapping the location of attenuation tanks and drainage systems on Arc GIS
Wicklow County Council	23 BET	Deliver climate adaptation works on infrastructure through the Climate Change Adaption & Resilience Works and drainage funding programmes, having due regard to the need to promote nature-based solutions and Sustainable Drainage Systems, and environmental sensitivities, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology.
Wicklow County Council	3 NEGI	Ensure all relevant legislation and regulation on climate change and flood management is integrated into council policies and guidelines, including the promoting of natural flood measures. Undertake Strategic Flood Risk Assessment of all Local Area Plans and Development Plans. Implement the OPW Flood Risk Management Guidelines and best practices to ensure that

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		all developments consider climate resilience and demonstrate that they integrate Nature-Based SuDS and Nature-Based Solutions to address surface water management. Ensure due regard is given to environmental sensitivities, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology.
Wicklow County Council	5 NEGI	Develop and implement an integrated SuDS policy to guide planning, installation, monitoring and maintenance to improve storm-water management. Provide training on SuDS implementation to key staff, having due regard to environmental sensitivities such as biodiversity, European sites and water quality.
Wicklow County Council	6 NEGI	Develop demonstration sites highlighting Nature-Based SuDS providing flood attenuation systems within existing urban areas, having due regard to environmental sensitivities such as biodiversity, European sites and water quality.
Wicklow County Council	8 NEGI	Prioritise the use of nature-based SuDS on local authority schemes within the following areas: 1. Roads - ensure drainage works are considered at the preliminary design stage of project development for all road and infrastructure projects 2. Housing - integrate nature-based SuDS techniques from the initial preliminary design stage to project completion. Additionally utilise water demand technologies into all housing capital projects. Having due regard to environmental sensitivities such as biodiversity, European sites and water quality.
Wicklow County Council	9 NEGI	Deliver the following Flood Relief Schemes: <ul style="list-style-type: none"> • Arklow Flood Relief Scheme • Avoca Flood Relief Scheme • Baltinglass Flood Relief Scheme Having due regard to the need to promote nature-based solutions and Sustainable Drainage Systems, and environmental sensitivities at these locations, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value.
Wicklow County Council	20 SRM	Upgrading of council-owned buildings to include for Nature-Based SuDS and water demand. Ensure all SuDS related construction works are designed and implemented in a manner that does not result in the occurrence of significant adverse environmental effects.

Table 2: DZ actions that relate to the Water Services Infrastructure sector

Local Authority	Action no	Action
Carlow County Council	DZ1.9	Develop and execute pilot rainwater harvesting scheme on Local Authority owned buildings
Cavan County Council	DZ-BE8	Prioritise completion of CFRAMS identified flood schemes within the DZ to ensure all current and future flood risks are identified.
Cavan County Council	DZ-BE9	Utilise available funding to carry out flood protection works having due regard to the need to promote Nature-based Solutions and Sustainable Drainage Systems, and environmental sensitivities at these locations, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value.
Cavan County Council	DZ-N6	Promote rainwater harvesting, reuse of grey water and green roofs and walls having due regard for environmental sensitivities such as local human receptors, European sites and biodiversity; and the need to appropriately protect and conserve protected structures, during any retrofitting works.
Clare County Council	DZ-BE2	Flood Risk: Completion of the Kilkee Flood Relief Scheme
Clare County Council	DZ-BE4	Advocate for a suitably located and designed WWTP in Kilkee
Cork County Council	4.8.4.1.6	Run a pilot rainwater harvesting retrofit project in an existing Council housing estate in the Decarbonising Zone, while ensuring projects have appropriate regard to local environmental sensitivities such as the receiving water environment, biodiversity and European sites.
Galway City Council	DZ 41	Engage and collaborate with the University, schools, community groups in the DZ to encourage and support reduced waste and water conservation.
Galway City Council	DZ 42	Implement a policy to increase permeable areas in the DZ (through greenspaces, planting and landscaping).
Galway County Council	DZ 1.4	Support Uisce Éireann to identify baseline emissions related to water delivery and treatment, update baseline emissions assessment and identify opportunities to reduce associated emissions. Assess risks related to drought conditions.
Galway County Council	DZ 1.6	Assess the feasibility of providing public drinking water fountains on the three islands.
Kildare County Council	3.7	Enhance green infrastructure in the town to support the development of sustainable urban drainage systems/swales/rain gardens to improve climate resilience.
Kildare County Council	3.8	Promote harvesting of rainwater, reuse of grey water and green roofs and walls on all new developments in the town and support retrofits that include these measures.
Leitrim County Council	DZBE7	Continue to complete Office of Public Works' (OPW) Catchment Flood Risk Assessment Management (CFRAM) within the DZ to ensure all current and future flood risks are identified.

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Leitrim County Council	DZBE8	Utilise available funding to carry out flood protection works and promote the use of Nature-based Solutions (NBS) to reduce the impact of flooding, having due regard to the need to promote nature-based solutions and Sustainable Drainage Systems, and environmental sensitivities at and in the vicinity of water bodies, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value.
Leitrim County Council	DZNGI5	Support green infrastructure and nature-based solutions such as sustainable urban drainage systems to improve climate resilience, having due regard to environmental sensitivities including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value.
Leitrim County Council	DZNGI6	Promote rainwater harvesting, reuse of grey water and green roofs and walls, having due regard for environmental sensitivities such as local human receptors, European sites and biodiversity; and built heritage conservation requirements, during any retrofitting works.
Monaghan County Council	DZ BE.6	Promote the use of nature-based solutions (NBS) to reduce the impact of flooding where possible, having due regard to environmental sensitivities including sensitive human receptors, water quality, biodiversity, European sites, riparian corridors and aquatic ecology.
Monaghan County Council	DZ NGI.4	Support green infrastructure and nature-based solutions such as sustainable urban drainage systems to improve climate resilience, having due regard to environmental sensitivities including water quality, biodiversity, European sites, riparian corridors and aquatic ecology, visual amenity and recreation and amenity value.
Monaghan County Council	DZ NGI.5	Promote rainwater harvesting, reuse of grey water and green roofs and walls, having due regard to environmental sensitivities including water quality, biodiversity, European sites, visual amenity and recreation and amenity value.
Roscommon County Council	DZ 5	Prioritise nature-based solutions in the execution of all development within the decarbonisation zone aligned with the National Implementation Strategy for Nature-Based Solutions for the management of rainwater and surface water run-off in urban areas, having due regard to environmental sensitivities such as biodiversity, European sites and water quality.
Waterford City & County Council	DZ 2.1	Sustainable Urban Drainage Systems (SUDS) to be incorporated in street upgrades, Council building projects and private developments.
Waterford City & County Council	DZ 2.2	Deliver a Rain Gardens project - provide the public with information on how it is done
Waterford City & County Council	DZ 2.8	Implementing permeable surfaces (bioswales / rainbeds / pervious pavement) - requirement in new developments
Waterford City & County Council	DZ 8.4	Incorporate water conservation in all new developments
Waterford City & County Council	DZ 8.5	Work with communities to incorporate rainwater harvesting into projects
Wexford County Council	DZ BET 19	Arrange a workshop with the pertinent sections of Wexford County Council on sustainable drainage systems

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Wicklow County Council	ADZ NE&GI 15	Map and identify green infrastructure opportunities in the town to support the development of NB-SuDS improving climate resilience, while ensuring projects have due regard to environmental sensitivities, including water quality, biodiversity, European sites, riparian corridors and aquatic ecology.
Wicklow County Council	ADZ NE&GI 16	Promote rainwater harvesting, green roofs, green walls and water demand reducing projects, while ensuring projects have appropriate regard to local environmental sensitivities such as the receiving water environment, biodiversity European sites and cultural heritage considerations.

**Oifig Réigiúnach um
Ghníomhú ar son na hAeráide
Rialtas Áitiúil**

Climate Action
Regional Offices
Local Government

