



Comhairle Cathrach na Gaillimhe
Galway City Council

**CLIMATE
RESILIENT
GALWAY CITY**
ENGAGE | PLAN | ADAPT

Climate Adaptation Strategy
2019-2024

**Adaptation Strategy Implementation Report
September 2021 to September 2022**

Quarterly Report nr1

16th February 2022

Progress on Adaptation Actions

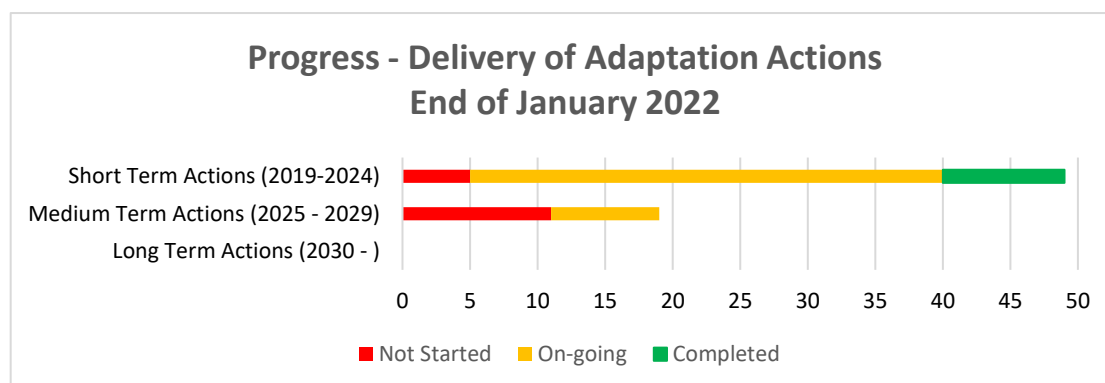


Figure 1 Progress End of January 2022

Short Term Adaptation Actions Completed				
Governance				
Nr of Actions	5	Nr of Actions completed	3	60 %completed
<ul style="list-style-type: none"> Climate Adaptation Implementation Group/Monitoring Group Climate Change in Corporate Plan Process for Capturing Costs of Extreme Weather Events incurred by GCC 				
Critical Infrastructure				
Nr of Actions	18	Nr of Actions completed	3	16 %completed
<ul style="list-style-type: none"> Climate Action in City Development Plan Critical Water Services Infrastructure – Vulnerability to Strong Winds 				
Natural and Cultural Capital				
Nr of Actions	10	Nr of Actions completed	2	20 %completed
<ul style="list-style-type: none"> Climate Change in Galway City Tourism Strategy Climate Change in Planning of Festivals 				
Water Services and Flood Risk Management				
Nr of Actions	6	Nr of Actions completed	0	0 %completed
Community Services				
Nr of Actions	10	Nr of Actions completed	1	10 %completed
<ul style="list-style-type: none"> Local Enterprise Office (action outside GCCs remit -removed) 				

Implementation Plan 2021-2022

The implementation plan for 2021-2022 comprises of 25 Individual Action Plans. The Action Plans list out the planned tasks to implement/progress each short-term adaptation actions. The number of action plans and tasks are summarised for each department in Table 1 below. Progress to date for each task are presented on pages 4 to 22.

Table 1 Short Term Actions by Galway City Council Department

Department	Nr of Actions Plans	Nr of Tasks
Environment and Climate Change	8	23
Recreation and Amenity	4	15
Economic Development and Culture	2	7
Water Services	2	6
Transport	2	5
Planning	2	4
Housing	1	3
ICT	1	2
Corporate Services	2	2
Finance	1	1
TOTAL	25	68

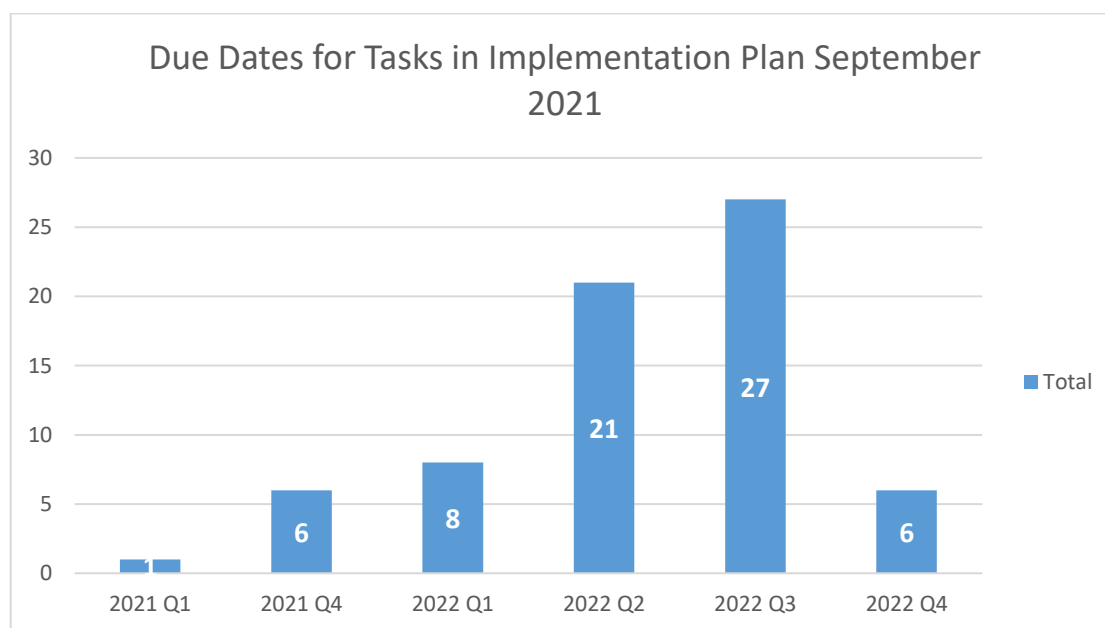


Figure 2 Timeline for Delivery of Tasks 2020-2021

Governance & Support

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
Communication and Stakeholder Engagement	5	I	Identify stakeholders.	2022 Q1	Environment and Climate Change Department	Ongoing
Annual Reporting	3	II	Prepare a section in the 2021 Annual Report to report progress on Climate Action including Adaptation.	2022 Q2	Environment and Climate Change Department	Not Started
Annual Reporting	3	I	Complete the CARO Progress Report 2021	2022 Q3	Environment and Climate Change Department	Not Started
Capturing Costs of Climate Events	4	1	Continue to set up job codes for extreme weather events	2022 Q3	Finance Department	Ongoing
Communication and Stakeholder Engagement	5	II	Organise Public Events to communicate Galway City Council's role in Climate Action, encourage public engagement. Work with the City Museum as an event curator and venue for public engagement.	2022 Q3	Environment and Climate Change Department	Not Started

Critical Infrastructure and Buildings

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
Integrate climate change and the Climate Adaptation Strategy (and mitigation) into the City Development Plan, and apply planning policies to reduce the vulnerability of Galway City Council to the impacts of climate change.	1.1	I	Prepare draft city development plan and incorporate climate action policy into the draft plan.	2021 Q4	Planning Department	Completed
To Capture Data on Impacts of Extreme Climate Events and Map Climate Impacts and Risks	4.1 & 4.2	I	Promote the use of the Wire App across all departments in Galway City Council.	2021 Q4	Environment and Climate Change Department	Completed
To Capture Data on Impacts of Extreme Climate Events and Map Climate Impacts and Risks	4.1 & 4.2	II	Co-ordinate and validate the reports uploaded to the Wire App. Prepare detailed Impact Reports for significant Climate Events.	2022 Q1	Environment and Climate Change Department	Ongoing
To Carry out a risk assessment of the likely impacts of climate change and their effect on key infrastructure, use it to inform adaptation policy.	5.1	I	Introduce the WIRE App into Transport Operations to record impacts of extreme weather events on Road Infrastructure	2022 Q2	Transport Department	Not Started

Critical Infrastructure and Buildings

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To Carry out a risk assessment of the likely impacts of climate change and their effect on key infrastructure, use it to inform adaptation policy.	5.1	II	Complete a risk and vulnerability assessment of Galway City Council's road infrastructure using the Methodology and Tools being developed by Climate Ireland and CARO	2022 Q2	Transport Department	Not Started
To Carry out a risk assessment of the likely impacts of climate change and their effect on key infrastructure, use it to inform adaptation policy	5.2	I	Source a Backup/Business continuity expert to identify systems at risk of catastrophic failure from the five climate risks set out in the Strategy, review GCC current backup strategy & provide recommendations to improve current backup strategy.	2022 Q2	ICT	Ongoing
To Carry out a risk assessment of the likely impacts of climate change and their effect on key infrastructure, use it to inform adaptation policy	5.4	II	Complete a climate risk and vulnerability assessment of Galway City Council's ICT Systems using the Methodology and Tools being developed by Climate Ireland and CARO	2022 Q2	ICT	Ongoing
To Increase Resilience of Buildings (Galway City Council's Housing Stock)	6	I	Introduce the WIRE App into Housing Maintenance Operations to record impacts of extreme weather events on Social Housing	2022 Q2	Housing Department	Not Started

Critical Infrastructure and Buildings

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To Increase Resilience of Buildings (Galway City Council's Housing Stock)	6	II	Complete a risk and vulnerability assessment of Galway City Councils housing stock using the Methodology and Tools being developed by Climate Ireland and CARO	2022 Q2	Housing Department	Not Started
To Increase Resilience of Buildings (Galway City Council's Housing Stock)	6	II	Issue an Addendum to the Tenant's Handbook to all tenants containing the CARO guidance.	2022 Q2	Housing Department	Postponed
To Increase Resilience of Buildings	6.3	I	Complete a climate risk and vulnerability assessment of Galway City Council's Buildings managed under Corporate Services, i.e. City Hall, Eyre sq. offices, Grammar School and Sandy Road Depot using the Methodology and Tools being developed by Climate Ireland/CARO.	2022 Q2	Corporate Services	Postponed
To Capture Data on Impacts of Extreme Climate Events and Map Climate Impacts and Risks	4.1 & 4.2	III	Co-ordinate and evaluate the outcomes of the internal risk and vulnerability assessments that will be completed using the Methodology and Tools developed by Climate Ireland/CARO	2022 Q3	Environment and Climate Change Department	Not Started

Critical Infrastructure and Buildings

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To Carry out a risk assessment of the likely impacts of climate change and their effect on key infrastructure, use it to inform adaptation policy.	5.1	III	Identify what monitoring systems are already in place for the road infrastructure identified above, e.g. Eirspan, road pavement conditions surveys. Scope requirements for new monitoring systems.	2022 Q3	Transport Department	Ongoing
To Mitigate Overheating of City Council Buildings (High Temperatures due to Solar and Internal Gains)	7.1	I	Energy Audit and Building Energy Modelling of City museum to address issues of Solar Gains to reduce overheating of the building from solar gains and reduce energy use for cooling	2022 Q3	Environment and Climate Change Department/ Economic Development	New

Natural and Cultural Capital

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To Support and Conserve Biodiversity for its intrinsic value within the Natural Environment and its interaction with the Climate.	2.1	I	Appoint a Biodiversity Officer	2021 Q1	Recreation and Amenity Department	Completed
Develop Guidelines in the City Development Plan to promote green infrastructure.	4.1	I	Adopt draft city development plan and incorporate support for green infrastructure and nature based solutions. Include development standards to support provision of green infrastructure e.g. SUDS	2022 Q1	Planning Department	Completed
To Promote Green Infrastructure to improve Air Quality and Mitigate Climate Change.	4.2	I	Recruitment of Tree Officer	2022 Q1	Recreation and Amenity Department	Ongoing
To Build Awareness of Nature Based Adaptation Solutions	1.1	I	Promote awareness of biodiversity by delivering in-house All Ireland Pollinator Plan presentation to Foremen	2022 Q2	Recreation and Amenity Department	Not Started
To Protect and Exploit Benefits in relation to Tourism and Natural and Cultural Capital	5.2	I	Complete a climate risk and vulnerability assessment of Black Box and Town hall Theatres using the Methodology and Tools being developed by Climate Ireland/CARO.	2022 Q2	Economic Development and Culture	Postponed

Natural and Cultural Capital

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To Protect and Exploit Benefits in relation to Tourism and Natural and Cultural Capital	5.2	II	Complete a climate risk and vulnerability assessment of Civic Museum using the Methodology and Tools being developed by Climate Ireland/CARO.	2022 Q2	Economic Development and Culture	Postponed
To Protect and Exploit Benefits in relation to Tourism and Natural and Cultural Capital	5.2	III	Complete a climate risk and vulnerability assessment of Leisureland using the Methodology and Tools being developed by Climate Ireland/CARO.	2022 Q2	Economic Development and Culture	Postponed
To Protect and Exploit Benefits in relation to Tourism and Natural and Cultural Capital	5.2	IV	Identify Natural and Cultural Capital Asset/sites in Galway City and determine the visitor numbers throughout the year (pre-Covid 19).	2022 Q2	Economic Development and Culture	Not Started
To Build Awareness of Nature Based Adaptation Solutions	1.1	II	Work with other departments to promote awareness of SuDs and NbS by delivering in-house presentation on technical aspects of design, construction & maintenance requirements of NbS in new developments	2022 Q3	Recreation and Amenity Department	Not Started

Natural and Cultural Capital

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To Support and Conserve Biodiversity for its intrinsic value within the Natural Environment and its interaction with the Climate.	2.1	II	Commence a review and update the Galway City Biodiversity Action Plan 2014 – 2024 to ensure that the risks from current and projected climate change have been identified	2022 Q3	Recreation and Amenity Department	Not Started
To Support and Conserve Biodiversity for its intrinsic value within the Natural Environment and its interaction with the Climate.	2.1	III	Increase areas in the City under No Mow (reduced grass cutting regime)	2022 Q3	Recreation and Amenity Department	Not Started
To Support and Conserve Biodiversity for its intrinsic value within the Natural Environment and its interaction with the Climate.	2.2	IV	Increase areas in the City under bulb planting and ornamental wildflower seeding	2022 Q3	Recreation and Amenity Department	Not Started
To Support and Conserve Biodiversity for its intrinsic value within the Natural Environment and its interaction with the Climate.	2.2	V	Procure consultants to deliver Tree Survey Report & woodland Management Plan at TFP under National Biodiversity Action Plan funding	2022 Q3	Recreation and Amenity Department	Not Started

Natural and Cultural Capital

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To Support and Conserve Biodiversity for its intrinsic value within the Natural Environment and its interaction with the Climate.	2.2	Vi	Procure consultants to deliver Hedgerow Survey Report & woodland Management Plan at TFP under National Biodiversity Action Plan funding	2022 Q3	Recreation and Amenity Department	Not Started
Integrate Climate Change into the Invasive Species Management Plan.	3.1	II	Deliver information session in-house to staff around the Plant Passport System and Alert System in place	2022 Q3	Recreation and Amenity Department	Not Started
Develop Guidelines in the City Development Plan to promote green infrastructure.	4.1	II	Participate in training on Nature Based Solutions	2022 Q3	Planning Department	Not Started
Develop Guidelines in the City Development Plan to promote green infrastructure.	4.1	III	Work with CARO on a CARO project for guidance and case studies on nature based solutions. When published provide guidance via website to developers	2022 Q3	Planning Department	Not Started

Natural and Cultural Capital

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To Promote Green Infrastructure to improve Air Quality and Mitigate Climate Change.	4.2	II	Mapping trees across the City to create a database of trees in public green spaces	2022 Q3	Recreation and Amenity Department	Not Started
To Promote Green Infrastructure to improve Air Quality and Mitigate Climate Change.	4.2	IV	Work with CARO on identification of public lands that can be funded under the Woodland Creation Scheme on Public Land	2022 Q3	Recreation and Amenity Department	Not Started
To Build Awareness of Nature Based Adaptation Solutions	1.2	III	Install biodiversity heritage signage on site as part of deliverables of Barna Woods Conservation Project under the National Biodiversity Action Plan.	2022 Q4	Recreation and Amenity Department	Not Started
Integrate Climate Change into the Invasive Species Management Plan.	3.1	I	Identify, map and treat new areas of IAS in 2022. Increase areas under treatment over the 22 sites under treatment in 2021	2022 Q4	Recreation and Amenity Department	Not Started

Natural and Cultural Capital

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To Promote Green Infrastructure to improve Air Quality and Mitigate Climate Change.	4.2	III	R&A will work with Environment section to consider the most appropriate tree species/planting locations based on the outcome of the findings of the AMU	2022 Q4	Recreation and Amenity Department	Not Started

Water Services and Flood Risk Management

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To manage Surface Water Drainage Risk for Extreme Rainfall Events.	2.1	I	Identify and map areas prone to surface water and groundwater flood risk for Roads	2021 Q4	Transport Department	Not Completed
To manage Surface Water Drainage Risk for Extreme Rainfall Events.	2.1	II	Identify Existing Installed Surface Pumping Infrastructure in Galway City and determine operational status and capacity of pumps.	2021 Q4	Transport Department	Not Completed
To Capture Data on Impacts of Extreme Rainfall Events on Water Resources.	3.1	III	Review the impact of extreme rainfall events in 2020-2021 on the Water Quality Sampling Test Results gathered for the 2020-2021 Bathing Water Season. (>30mm rainfall in 24hrs)	2022 Q1	Environment and Climate Change Department	postponed
To mitigate the risk and impact of flooding	1.1	I	Participate in CARO Training for Flood Risk Management	2022 Q2	Environment and Climate Change Department	Ongoing
To Capture Data on Impacts of Extreme Rainfall Events on Water Resources.	3.1	II	Identify Stakeholders regarding Water Quality in Galway Bay & Climate Change	2022 Q2	Environment and Climate Change Department	Ongoing

Water Services and Flood Risk Management

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To Protect Water Supplies	5.2	II	Continue to prioritise areas for watermain rehabilitation and seek IW funding	2022 Q2	Water Services	Ongoing
To Protect Water Supplies	5.3	II	Implement an Asset Management Plan at Terryland WTP by way of an Asset Maintenance Schedule for the plant to improve maintenance and operations of the plant	2022 Q2	Water Services	Completed
To mitigate the risk and impact of flooding	1.2	III	Progress the works to prevent leakage from the Eglington canal into Sruffaunacashlaun Stream/ Distillery Channel Culvert.	2022 Q3	Environment and Climate Change Department	Ongoing
To Capture Data on Impacts of Extreme Rainfall Events on Water Resources.	3.1	I	Co-operate with the Regional Local Authority Waters and Communities Office on Climate Change and Water Quality	2022 Q3	Environment and Climate Change Department	Ongoing

Water Services and Flood Risk Management

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To mitigate Surcharging of Combined Sewers	4.1	I	The DAP surveys and model build & verification is due to be completed by Q4 2021. Following on from this, Risk Assessment and Needs Identification will be completed in Q3 2022.	2022 Q3	Water Services	Ongoing
To mitigate Surcharging of Combined Sewers	4.1	II	Addressing areas of known infiltration	2022 Q3	Water Services	Ongoing
To mitigate the risk and impact of flooding	1.1	II	Progress the Coirib go Costa Galway City Flood Relief Scheme	2022 Q4	Environment and Climate Change Department	Ongoing
To mitigate Surcharging of Combined Sewers	4.1	II	Install event monitors on remaining CSOs that have none.	2022 Q4	Water Services	Ongoing

Water Services and Flood Risk Management

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To Protect Water Supplies	5.1	I	Work with Irish Water to progress the New Intake Works for Terryland	2022 Q4	Water Services	Ongoing

Community Services

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To Ensure that Galway City continues to be a Healthy Place with Excellent Air Quality	8	I	Work with EPA to install a new Urban Traffic Air Quality Monitoring Station at Eyre Square	2021 Q4	Environment and Climate Change Department	Completed
To Ensure that Galway City continues to be a Healthy Place with Excellent Air Quality	8	III	Raise Awareness of Smokey Coal Ban for Galway City	2021 Q4	Environment and Climate Change Department	Completed
Develop Business Continuity Plan to identify and address the impacts associated with extreme weather events on all functions/services of Galway City Council and put in place measures to maintain an acceptable level of service.	1	II	Scope the Business Continuity Plan and training needs for Relevant staff on Business Continuity Planning.	2022 Q1	Corporate Services	Not Started
To Support Community and Voluntary Sector Climate Action Projects	4	IV	Invite Expressions of Interest from Community and Voluntary Sector for proposals for Climate Action Projects, e.g. PPN, local Resident Group, Community Groups, SECs, Social media and Website	2022 Q1	Environment and Climate Change Department	Not Started

Community Services

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To Increase Awareness of Climate Change	2.1	I	Start the internal recruitment of Climate Ambassadors for each of the departments in Galway City Council	2022 Q2	Environment and Climate Change Department	Not Started
To Increase Awareness of Climate Change	2.2	III	Participate in the EU Interreg Funded Energy Project - Energy Awareness in Schools and Campaigners Projects with NUI Galway.	2022 Q2	Environment and Climate Change Department	Ongoing
To Support Community and Voluntary Sector Climate Action Projects	4	II	Provide Letters of Support to NUI Galway and GMIT on applications for funding projects on Climate Action	2022 Q2	Environment and Climate Change Department	Ongoing
To Increase Awareness of Climate Change	2.2	II	Promote the Sustainable Energy Communities model and Liaise with CARO and PPN on best practice Community engagement models to deliver Community energy efficiency and public awareness campaigns.	2022 Q3	Environment and Climate Change Department	Completed

Community Services						
Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To Support Community and Voluntary Sector Climate Action Projects	4	I	Support communities and voluntary sector in developing and implementing climate adaptation projects at local level. E.g. Grattan Beach	2022 Q3	Environment and Climate Change Department	Ongoing
To Support Community and Voluntary Sector Climate Action Projects	4	III	Scope a project proposal with NUI Galway to map Galway City's natural environment's carbon capture capacity.	2022 Q3	Environment and Climate Change Department	Not Started
To Promote Opportunities & Support Business	6	I	Liaise with CARO and other stakeholders (IDA) on how Galway City Council can promote the opportunities arising from climate action	2022 Q3	Economic Development and Culture	Ongoing
To Promote Opportunities & Support Business	6	II	Participate in the All Ireland Smart Cities Forum to identify opportunities for funding of climate action projects/business opportunities in Galway City	2022 Q3	Economic Development and Culture	Ongoing

Community Services

Objective	Action	Task ref	Tasks Description	Due by	Department	Status
To Promote Opportunities & Support Business	6	III	Participate in future joint events between the Nordics and All Ireland Smart Cities Forum to identify opportunities for funding of climate action projects/business opportunities in Galway City	2022 Q3	Economic Development and Culture	Ongoing
To Ensure that Galway City continues to be a Healthy Place with Excellent Air Quality	8	II	Work with EPA to install a new Suburban Traffic Air Quality Monitoring Station - Briarhill Junction	2022 Q3	Environment and Climate Change Department	Ongoing