



# CLIMATE ACTION MONITORING GROUP

17<sup>TH</sup> FEBRUARY 2022



Comhairle Cathrach na Gaillimhe  
Galway City Council

# AGENDA

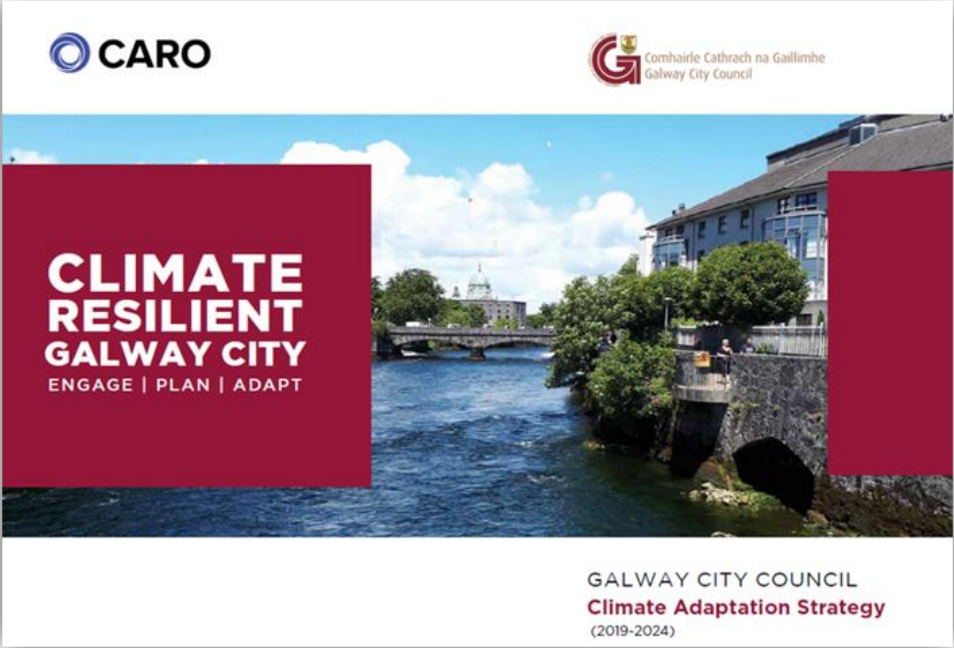
1. Update and Review progress  
Implementation of Climate Adaptation Strategy 2019-2024  
– Quarterly Progress Report - Q1 2022 [report issued to group]
2. Climate Action Requirements – Galway City Council
3. Dates for Meetings
4. A.O.B

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

**UPDATE ON  
IMPLEMENTATION OF  
CLIMATE ADAPTATION  
STRATEGY 2019-2024**

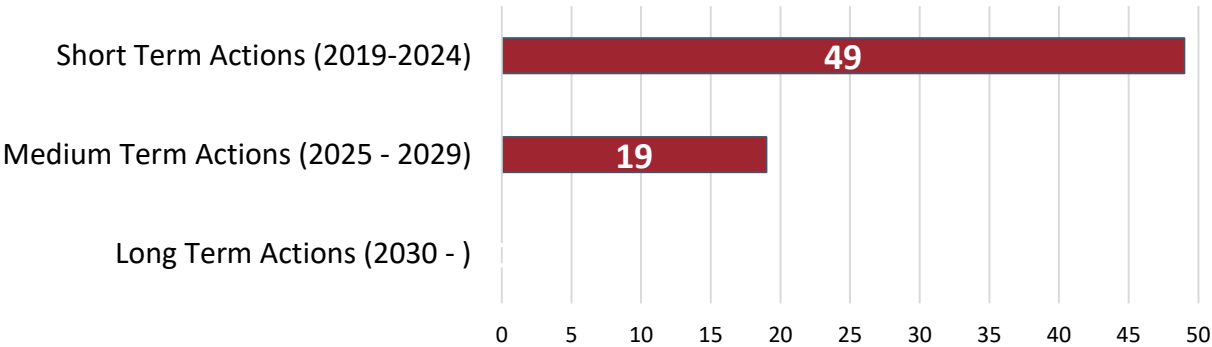
**PROGRESS REPORT  
Q1 2022**

# CLIMATE ADAPTATION STRATEGY (2019-2024)



- Adopted by the Members of Galway City Council on the 9<sup>th</sup> September 2019.
- Sets out the Strategic priorities, measures and responses for Adaptation for Galway City Council.

Timeline for Adaptation Actions



- 31 Objectives
  - 68 Actions

# PROGRESS REPORT – END OF JANUARY 2022

31 Objectives (68 Actions)

49 Actions (Short-Term)

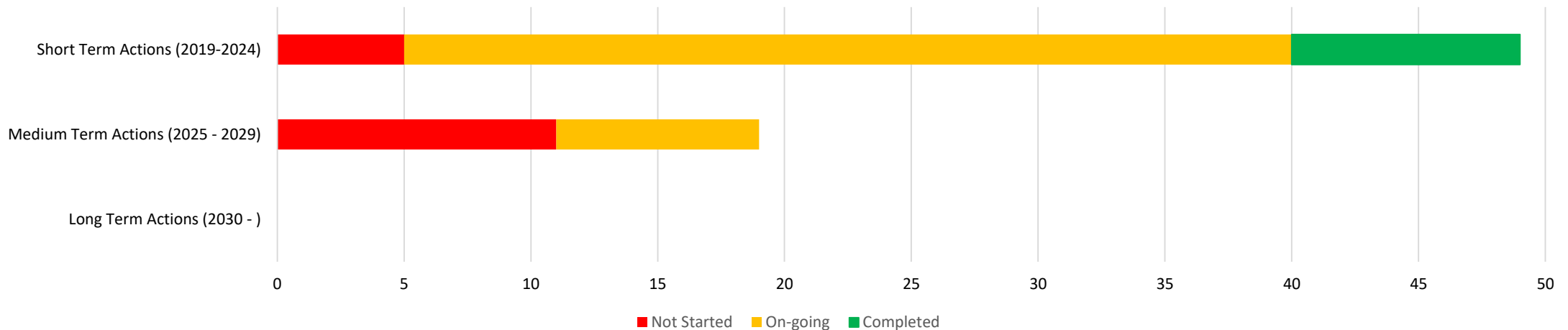
19 Actions (Medium Term)

5 Actions Not Started

36 Actions On-going

8 Actions Completed

Progress - Delivery of Adaptation Actions



# SHORT-TERM ADAPTATION ACTIONS

Actions Completed	On-going (Examples)		
<ol style="list-style-type: none"> <li>1. Climate Adaptation Implementation Group/Monitoring Group</li> <li>2. Climate Change in Corporate Plan</li> <li>3. Process for Capturing Costs of Extreme Weather Events incurred by GCC</li> <li>4. Climate Change in Galway City Tourism Strategy</li> <li>5. Critical Water Services Infrastructure – Vulnerability to Strong Winds</li> <li>6. Climate Change in Planning of Festivals</li> <li>7. Local Enterprise Office (action outside GCCs remit)</li> <li>8. Climate Action in City Development Plan</li> </ol>	<p>Governance and Monitoring</p>	<p>New Intake for Terryland WTW</p>	<p>Coirib go Costa Galway City Flood Relief Scheme</p>
	<p>Biodiversity</p>	<p>Internal Awareness/ Training</p>	<p>Air Quality Monitoring</p>
	<p>Data Capturing - WIRE App</p>	<p>Risk and Vulnerability Assessments</p>	<p>Implementing the All-Ireland Pollinator Plan</p>
		<p>Awareness of Nature Based Solutions</p>	

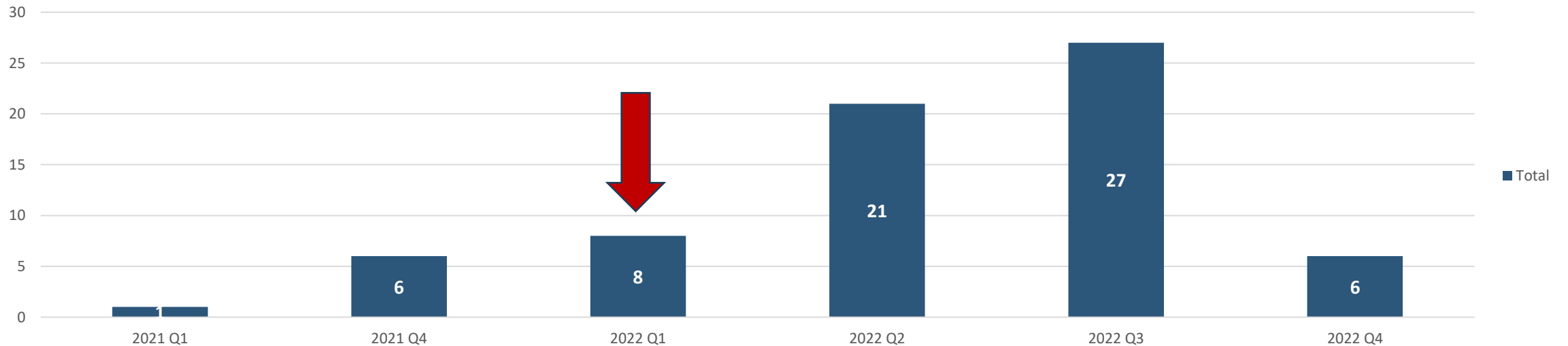
# SHORT TERM ACTIONS NOT INCLUDED IN PREVIOUS IMPLEMENTATION PLANS

Sector	Objective	Action	Action Description	Lead Department	Relevant Partners
Critical Infrastructure and Buildings	Carry out a risk assessment of the likely impacts of climate change and their effect on key Infrastructure, use it to inform adaptation policy.	5-5	Identify and implement any <b>operational measures to protect critical road infrastructure/equipment</b> to reduce the risk/impact from climate events, and develop necessary maintenance/upgrade programme to prolong the lifespan and address climate risk.	Transport Department	TII
Critical Infrastructure and Buildings	To Increase Resilience of Buildings	6-4	Review maintenance and repair standards, frequency and procedures for City Council housing stock and City Council owned/leased buildings to address the expected increase in risk of structural deterioration during extreme events.	Housing and Corporate Services	
Community Services	To Prepare Business Continuity Plan for Galway City Council	1	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.	Corporate Services	All departments
Community Services	To Increase Resilience in Emergency Response Plans	3-1	Review and update the <b>Emergency Response Plans</b> to take account of the changing climate, frequency and severity of climatic events	Transport Department	Housing, Civil Defence, HSE, Gardai, Met
Community Services	To Increase Resilience in Emergency Response Plans	3-2	Ensure that <b>Flood Emergency Response Plans</b> are reviewed annually to reflect the increasing flood risk, flood alert systems, communications strategy and the resource capacity required to provide an effective response	Transport Department	Eireann

# IMPLEMENTATION PLANS

Cycle	Implementation Plan Date	Nr of Action Plans	Nr of Tasks
Jan 2020 to July 2020	26 <sup>th</sup> February 2020	n/a	67
September 2020 to September 2021	16 <sup>th</sup> November 2020	30	89
September 2021 to September 2022	8 <sup>th</sup> November 2021	30	68

Due Dates for Tasks in Implementation Plan September 2021





# ADAPTATION ACTIONS – Q4 2021 – TASKS (7)

Sector	Objective	Action	Task ref	Tasks Description	Due	Lead Department	Status
Natural and Cultural Capital	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	Completed
Critical Infrastructure & Buildings	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
Critical Infrastructure & Buildings	To Capture Data on Impacts of Extreme Climate Events and Map Climate Impacts and Risks	4.1 & 4.2	I	Promote the Wire App across all departments and work with CARO to rollout out of the WIRE app in Galway City Council	2021 Q4	Environment and Climate Change Department	Completed
Water Resources and Flood Risk Management	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
Water Resources and Flood Risk Management	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
Community Services	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
Community Services	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

# ADAPTATION ACTIONS – Q1 – TASKS (11)

Sector	Objective	Action	Taskref	Tasks Description	Due By	Lead Department	Status
Governance & Support	Communication and Stakeholder Engagement	5	I	Identify stakeholders.	2022 Q1	Environment and Climate Change Department	Not Completed
Critical Infrastructure & Buildings	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	Not Completed
Natural & Cultural Capital	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
Natural & Cultural Capital	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	Not Completed
Water Resources and Flood Risk Management	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	Not Completed
Water Resources and Flood Risk Management	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	Not Completed
Water Resources and Flood Risk Management	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	Not Completed

# ADAPTATION ACTIONS – Q1 – TASKS (11)

Sector	Objective	Action	Task ref	Tasks Description	Due by	Lead Department	Status
Community Services	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 Completed
Community Services	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  <b>NEW LOCAL CLIMATE ACTION FUND</b>	2022 Q1	Environment and Climate Change	Not Completed

# ADAPTATION ACTIONS – Q2 – TASKS(21) - SUMMARY

Sector	Objective	Action	Task ref	Tasks Description	Due By	Lead Department	Status
Governance & Support	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 Completed
Critical Infrastructure & Buildings /Natural & Cultural Capital	To Carry out further risk assessments	5.1	II	Complete a risk and vulnerability assessment of Galway City Council's assets	2022 Q2	Transport / Housing / Corporate Services	Not Completed
Critical Infrastructure & Buildings	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 Completed
Critical Infrastructure & Buildings	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 Completed
Critical Infrastructure & Buildings	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	Not Completed
Critical Infrastructure & Buildings	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	Not Completed

# ADAPTATION ACTIONS – Q2 – TASKS(21) - SUMMARY

Sector	Objective	Action	Task ref	Tasks Description	Due By	Lead Department	Status
Natural & Cultural Capital	To Build Awareness of Nature Based Adaptation Solutions	1.1	I	Promote awareness of biodiversity by delivering in-house All Ireland Pollinator Plan presentations	2022 Q2	Recreation and Amenity Department	Not Completed
Natural & Cultural Capital	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 Completed
Water Resources and Flood Risk Management	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	Not Completed
Water Resources and Flood Risk Management	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	Not Completed
Water Resources and Flood Risk Management	To Protect Water Supplies	5.2	II	Continue to prioritise areas for watermain rehabilitation and seek IW funding	2022 Q2	Water Services	Not Completed
Water Resources and Flood Risk Management	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	Not Completed
Community Services	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 Completed
Community Services	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	Not Completed



**THANK YOU  
QUESTIONS**

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**CLIMATE ACTION  
REQUIREMENTS**



# NATIONAL CLIMATE ACTION PLAN 2030 TARGETS

- Reduce CO<sub>2</sub>eq. from the sector by 51% (absolute)
- Increase further energy efficiency in the public sector from the 33% target in 2020 to 50% by 2030.
- All public buildings to be retrofitted to a BER of B
- By 2030, reduce emissions from public sector buildings by 50%.
- Do not install heating systems that use fossil fuels after 2023



# LOCAL AUTHORITY CLIMATE ACTION PLAN

- GCC- prepare a Local Authority Climate Action Plan within 12 months

## Challenges

- Guidance
  - Consultancy support
  - Establishing baseline measures,
  - Broad scope,
  - Timescale,
  - Funding,
  - Staffing
- Section 16 of the Climate Action and Low Carbon Development (Amendment) Act 2021 (SI 32 of 2021)
  - 5 year 'local authority climate action plan'
  - Mitigation and the adaptation measures to be adopted by the local authority.



# DECARBONISING ZONE



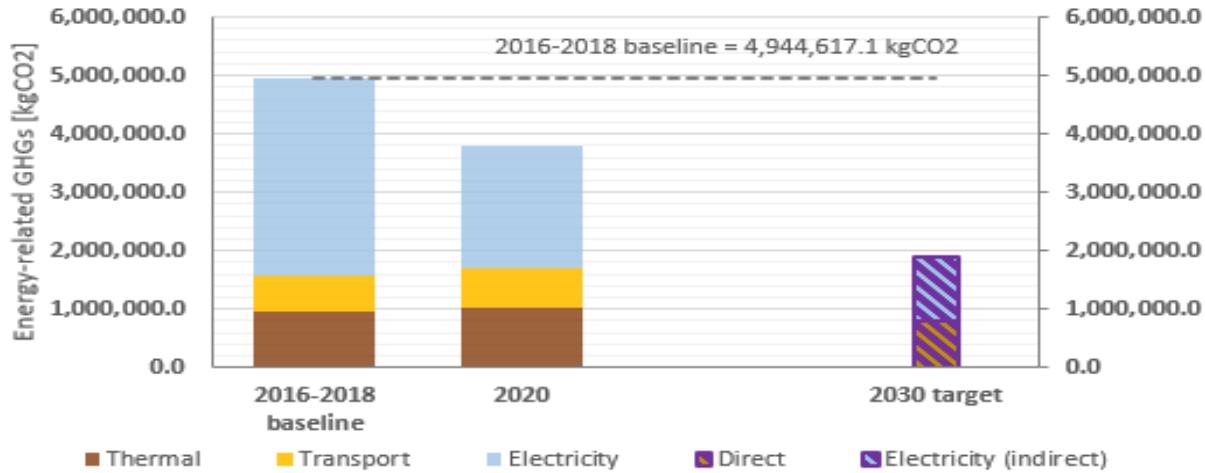
## Requirements

- Identify a suitable Decarbonising Zone by 30<sup>th</sup> April 2021 - Completed
- Implementation Plan in place by Dec 2021.
- the zone to deliver the Government's
  - average 7% per annum reduction in overall greenhouse gas emissions from 2021 to 2030
  - (a 51% reduction over the decade) for the whole area not just those in GCC's control.

## The Challenge

- No feedback or guidance on Westside area
- Meaningful and deliverable plan
- Role of GCC in leading on this
- Resources-Limerick PED
- Funding
- Influence private home owners
- Influence Large organisations
- Measure and Reporting
- Rolling it out to the larger Galway area

# REDUCE GCC EMISSIONS BY 51% (ABSOLUTE)



## Requirements

- Reduce Existing Emissions
  - Reduce transport/fleet emissions
  - Continued roll out of Public Lighting Project
  - Public Buildings
- No additional allowance for Emissions for New Energy Demands

## Challenges

- Resources
- Funding
- No additional increase to emissions and maintain reduction targets
- Design of buildings
- New developments
- Buy in from all departments
- Accommodating population growth

# EMISSIONS – ENERGY EFFICIENCY PROJECTS

## Requirements

Base Year GHG Emissions 4,945 tCO<sub>2</sub>/yr

Target 1,891 tCO<sub>2</sub>/yr

Reduction Required (base year) **3,054 tCO<sub>2</sub>/yr**

## The Challenge

The ability to make the reductions regardless of the cost.

- 2021 Projects = 5% of gap to target
- Resources
- Cost
- Buy in from all Departments
- Social Housing not included

Projects underway 2021	Absolute reduction on Baseyear tCO <sub>2</sub> /yr	Cost €
GALWAY CITY LANTERN UPGRADE 2021	63.7	€266,729.00
Internal LED Lighting – City Hall	27.2	€100,790.84
Leisureland Upgrade of Pumps	16.1	€26,376.05
Leisureland Pool Covers	30.6	€56,696.85
<b>TOTAL</b>	<b>137.6</b>	<b>€450,592.74</b>

# PUBLIC BUILDINGS

## Requirements

- BER B by 2030 (all Public Buildings)
- Approximately 30 Buildings
- Establish Current Rating (€60,000)
- Windows, doors, roofs, insulation, solar panels, dry-lining, lagging pipework, LED lighting, Heat Pumps,
- Final rating post works (€60,000)
- Energy Audits & Display Energy Certs

## Challenges

- Resources
- Funding
- Keeping Buildings open
- Challenging Buildings (Museum)
- Future Plans (Leisureland & extension to City Hall)
- Protected Structures

# WHAT ARE WE REQUIRED TO DO TODAY?

- Continue with Climate Adaptation Plan Implementation,
- Climate action plan,
  - Carbon footprint Galway City
  - Energy Master Plan
- Additional Energy/GHG reduction projects to reach 2030 targets,
- Climate Action Monitoring Group,
- Non-domestic BER B on Public Buildings
- Decarbonising Zone
- Local Climate Action Fund
- Additional staff

## WHAT ARE WE REQUIRED TO DO TODAY?

- Energy Awareness,
- Energy Team,
- Identifying and working with Depts on Energy Reduction Programmes,
- Energy Efficient Design for new buildings (absolute GHG reduction),
- Engagement with other bodies,
- Monitoring & Reporting of Energy Use,
- Engagement with SEAI on SEC's,
- Engagement with CARO,





**THANK YOU  
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**DATES FOR 2022  
MEETINGS**



## **2022 MEETING DATES**

Thursday 12th May 2022

Thursday 8th September 2022

Thursday 10th November 2022