



# Energy Citizens Roadshow

 Meath

 04 / 05 / 2023



Home Energy Grants and Upgrades



Micro-generation and Community Ownership



Regional and Social Development



# EirGrid Energy Citizens Roadshow

Welcome.

Please take time to network, explore the information stands and help yourself to refreshments.

The panel discussion will commence at 7pm.



# Open and Welcome

Sinead Dooley, Head of Public Engagement, EirGrid



# Overview of this evening

Ciaran Mullooly, MC



# Agenda

- 7.00pm Open and Welcome  
*Sinead Dooley, EirGrid*
- 7.05pm Overview of Event and Introduction of the Panel  
*Ciaran Mullooly, MC*
- 7.10pm What Shaping Our Electricity Future means for Meath  
*Michael Mahon, EirGrid*
- 7.25pm National Network, Local Connections  
*Gerry Noone, ESB Networks*
- 7.40pm SEAI Supports for Communities and Households  
*Emer Conway, SEAI*
- 7.55pm Local Opportunities in the renewable energy transition  
*Mary D'Arcy, Meath County Council*
- 8:10pm Questions and Answers
- 8.25pm Wrap up and close of event



# What Shaping Our Electricity Future means for Meath

Michael Mahon, Chief Infrastructure Officer, EirGrid





EirGrid.ie

# Energy Citizens Roadshow

 Meath

 04 / 05 / 2023



Home Energy  
Grants and Upgrades



Micro-generation and  
Community Ownership



Regional and  
Social Development



# Who are EirGrid and What Do We Do?

State-owned operators of Ireland's electricity transmission grid.

We send power from where it is generated to where it is needed.

We operate the wholesale electricity market.

We operate electricity interconnectors with neighbouring countries.

We do not generate electricity.





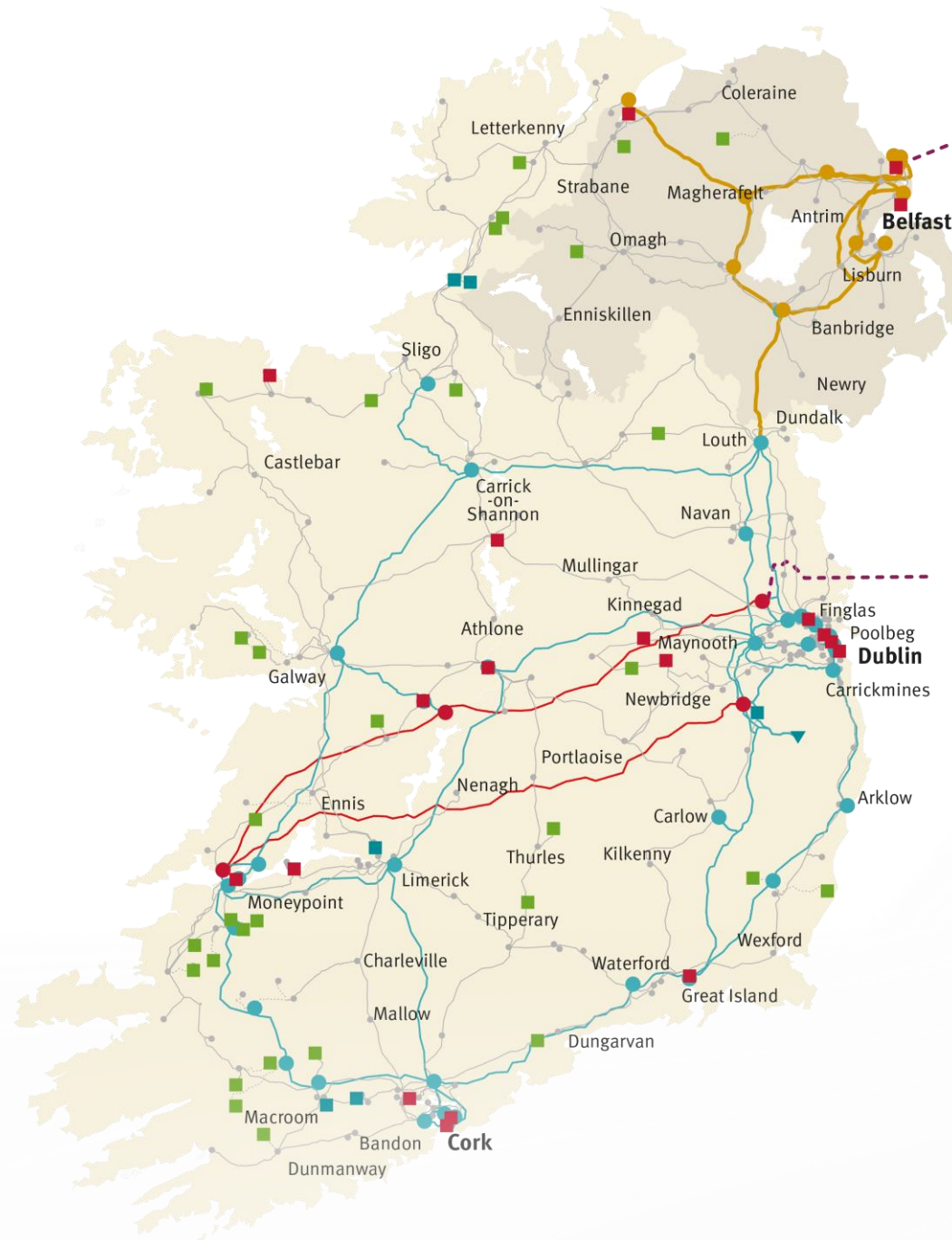
# Ireland's electricity grid

The grid gets into every corner of Ireland, bringing reliable power to homes, farms, schools, hospitals, and businesses.

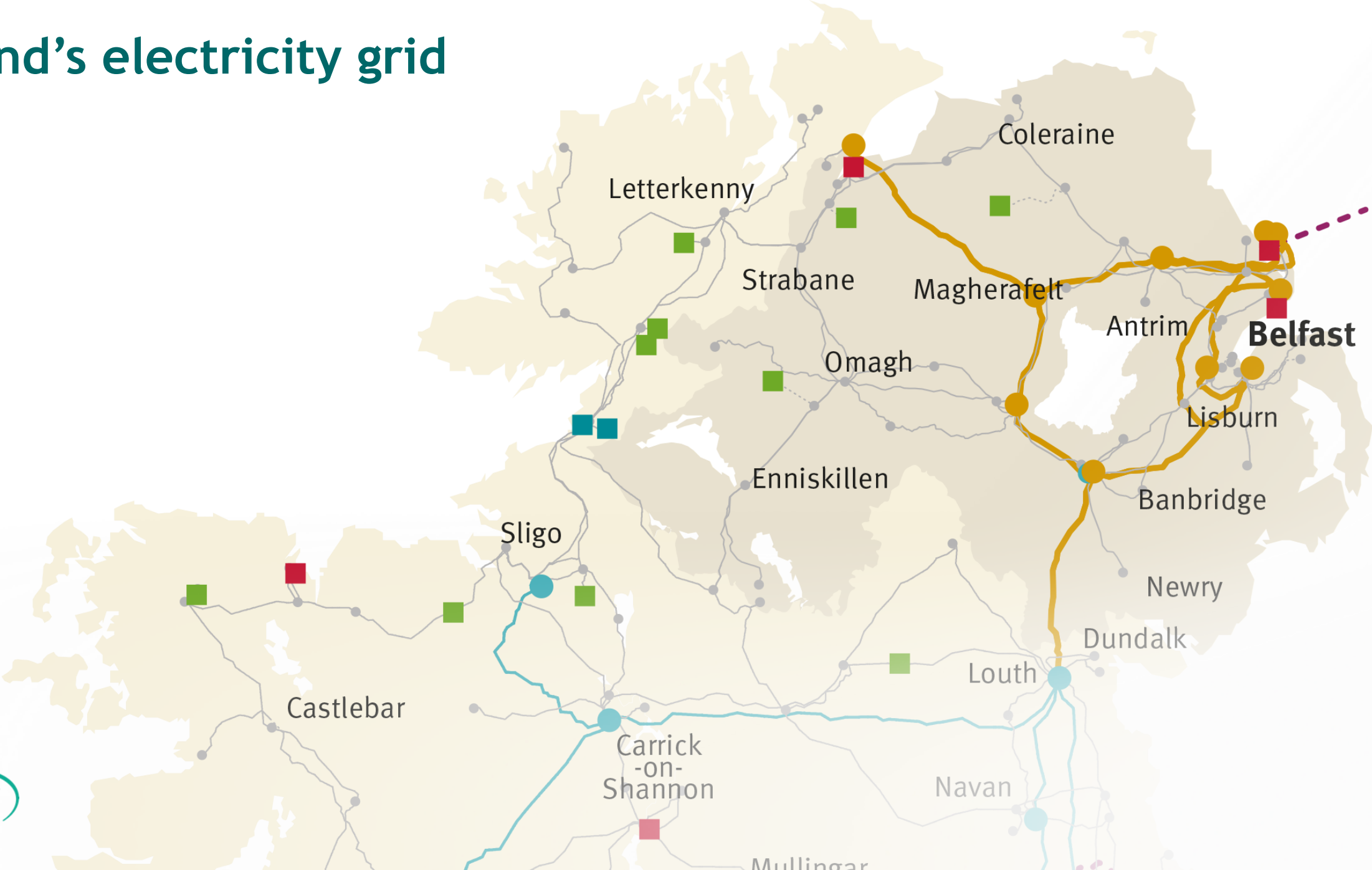
There is approximately 9,500 km of high-voltage (110kV+) powerlines and cables across the island.

Peak demand during the cold snap last December was 7,031MW.

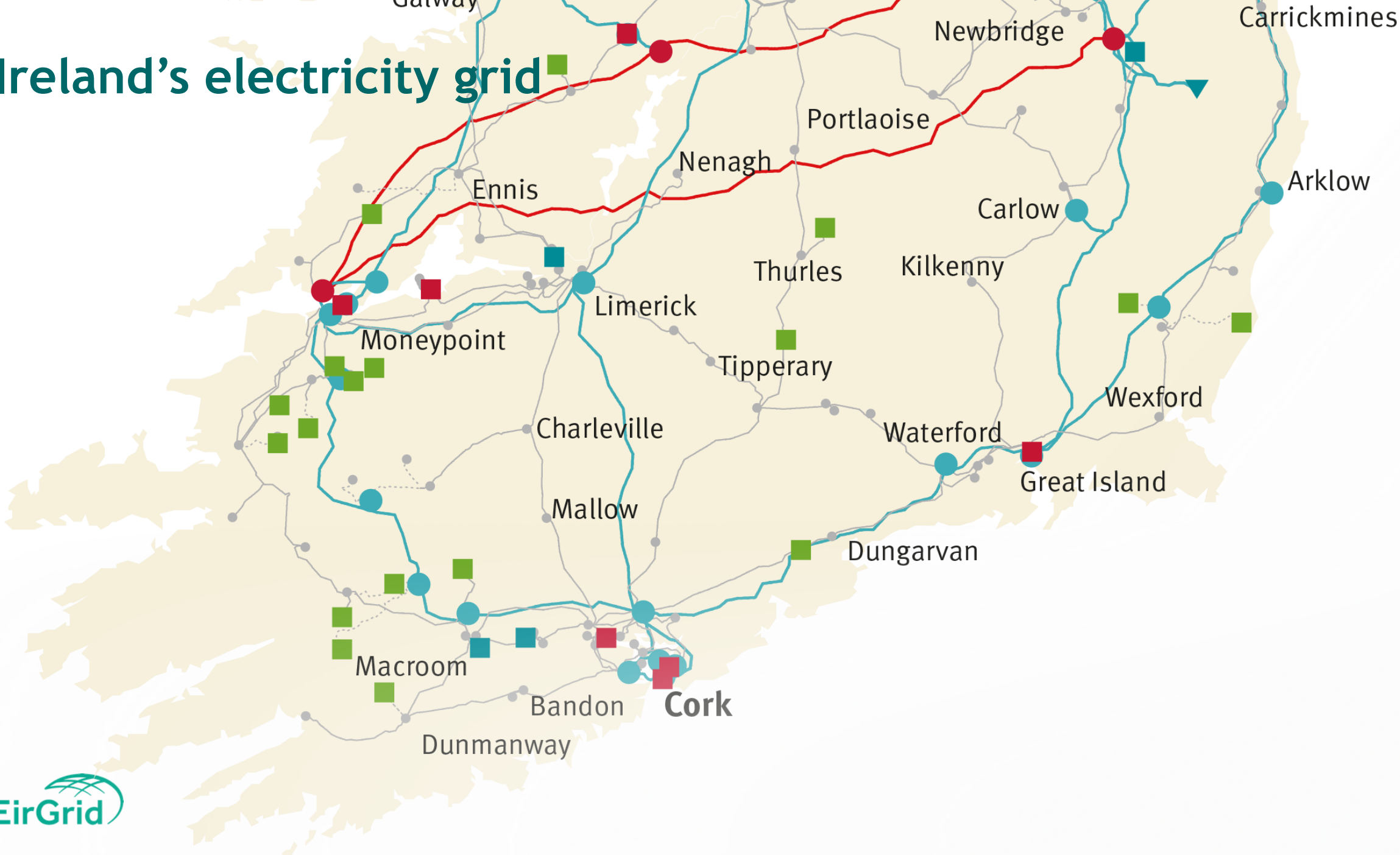
Electricity is getting greener all the time.



# Ireland's electricity grid



# Ireland's electricity grid



The Government has asked us to prepare the grid so up to **80%** of Ireland's electricity can come from **renewable sources by 2030**



# Ireland's Electricity Grid

The grid needs to carry at least 17GW more renewable electricity by 2030 - that is more than triple 2020 levels.

**100**  
kilowatts

=



30 Homes

100KW is enough to power approximately 30 homes

**1MW**  
megawatt

=



300 Homes

One Megawatt is enough to power approximately 300 homes

**1GW**  
gigawatt

=

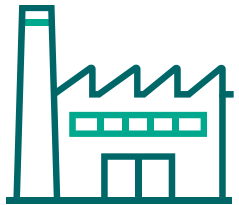




300,000 Homes

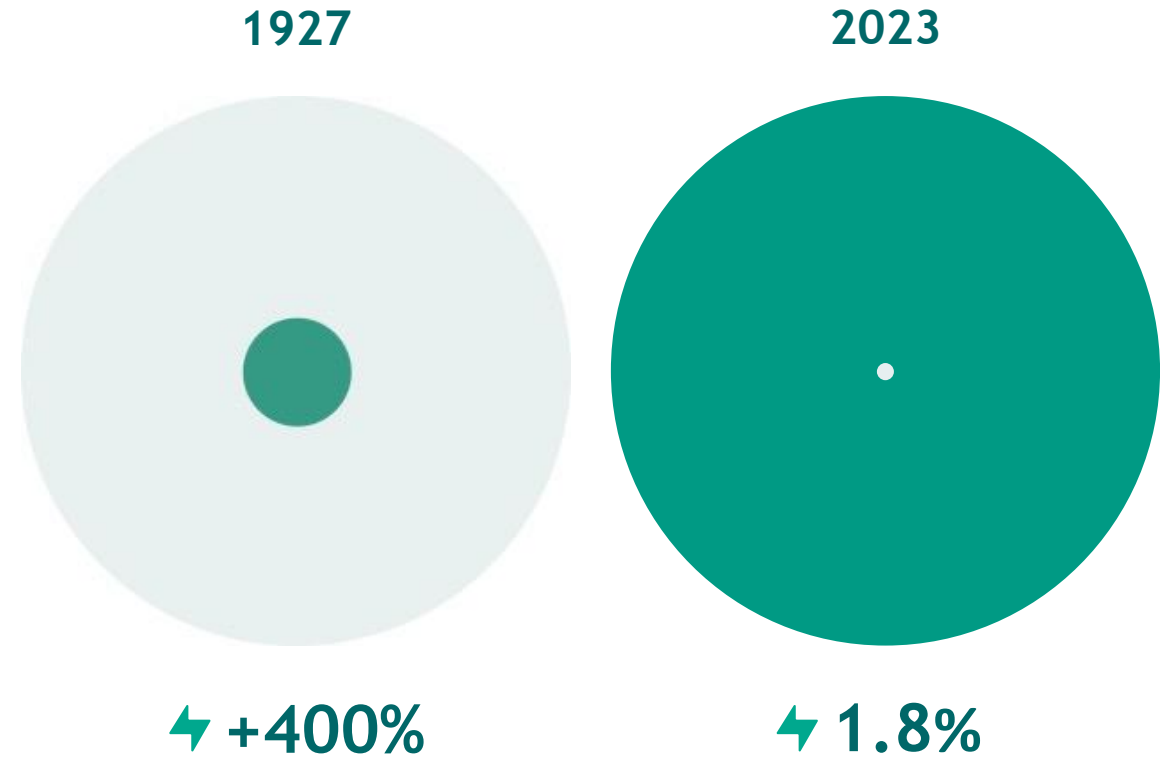
One Gigawatt is enough to power approximately 300,000 homes

# Ardnacrusha Hydroelectric Power Plant

In 1927, the Ardnacrusha hydroelectric power plant provided 4 times the amount of energy required (**400%**) by the country and was completed at a cost of one fifth of the Irish state budget. In 2023, it now represents approximate **1.8%** of our needs.



-  Amount of power needed
-  Power generated from Ardnacrusha



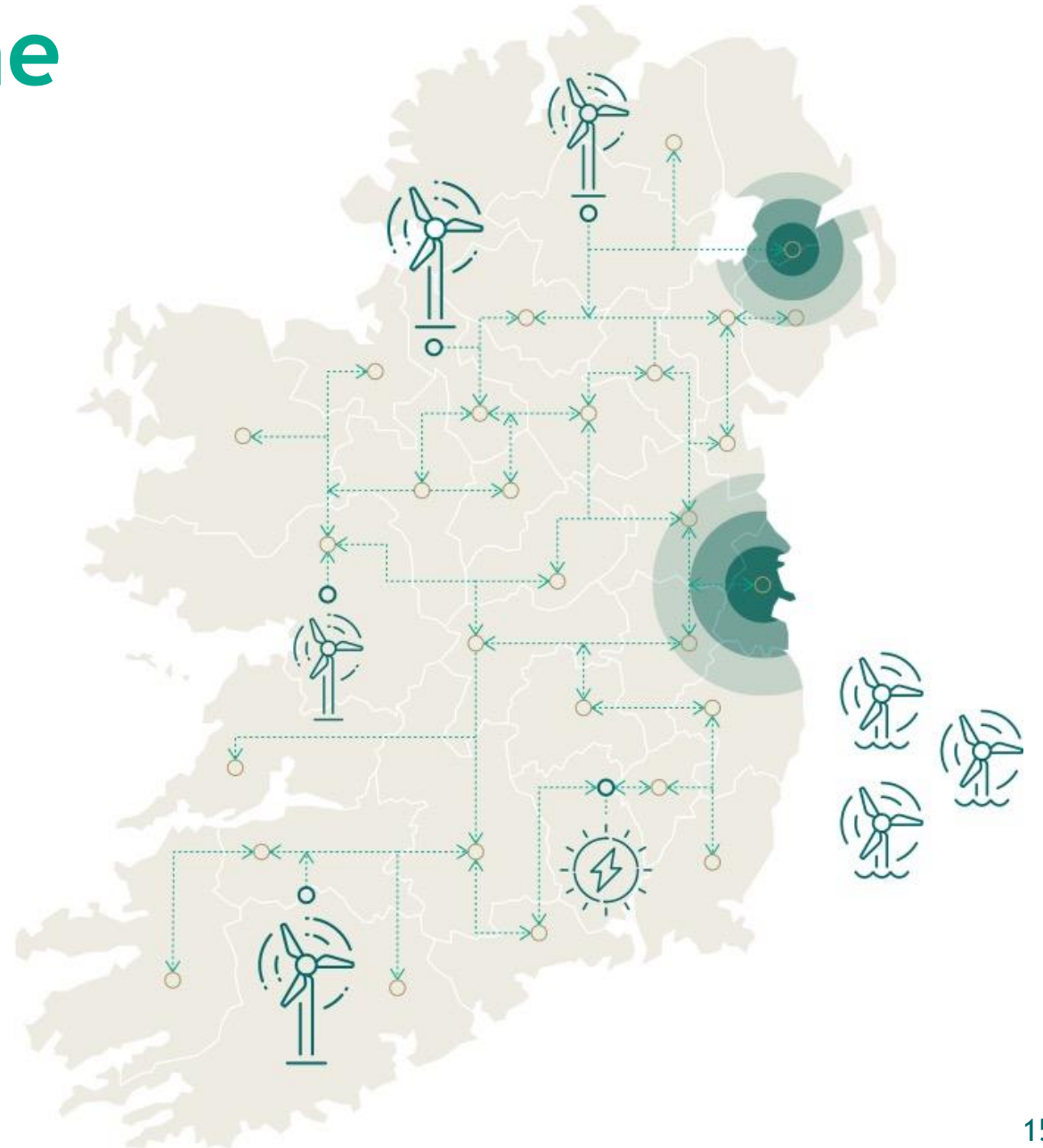
# Context for preparing the plan

More electricity will be carried across the grid than ever before, and most of this power will come from renewable sources.

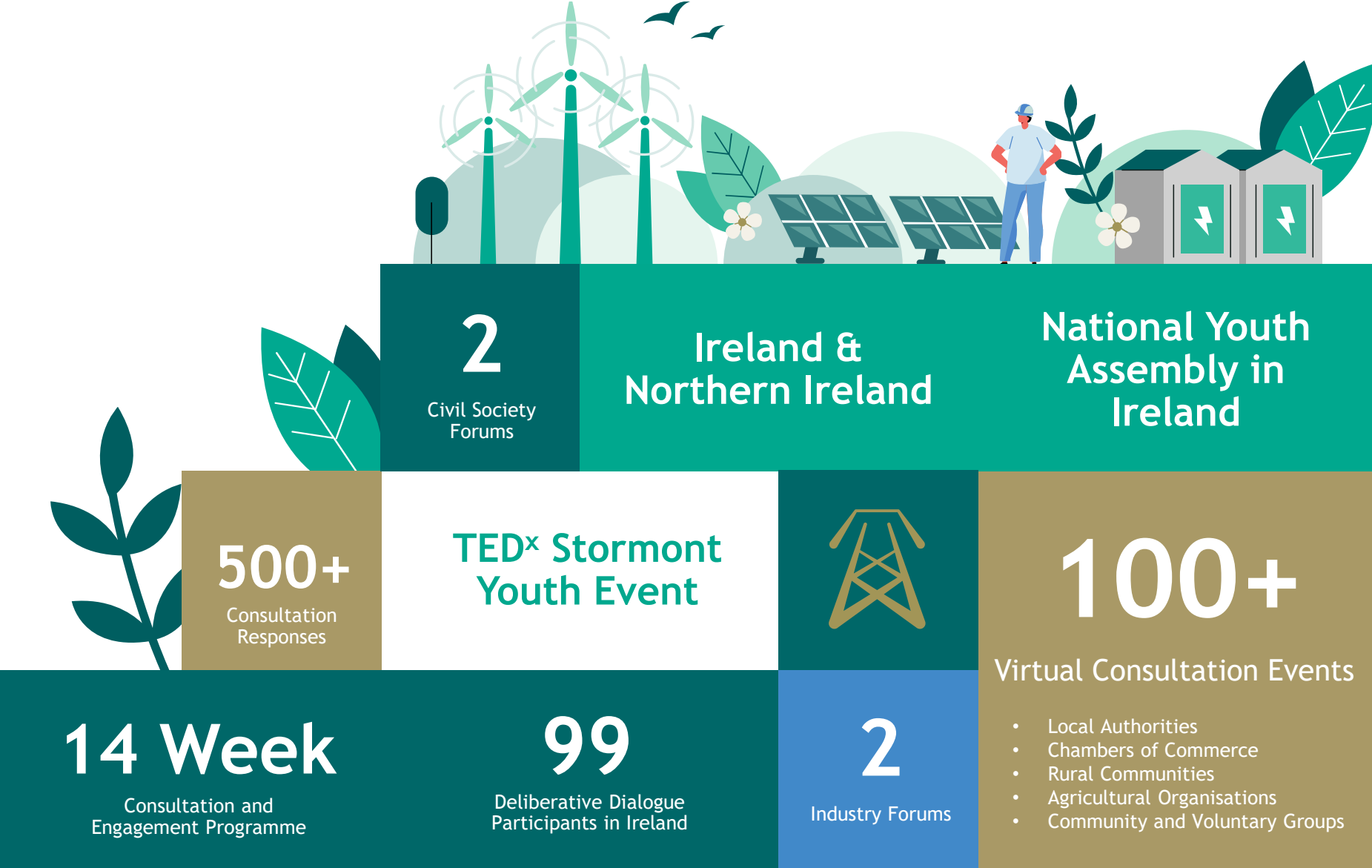
The grid needs to carry at least 17 GW more renewable electricity by 2030 - triple 2020 levels.

Power generated from renewable sources depends on the weather.

Renewable electricity is typically generated far away from where most electricity is used.



# How did we consult and engage?

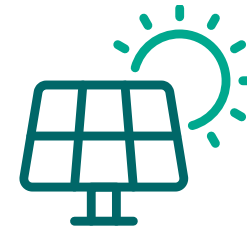




# What did the Public say?

- Onshore-generation
- Security-of-supply
- Public-engagement
- Landowner-concerns
- Ecology
- Environment
- Offshore-wind
- Future-proofing
- New-technology

## Recurring themes:



Microgeneration



Community Ownership



Benefits for regional and rural communities



Social Acceptance



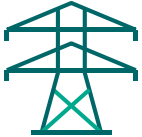
Keeping costs manageable

# What infrastructure will be required?



294

Existing Projects in the pipeline



40

New Projects in Ireland







4 new circuits  
24 upgrades to existing circuits  
1 new transformer  
11 new technology projects

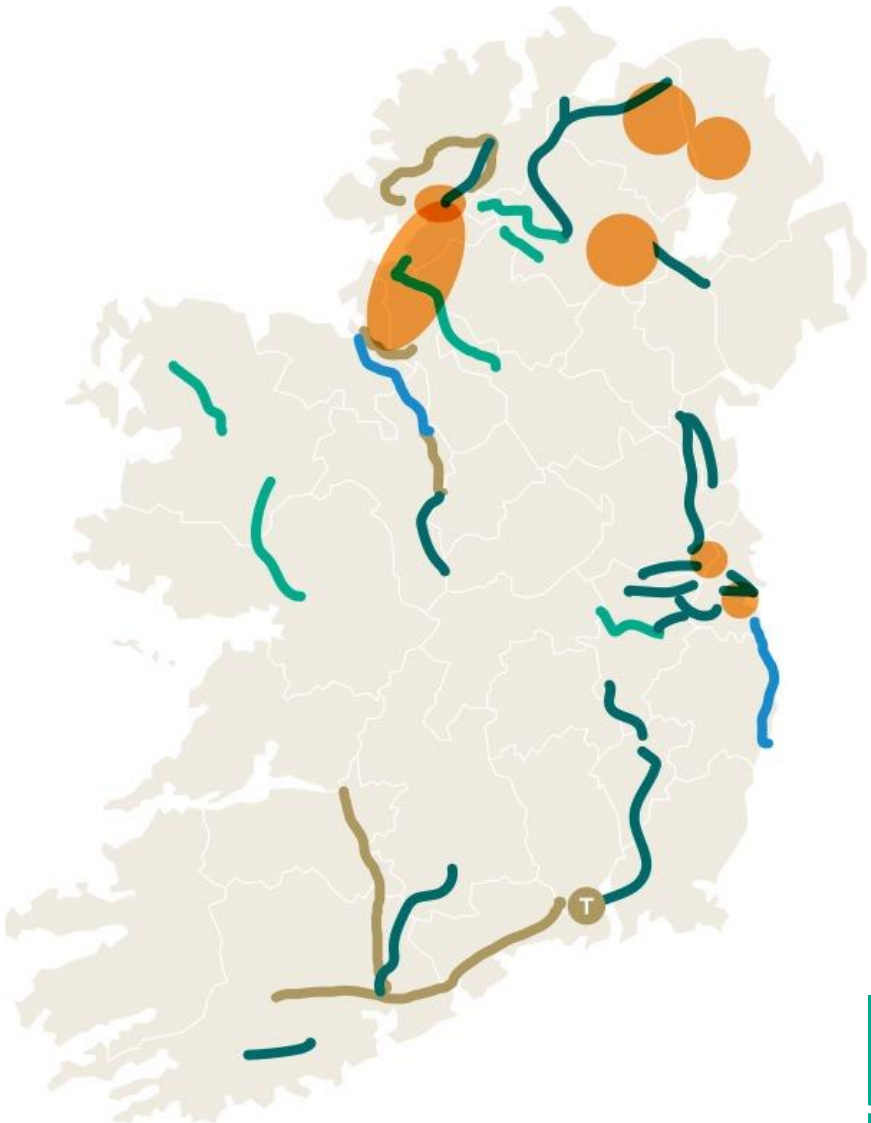


12

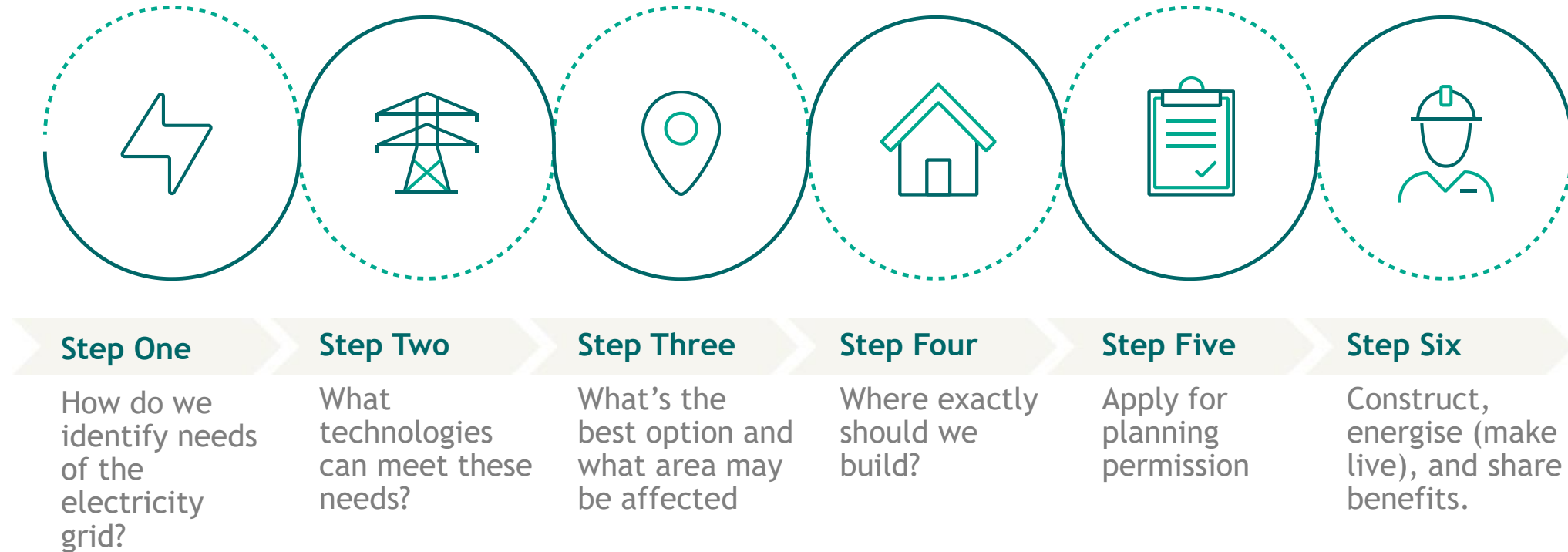
New Projects in Northern Ireland

3 new circuits  
7 upgrades to existing circuits  
2 new technology projects

-  New Circuit (indicative area shown)
-  Upgrade Circuit
-  Upvoltage Circuit
-  Dynamic Line Rating
-  Power Flow Controller
-  New Transformer



# Our 6 Step Approach to Project Development

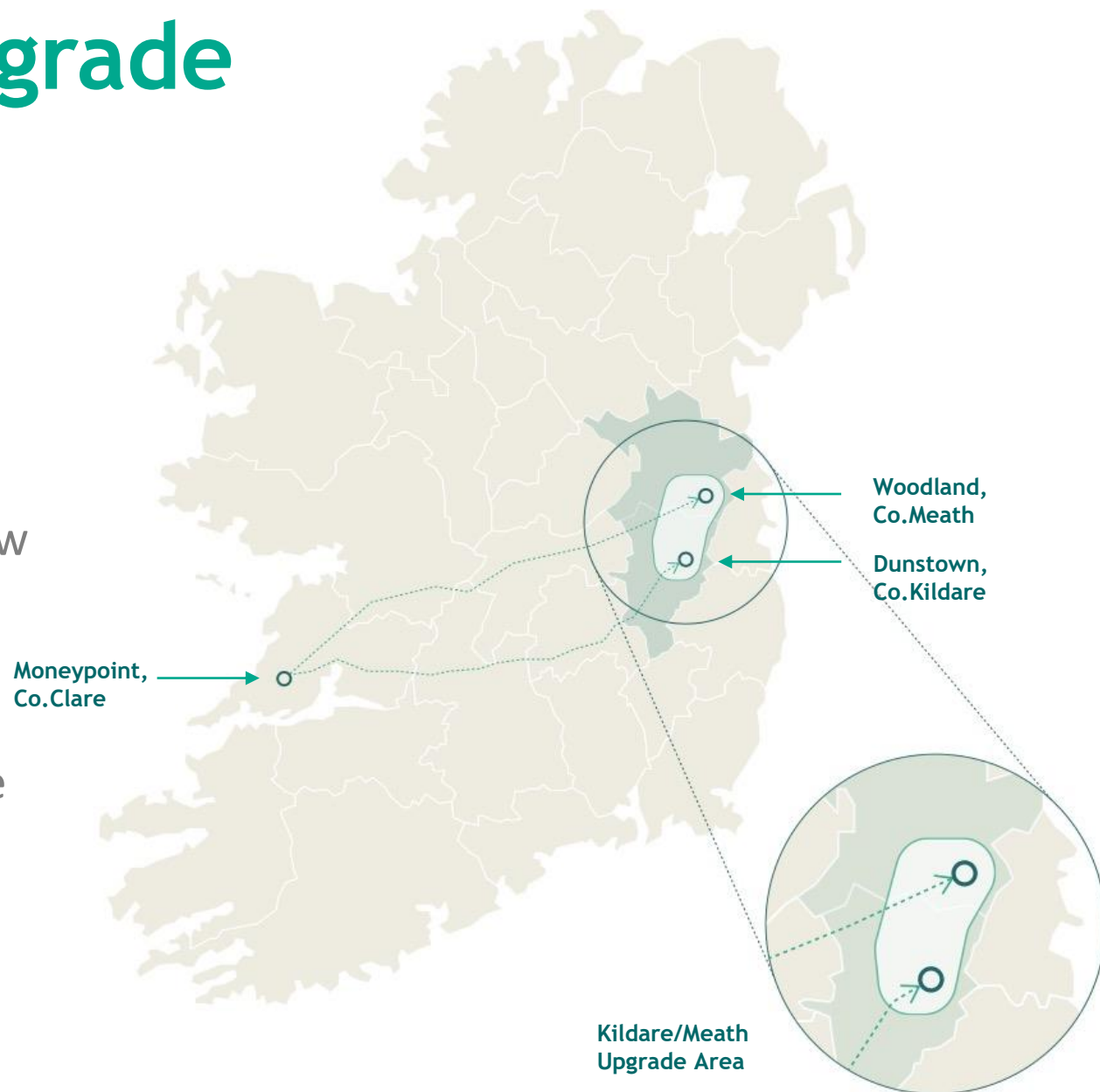


# Kildare Meath Grid Upgrade

Power is currently transported across the country on two 400 kV overhead lines from Moneypoint in Co. Clare to **Dunstown** substation in Co. Kildare and **Woodland** substation in Co. Meath.

The **Kildare-Meath Grid Upgrade** will add a new electrical connection between the two substations.

The upgrade will help to transfer and distribute power more efficiently.



# Kildare Meath Grid Upgrade

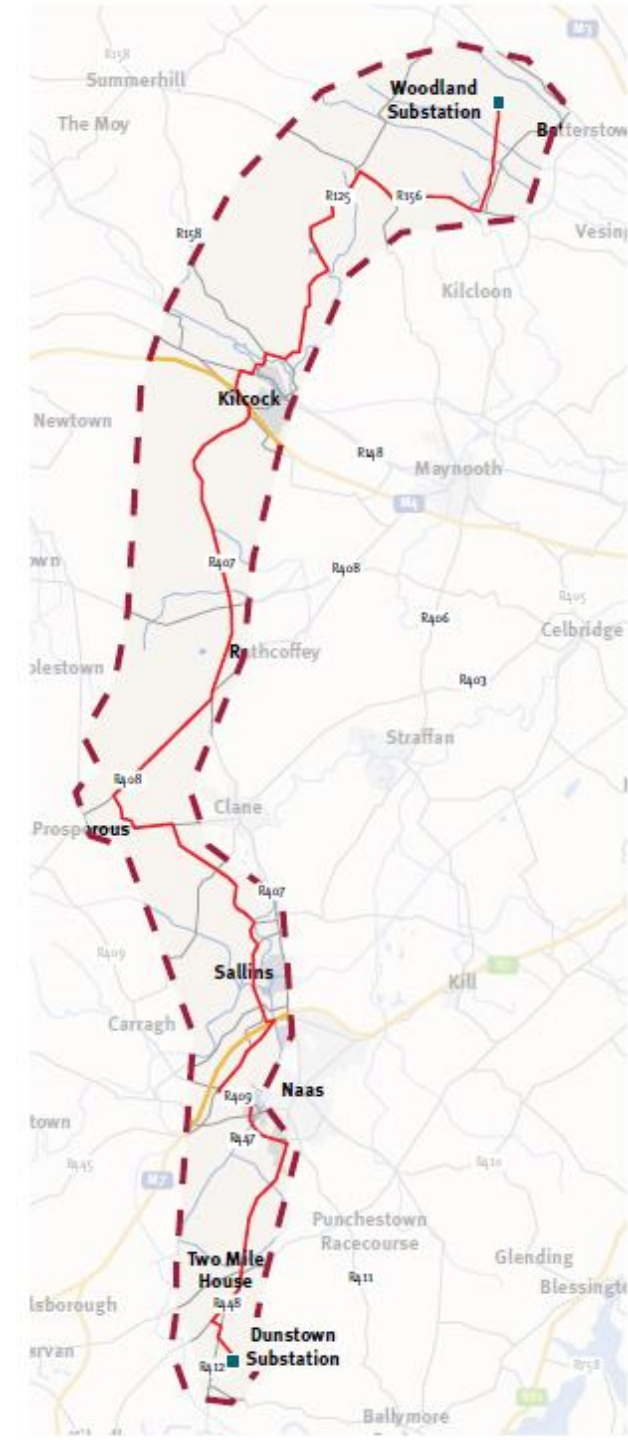
This project is now in Step 5 of our six-step approach to developing the electricity grid. Planning Application will be submitted in Spring 2023.

A community forum is in place for ongoing engagement.

## Key Statistics

Route Length	53km
Off-Road Sections	8km
River crossings	5: Rye Water, Royal Canal, River Liffey, Grand Canal, and other smaller watercourses
Other major crossings	4: Two railway and two motorway crossings
Construction duration	24 to 32 months*

\*This may change depending on further technical assessment



# What is the East Meath-North Dublin Grid Upgrade

A high-capacity 400 kV underground cable electricity connection between Belcamp Substation in Dublin and Woodland Substation in Meath.

We need to upgrade and strengthen the network to:

- Improve the transfer of power
- address the increased electricity demand
- reduce the use of and reliance on fossil fuels
- facilitate further development of renewable energy
- assist in achieving climate action targets

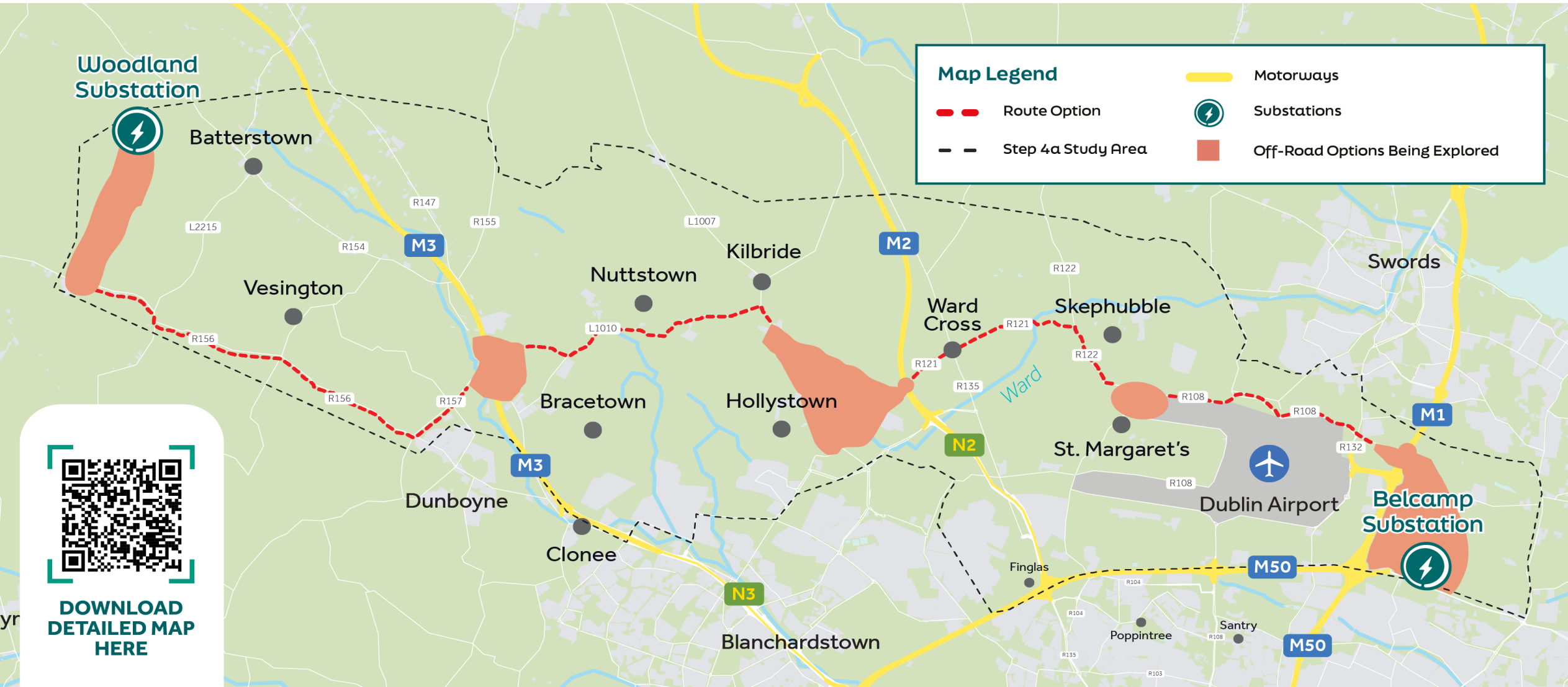


# The Emerging Best Performing Option

This route is approximately 37 kilometres in length with an estimated off-road section of 9 kilometres.

The majority of the route follows existing roads.

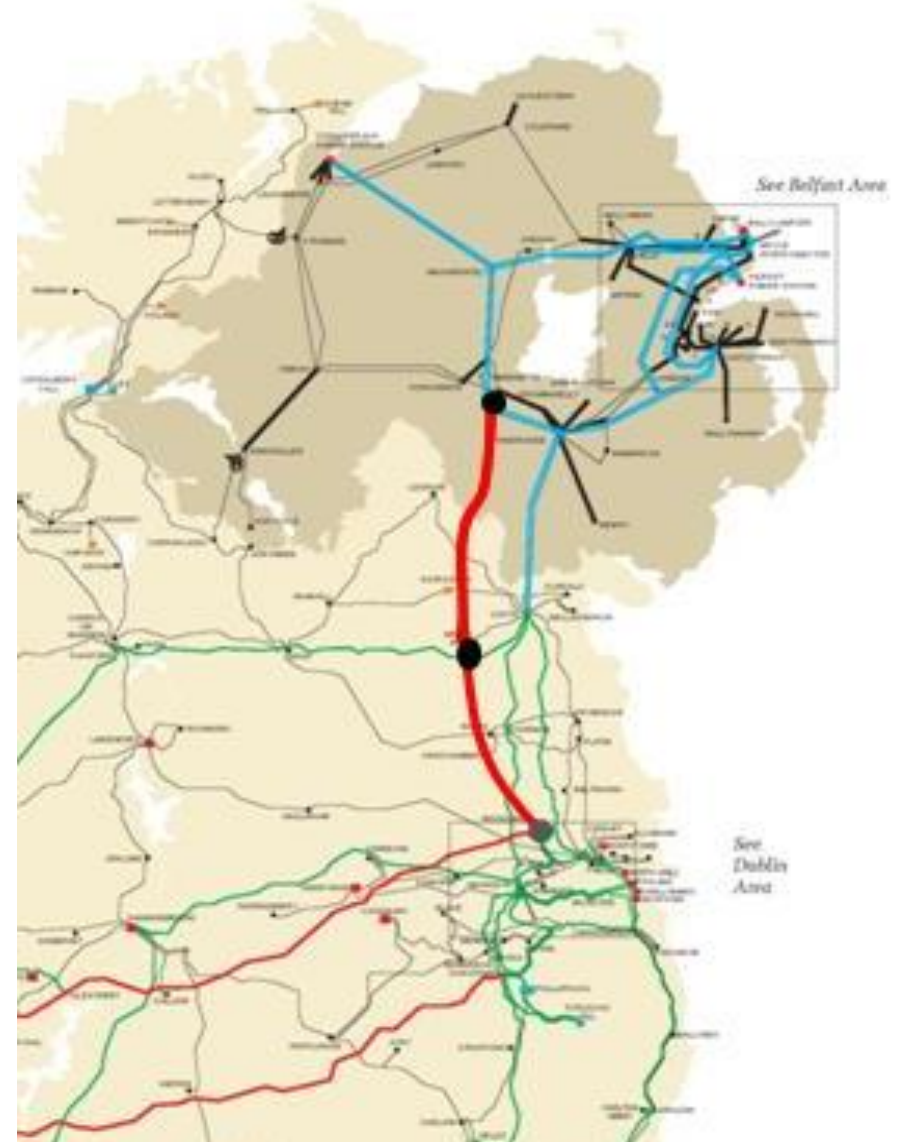
The wider bubble areas are off-road corridors where we are continuing to investigate an exact off-road route.



DOWNLOAD  
DETAILED MAP  
HERE

# North South Interconnector

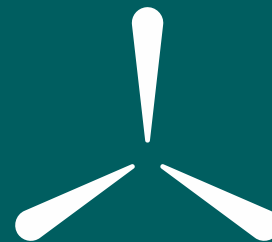
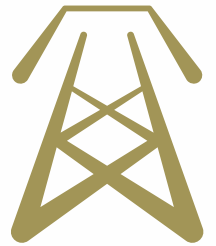
- This project will help to effectively eliminate constraint on cross border power transfers.
- Planning has been granted in both jurisdictions.
- Project Development Activities ongoing:
  - Onsite Surveys completed in 2022
  - ESB Procurement for Construction
  - Landowner Compensation Package
  - Public Engagement Approach
- Commence Substantive Public & Landowner Engagement to commence in September
- Construction will commence in 2024





# Summary

- Shaping Our Electricity Future Roadmap was published in November 2021.
- It provides a robust and deliverable plan for 2030 and ultimately towards a new zero carbon energy system by 2050
- To achieve renewable ambitions by 2030, significant network delivery will be required (existing projects, refurbishments, new projects)
- An update is due in the coming months to reflect new Government policy.



# Thank you

The Oval  
160 Shelbourne Road  
Ballsbridge  
Dublin 4  
D04 FW28

+353 (0)1 677 1700



# National Network, Local Connections

Gerry Noone, ESB Networks

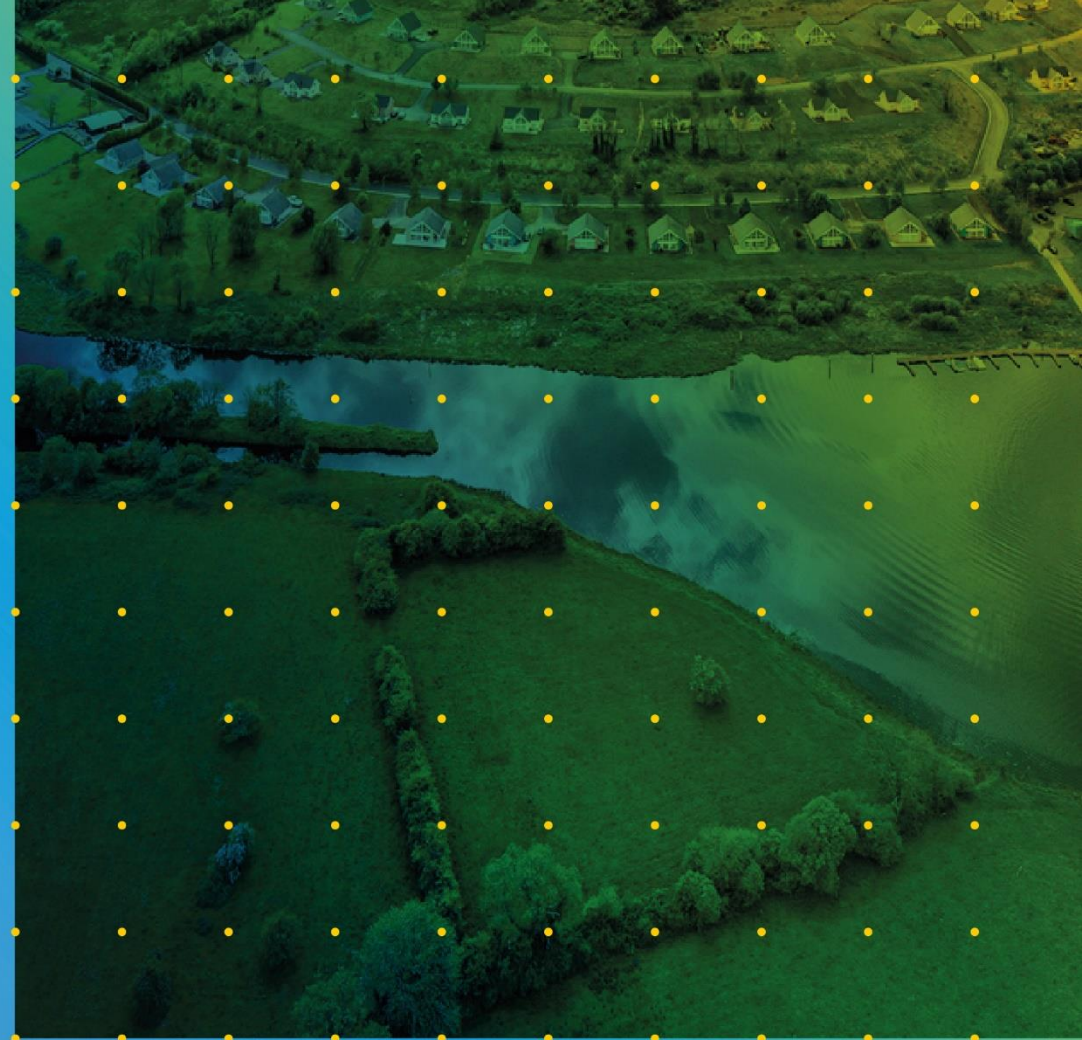




NETWORKS

# NATIONAL NETWORK LOCAL CONNECTIONS PROGRAMME

Meath Energy Citizens Roadshow May 4<sup>th</sup> 2023



## ESB Networks



We serve 2.4m Irish homes, farms businesses, as the company licensed to build, operate, maintain and develop the Irish electricity network.

Our countrywide staff of 3,000 people are proud to put every customer first, whatever the electricity supplier.



We build and operate the high, medium and low voltage electricity infrastructure, including distribution stations, overhead lines, poles and underground cables.

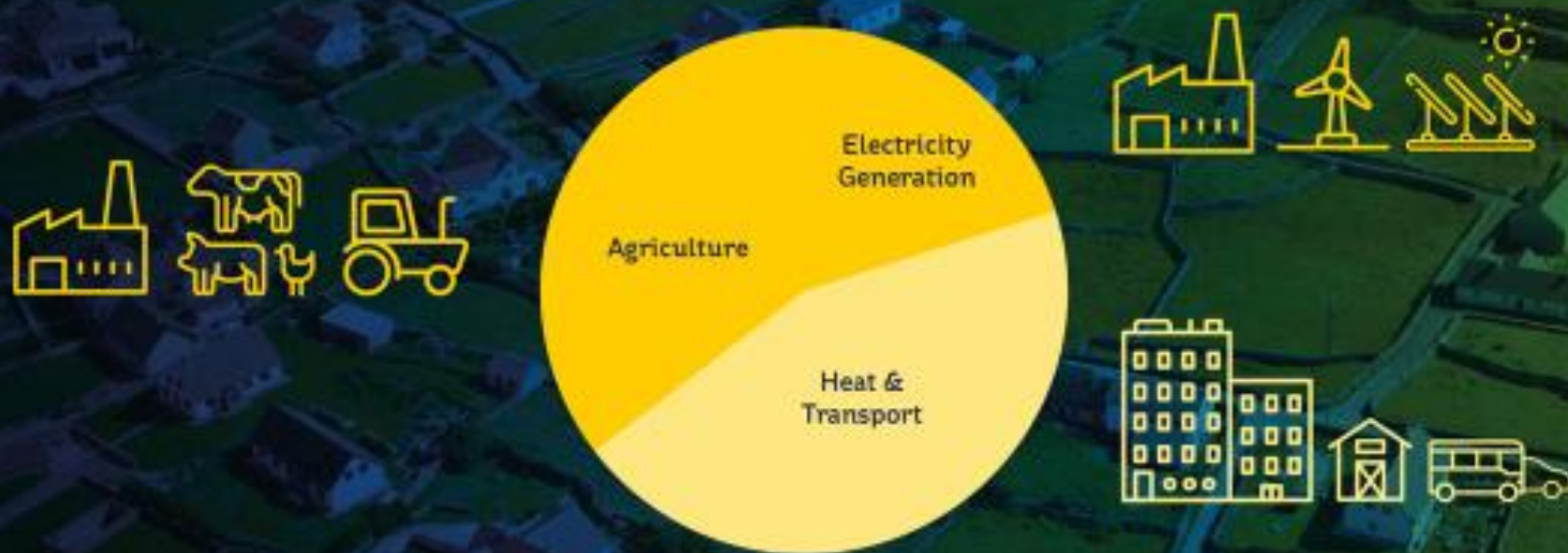
We are funded through 'use of system' charges billed to customers via all electricity suppliers. Our prices are set by the Commission for Regulation of Utilities.



SET THE SCENE

## Why ESB Networks National Network, Local Connections Programme?

### Ireland's Emissions



# THE NETWORK OF THE FUTURE (2030)

Today



High dependency on fossil fuels & imports

**40% renewable electricity**



Microgeneration  
Minigeneration  
Community wind & solar  
Electric transport  
Heating & home retrofits  
Social & economic growth

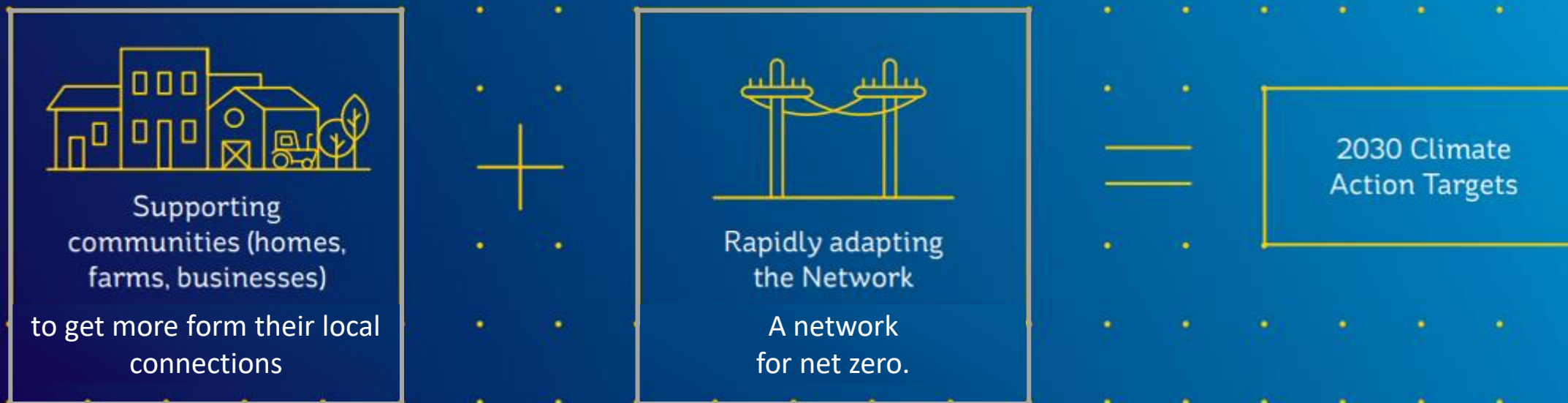
2030



More resilient, independent & sustainable.

**80% renewable electricity**

# WHAT IS NATIONAL NETWORK, LOCAL CONNECTIONS PROGRAMME - WHAT IS IT ALL ABOUT ?



NETWORKS

NATIONAL NETWORK, LOCAL CONNECTIONS PROGRAMME





What the studies  
are telling us!  
Why?



NETWORKS

NATIONAL NETWORK, LOCAL CONNECTIONS PROGRAMME

Micro-generation



ESB

NETWORKS

NATIONAL NETWORK, LOCAL CONNECTIONS PROGRAMME

## Mini-generation



ESB

NETWORKS

NATIONAL NETWORK, LOCAL CONNECTIONS PROGRAMME



NETWORKS

# The National Smart Metering Programme(NSMP)

Preparing our electricity network for the future



# What is the Smart Metering Programme?

A major meter replacement project and key element of the National Climate Action Plan, which will support Ireland's move to a clean electric future and will help Ireland to tackle climate change.

With 1.3 million smart meters installed the main Benefits are:

1. **Consumers** will be able to access the information they need to make more informed choices about their consumption and the best tariff option for them
2. The **Environment** will benefit because smart metering will encourage energy efficiency and support an increase in renewable power on the electricity system
3. The **Economy** will benefit because using smart meters will help us to more efficiently manage energy flow at times of high demand



# What's next?

## What happens when a customer gets a smart meter?

- There is no change to customers' electricity price plan following the installation of a smart meter.
- It takes 30 days for the new meter to establish its connection to our secure communications network.
- Once completed, the meter will then start sending us its readings automatically.
- With a smart meter customers can view their electricity usage through their **ESB Networks Online Account** at [esbnetworks.ie](https://esbnetworks.ie). This information can help customers to take more control of their electricity consumption.
- Smart meters also facilitate Time of Use (TOU) tariffs from electricity suppliers, which allow customers to shift some of their electricity use to times of the day when electricity is cheaper.
- To enquire about these or any other smart services, customers should contact their electricity supplier.



## The Home & Business of the Future

*"To meet the required level of emissions reduction, by 2030 we will...ensure that **20-30% of system demand is flexible by 2030**"*

- Rialtas na hÉireann,  
Government of Ireland  
November 2021



**Thank You!**

**ESB**

**NETWORKS**

NATIONAL NETWORK, LOCAL CONNECTIONS PROGRAMME



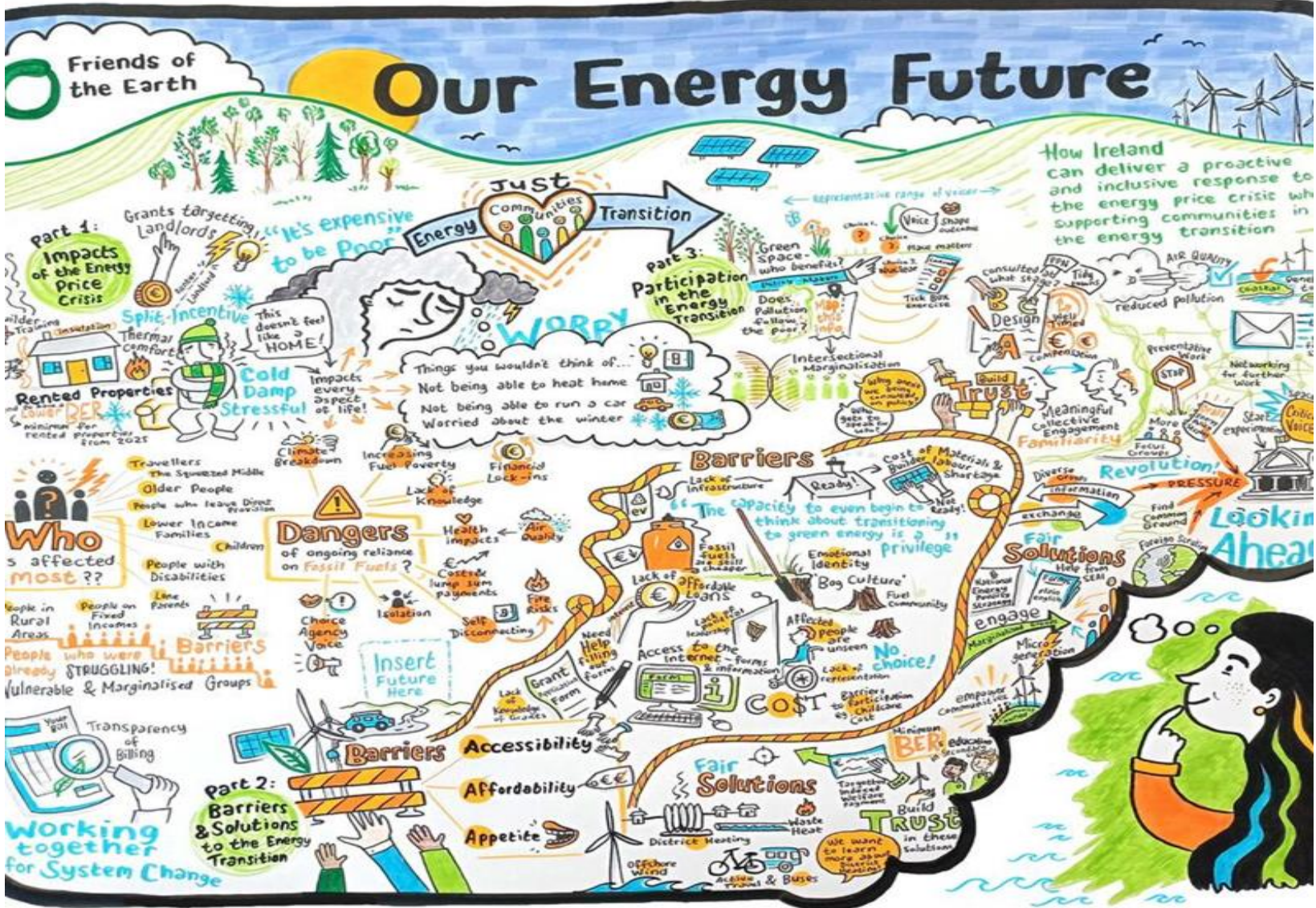
# SEAI Supports for Communities and Households

Emer Conway, SEAI



# Emer Conway Community Energy Mentor Meath





How Ireland can deliver a proactive and inclusive response to the energy price crisis while supporting communities in the energy transition

Part 1:  
Impacts  
of the Energy  
Price  
Crisis

Grants targeting Landlords  
*"It's expensive to be Poor"*  
Energy Transition  
Just Communities

Part 3:  
Participation  
in the Energy  
Transition

Who is affected most??

- Travellers
- The Squeezed Middle
- Older People
- People who leave Direct Provision
- Lower Income Families
- Children
- People with Disabilities
- People on Fixed Incomes
- People in Rural Areas
- People who were already STRUGGLING!
- Vulnerable & Marginalised Groups

**Dangers** of ongoing reliance on Fossil Fuels?

- Health impacts
- Air quality
- Fire Risks
- Costly lump sum payments
- Isolation
- Self Disconnecting
- Choice Agency Voice
- Intersecting Marginalisation
- Financial Lock-ins
- Lack of Knowledge
- Increasing Fuel Poverty
- Climate Breakdown

**Barriers**

- Lack of Infrastructure
- Fossil fuels are still cheaper
- Lack of Affordable Loans
- Lack of Knowledge
- Emotional Identity
- Boyculture
- Affected People are invisible
- Barriers to participation to facilitate cost
- Access to the internet - forums & information
- Lack of representation
- Need Help filling out forms
- Grant Application Form
- Lack of Knowledge of Grants
- Cost of Building Materials & Shortage
- Not Ready!
- Ready!
- The capacity to even begin to think about transitioning to green energy is a privilege
- Engage
- National Energy Assets Strategy
- Micro-generation

Fair Solutions

- District Heating
- Waste Heat
- Off-shore Wind
- Local Buses
- Fair Solutions
- Accessibility
- Affordability
- Appetite
- Build Trust in these Solutions
- Engage

Part 2:  
Barriers & Solutions  
to the Energy  
Transition

Working together for System Change



# Creating a Cleaner Energy Future

## Climate Action Plan set out to significantly reduce Ireland's greenhouse gas emissions by 2030

- 500,000 existing homes upgrade to a B2 BER rating
- 600,000 heat pump installations, with 400,000 to be installed in existing homes
- 50% of houses in Ireland have a BER rating of D or lower and require significant energy upgrades
- To date SEAI has supported over 450,000 homes with their home energy upgrade journey



# Home Energy Upgrade

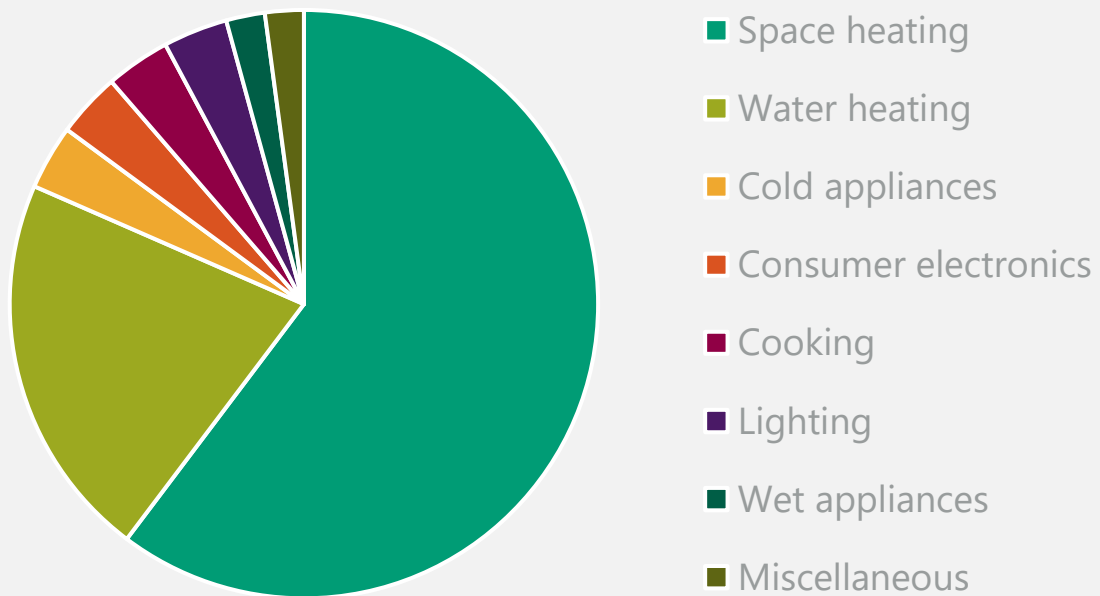
Upgrade your home to be more energy efficient and discover a new world of comfort!



# Home Heat Loss and Energy Use

**Houses account for a quarter of all energy consumption in Ireland**

**Heating accounts for 80% of your home energy**



# Home Heat Loss and Energy Use

Where you lose energy in your home...



# Benefits of a Home Energy Upgrade



## Comfort

Enjoy a warmer, cosier and healthier home by upgrading your insulation and adding renewables



## Savings

Save on energy bills by using less energy and adding renewable energy to your home



## Environment

Reduce your emissions and your carbon footprint with an energy efficient B2 home



## Value

Increase the value of your property by upgrading your home to a B2 rating or higher

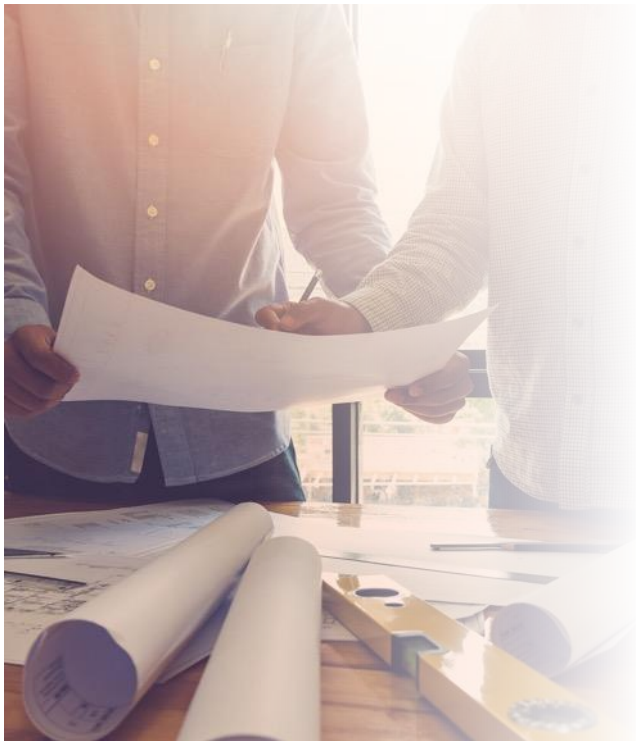




# Three Steps to a Home Energy Upgrade

Maximise the comfort and savings of your home with these 3 steps to a home energy upgrade

## 1. Assess



## 2. Insulate



## 3. Add Renewables





## 1. Assess

- Don't know where to start? Get a BER assessment of your home
- It will provide you with a roadmap to achieving a minimum B2 BER energy rating
- You will find a list of registered BER Assessors on the SEAI website: [www.seai.ie](http://www.seai.ie)



## 2. Insulate

- The next step is to insulate your home and keep your valuable heat in!
- You may also need to replace old windows and doors to improve insulation
- SEAI offers homeowners insulation grants ranging from up to €1,500 for attic insulation up to €8,000 for external wall insulation



### 3. Add Renewables

- Once your home is well insulated you should then consider adding renewable technologies
- Heat pump systems – a highly efficient alternative heating system to fossil fuel oil or gas boilers
- Solar PV – save between €200 - €300 per year on your domestic electricity bill
- Solar thermal systems – designed to meet 50-60% of hot water requirement
- SEAI offers renewable grants of €6,500 for heat pumps, up to €2,400 for Solar PV and €1,200 for solar thermal.

# Compare your Home Energy Upgrade Options

## Free Energy Upgrade

- For qualifying homeowners in receipt of certain welfare payments
- Fully funded by SEAI
- This service is managed by SEAI
- Home survey
- Contractor selection
- Contractor works
- Follow up BER

## One Stop Shop Service

- Complete home energy upgrade solution
- Part funded by SEAI
- One Stop Shop fully managed solution including grant application
- Multiple energy upgrades
- Pay for works net of eligible grant
- Minimum number of energy upgrades and achieve a min B2

## Individual Energy Upgrades

- Selection of individual grants for home energy upgrades
- Part funded by SEAI
- Homeowner manages their own energy upgrade project
- Contractor selection
- Grant application
- Contractor works
- Pays for works and then claims grant back

# Home Energy Upgrade Grants

	Free Energy Upgrade	One Stop Shop Service	Individual Energy Upgrade
Home energy assessment	✓	✓	
Project management		✓	
Wall and roof insulation	✓	✓	✓
Floor insulation		✓	
Windows	✓	✓	
Heating controls	✓	✓	✓
Heat pump systems	✓	✓	✓
Solar water heating		✓	✓
Solar electricity		✓	✓
Ventilation	✓	✓	
BER assessment	✓	✓	✓

# Free Energy Upgrades

- Delivering free energy upgrades to qualifying homeowners who are in receipt of one of the following:
  - Fuel Allowance
  - One parent family payment
  - Family income supplement
  - Domiciliary care allowance
  - Jobseeker's allowance > 6 months & child under 7
  - Carer's allowance and lives with the person being cared for
- Fully funded and fully managed by SEAI through a panel of contractors
- Carry out a Home Assessment to determine the upgrades needed
- Assign a contractor to complete works
- Carry out a follow up BER
- Homes must be built and occupied before 2006 to be eligible

# One Stop Shop Service

- A complete home energy upgrade solution for homeowners and landlords
- Supports multiple energy upgrades in one go to achieve a minimum B2 BER rating
- Offers a wider range of grants offering up to 50% of the cost of works
- To pay for the works net of the eligible grant
- Fully managed solution from start to finish;
  - Home Energy Assessment
  - Contractor works
  - Grant application
  - Follow up BER
- To carry out a minimum number of energy upgrades and achieve a minimum B2 BER
- Homes must be built and occupied before 2011 to be eligible
- Choose from the list of registered one stop shops on the SEAI website: [www.seai.ie](http://www.seai.ie)



# Individual Energy Upgrade

- For homeowners and landlords who want to manage their own project
- Range of individual energy upgrade grants for insulation, heating and renewable technologies covering up to 50% of the cost of works
- Manage the grant application and works themselves
- Pay for the cost of works and claim the grant afterwards
- How to apply:
  - Choose your energy upgrade and grant
  - Select your SEAI registered contractor
  - Submit your grant application – must have grant approval before works commence
  - Get works done – 8 months to complete works and claim grant from date of approval
  - Submit you grant payment request – 4 to 6 weeks for payment
- Homes must be built and occupied before 2011 for insulation and heating controls, and before 2021 for renewable systems

# Communities Grant

**Assisting energy efficiency community projects through capital funding, partnerships, and technical support.**

- Community oriented with a cross-sectoral approach, and you must show that you can sustainably finance the proposed project
- Encouraging smaller projects from €50k to large projects up to €5m
- Grant values range from 35%, to 80% for fuel poor homes
- 2020: Delivered 25 projects with funding of €18.5m. Upgraded 656 residential buildings to a minimum B2 rating and upgraded 240 non-residential



# Community energy



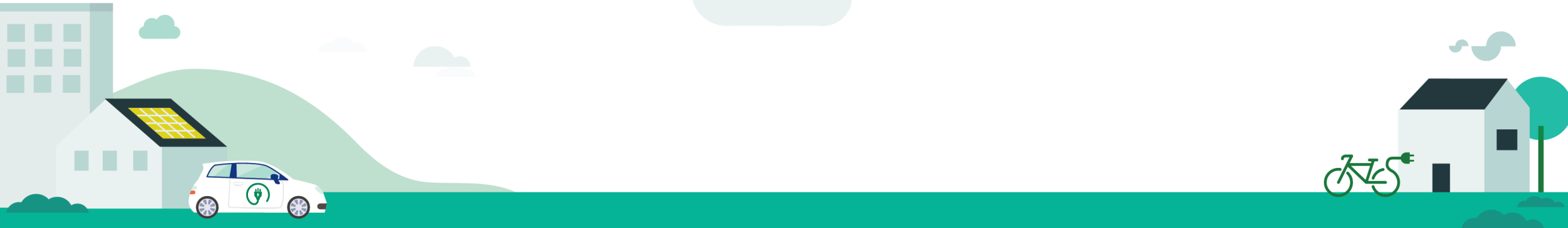
# Sustainable Energy Community

**A community that works together to develop a sustainable energy system for the benefit of the community**

- Aiming to be as energy efficient as possible;
- Use renewable energy where feasible;
- Consider smart energy solutions

**It can be as small as a street or as large as a county or region**

Communities of active energy citizens will lead the societal transformation to a low carbon future



# Benefits of Sustainable Communities



Changing our energy use creates one of the biggest impacts for sustainability and the environment. Acting together means this impact goes even further



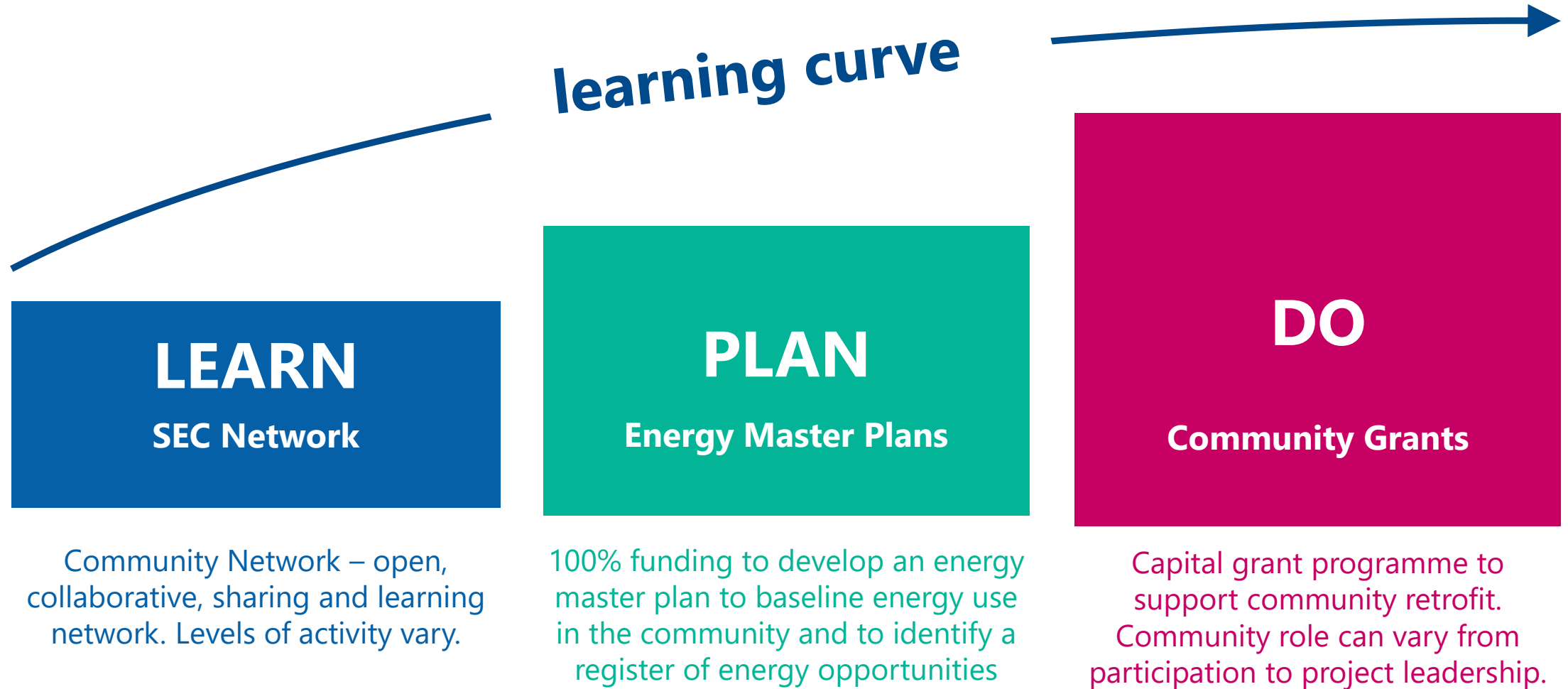
We can reduce energy bills in the community by doing local energy projects. This means we free up more money to spend in the community in the longer term.



Community energy projects mean warmer, healthier homes and community buildings. It improves quality of life, especially for the vulnerable in the community.



# Community Journey



# ALMOST 700 COMMUNITIES

Part of SEAI's Sustainable Energy Communities Network



MORE THAN

**35,000**

CITIZENS ENGAGED

**90** ENERGY MASTERPLANS COMPLETED

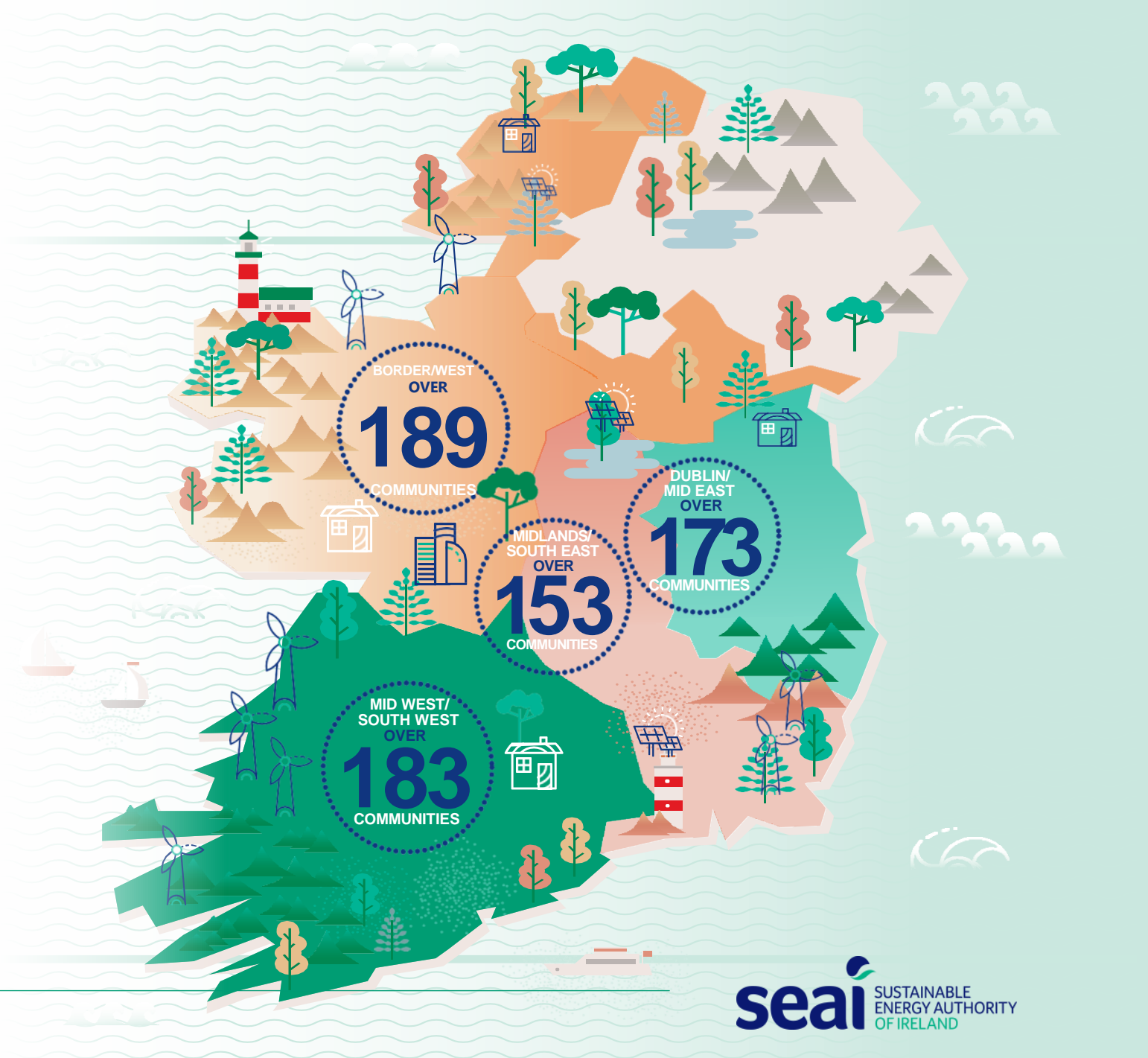


**80**

COMMUNITIES

Are currently working on their Energy Master Plans

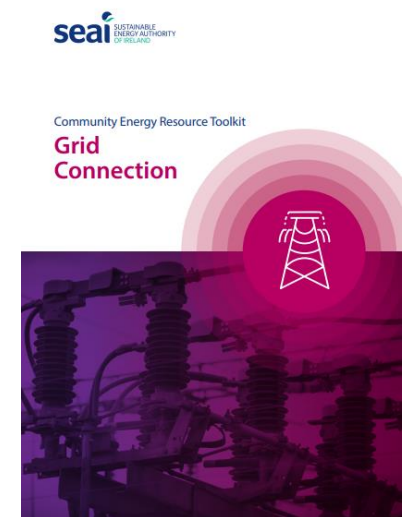
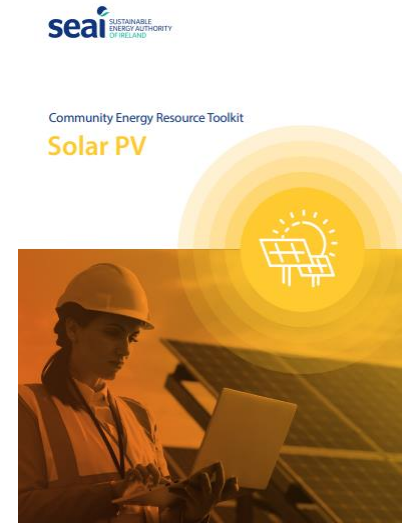
↓ Find out more at [www.seai.ie/sec](http://www.seai.ie/sec)



# Renewable Energy Support Scheme

## New Government scheme to support the development of renewable electricity projects in Ireland

- A dedicated Community strand – for those who want to generate renewable power
- SEAI is offering support. We will help you navigate your way through the journey
  - Expert support
  - Financial support
  - Information [toolkit](#)
- Further details email: [communityress@seai.ie](mailto:communityress@seai.ie)



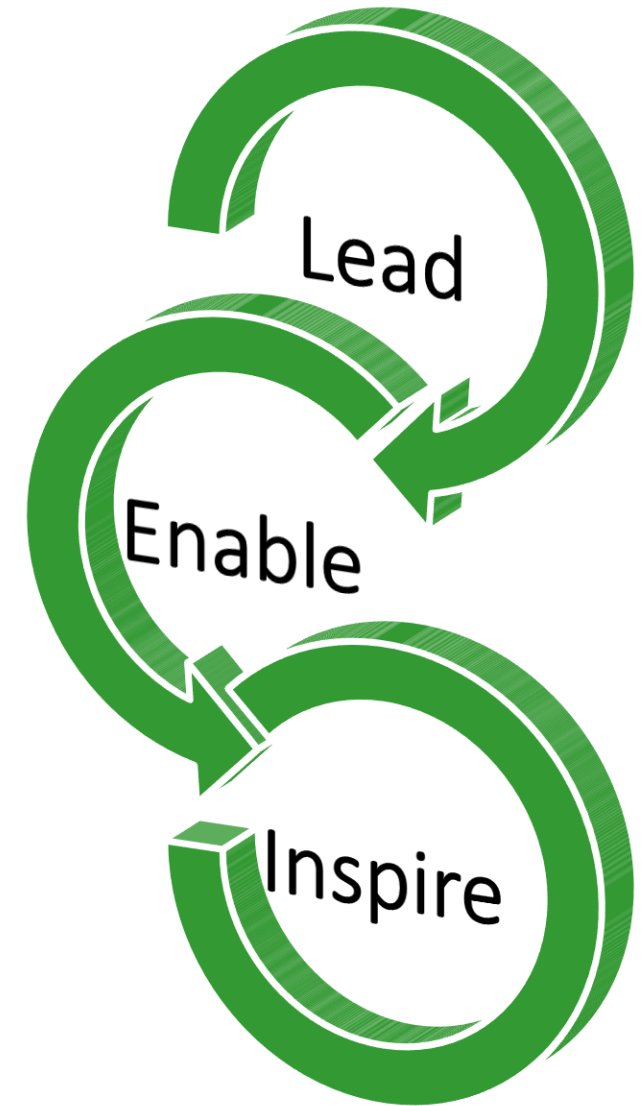


# Local opportunities

Mary D'Arcy, Meath County Council



# Climate Action Meath County Council



# Making Meath Climate Ready

## **LEAD** - taking action ourselves within and by the Organisation

Deliver on climate action within MCC's remit: including our own buildings, infrastructure, systems, operations and staff.

Build resilience to the negative impacts of climate change, within the organisation, through the range of services and functions provided.

## **ENABLE** - support others to deliver

Enable, facilitate and support sectors, business, communities and individuals, in the delivery of local climate actions.

Co-ordinate efforts with all stakeholders e.g. communities and businesses on local climate actions.

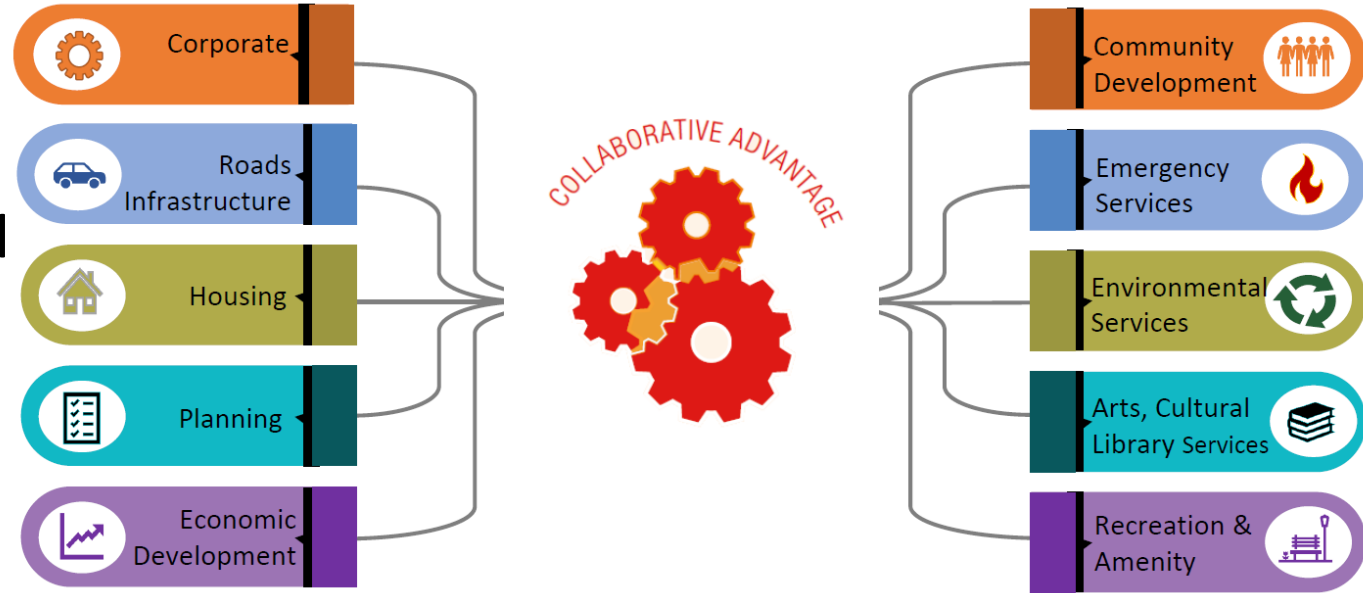
Co-ordinate efforts with all stakeholders to maximise effects and creating interactions.

## **INSPIRE** - others to take action

Increase awareness, communication and engage in open dialogues on climate related issues and responses.

# Meath County Council Supports

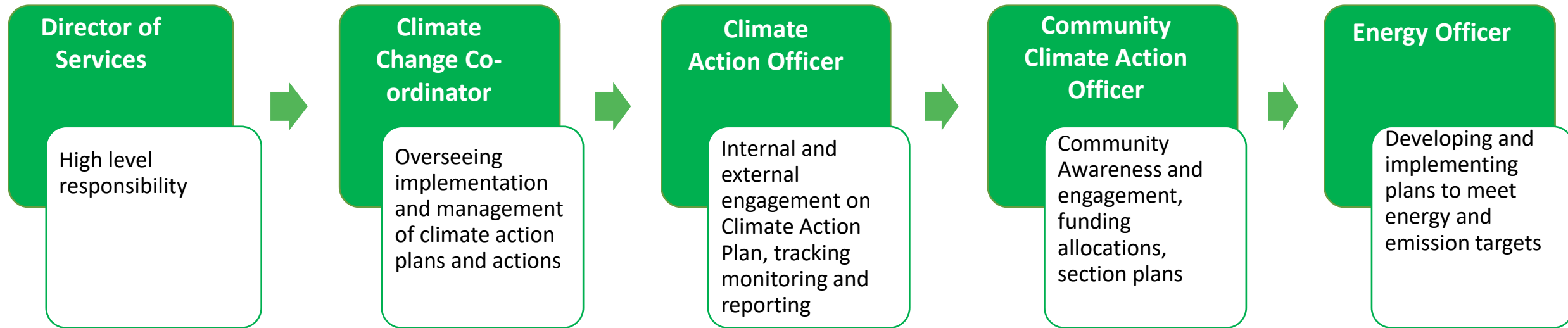
Meath County Council declared a climate and biodiversity emergency in 2019 and signed the Climate Charter that year also. Through the charter, Meath County Council made a commitment to lead by transforming how it operates and also engage community action across County Meath.



Climate action within MCC is a multi-disciplinary approach across all sections and functions in advancing climate adaptation and mitigation action.

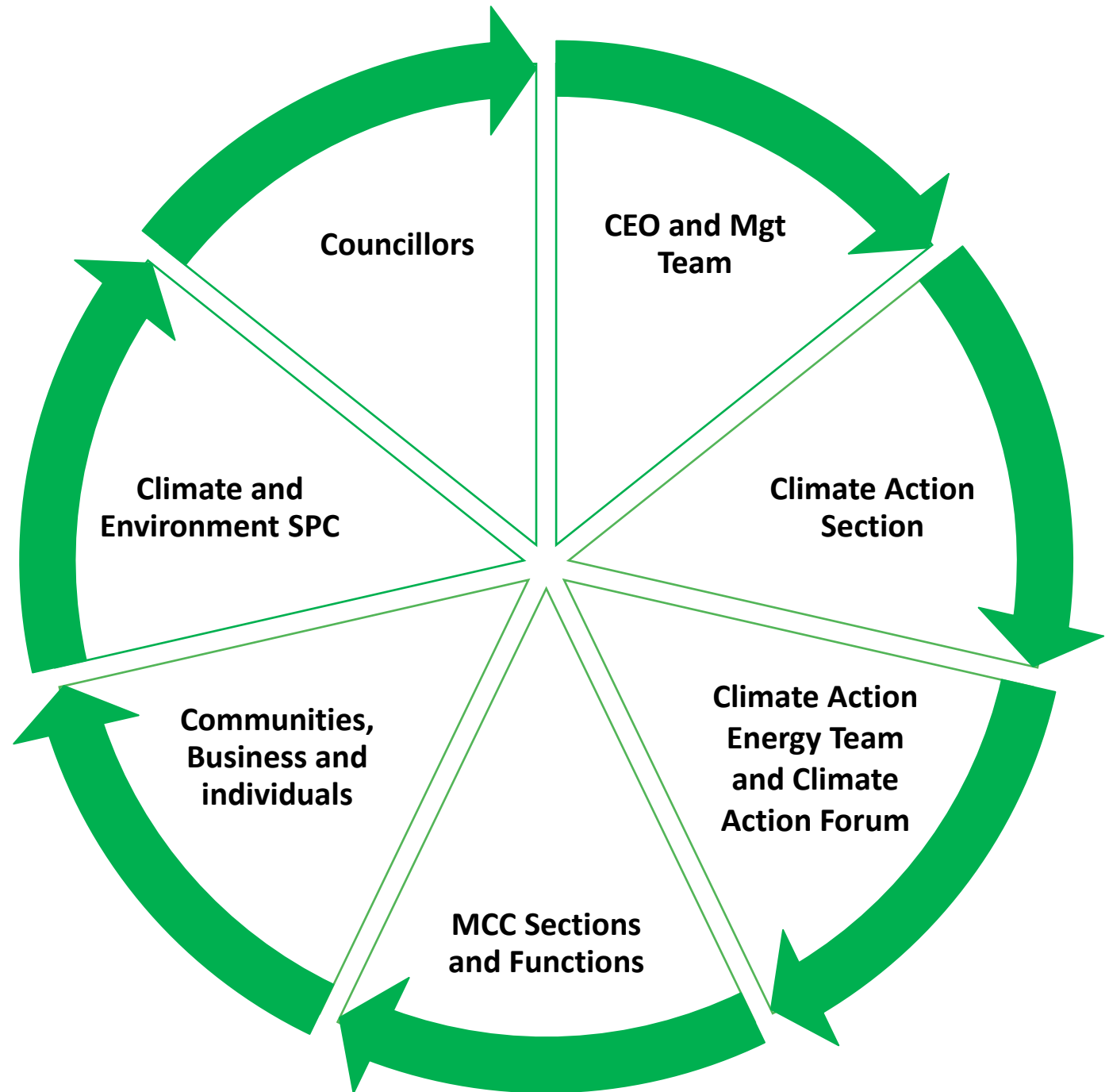
# Meath County Council Supports

Supporting the co-ordination and monitoring of progress to achieving our targets internally and supporting climate action at a local level is the Climate Action Section which is led by Director of Services.



# Supports and Networks

Working together  
making Meath  
a Climate Ready County



# Meath County Council Programme examples

## GAA Green Clubs – Phase 2

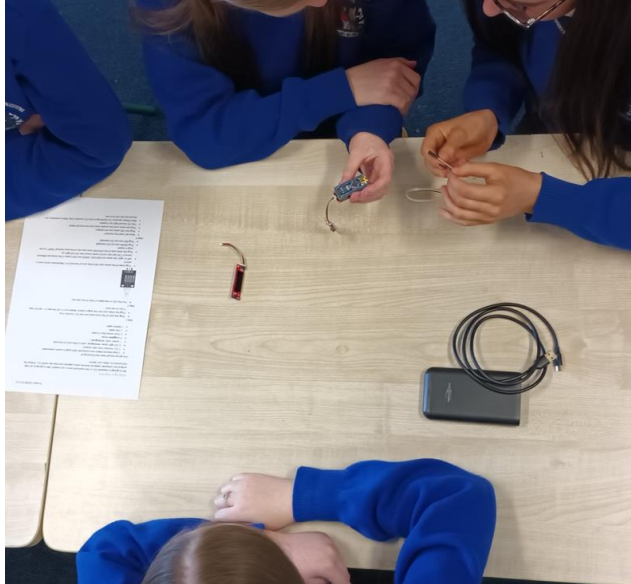
- The purpose of the GAA Green Clubs is to support and facilitate GAA Clubs in implementing simple and effective sustainability actions around 5 themes:



- The programme includes a GAA Green Clubs Toolkit which contains resources, advice and guidance, tailored especially for GAA clubs and members
- The nominated staff member for Meath County Council is the Community Climate Action Officer

### Role of Local Authority Points of Contacts

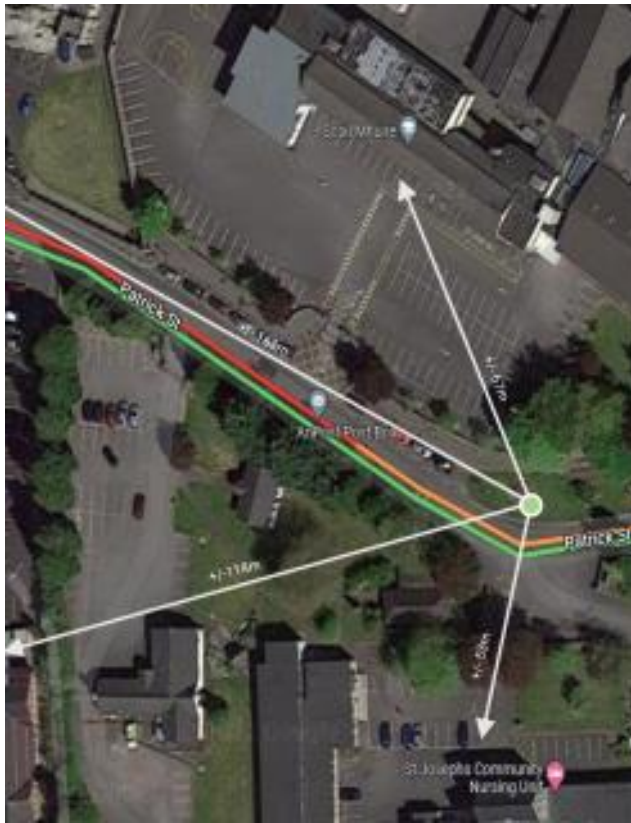
- First point of contact, within the local authority for the GAA Green Clubs
- Provide advice/guidance to the clubs based on role, expertise & experience
- Direct the clubs to other experts within the local authority based on the advise sought.



## Trim Air Quality Project

Project funded by the Department of Rural & Community Development's Digital Innovation Fund.

Two (2No.) air sensors have been installed in Trim and a dashboard is currently under development to provide real-time data from the sensors to the general public.



We have initiated the social impact aspect to this project by involving school children in the project and wider communication in the project by running workshops on building an air monitor.

Once the dashboard is fully developed and accessible, we will run further information sessions.



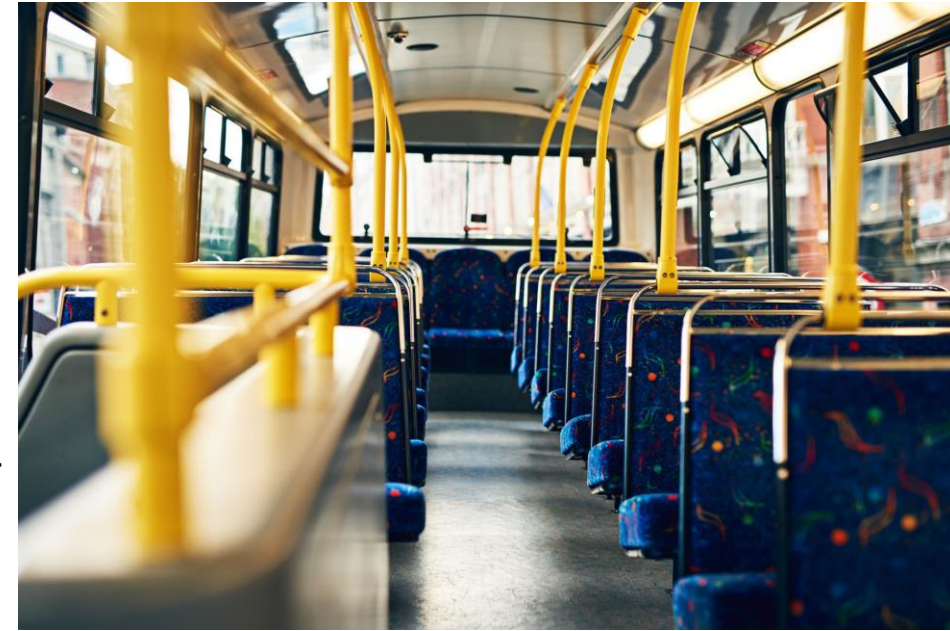
# Pathfinder – BusIt2School Project

## Aim of Project:

- Encourage schoolchildren who are normally driven to school to use the Navan Town Bus Network to travel to school.

## Project Approach:

- A collaborative community based-approach will be undertaken with school boards, teachers, parents, students, NTA, Bus Eireann and An Taisce to deliver the project.



## Project Outline:

- Free leap cards will be provided to the participants for the duration of the trial
- The champions will then be encouraged to buddy up with other students to show them how to use public transport
- Develop a guide for parents on using public transport

## Desired Impacts / Outcomes:

- Increased number of students using public transport to travel to school
- Promote road safety and personal safety
- Building confidence in students & parents in public transport use

## LOCALISING THE SUSTAINABLE DEVELOPMENT GOALS IN TRIM, IRELAND



## URBACT Integrated Action Plan

- The URBACT IAP was completed on 31<sup>st</sup> Jan, 2023
- It contains 23 actions which aim to localize Sustainable Development Goals in Trim.
- The launch coincided with the enactment of the first action within the IAP – The Elder Tree Project
- The Elder Tree Project aims to plant one native tree/shrub for every citizen in Trim (10,000 trees approx.) over a 10 year period.



# MCC Energy Use

- Our Energy Policy demonstrates the MCC's commitment, and it is aligned with the objectives set within the Climate Action Charter and Plan.
- Meath County Council recognises its responsibility to optimise its energy usage and to reduce energy waste. We are in the process of implementing an International Standard of best practice for Energy Management, ISO 50001.

## Energy Policy

Meath County Council recognises its responsibility to optimise its energy usage and to reduce energy waste. This policy is aligned with the objectives of Meath County Council's Climate Action Plan.

Management will lead and promote energy efficiency programmes, ensuring that the policy is appropriate the nature and scale of the Organisation's energy use and consumption. The scope of the energy management system includes all energy sources used for council operational and service activities within the county of Meath.

Meath County Council's Energy Team is responsible for ensuring the implementation and maintenance of the Energy Management System and will report to the CEO on Energy related matters. Effective communication, consultation, and participation will be undertaken with our employees and other interested parties in relation to continual improvement.

Meath County Council is committed to conducting all service activities in an energy efficient manner and is committed to complying with all relevant legislation and regulations with respect to energy. The Organisation is committed to complying with the requirements and best practice of an ISO 50001 energy management system as part of its everyday activities.

The Organisation is committed to continual improvement and has set itself energy targets and objectives. The targets and objectives established are designed to ensure that the Organisation moves towards improvement in efficient energy utilisation and reaches the public sector 50% energy efficiency target by 2030, and 51% reduction in carbon emissions by 2030. Management will ensure the availability of the necessary information and resources to achieve these targets.

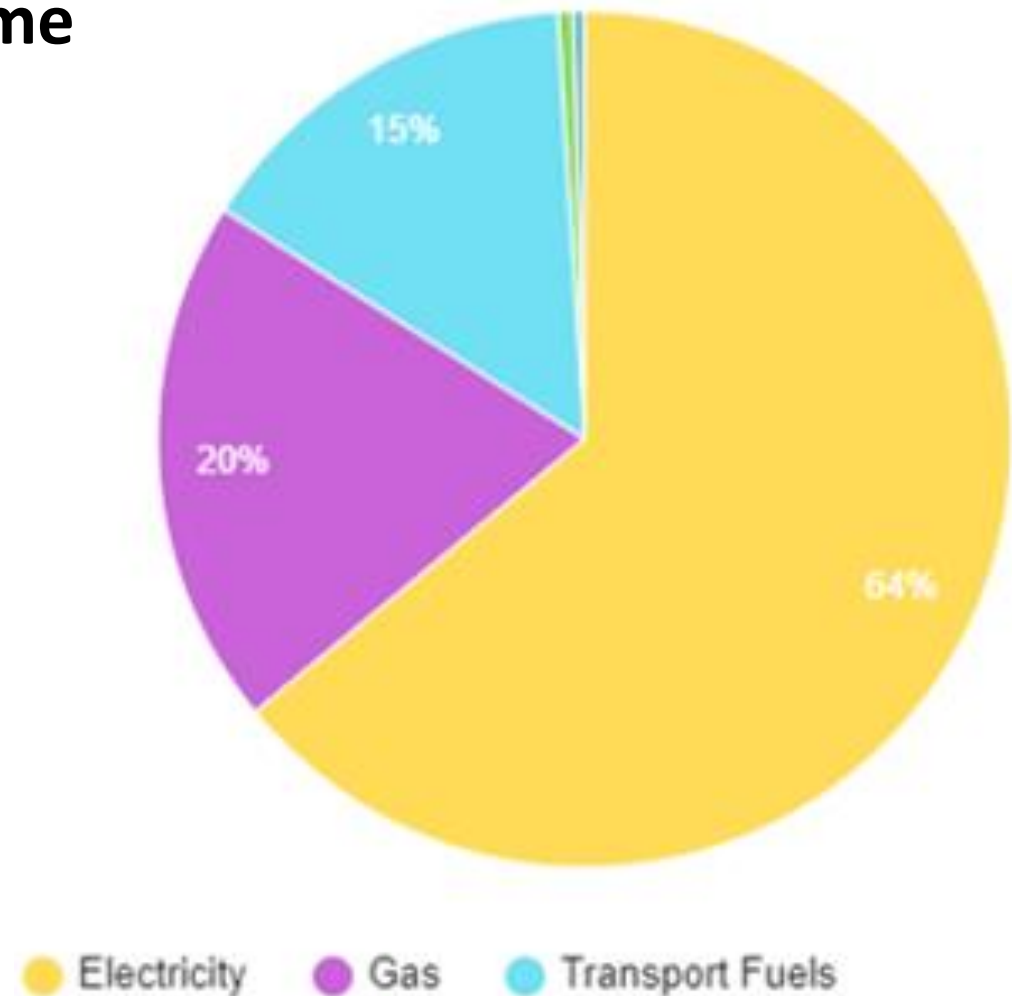
A framework of targets, objectives and monitoring is established to cover all areas of Meath County Council activities and will be reviewed on an annual basis. Meath County Council supports the purchase of energy efficient products and services and design activities for energy performance improvement.

The Energy Policy is communicated to all persons who work for, or on behalf of, the Organisation and is readily available to the public on request. It will be updated as necessary and reviewed regularly.

Signed by MCC Management Team	Jackie Maguire, Chief Executive			
	Dara McGowan Director of Service		Martin Murray Director of Service	
	Fiona Lawless Head of Finance		Des Foley Director of Service	
	Barry Lynch Director of Service			

## Electricity – Increased Demand to Come

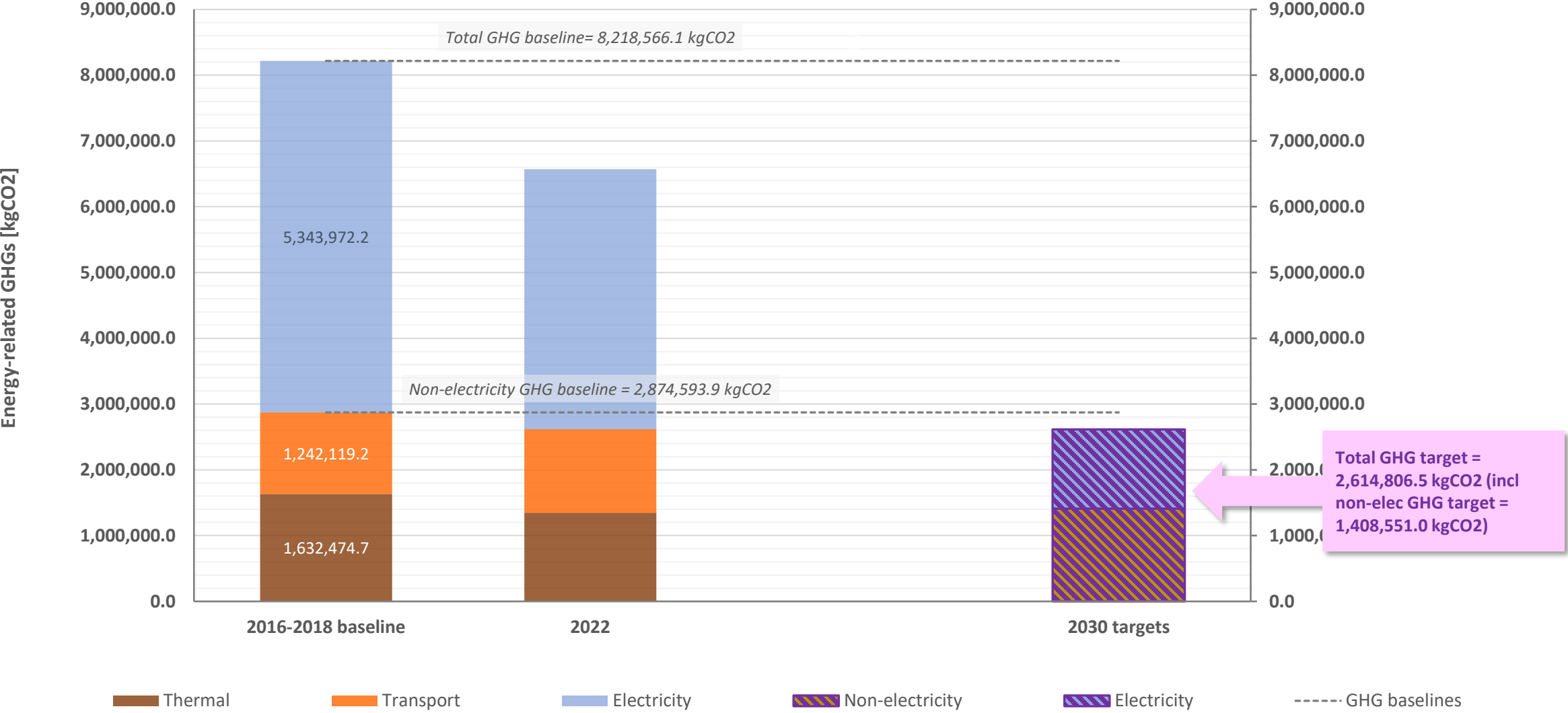
- To reach our 2030 public sector targets and reduce our carbon emissions there is a need to change the way we use fossil intensive fuels.
- Heating our buildings
- Transport operations
- Fleet



**2022 Energy Consumption**

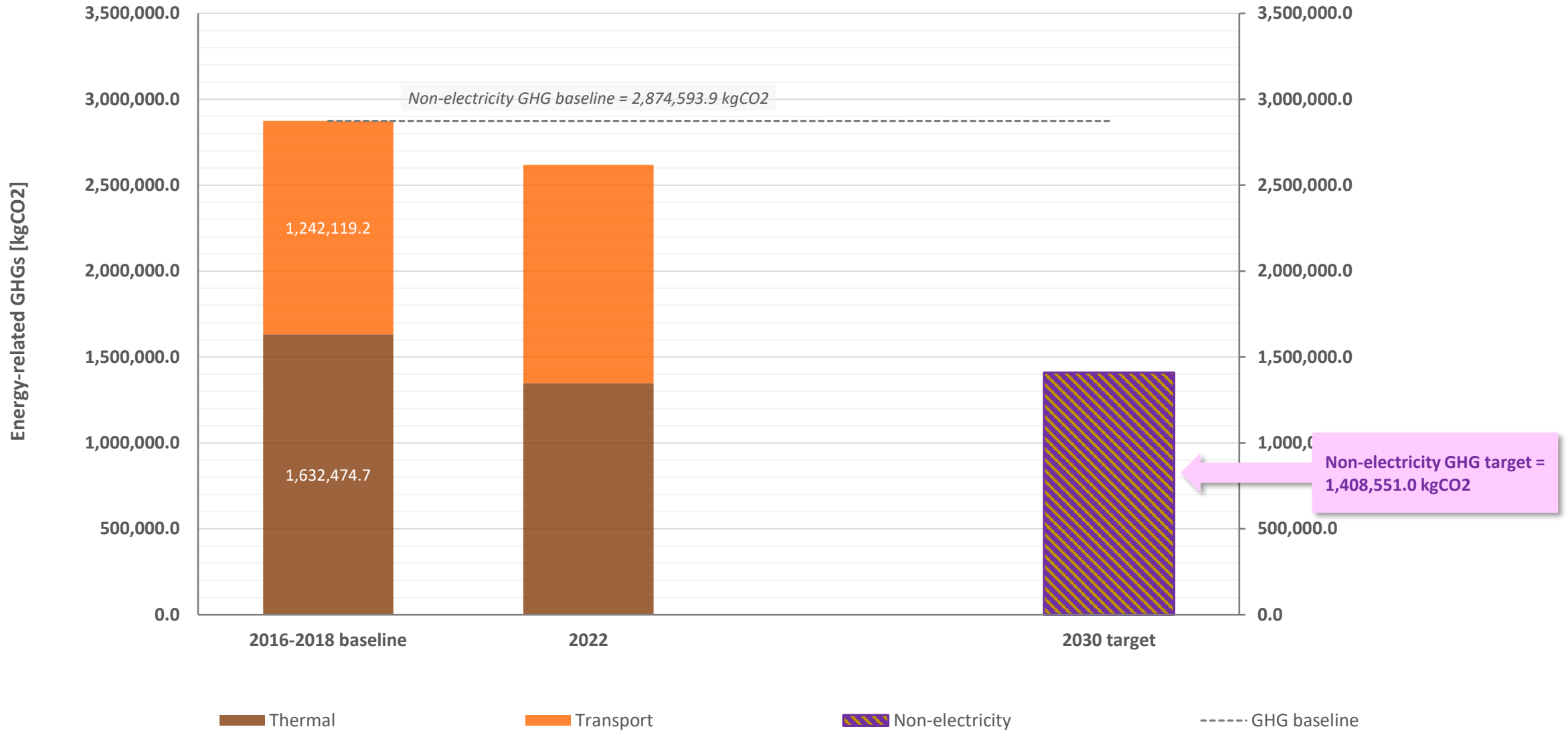
# Meeting our CO<sub>2</sub> targets

Total GHG target | Meath County Council



# Meeting our CO<sub>2</sub> targets – Heat and Transport

Non-electricity GHG target | Meath County Council



# Energy Programme examples

## Alternative Fuels – HVO

**90% reduction in carbon emissions**

Meath County Council have begun a trial using Renewable BioFuel on several fleet vehicles throughout our services.

This fuel is made entirely from waste and delivers a 90% reduction in carbon emissions compared to fossil diesel.

The trial will last for approximately 4 months.



**Energy Audits** have been completed on out buildings and Sufficient Energy Users (SEUs) identified, a programme of energy improvements is currently being developed for implementation.

**Display Energy Certificates** Annual certificate for all publicly accessed Council buildings over 250m<sup>2</sup> have been completed.

**EV Vehicles** are being introduced where feasible Library Van and 2 Environment Vans.

**Energy Awareness – Internally and to the wider Community** we are participating with the Reduce Your Use Campaign and running awareness programmes e.g. energy expo, Home Energy Kits are available in our libraries, quick wins energy saving tips

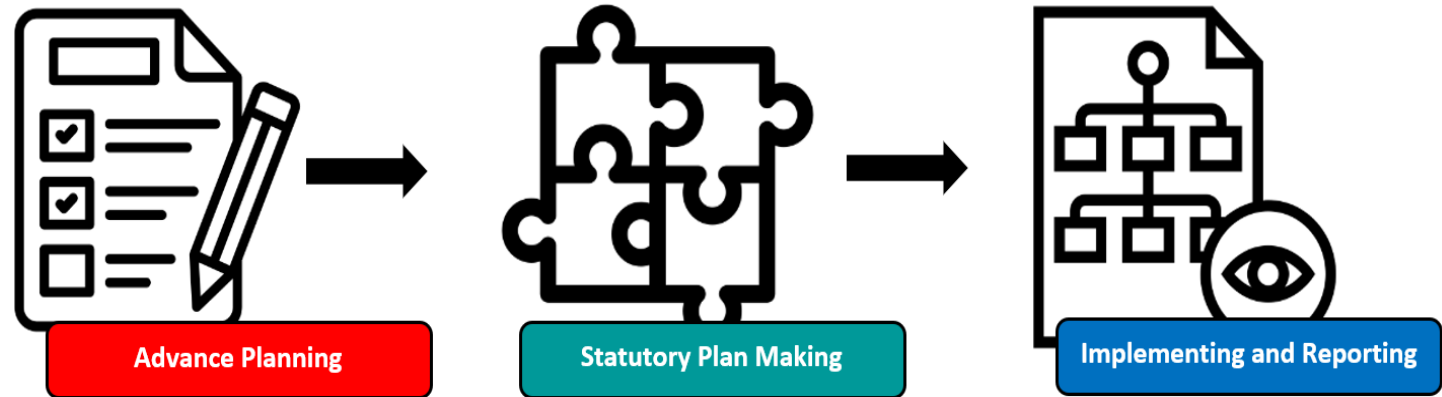


# Meath County Council Climate Action Plan

The aim of the plan is to address the mitigation of greenhouse gas emissions, climate change adaptation, and to strengthen alignment to national climate policy and the delivery of local climate action by setting actions and programmes to achieve our targets.

The updated Climate Action Plan will include the following:

- Climate Change Risk Assessment for County Meath
- Climate Mitigation Assessment County Wide
- Climate Mitigation Assessment Decarbonisation (9 towns - Kells, Ratoath, Dunshaughlin, Trim, Navan, Dunboyne, Ashbourne, Duleek, Laytown/Bettystown)



# Climate Action Plan Development Stages – statutory process

Stage 1	Stage 2	Stage 3
<b>Initiation</b>	<b>Draft Climate Action Plan Development</b>	
<p>Building the evidence base – Baseline Emissions Inventory; Climate Change Risk Assessment; Decarbonisation Zones Baseline Emissions Inventories</p> <p>Engaging stakeholders</p> <p>Drafting the CAP</p> <p>May – July 2023</p>	<p>Develop CAP</p> <p>Publication and Public Consultation</p> <p>Collate submissions from consultation</p>	<p>Report on submission from public consultation</p> <p>Adoption of CAP – resolution by elected members</p> <p>Publication of final adopted Climate Action Plan</p>

 **23<sup>rd</sup> February 2024**

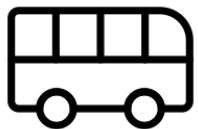


# Community Climate Action Programme

- Support & empower communities
- Shape and build low carbon, sustainable communities to contribute to national climate and energy targets

**Projects to take climate action across as many of 5 themes as possible:**

- Home/Energy
- Travel
- Food & Waste
- Shopping & Recycling
- Local Climate & Environmental Action



## Key Dates for Strand 1 & 1A:

Milestone	Date
Information webinar	Date TBC
Expression of interest	8-10 weeks
Evaluation	8 weeks
Assessment by DECC	8-12 weeks
Results Announced	TBC



# Community Climate Action Programme

## Strand 1: Breakdown of Monies and Project Scale

Meath Fund Total	€811,000	
Small Scale Projects	> €20k	
Medium Scale Projects	€20-€50k	~ 8 projects
Large Scale Projects	€51-€100k	~4 projects

## Strand 1A: Breakdown of Monies and Project Scale

National Fund Total	€3m (fund not pre-allocated to LAs)	
Small Sized Projects	> €20k	
Medium Scale Projects	€20-€50k	
Large Scale Projects	€51-€100k	



# Community Climate Action Programme

## Eligibility:

- Community Organisations must:
- Be not-for-profit
- Located in operational area of LA
- Submit completed application form with specified time frame
- Registered with PPN, Wheel, Tidy Towns and/or community group with Articles of Association or Constitution

## Theme 1: Home/Energy

### Suggested Projects:

- Reduce climate impact of building
- Renewable energy projects (solar, hydro, wind)
- Retrofitting community buildings
- LED community lighting
- Community EV charging points

## Theme 2: Travel

### Suggested Projects:

- Reduction in carbon footprint in services
- Improving access to cycle ways
- Cycle parking
- Community electric vehicles
- Safe or Active Travel routes to schools

## Theme 3: Food & Waste

### Suggested Projects:

- Developing Community Garden
- Allotments
- Food pledges from local businesses
- Food Markets
- Repair hubs
- Community composting facilities

## Theme 4: Shopping & Recycling

### Suggested Projects:

- Increase the variety & number of recycling facilities in the local community
- Initiatives aimed at reducing, reusing & recycling
- Community repair hubs
- Swap shops
- Water filling stations
- Single Use Plastics elimination in businesses in community

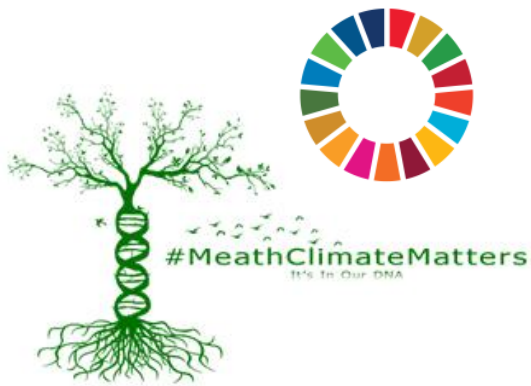
## Theme 5: Local Climate & Environmental Action

### Suggested Projects:

- Mini Forests
- Forest Schools
- Dispersed Orchards
- Community Gardens & Roof Gardens
- Pollinator Projects
- Climate Resilient Projects

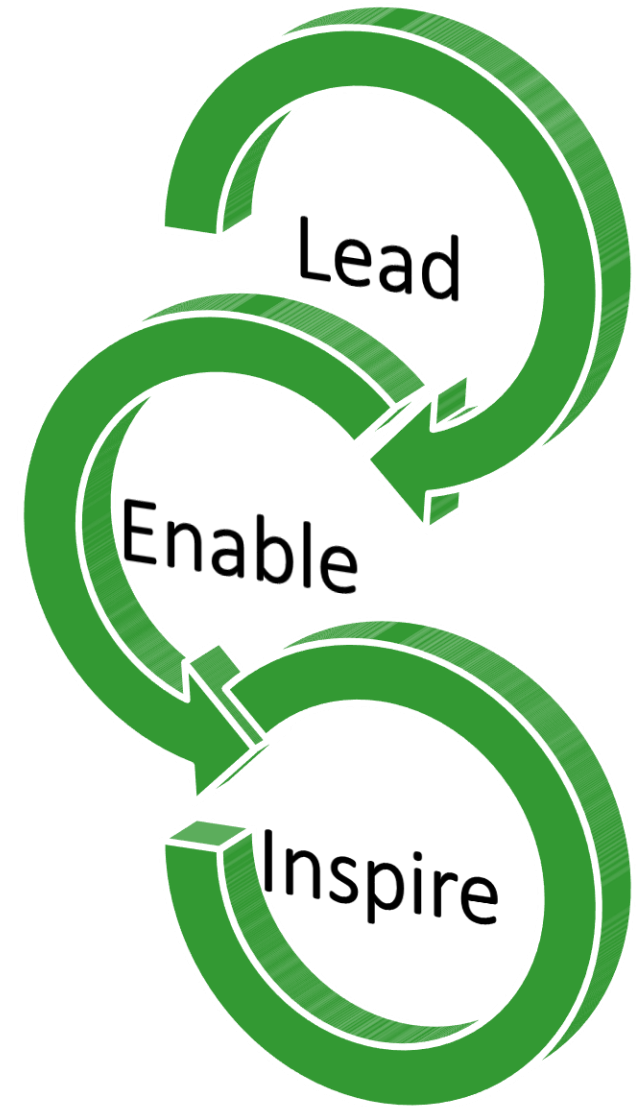
# Thank You for Listening

## Any Questions?



[www.climateactionmcc@meathcoco.ie](mailto:www.climateactionmcc@meathcoco.ie)

#MeathClimateMatter



comhairle chontae na mí  
meath county council

# Questions and Answers



# Wrap up

