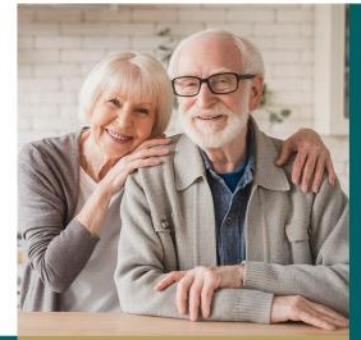
EirGrid

EirGrid.ie

Energy Citizens Roadshow

Treacy's West County Hotel, Ennis

21 / 02 / 2024







Home Energy Grants and Upgrades

Micro-generation and Community Ownership

Regional and Social Development

EirGrid

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.

EirGrid



Agenda

7.00pm Open and Welcome
Sinead Dooley, Head of Public Engagement, EirGrid

7.05pm Overview of Event and Introduction of the Panel
Ciaran Mullooly, MC

7.10pm What Shaping Our Electricity Future means for Clare
Michael Mahon, Chief Infrastructure Officer, EirGrid

7.25pm National Network, Local Connections
Alan Keegan, ESB Networks

7.40pm SEAI Supports for Communities and Households
Lorraine Power, Sustainable Energy Community Mentor, Clare

7.55pm Clare Climate Action Plan and Energy Opportunities
Chris Dixon O'Mara, Climate Action Officer, Clare County Council

8:10pm Questions and Answers

8.25pm Wrap up and close of event



EirGrid

What Shaping Our Electricity Future means for Clare

Michael Mahon, EirGrid





EirGrid

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.



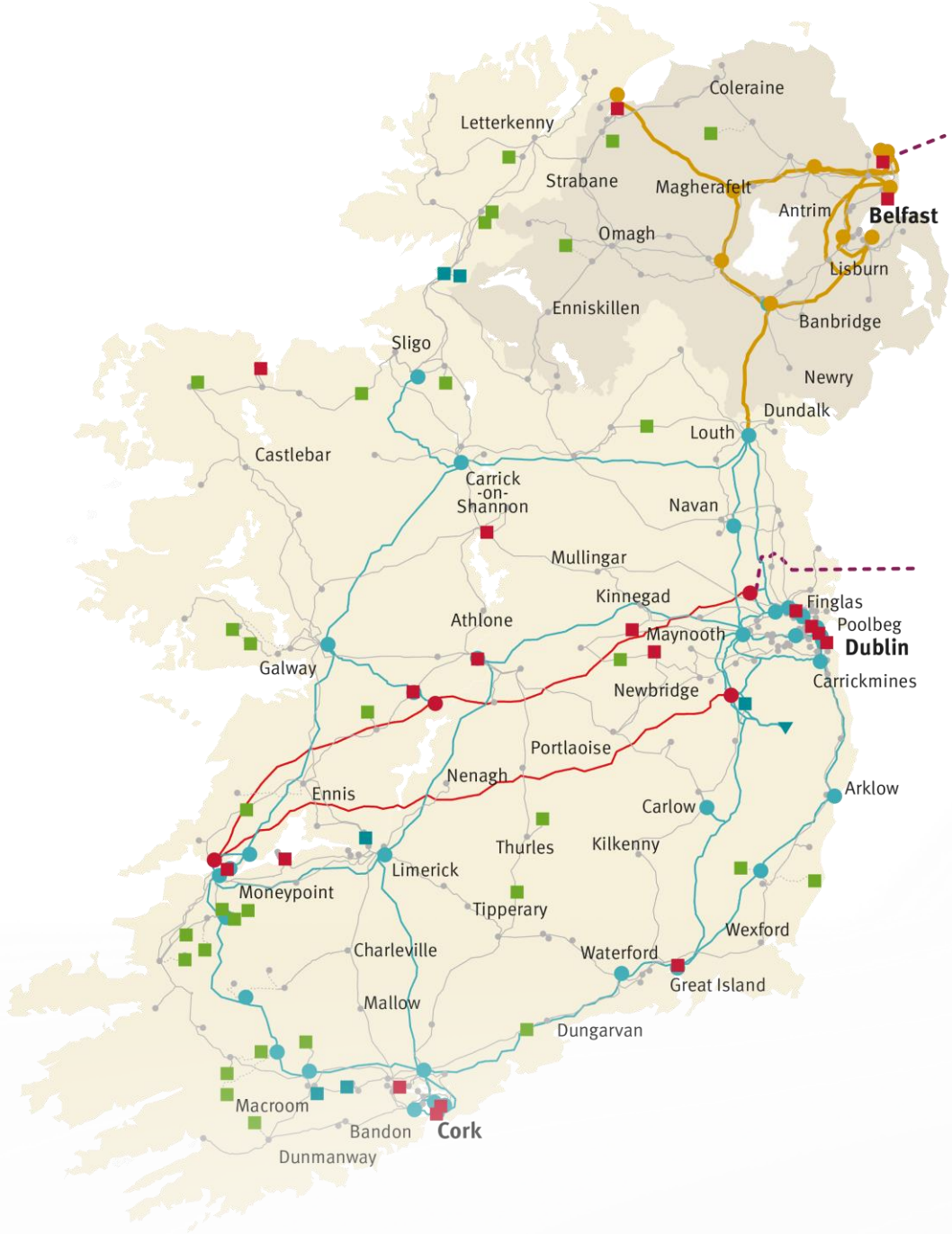
Ireland’s electricity grid

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.

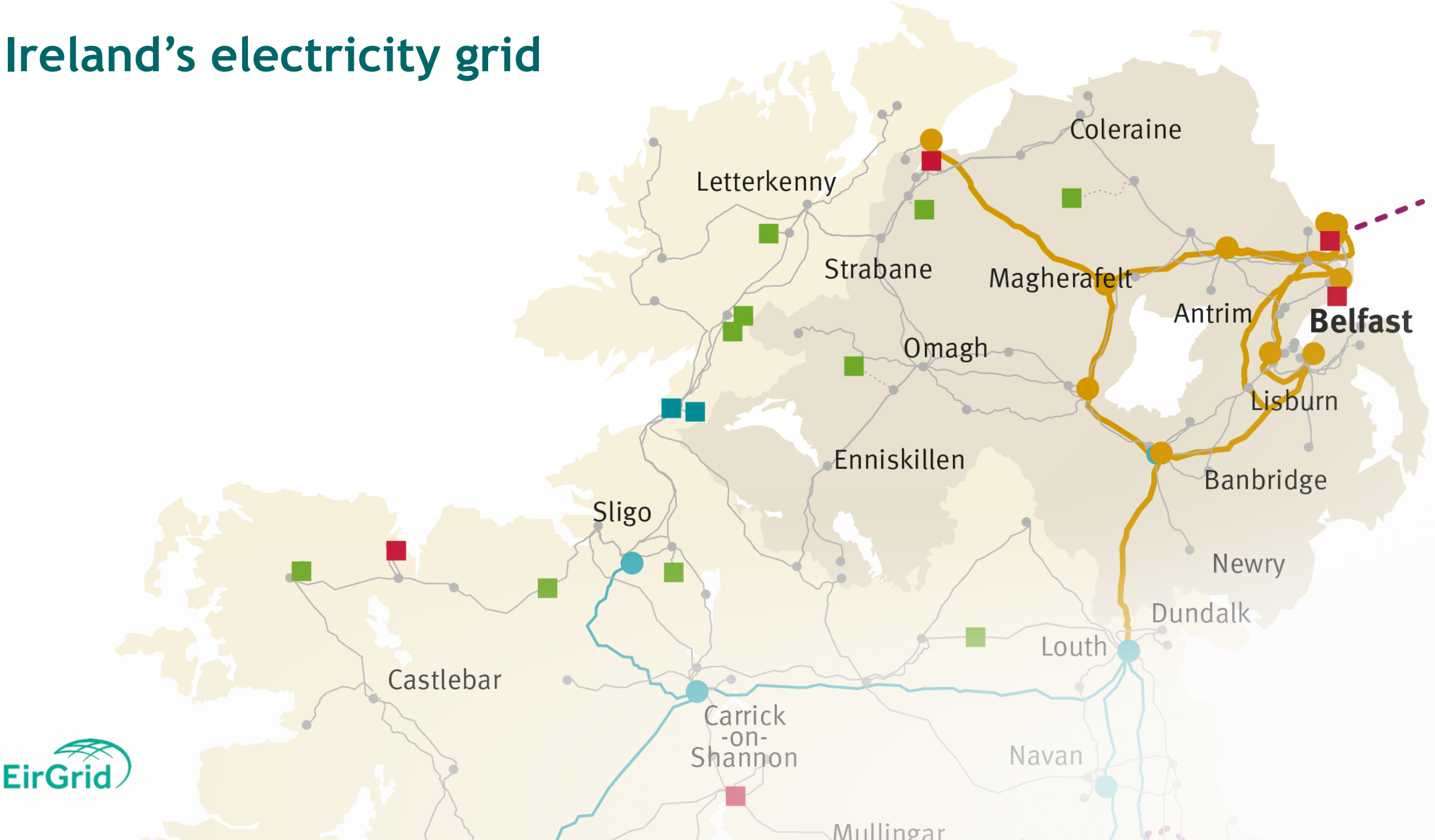
Ireland reached a new record demand on Thursday, 18th January, with a peak of 5577 MW

Electricity is getting greener all the time.



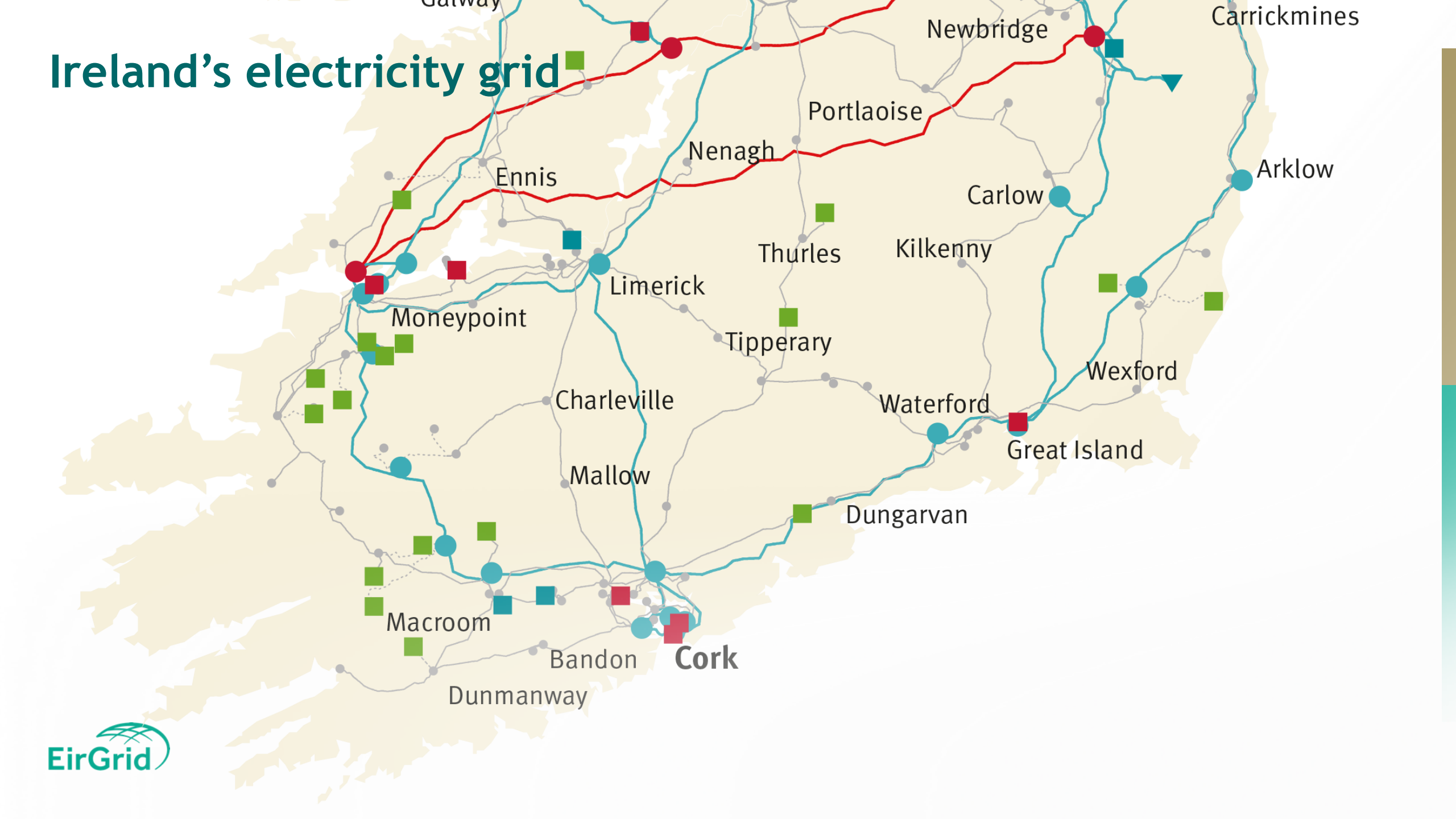
EirGrid

Ireland’s electricity grid



EirGrid

Ireland’s electricity grid



EirGrid


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

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**

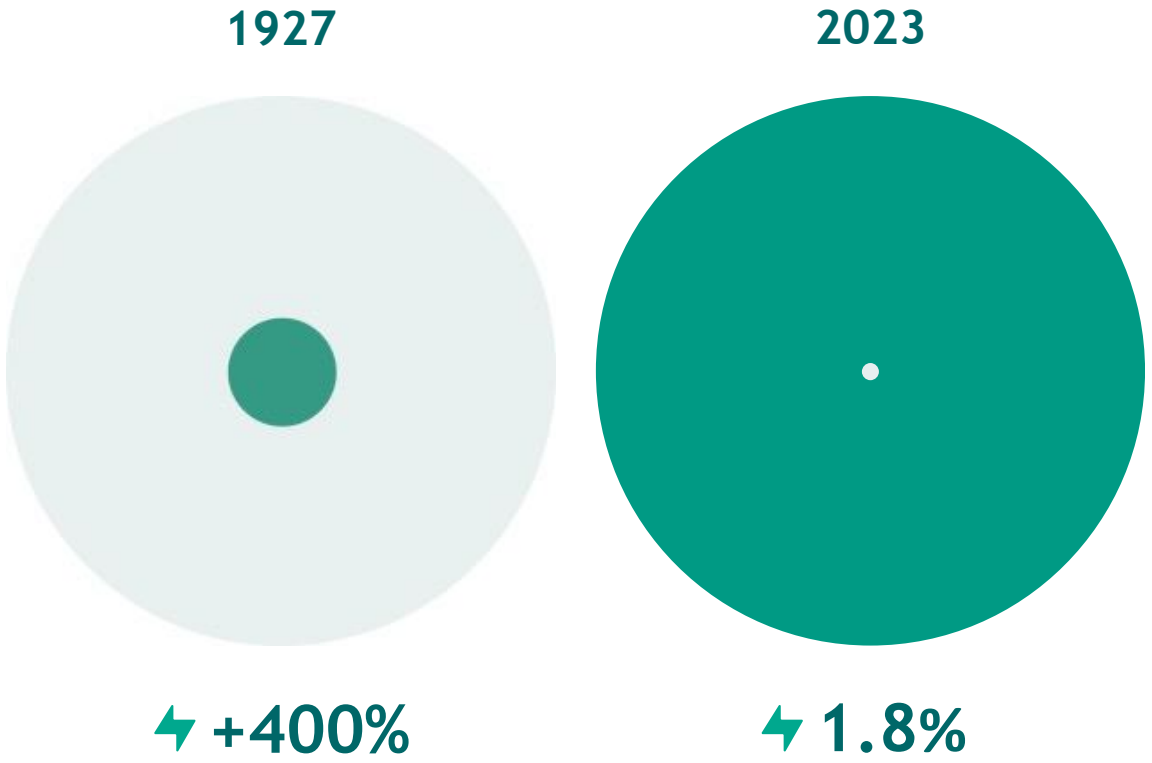
EirGrid

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



EirGrid

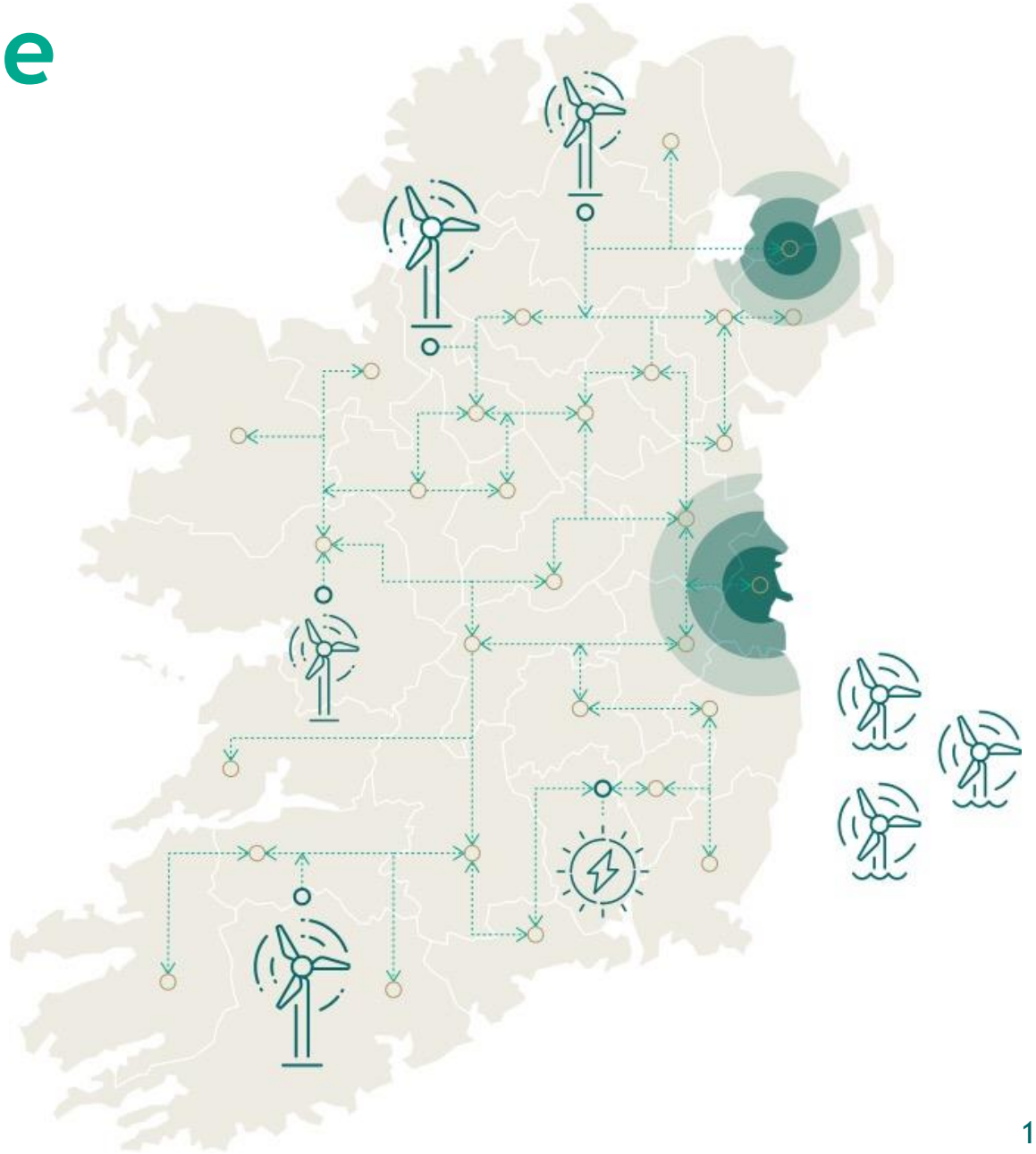
Context for preparing the plan

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?



2
Civil Society Forums

Ireland & Northern Ireland

National Youth Assembly in Ireland

500+
Consultation Responses

TED^{x} Stormont Youth Event

100+
Virtual Consultation Events

- Local Authorities
- Chambers of Commerce
- Rural Communities
- Agricultural Organisations
- Community and Voluntary Groups

14 Week
Consultation and Engagement Programme

99
Deliberative Dialogue Participants in Ireland

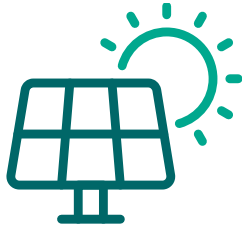
2
Industry Forums

EirGrid

What did the Public say?

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

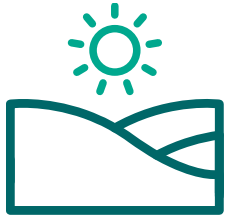
Recurring themes:



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

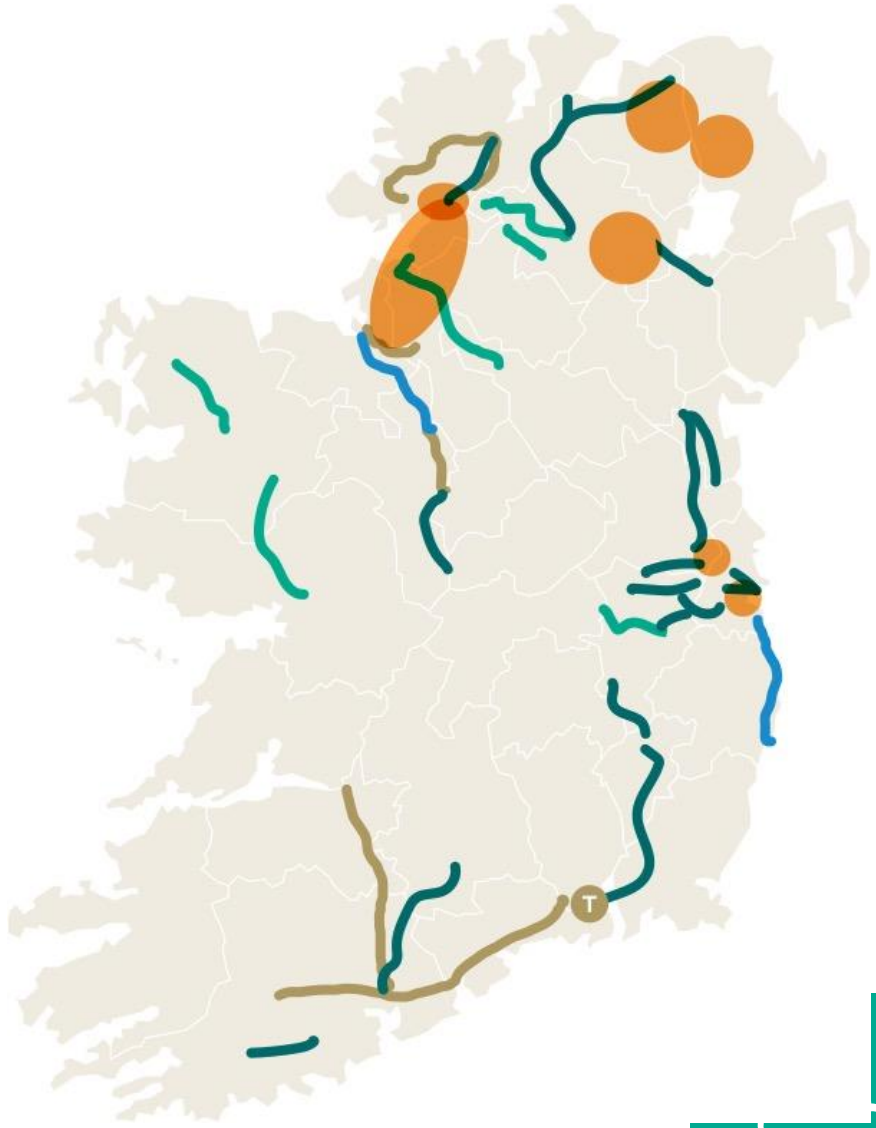
New Projects in Ireland

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)
Uprate Circuit
Upvoltage Circuit
Dynamic Line Rating
Power Flow Controller
New Transformer

EirGrid

Our 6 Step Approach to Project Development



Step One	Step Two	Step Three	Step Four	Step Five	Step Six
How do we identify needs of the electricity grid?	What technologies can meet these needs?	What's the best option and what area may be affected	Where exactly should we build?	Apply for planning permission	Construct, energise (make live), and share benefits.

EirGrid

What is Shaping our Offshore Electricity Future

EirGrid has been tasked by Government, to deliver a plan-led approach for connecting offshore wind to the electricity grid.

This will involve the delivery of grid transmission infrastructure to connect offshore renewable energy resources to points on the south coast

New **electricity substations and associated undersea electricity cables.**

EirGrid

How is Offshore Wind being Developed

Phase 1 - Developer led 3.1 GW

- Auction held in May and four successful projects.



Phase 2 - Plan led 900MW (EirGrid)

- South coast – EirGrid develops the grid offshore.
- Private developers then connect to offshore station locations.



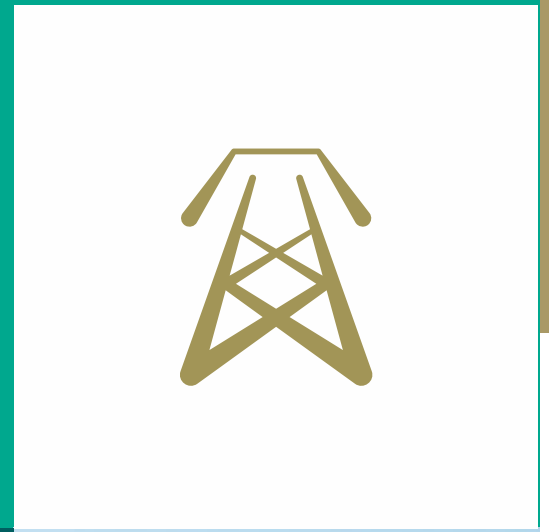
Phase 3 – Plan led 2 GW

- Floating offshore wind in development by 2030



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)







Thank you

The Oval
160 Shelbourne Road
Ballsbridge
Dublin 4
D04 FW28

+353 (0)1 677 1700



EirGrid



EirGrid Energy Citizens' Roadshow: Clare

Alan Keegan, DMSO Regulatory & Stakeholder Hub Manager.

Who We Are



Future Energy Customers



Our Services



Who is ESB Networks?

We deliver and connect electricity to 2.4 million homes and businesses. We play a central role in enabling climate action through the electrification of heat and transport as well as connecting renewables.



Delivering Electricity for 90 Years



180,000 km Network



€800m Annual Investment



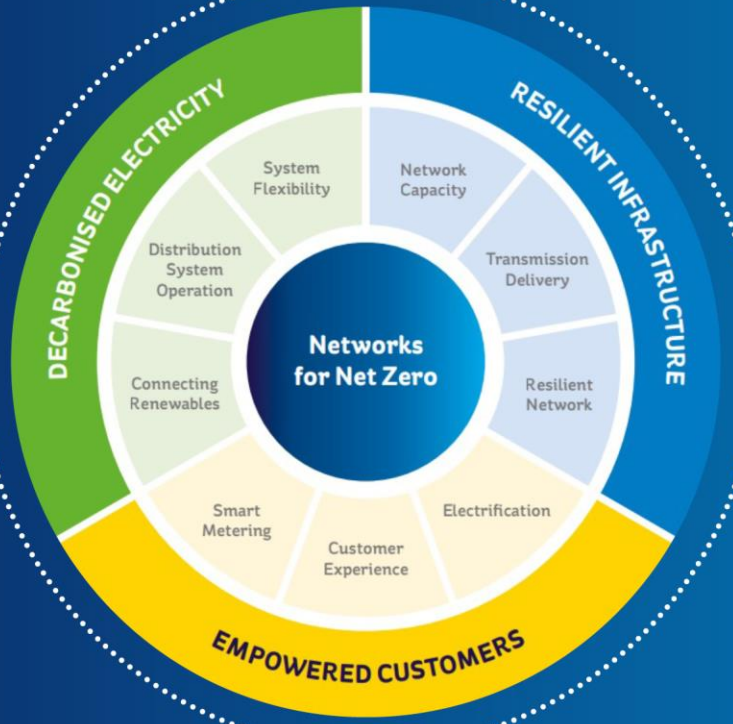
3,500 Employees nationwide

Our focus: Sustainability at our core

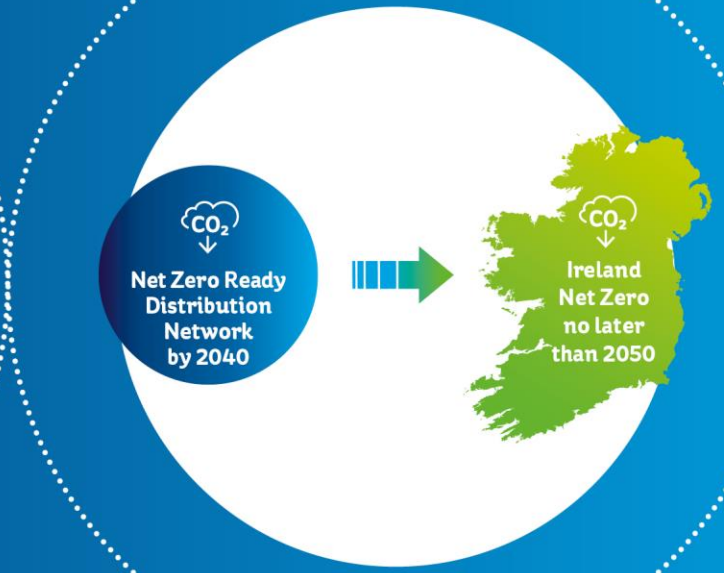
ESB Networks: Delivering Ireland's electricity network for a clean electric future



Delivering our Net Zero Strategy



Supporting Ireland's Climate Action Plan



Where do customers fit into all this ‘sustainability’ NOW ?

Customers will play an essential role in achieving the ambitious climate change targets….



- +15,000 domestic customers are delivering demand flexibility by signing up to Is This A Good Time?
  - Get involved at esbnetworks.ie/time
  - +40 commercial customers are supporting the efforts to help with security of supply
- +400,000 customers adopting solar/heat pump technology
- + 34,000 customers adopted EVs in 2023
- ~80,000 microgen customers eligible for Clean Export Guarantee.
- 1 million Solar Panels across Ireland
- Community energy projects

(numbers correct as of late 2023)

Where do customers fit into all this future ‘sustainability’?

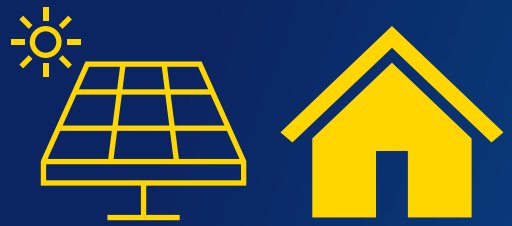


Our Services

- Connection of Micro Generation & Mini Generation
- ESB Networks Online Account
- National Smart Metering Programme
- Security of Supply – Initiatives



Connecting Micro-Generation



Think solar panels on the roof of the home



NC 6 Form



Free of cost

(numbers correct as of August 2023)

Connecting Mini-Generation



NC 7 Form

Approx €1,000

(numbers correct as of August 2023)

Smart Metering

Over 1.6 million smart meter installations across the country



Supports micro gen



View your electricity usage on your ESB Networks Online Account



Empowers all electricity customers to take control



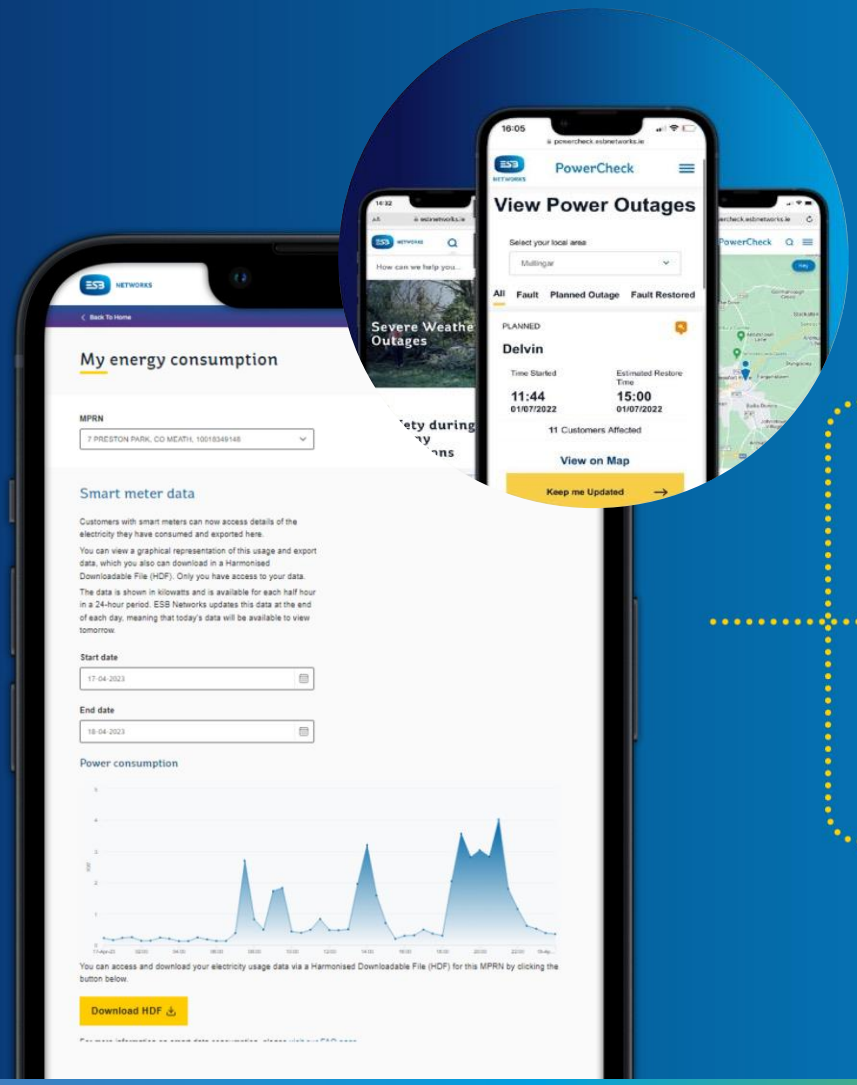
No more estimated bills

ESB Networks Online Account

Access your energy consumption data

Submit Your Meter Reading

View Your Power Outage Status



Find my MPRN
(Personal Meter Identifier)

Apply & Track Connections
(Homes & Business)

Participate in ‘Is This a Good Time?’

Sign up to our ‘Is This a Good Time?’ Customer Programme



- Get useful information and tips to help you learn how to **take control** of your home's electricity usage.



- Find out **when the best times are** to use your electrical appliances (i.e. outside of peak hours of 5-7pm or when renewable electricity is being generated).



- Get **rewarded** for taking control when prompted (via energy events).

esbnetworks.ie/time

Beat the Peak Business

The scheme has been set up for commercial electricity users and specialised energy management companies to provide flexibility services to the Irish electricity network.



PURPOSE

The purpose of the scheme is to:

- Shift demand during peak evening periods to alleviate potential tightness on the network and mitigate System Alerts.



SERVICE DETAILS

During the scheme, commercial electricity users will be asked to reduce demand reduction between 4.30-7pm, Monday – Friday (excluding public holidays).



SETTLEMENT

- Service Assets will be remunerated for reducing demand on a daily basis and for Peak Events that are called by ESB Networks.
- Service Providers will be remunerated for recruitment and management of Service Assets.

Find out more by visiting esbnetworks.ie/business or if you have any questions, please reach out to our team at btp@esb.ie

Thank you

Clare Local Development Company
Comhlacht Forbartha Áitiúil an Chláir

SUSTAINABLE ENERGY COMMUNITIES

SEAI Community Energy Supports

Wednesday, 21st February 2024

Lorraine Power
Sustainable Energy Communities (SEC) Mentor,
Clare Local Development Company (CLDC)



Supported by

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Clare Local Development Company

Delivering Inclusion, Diversity and Equality in the community



CLDC delivers more than **10 programmes** in County Clare, covering areas like:

- Social Inclusion
- Rural Development
- Employment support
- Enterprise and Social Enterprise
- Climate Action
- Community Energy and Sustainability
- Integration, and
- Community Resilience.

We work with other groups, organisations and agencies to tackle issues at a local level.











Working with Government, homeowners, business and communities to create a cleaner energy future



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SEAI Achievements 2023

Over €500 million invested in Ireland's energy transition

National Retrofit

- 64,363 home energy grant applications
- 47,841 homes upgraded including 17,486 B2 upgrades
- 5,897 energy poor homes completed
- Supported 800 Sustainable Energy Communities. 125 Energy Master Plans completed
- More than 150,000 residential BERs published

Business, Public and Transport Sectors

- More than 15,000 EVs and 19,000 home chargers grant aided
- More than €44 million grant support offered to 3,900 businesses
- 2,500 new enrolments to SEAI Energy Academy and 650 businesses trained in energy management
- **Public Sector**: 46 new partnership agreements. 3,600 training engagements. €130 million retrofit projects
- 18 Market Surveillance Authority campaigns active

Research and Policy Insights

- €20 million in funding to support 41 research and innovation projects
- Launched the Single Point of Contact portal for renewable energy projects
- 8 offshore technologies supported for prototype testing at Lir facility
- Modelled and published National Energy Projections 2023
- Launched process to verify biomass sustainability
- Published Ireland's definitive energy data culminating in the Energy in Ireland 2023 report
- Launched the Behavioural Energy and Transport Tracker
- Published baseline survey of community attitudes to wind and solar projects

Organisational

- Continued the transformation journey focused on improving customer experience
- People Strategy launched
- 300,000 customer calls, emails, and chats served

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

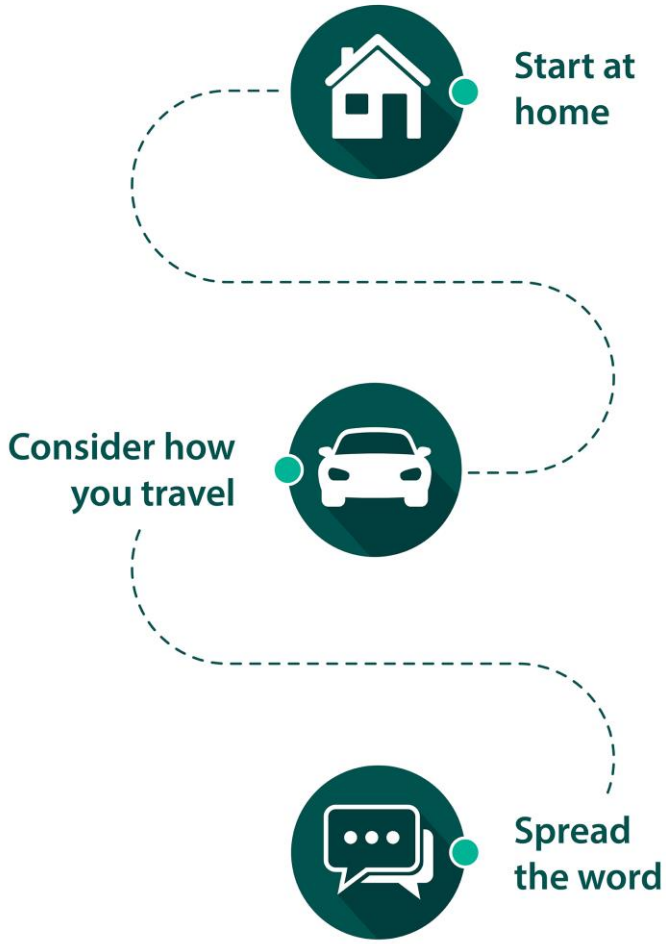






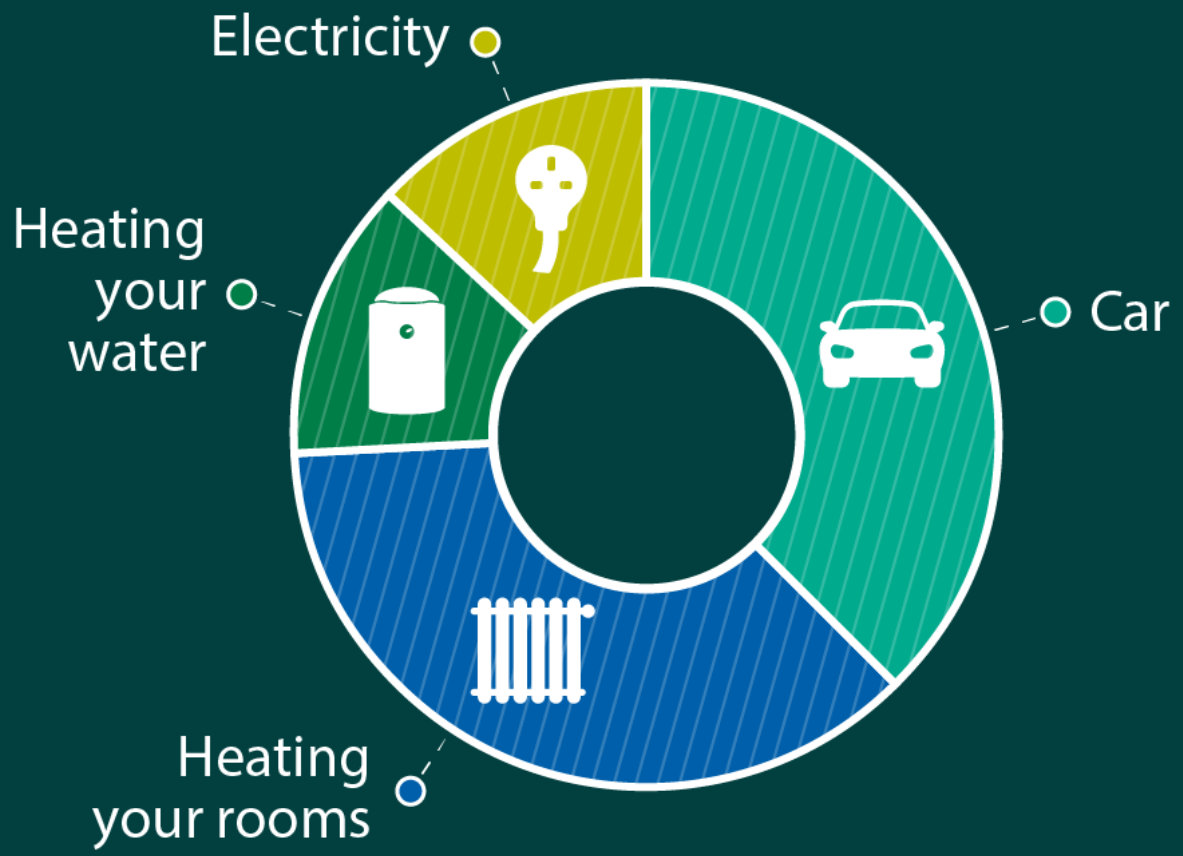
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Where do I start?



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Where do we use energy in our everyday lives?



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Home Energy Upgrade

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

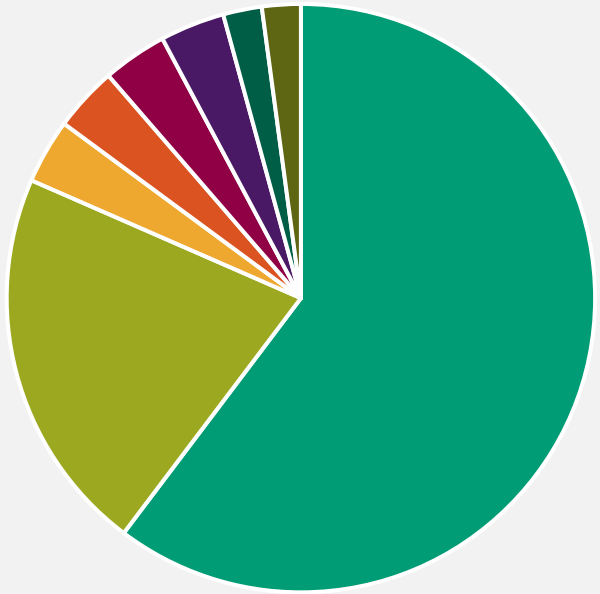


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Home Heat Loss and Energy Use

Houses account for a quarter of all energy consumption in Ireland

Heating accounts for 80% of your home energy



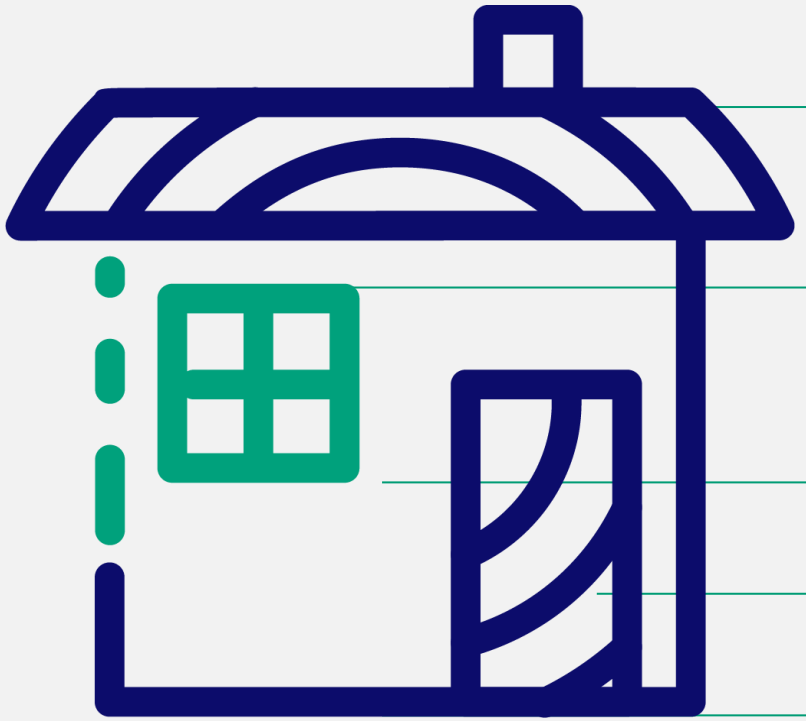
- Space heating
- Water heating
- Cold appliances
- Consumer electronics
- Cooking
- Lighting
- Wet appliances
- Miscellaneous



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Home Heat Loss and Energy Use

Where you lose energy in your home...



Roof **30%**

Air infiltration **10%**

Walls **30%**

Doors & Windows **10%**

Floors **20%**



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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

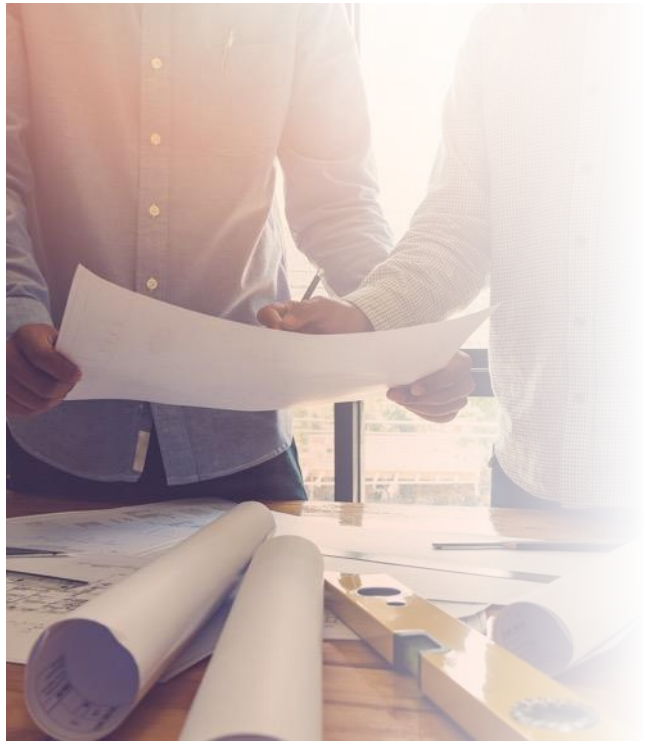


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Three Steps to a Home Energy Upgrade

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

1. Assess



2. Insulate



3. Add Renewables



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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



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

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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.

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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

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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	✓	✓	✓

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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
  - Disability Allowance for over six months and have a child under seven years of age
- 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

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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

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One Stop Shop Service

- You can access a wider range of grants using a One Stop Shop than if you were to manage the project yourself.

Energy Upgrades	Detached	Semi-Detached / End Terrace	Mid Terrace	Apartment
Heat Pump		€6,500		€4,500
Central Heating System for Heat Pump		€2,000		€1,000
Heat Pump Air-to-Air		€3,500		
Heating Controls only		€700		
Launch bonus for reaching B2 with a Heat Pump		€2,000		
Ceiling Insulation	€1,500	€1,300	€1,200	€800
Rafter Insulation	€3,000	€3,000	€2,000	€1,500
Cavity Wall Insulation	€1,700	€1,200	€800	€700
External Wall Insulation	€8,000	€6,000	€3,500	€3,000
Internal Wall Insulation	€4,500	€3,500	€2,000	€1,500
Windows (Complete Upgrade)	€4,000	€3,000	€1,800	€1,500
External Doors (max. 2)		€800 per door		
Floor Insulation		€3,500		
Solar Thermal		€1,200		
Solar PV		0 to 2 kWp €900/kWp 2 to 4 kWp €300/kWp		
Mechanical Ventilation		€1,500		
Air Tightness		€1,000		
Home Energy Assessment		€350		
Project Management	€2,000	€1,600	€1,200	€800

One Stop Shop –Average Costs & Grant

Apartment



Average works cost

€42,875

Average grant amount

€14,267

Average cost to homeowner

€28,608

Average BER improvement

G > A3

Typical upgrades:

- Heat pump
- Windows and doors
- Wall insulation

Key Figures



25%

received energy upgrades at a cost of

>€75,000

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One Stop Shop – Average Costs & Grant

Mid Terrace



Average works cost

€51,826

Average grant amount

€19,015

Average cost to homeowner

€32,811

Average BER improvement

E1 → A3

Typical upgrades:

- Heat pump
- Windows and doors
- Wall insulation
- Ceiling insulation
- Ventilation

41%

received energy upgrades at a cost of

€50,000–€75,000

One Stop Shop –Average Costs & Grant



One Stop Shop – Average Costs and Grant

Detached



Average works cost

€64,507

Average grant amount

€24,098

Average cost to homeowner

€40,408

Average BER improvement

E1 → A2

Typical upgrades:

- Heat pump
- Windows and doors
- Wall insulation
- Ceiling insulation
- Solar panels
- Ventilation

4% received energy upgrades at a cost of **<€30,000**

Average BER uplift

E1 → A2

Data based upon average costs for 363 private homes completed through One Stop Shops. (August 2023)

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

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Individual Energy Upgrade

- For homeowners and private landlords wishing to manage their own home energy upgrade, there are a range of individual energy upgrade grants.

Energy Upgrades	Detached	Semi-Detached / End Terrace	Mid Terrace	Apartment
Heat Pump	€6,500			€4,500
Heat Pump Air-to-Air	€3,500			
Technical Assessment	€200*			
Heating Controls only	€700			
Ceiling Insulation	€1,500	€1,300	€1,200	€800
Cavity Wall Insulation	€1,700	€1,200	€800	€700
External Wall Insulation	€8,000	€6,000	€3,500	€3,000
Internal Wall Insulation	€4,500	€3,500	€2,000	€1,500
Solar Thermal	€1,200			
Solar PV	0 to 2 kWp €900/kWp 2 to 4 kWp €300/kWp			

* The grant for the Technical Assessment is only payable in conjunction with the Heat Pump System grant

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Community energy



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Sustainable Energy Community

Clare Local Development Company
Comhlacht Forbartha Áitiúil an Chláir

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





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Benefits of Sustainable Energy Communities

Clare Local Development Company
Comhlacht Forbartha Áitiúil an Chláir

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.



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Community Journey



LEARN

SEC Network

Community Network – open, collaborative, sharing and learning network. Levels of activity vary.

PLAN

Energy Master Plans

100% funding to develop an energy master plan to baseline energy use in the community and to identify a register of energy opportunities

DO

Community Grants

Capital grant programme to support community retrofit. Community role can vary from participation to project leadership.

OVER 800 COMMUNITIES

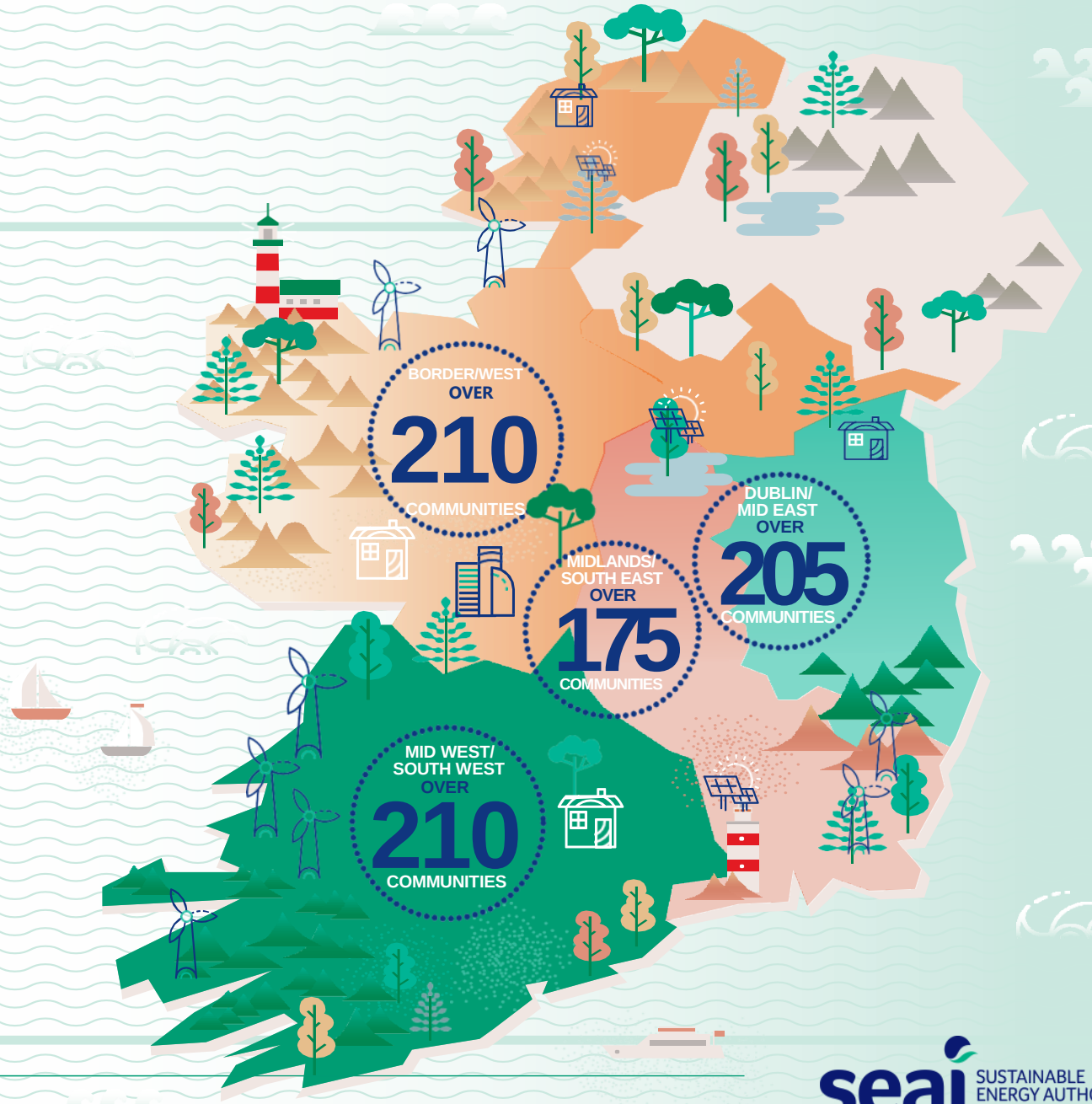
Part of SEAI's Sustainable Energy Communities Network

MORE THAN
40,000
CITIZENS ENGAGED

133 ENERGY MASTERPLANS COMPLETED

91
COMMUNITIES
Are currently working on their Energy Master Plans

Find out more at: www.seai.ie/sec

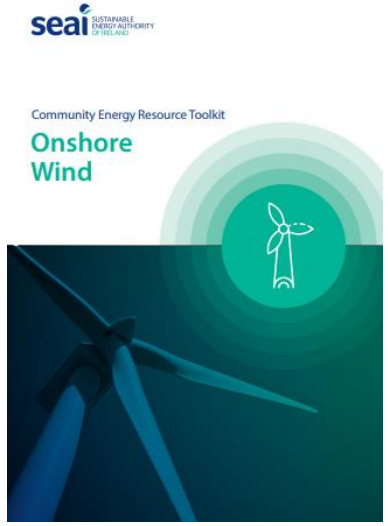


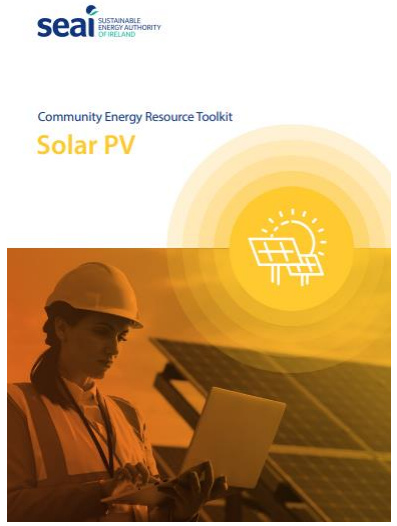
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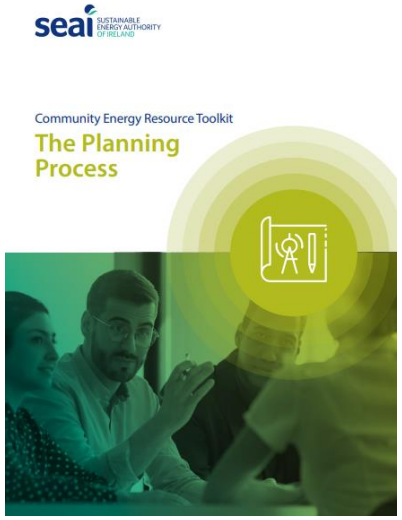
Community Enabling Framework

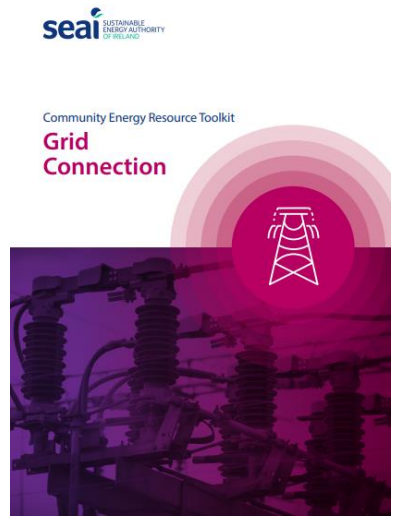
To support the development of 100% community renewable electricity projects in Ireland

- 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**
- County Grid Studies
  - Support identification of locations likely to have grid capacity
  - In person and online information sessions









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Communities grant scheme



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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



Communities Grant



The aim is to engage all sectors in society to come together to support energy efficiency measures

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Supports (CG)

- Business 30%
- Community 50%
- Homes: Fixed grants



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Non Domestic projects

Very large scale industrial projects



Community grants



No direct applications, we must have a collage of projects

Strongly recommend working with existing Project Coordinators

Application time line currently about 8 weeks

Contract time frame is 12 months

Maximum grant value €5M - Therefore capital costs €15- €20M

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Communities scheme examples



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Retail

Tesco

Dunnes stores

Musgraves

Independent retailers



Hotels

Water

Air Conditioning

Heating

Cooling

Lighting



Distribution

Warehousing

Manufacturing

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GAA and other sports

Water heating

Floodlighting

Fabric

Heating



Church Community halls

Lighting

Heating

Fabric Insulation upgrades



Musgrave Pk

Large Scale sports facility

Further information: email: bec@seai.ie

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SEAI Business Supports

Supports for: SME's, Large Business, Public Sector

SEAI Energy Academy - free online training

SME's:
€2,000 Energy Audit voucher for energy spend over €10k
(not incl transport)

https://www.seai.ie/business-and-public-sector/small-and-mediun
business/supports/financial-supports/

Email: business@seai.ie



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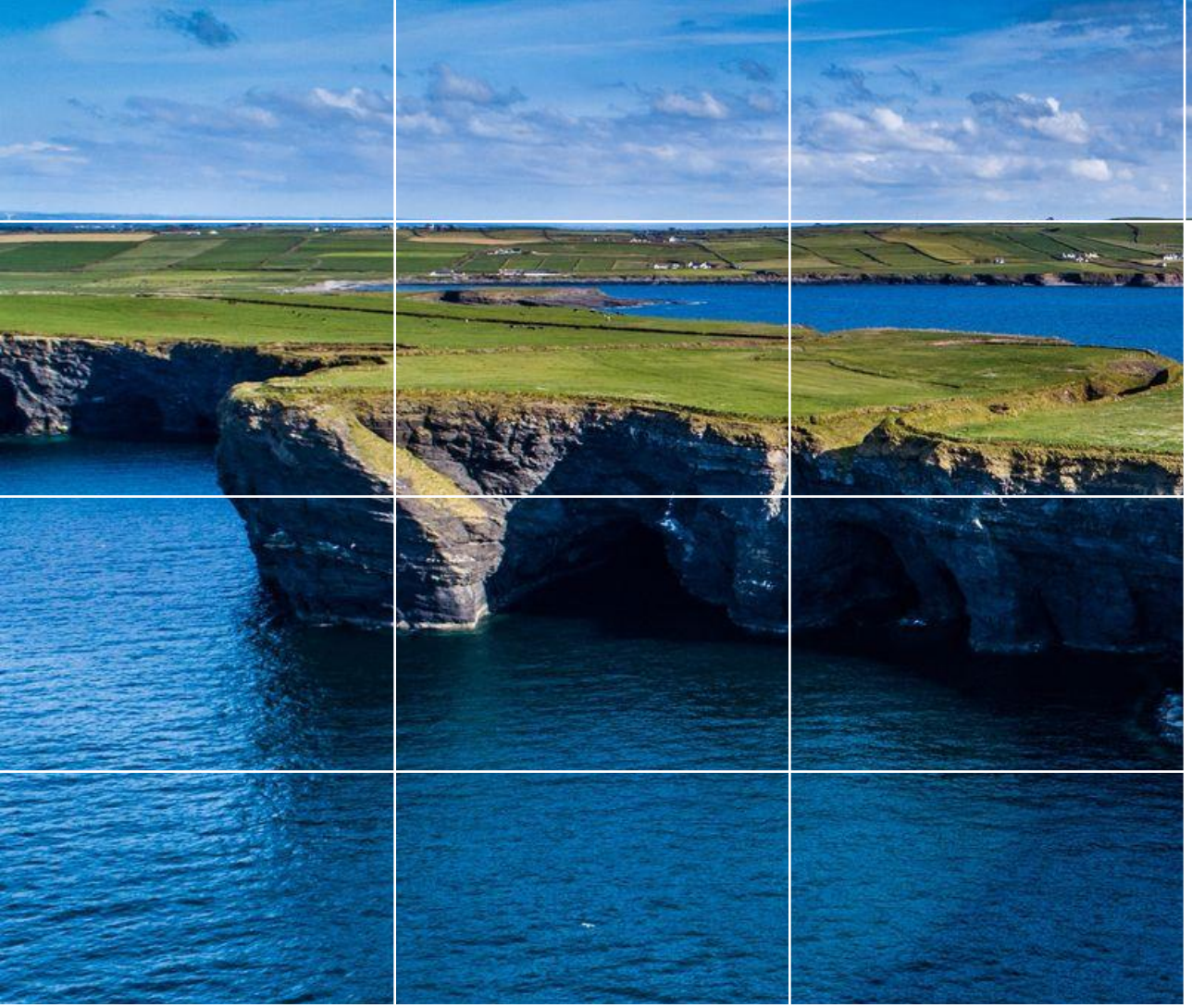
Thank you

www.seai.ie

lpower@cldc.ie



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Clare County Council

Climate Action Plan and Energy Opportunities

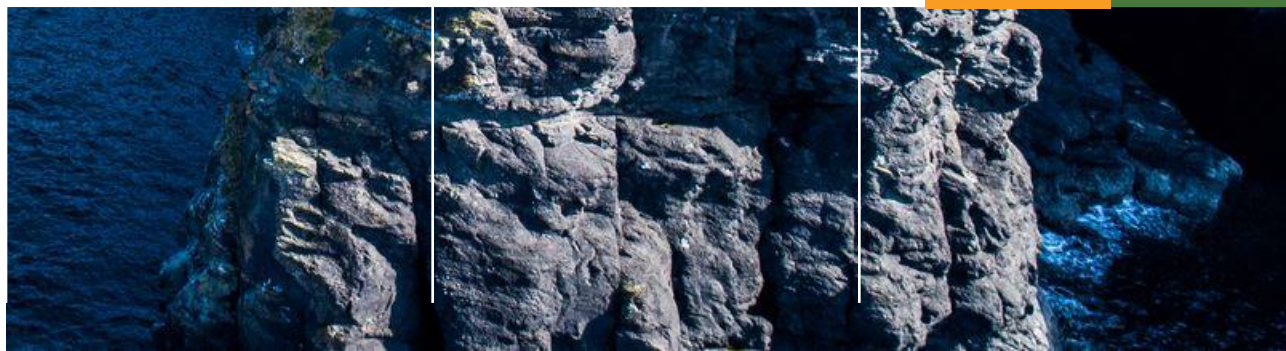
Morgan Lahiffe
Climate Action Coordinator

Chris Dixon O'Mara
Climate Action Officer

GREENER CLARE

SDG CHAMPION

COMHAIRLE CONTAE AN CHLÁIR
CLARE COUNTY COUNCIL



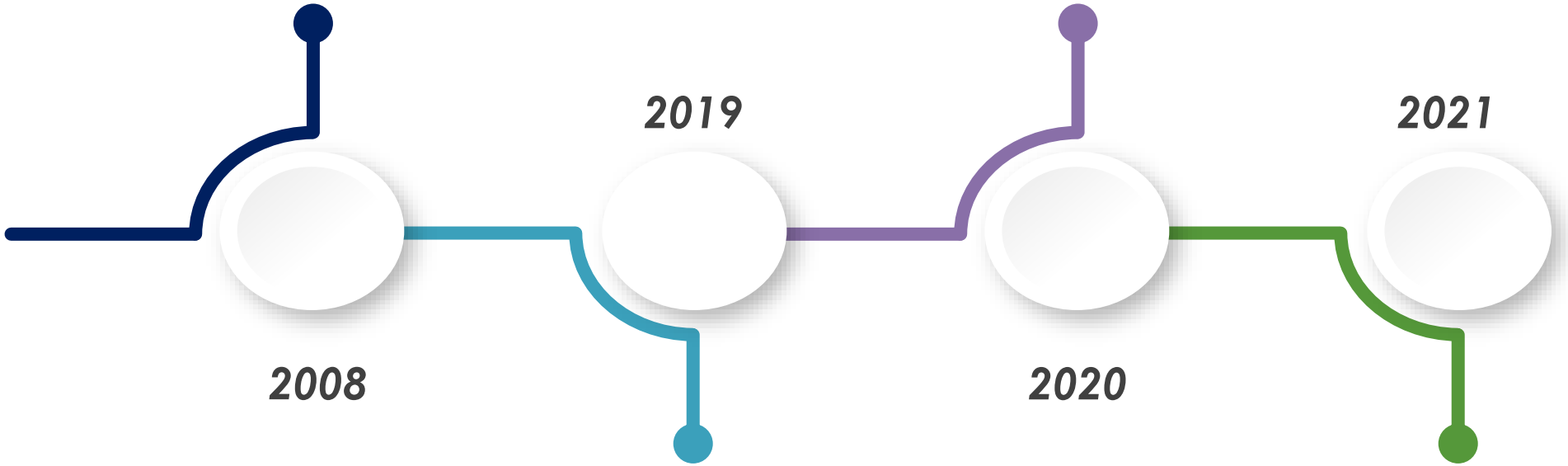
Clare County Council

Clare County Council has adopted a four-pronged approach to climate action.

We place an **inward (organisational)** and an **outward (community)** focus on building resilience to the negative impacts of climate change and in tackling the causes of climate change.



Climate Action Progress to Date



Renewable Energy

Biomass installed in Clare County Council HQ

Energy Efficiency

Energy Efficiency target of 33% achieved

Climate Adaptation Strategy

Clare County Council's first Climate Adaptation Strategy 2019-2024 is published

Climate Training

Climate action training is mainstreamed across Clare County Council

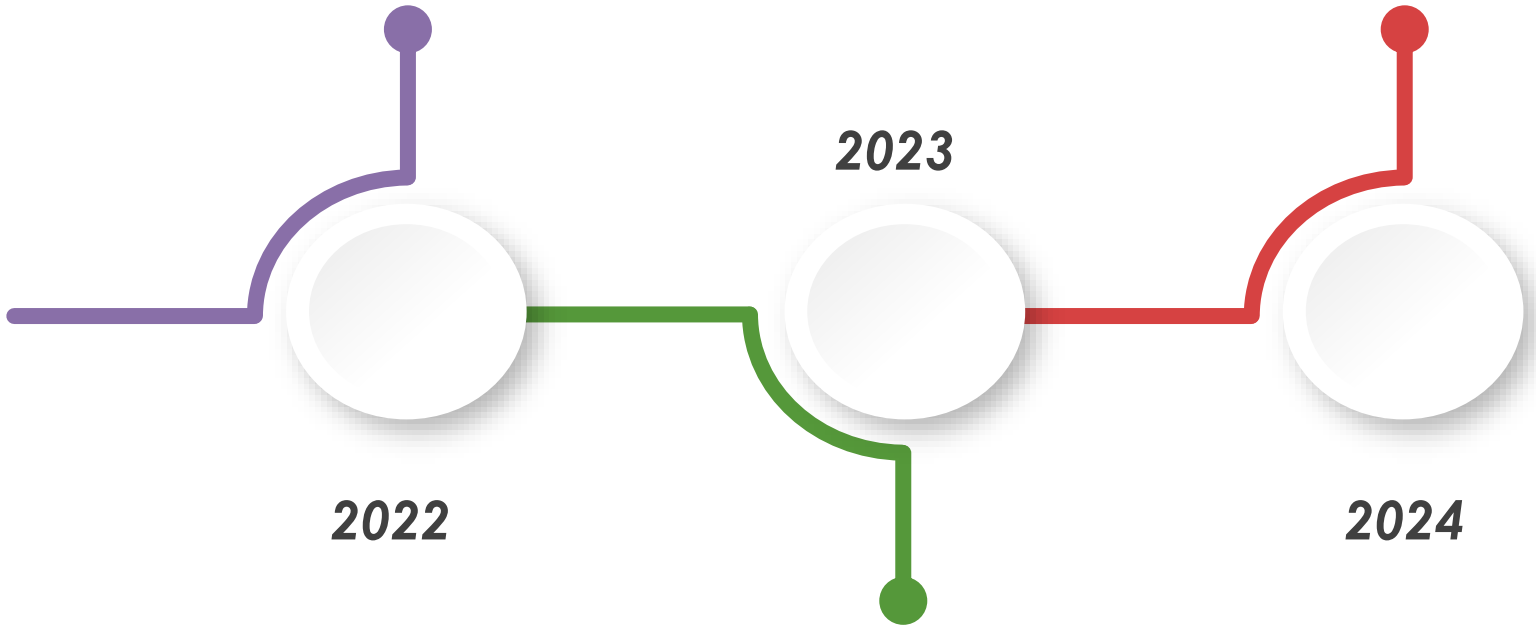
Climate Action Progress to Date

Blended Working

Remote working supported reducing commuting travel of staff

Climate Action Plan

Clare County Council will publish its first Climate Action Plan that addresses both climate mitigation and climate adaptation



Community Climate Action Programme

The Community Climate Action Programme provides funding of €572,000 for climate projects in Clare

Climate Action Plan Development Process

Complete

Complete

In Progress

Stage 1 – Initiation
- Emissions and Risk Baselines
- Summary Report
- Stakeholder Engagement

Stage 2 – Draft Plan
Publication and Public Consultation
Collate Submissions

Stage 3 – Completion
Address Submissions, Develop CE Report, Councillor Briefing
Adopt the Draft Climate Action Plan (February 12th 2024)
Final Publication

SEA/AA

Public Consultation

Multiple mechanisms of public engagement were utilised to gather stakeholder input

Newspaper Notice

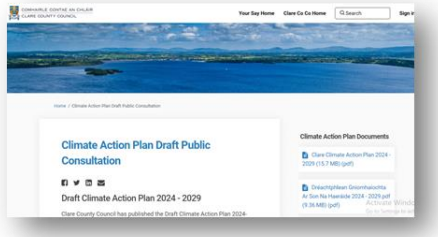

NOTICE OF THE MAKING OF THE CLARE LOCAL AUTHORITY CLIMATE ACTION PLAN 2024-2029

Public Events

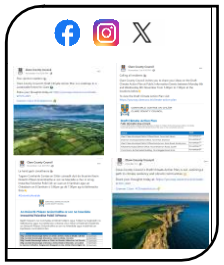




Engagement Platform



Social Media



Media Engagement



Submission Processes

Online

Writing

Email

Public Consultation

Residents of Clare have been actively engaged in the development of the Climate Action Plan

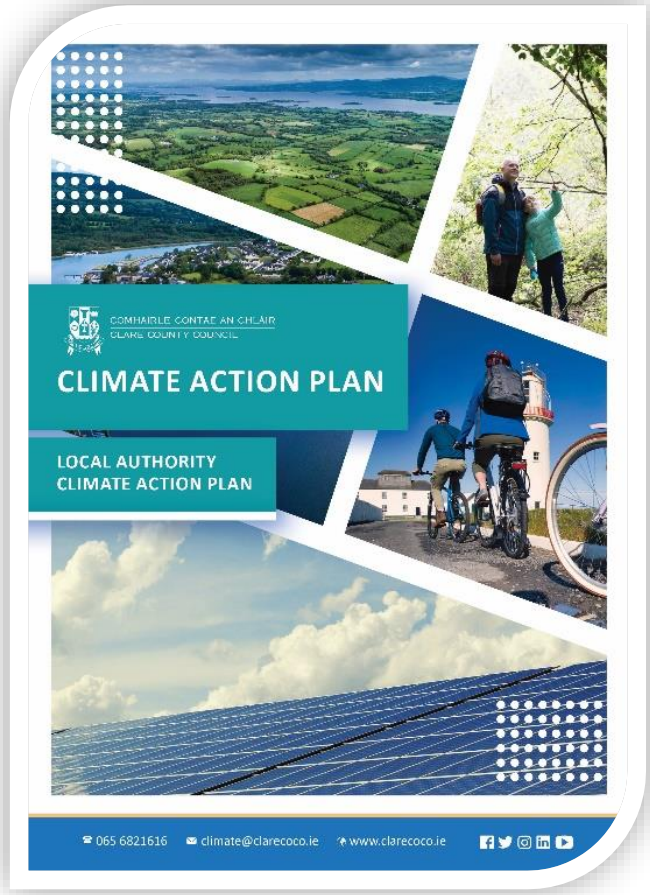
151

Submissions received during the Draft Public Consultation Phase

250

Submissions received during the Pre-Draft Public Consultation Phase

Clare Climate Action Plan 2024-2029





Overview of Climate Action Plan



Number of Pages

89



Number of Thematic Areas

5



Number of Objectives

11



Number of Actions

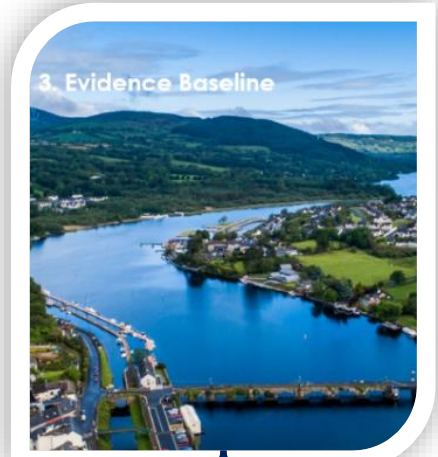
120

Climate Action Plan Overview



Scientific Context

Legislative and Policy Context



Climate Change Risk Assessment

Baseline Emissions Inventory

Stakeholder Engagement

Opportunities of Climate Action

Climate Action Co-Benefits

Implementation of the Climate Action Plan will also support other Clare County Council objectives, such as improved economic development, service delivery and social inclusion.



SDG Alignment

SUSTAINABLE DEVELOPMENT GOALS





Partnerships and Engagement

Example of Delivery Partners



Responding Organisations

Businesses & Social Enterprises

Shannon Chamber
Ennis 2040 (Strategic Development) DAC Ltd
Common Knowledge Centre for Sustainable Living CLG
Carbon Sole Group Ltd
Nephin Renewable Gas

Government Departments

Department of Agriculture, Forestry and Marine
Department of Environment, Climate, and Communications
Department of Housing, Local Government, and Heritage

Communities

Individual Community Members
Public Participation Network
Housing Associations
Circular Clarecastle & TT
Gaelscoil Mhíchíl Cíosóg
Loop Head Together CLG
Better Ennis

National Agencies

Environmental Protection Agency
Department of Transport
Inland Fisheries Ireland
Uisce Éireann
Fáilte Ireland
An Taisce Green-Schools
Community Gardens Ireland
National Federation of Group Water Schemes

Climate Action Strategic Goals



Key Action Areas



- Develop annual **Climate Action Implementation Plans** to support delivery of Climate Action Plan
- Join the **Global Covenant of Mayors for Climate and Energy**
- Develop **Green Public Procurement Strategy**



- Development and implementation of **Electric Vehicle Strategy**
- Support the delivery of an efficient and reliable **Public Bus System** for Ennis
- Procurement of **Electric Light Good Vehicles** in Clare County Council vehicle fleet
- Enable staff to utilise practical lower-carbon options for undertaking **Business Travel**



- Support climate-related **Awareness and Engagement**
- Support enterprises with investment in energy efficiency through the **Energy Efficiency Grant**
- Support Communities through the implementation of **Community Climate Action Programme**

Key Action Areas



- Completion of **Public Lighting** Energy Efficency Project
- Undertake **Deep Retrofitting** of Clare County Council facilities
- **Social Housing** Stock - Advance retrofitting programme
- Develop updated **Risk Assessment** of coastal erosion for Clare



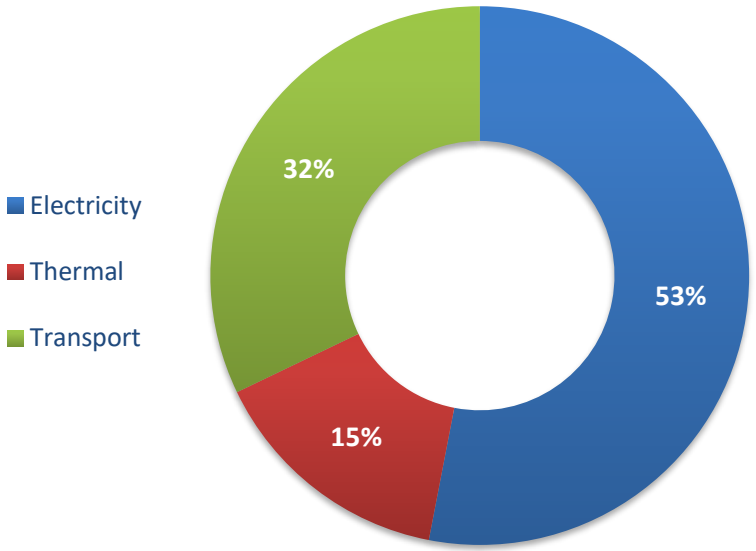
- Develop and implement an **Updated Clare Biodiversity Action Plan** to protect and enhance local biodiversity
- **Tree Planting and Woodland Creation** within Clare County Council landbanks
- Undertake and expand upon **Air Quality** monitoring capabilities
- Support **Circular Economy** and **Waste Management** community-based schemes

Energy Challenges

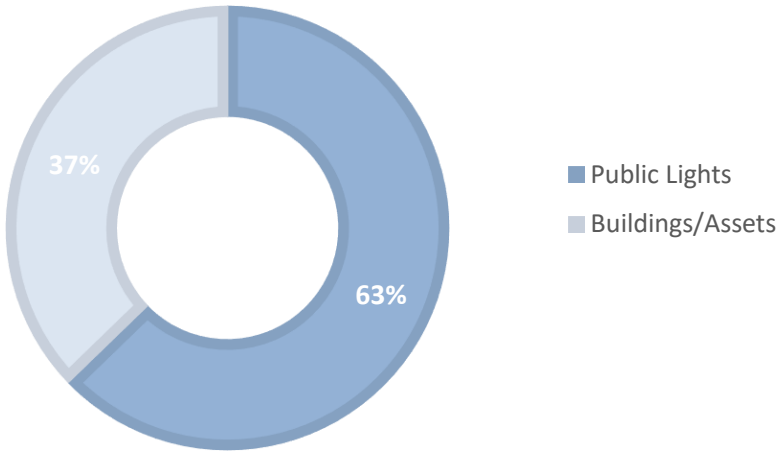
Local authorities are responsible for approximately 11% of all public sector emissions

**Sustainable Energy Authority of Ireland (2020): Energy in Ireland 2020 Report.*

Clare County Council Energy Consumption Profile



Clare County Council Electricity Consumption



Energy Opportunities - Electricity

Context

- Approximately 530,000kWh of Electricity is Consumed in Clare County Council HQ
- Approximately 6,300,000 kWh of Electricity is Consumed Across the 15,000 Public Lights on Network



Opportunities

- **Solar PV Generation** to lower costs and carbon emissions.
- Powering **Electric Charging Infrastructure**
- **Retrofitting** to inefficient Mechanical & Electrical Assets
- **LED Lighting** projects across Public Lighting and Council Assets





Energy Opportunities - Thermal

Context

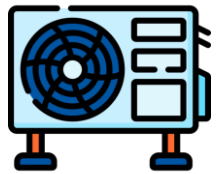
- Consumption of 1,400,000 kWh of Natural Gas
- Opportunities for reduction of 266,000kg of carbon emissions in the longer term.



Opportunities

- Transition heating to **Renewable Energy Sources**
- Upgrade CHP Plant to **Heat Pump Systems/ Geothermal Systems**
- **Fabric Upgrades**





Energy Opportunities - Transport

Context

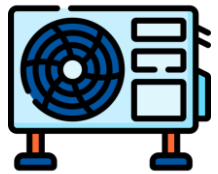
- 5,592,000 kWh of Transport based Energy in 2022
- 2.7kg CO_2 per litre of Fuel



Opportunities

- Pilot Project to transition to **Hydrogenated Vegetable Oil**
- Transition all Light Goods Vehicles to **Electric**. 4 bought in 2021.
- **EV Charging Infrastructure** to be rolled out in line with EV Strategy





Climate Action Team



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CLIMATE ACTION CO ORDINATOR



CHRIS DIXON O' MARA

CLIMATE ACTION OFFICER



KELLY SLATTERY

COMMUNITY CLIMATE ACTION OFFICER



CONOR MCDONAGH

LIMERICK CLARE ENERGY MANAGER



CIAN DONOVAN

GRADUATE



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Greener Clare Social Media

GREENER CLARE

COMHAIRLE CONTAE AN CHLÁIR
CLARE COUNTY COUNCIL

Thank You

Question and Answer session



