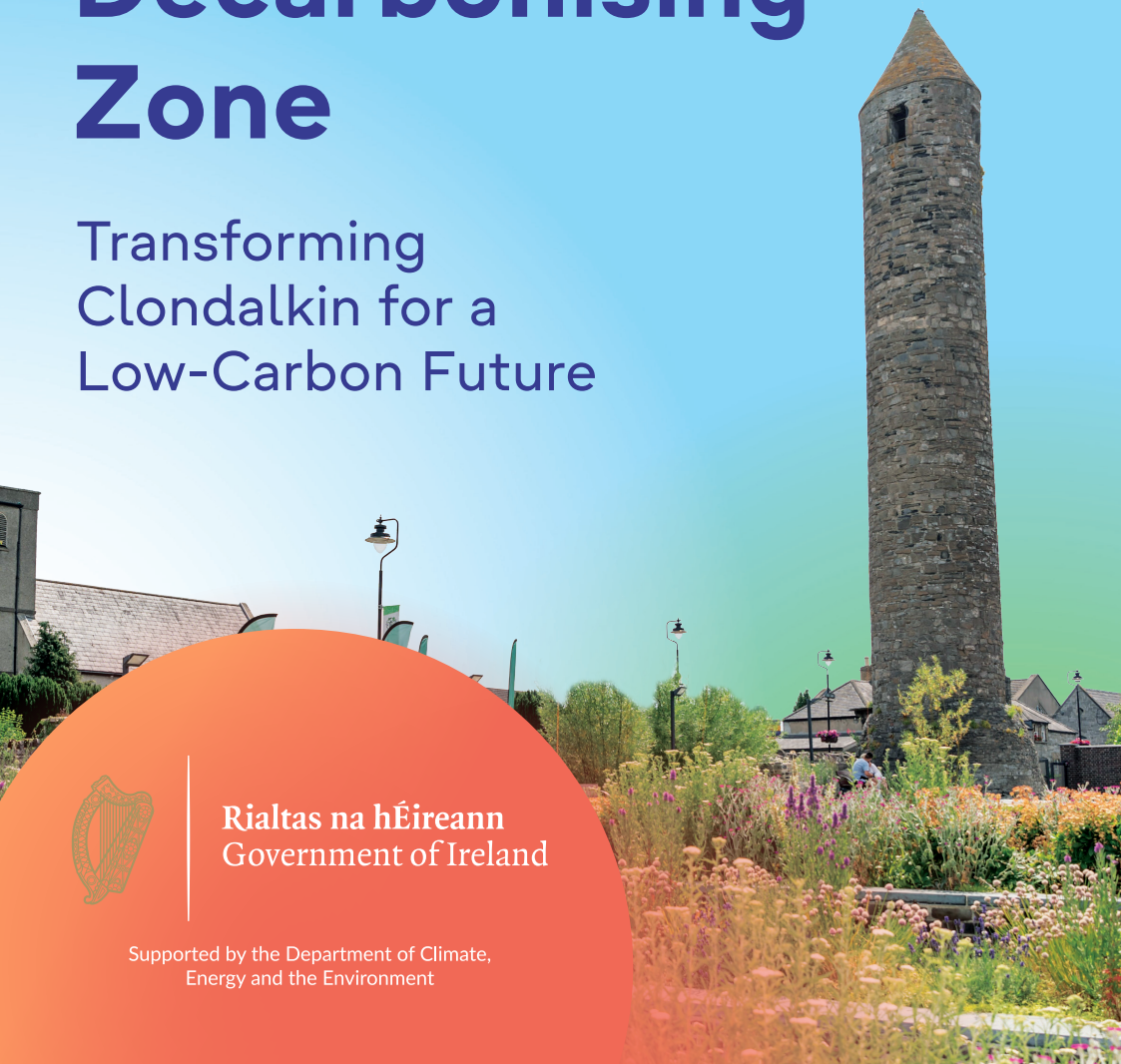
SDCC Comhairle Contae Átha Cliath Theas
South Dublin County Council

# Clondalkin Decarbonising Zone

## Transforming Clondalkin for a Low-Carbon Future



Rialtas na hÉireann
Government of Ireland

Supported by the Department of Climate, Energy and the Environment

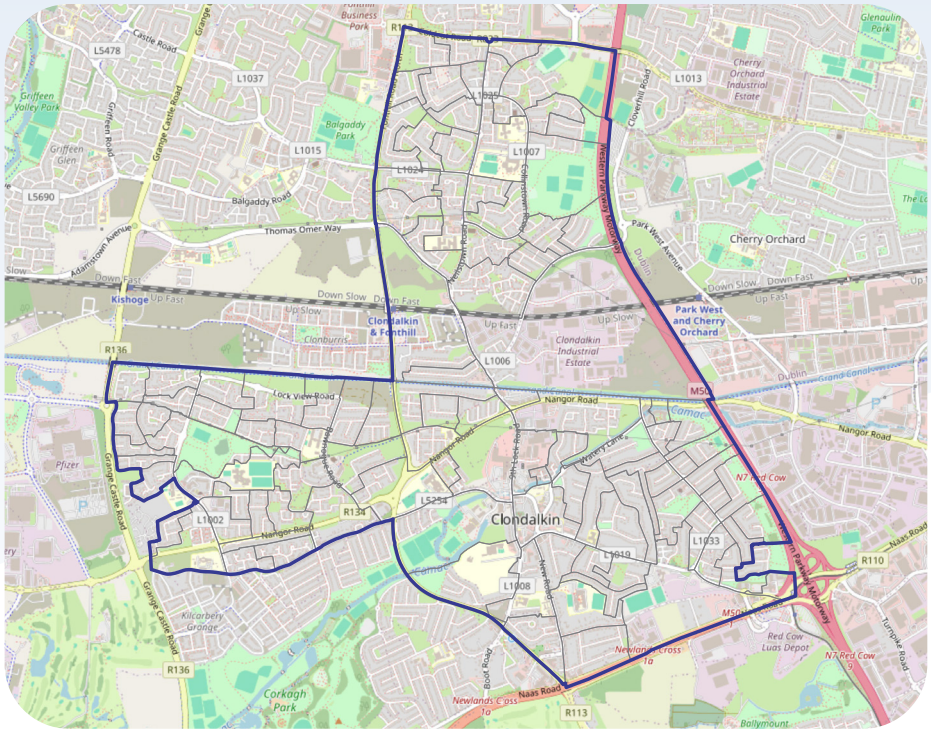
This information booklet translates the detailed Clondalkin Decarbonising Zone Implementation Plan into a guide for residents, community groups, businesses and local partners. It highlights what we aim to do, why it matters, and how people can get involved.



## Why Clondalkin is a Decarbonising Zone

A Decarbonising Zone (DZ) is a local area where communities, organisations and public bodies work together to plan, test and deliver climate solutions. For Clondalkin, the aim is to reduce greenhouse gas emissions while creating a healthier, more connected and more resilient place to live, work, study and visit.

The Decarbonising Zone aims to cut greenhouse gas emissions across Clondalkin by **51% by 2030**, supporting Ireland's transition to a low-carbon future.



# Why does this matter?

Reducing carbon emissions can bring real and lasting benefits to local communities. In the Clondalkin Decarbonising Zone, these benefits could include cleaner air, better health, a stronger local economy, greater resilience to extreme weather and an improved quality of life.

Lower carbon emissions help slow climate change, preserving natural resources, ecosystems, and living conditions for future residents. Communities that act today contribute to a more sustainable future for our children and grandchildren.

South Dublin County Council is working with local communities to support and deliver positive change in Clondalkin and the surrounding area.



# What could the plan achieve?

The plan sets out 24 opportunities for climate action in the Clondalkin DZ across several areas: **community engagement, energy and buildings, transport, flood resilience, nature-based solutions, and circular economy/waste.**

| What does the DZ mean for Clondalkin | |
|---|---|
| Cleaner air and quieter streets | More walking, cycling, public transport, electric buses and cleaner vehicles. |
| Warmer, more comfortable homes | Home energy upgrades, better insulation, heat pumps and rooftop solar where suitable. |
| Greener public spaces | Better protection for rivers, canals, parks and local biodiversity. |
| A stronger local community | Climate hubs, library supports, schools programmes, community events and funding opportunities. |

Scan the QR Code below to view the full report or please visit: www.sdcc.ie/climateaction/

# The Clondalkin DZ Today

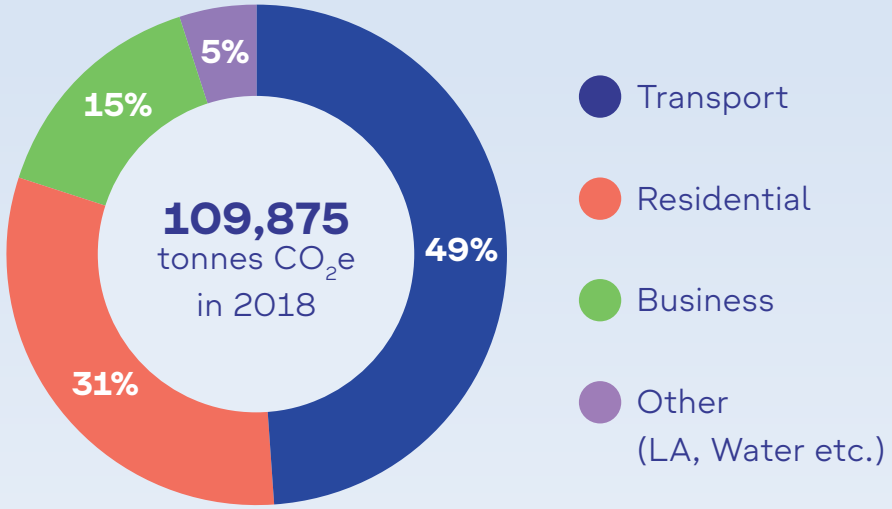
The DZ includes Clondalkin town centre and surrounding residential, commercial, green space and transport areas, stretching broadly from the M50 in the east to Fonthill Road in the west, and from the N7/Red Cow area in the south to Coldcut Road and Liffey Valley in the north.

**33,000**
people in the zone

**10,935+**
homes

**410+**
commercial buildings

**8.11 km²**
decarbonising zone area




Where Clondalkin DZ Emissions come from?

# The 2030 Challenge

The main objective of the Clondalkin Decarbonising Zone is to find innovative but achievable ways to reduce greenhouse gas emissions from the area by 51% by 2030, based on 2018 levels (this means cutting the area's climate pollution by more than half). The starting point is the 2018 baseline: 109,875 tonnes $CO_2e$ emitted in the zone.

- **Target: 51% Reduction in GHG Emissions**
  - Current emissions: 109,875 $tCO_2e$
  - Required reduction: 56,036 $tCO_2e$

Interventions in homes, businesses and transport could lower DZ emissions by 40,451 $tCO_2e$

Further Actions + Grid Decarbonisation could lower DZ emissions by 15,585 $tCO_2e$

# Identifying the biggest opportunities

The plan identifies several key interventions which address the largest emission savings in the DZ.

## Residential Emissions

**31%** of total emissions in the DZ

Our homes are a major source of emissions, but they also hold huge potential for climate action

**16,814** tCO2e Reduction needed to achieve our target

**€397.7m** Potential Investment Required

### Key Actions

**HOME ENERGY UPGRADES**

Insulate, seal and upgrade your home to use less energy and stay warmer

**SOLAR PV INSTALLATIONS**

Generate clean, renewable electricity and reduce your reliance on fossil fuels

**HEAT PUMP ADOPTION**

Switch to efficient, lowcarbon heating and hot water with heat pump technology

**Lead Stakeholder**
Householders & Community

## Commercial Emissions

**15%** of total emissions in the DZ

51% of commercial emissions come from properties used for industrial purposes, 36% are used as offices

**5,837** tCO2e Reduction needed to achieve our target

**€42.2m** Potential Investment Required

### Key Actions

**COMMERCIAL ENERGY UPGRADES**

Insulating, sealing and upgrading commercial buildings will use less energy and reduce emissions

**SOLAR PV INSTALLATIONS**

Installing solar on commercial buildings will generate clean, renewable electricity

**Lead Stakeholder**
Business/Property Owners, Clondalkin Community

## Transport Emissions

**49%** of total emissions in the DZ

Transport produces significant emissions, making it a key area for climate action

**17,205** $CO_2$ **tCO2e Reduction** needed to achieve our target

**€155.6m** Potential Investment Required

### Key Actions

**ELECTRIC VEHICLES**

EVs help cut greenhouse gas emissions and support the transition to cleaner transport

**BUS ELECTRIFICATION**

The National Transport Authority aims to deliver a low-emission urban bus fleet by 2030

**IMPROVED CYCLING**

Active travel reduces traffic congestion, improves air quality, and supports healthier lifestyles

**Lead Stakeholder**
National Transport Authority
Clondalkin Community

## Local Authority Emissions

**5%** of total emissions in the DZ

Local authorities are delivering a range of projects to support decarbonisation

**595** $CO_2$ **tCO2e Reduction** needed to achieve our target

**€3.1m** Potential Investment Required

### Key Actions

**FLEET DECARBONISATION**

SDCC is transitioning fleet from petrol/diesel to more sustainable alternatives

**PUBLIC LIGHTING**

Upgrading public lighting to energy efficient LEDs will reduce energy consumption

**DECARBONISING SDCC BUILDINGS**

Installing solar panels will reduce our reliance on fossil fuels

**Lead Stakeholder**
SDCC

# How the community can take part

Engagement with the community took place through surveys, workshops, library sessions, councillor briefings, a consultation group and a wider community event between 2024 and 2025. The community helped shape the vision, mission and priorities for the DZ.



**May 2024**
- Councillors' DZ Information Session 1

**June**
- SDCC Staff Information Session

**July**
- Community Climate Action Survey

**Aug**
- Councillors' DZ Information Session 2

**Sept**
- Local Engement Plan and Survey Analysis Report

**Oct**
- Visioning Workshop Groups 1 & 2
- Dublin Climate Action Week

**Nov**
- Visioning Workshop Groups 3 & 4

**Dec**
- Visioning Workshop Groups 5 & 6

**Jan 2025**
- DZ Consultation Group Workshop 1

**Feb**
- DZ Consultation Group Workshop 2

**March**
- Councillors' DZ Information Session 3

**April**
- Wider Community Group

Recruitment of DZ Consultation Group

Community Engagement and Outreach throughout

## Clondalkin DZ community vision

"In 2050, Clondalkin is a vibrant, connected, inclusive, resourceful community. It is a community which takes action and supports initiatives aimed towards vulnerable communities. It is full of life and nature with sufficient and accessible services for all to enjoy and thrive."

## Clondalkin DZ community mission

"We will support green energy solutions which are community-driven and initiatives that enhance local infrastructure, green spaces and services. We will explore and support the practical implementation of these initiatives by being proactive and encouraging community members of all ages to take action. We will focus on reliable, sustainable transport and improved, inclusive social connectivity, warm energy-efficient homes and education with the aim of encouraging and supporting sustainable living with the community."

Small actions become powerful when they are practical, visible and supported. The plan includes public engagement, community climate funding, school programmes, library supports and partnership with local groups.

# What can I do?

Everyone can play a part in helping Clondalkin achieve its 51% emissions reduction target. Small changes, when taken by thousands of people, can make a big difference.

### At Home

- Improve insulation and reduce energy waste
- Switch to LED lighting and energy-efficient appliances
- Consider solar panels or a heat pump if suitable
- Reduce heating use where possible

### When Travelling

- Walk for short journeys
- Cycle when it is safe and practical
- Choose public transport where possible
- Consider switching to a lower-emission or electric vehicle

### In the Community

- Get involved in local environmental and biodiversity projects
- Take part in climate workshops, library programmes and community events
- Support local sustainability initiatives and community groups

### Reduce, Reuse, Recycle

- Reduce food and household waste
- Repair, reuse and share items where possible
- Choose reusable products and avoid single-use items

### Spread the Word

- Talk to family, friends and neighbours about climate action
- Encourage others to make small sustainable changes



# Implementing the Plan

SDCC is committed to delivering climate actions within its direct sphere of responsibility. However, achieving the target of a 51% reduction in greenhouse gas emissions across the Clondalkin Decarbonising Zone (DZ) will require collaboration and action from a broad range of stakeholders, including businesses, communities, public sector bodies, and residents.

SDCC is already delivering climate action in the DZ, including:

- Provided businesses free sustainability training under the Climate Innovation Programme to assist businesses translate high-level climate theory into practical bottom-line benefits.
- Piloted EnergyCloud in the DZ, which helps households reduce energy bills by redirecting unused off-peak renewable electricity into free hot water.
- SDCC is committed to increasing the number of electric and alternative fuel vehicles within its fleet and by mid-2026 approximately 87% of the fleet has been decarbonised.
- SDCC purchased an electric green machine for street sweeping.
- Across the DZ, SDCC is upgrading Council-owned buildings with energy-saving improvements and solar panels. These measures will reduce energy consumption, cut carbon emissions, and increase the use of renewable energy.




- Funded decarbonisation opportunities across the DZ through the Community Climate Action Fund:

| | |
|---|---|
| Clondalkin Addiction Services Programme | • Energy Efficiency Works - Building Insulation, Windows and Doors Retrofit<br>• Renewable Energy - Solar PV<br>• Food Growing<br>• Project Eco-Friendly Lawnmower |
| Round Towers GAA | • Energy Efficiency Works - LED Floodlights Retrofit |
| North Clondalkin Community Development Programme | • Energy Efficiency Works - Windows and Doors Retrofit |
| ACE Enterprise Park | • Energy Efficiency Works - Windows and Doors Retrofit<br>• Retrofit Internal LED Lights<br>• EV Charging<br>• New Green Space |

To find out more about the Clondalkin Decarbonising Zone scan the QR Code or please visit:
www.sdcc.ie/climateaction/



## Transforming Clondalkin for a Low Carbon Future

Learn more about the Clondalkin Decarbonising Zone and what SDCC's implementation plan aims to achieve by 2030



## Opportunities Within The Decarbonising Zone

Explore the key opportunities for climate action within the Decarbonising Zone



## Case Studies

Learn what projects SDCC are currently progressing in the Clondalkin DZ



## Communities Driving Change

Delivering the Clondalkin DZ together

SDCC
Comhairle Contae
Átha Cliath Theas
South Dublin
County Council

South Dublin County Council,
County Hall, Tallaght, Dublin 24, D24 A3XC.
Comhairle Contae Átha Cliath Theas, Halla an Contae,
Tamhlacht, Átha Cliath 24, D24 A3XC.

**T** 01 414 9000 | **E** info@sdublincoco.ie
**W** www.sdcc.ie | @sdublincoco | SMS: 51678