



# TRANSPORT







## OVERVIEW

**3.5 GWh**  
consumed in 2017

=

**810**  
tonnes CO<sub>2</sub>

## TARGET



**33%**  
IMPROVEMENT  
IN ENERGY  
EFFICIENCY  
BY 2020



**40%**  
REDUCTION  
IN COUNCIL'S  
GHG EMISSIONS  
BY 2030

## EXAMPLES OF MAIN ACTION TYPES

Increasing number of electric  
vehicles in Council fleet



Constructing  
segregated cycle routes

Promoting car sharing



Expanding bike sharing

Implementing and supporting  
cycling campaigns



Working with stakeholders  
to improve public transport routes

## STAKEHOLDERS TO WORK WITH AND INFLUENCE

GENERAL  
PUBLIC

COMMUNITY  
GROUPS

GOVERNMENT  
DEPARTMENTS

ENVIRONMENTAL  
GROUPS

DUBLIN BUS, IRISH RAIL,  
BUS ÉIREANN, LUAS

NATIONAL  
TRANSPORT AUTHORITY



# 3

Dún Laoghaire-Rathdown County Council recognises that the current trends in transportation, in particular the domination of the private car as the preferred mode choice – are unsustainable... In response, the emphasis must be on developing an efficient transport network where an increased proportion of residents of the County are within reasonable walking/cycling distance of local services and quality public transport infrastructure. There must also be a focus on promoting and facilitating the optimum use of existing (and proposed) transport services.

- County Development Plan 2016-2022

DLRCC works with a range of stakeholders to improve sustainable transportation options in the Dublin Region. Key is the National Transport Authority (NTA), which, together with DLRCC and the other Dublin Local Authorities, has produced the *Greater Dublin Area Transport Strategy 2016-2035*. The study lays out a vision for transport in the Dublin Region and builds on the Government's *Smarter Travel - A Sustainable Transport Future* initiative.

The measures that DLRCC can take in this area are:

- Managing travel demand by ensuring land use and transport policies and practices are aligned as part of the planning process
- Planning and implementation of sustainable travel infrastructure including the development of improved walking and cycling routes, enhanced public realm areas, and facilitating the expansion of the EV charge point network
- Expansion of the Council's electric fleet
- Introduction of bike share and car clubs

Promotion of sustainable travel and road safety initiatives can improve the safety of the streets. Furthermore, these measures support citizens in choosing sustainable modes of transportation and ultimately, Ireland's transition to a low-carbon future.



Photo Source: Dún Laoghaire-Rathdown County Council

## OPERATIONS

Dún Laoghaire-Rathdown County Council's vehicle fleet consists of 246 vehicles; the Council is committed to increasing its electric fleet on a phased basis, with five electric cars and six electric vans currently in its fleet. In 2017, the fleet used 3.5 GWh of primary energy. This accounted for 7% of the Council's total emissions due to the reliance of the fleet on petrol and diesel.

Converting the fleet to low-carbon vehicles is essential to reducing carbon emissions, and the Council is implementing a replacement programme for the electrification of DLRCC's fleet, where possible, to be completed by 2030.

By upgrading its vehicles, the Council will reduce the impact of its fleet on local air quality by reducing nitrogen dioxide associated with diesel vehicles.



## PLANNING & PUBLIC REALM

**3** The sustainable urban village concept is based on the premise that people should be able to access most of their daily living requirements within easy reach, preferably within walking distance of their homes. This concept, which focuses on reducing the need to travel by private car, is central to the principles of sustainable development.

- County Development Plan 2016-2022

Planning for a region that is adapted to climate change is also about creating spaces that support high quality living. Key to encouraging people to walk and cycle is the design of streets and the public realm. DLRCC is working to implement street design guidelines that make the streets more inviting and improve the public realm. DLRCC is also in the process of developing a public lighting master plan that will contribute to Dún Laoghaire-Rathdown's transition into a low-carbon County. By converting lights to energy efficient LEDs, DLRCC is also improving the ambiance and safety of streets for pedestrians and cyclists.



Photo Source: Fáilte Ireland

## ACTIVE TRANSPORT & BEHAVIOUR CHANGE

**3** A key aim of Smarter Travel is to ensure that walking and cycling become the mode of choice for local trips. The Council will continue to promote and provide for the development of cycling and walking as healthy sustainable attractive transport modes in the County for commuting, short utility trips, recreation trips and trips to schools/ colleges. It is proposed that, over the lifetime of the [Development] Plan, the Council will develop a Walking and Cycling Policy for the County.

- County Development Plan 2016-2022

Encouraging people to walk or cycle will help DLRCC to respond to climate change. The Council is actively working to secure the development of a high quality walking and cycling network across the County to prioritise the safety of pedestrians and cyclists. Routes are being retrofitted on all key nodes in the County to enhance pedestrian and cyclists' facilities. Village improvement schemes are also being developed to enrich the public realm and enhance the pedestrian and cyclist environment. Furthermore, DLRCC is actively increasing the availability of cycle parking County-wide, including at public transportation stations, in order to add to the existing 2,000 bicycle parking spaces.

As part of the planning process, new developments are required to maximise permeability and connectivity for pedestrians and cyclists to create direct attractive links to adjacent road and public transport networks.

To encourage people to explore the region from its coast to mountains by foot or by cycling, DLRCC has developed a County-wide cycling map and leaflets for key off-road routes to support residents, commuters and visitors.



Photo Source: Dún Laoghaire-Rathdown County Council

### BleeperBike – Stationless Bike Share

In November 2017, DLRCC launched Ireland's first County-wide stationless bike sharing scheme. The trial has seen 50 BleeperBikes deployed at 12 locations across the County, including University College Dublin (UCD), Dalkey, Shankill, and Dún Laoghaire. The 'smart' bikes can be accessed via a mobile phone app that is used to locate and unlock bikes. Bikes can be parked at a BleeperBike Station or left at the user's final destination. DLRCC plans to expand the scheme to 100 bikes, depending on the uptake.

## SUSTAINABLE CAR USE

### Electric Vehicles

Dún Laoghaire-Rathdown County Council is the first local authority in Ireland to trial charging points for electric vehicles on street lamps, with a pilot street lamp up and running on Crofton Road.

With over 12 electric charge points in the County available to the public, there are also plans to increase the number of public charge points, including the addition of charging units to public lighting poles. DLRCC will work closely with SEAI and ESB in the provision of additional on-street EV charging points around the County. DLRCC also seeks the provision of electric charging facilities for residential and commercial developments as part of the planning process. The Council is committed to increasing its electric fleet on a phased basis, with 5 electric cars and 6 electric vans currently in our fleet.



Photo Source: Dún Laoghaire-Rathdown County Council

### Car Club

A pilot car club (short term car hire) was set up in the County in 2017, in conjunction with GoCar. This encourages the use of car club vehicles for occasional trips rather than owning a car. DLRCC is also planning to introduce by-laws for car clubs, and is encouraging the provision of car clubs in large residential and commercial developments to facilitate overall reduced car parking.



## PUBLIC TRANSPORT

**In order to ensure an efficient, reliable and effective bus system, it is intended, as part of the [Transport] Strategy, to develop the Core Bus network to achieve, as far as practicable, continuous priority for bus movement on the portions of the Core Bus Network within the Metropolitan Area. This will mean enhanced bus lane provision on these corridors, removing current delays on the bus network in the relevant locations and enabling the bus to provide a faster alternative to car traffic along these routes, making bus transport a more attractive alternative for road users.**

- Transport Strategy for the Greater Dublin Area 2016-2035, NTA

The efficiency of any public transport system is directly correlated to population density. Therefore, the full value of investment in transport can only be realised when it is accompanied by reinforcing land use policies and practices.

DLRCC will work with relevant transportation bodies (National Transport Authority, Transport Infrastructure Ireland, Dublin Bus, Luas, Irish Rail, Bus Éireann, Road Safety Authority) to enhance public transport options and develop sustainable travel infrastructure.

The NTA is currently involved in many public transport projects in the County, including Metrolink and Bus Connects. It has also developed a range of integration measures to promote and integrate public transport provision, such as the Real Time Passenger Information system, the Leap Card integrated ticketing system and the national journey planner, which is a door-to-door journey planner that provides service information, directions, and time estimates for all journeys on public transport.



Photo Source: WikiCommons / Terencewiki





# TRANSPORT

| NO  | ACTION  | TIMEFRAME | LEAD(S)                     | INDICATORS  | TARGET(S) IMPACTED |
|---|---|-----------|-----------------------------|---|--------------------|
| <b>ACTIONS CURRENTLY BUDGETED</b>           |   |           |                             |   |                    |
| <b>OPERATIONS</b>                           |   |           |                             |   |                    |
| 1   | Increase number of electric vehicles in the Council fleet | Ongoing   | Ballyogan Operations Centre | # of EVs procured   |                    |
| <b>PLANNING &amp; PUBLIC REALM</b>          |   |           |                             |   |                    |
| 2   | Reduce street parking                                     | Ongoing   | Traffic                     | Reduction in on-street car parking numbers  |                    |
| <b>ACTIVE TRAVEL &amp; BEHAVIOUR CHANGE</b> |   |           |                             |   |                    |
| 3   | Promotion of road safety and active travel in schools     | Ongoing   | Traffic                     | # of road safety events and initiatives   |                    |
| 4   | Develop and expand the County walking network             | Ongoing   | Traffic, Road Maintenance   | Length of footway improved, # of new pedestrian crossings, # of pedestrian crossings upgraded with LED lights |                    |
| 5   | dlr Sports Partnership organised walks                    | Ongoing   | dlr Sports partnership      | # of walks, # of people attending   |                    |
| 6   | Permeability and connectivity in planning process         | Ongoing   | Transport Planning          | Adopted development plan includes permeability  |                    |
| 7   | Develop and extend cycle network                          | Ongoing   | Traffic                     | # km of cycle routes  |                    |
| 8   | Cycle Training Programme in schools                       | Ongoing   | Traffic                     | # of students trained   |                    |
| 9   | Develop County bike sharing scheme                        | Ongoing   | Traffic                     | # of bikes in County  |                    |
| 10  | Cycle parking in public realm                             | Ongoing   | Traffic                     | # of additional cycle parking spaces  |                    |
| 11  | 30 km/h speed limits                                      | Ongoing   | Traffic                     | # of roads with 30 km/h speed limit   |                    |
| 12  | Road maintenance improvements                             | Ongoing   | Road Maintenance            | Km of regional and local roads with improvement works carried out   |                    |
| <b>PUBLIC TRANSPORT</b>                     |   |           |                             |   |                    |
| 13  | Expand bus network in the County                          | Ongoing   | Traffic, NTA                | Work with NTA on Bus Connects   |                    |

| NO | ACTION   | TIMEFRAME | LEAD(S)                  | INDICATORS  | TARGET(S) IMPACTED    |
|----|--|-----------|--------------------------|---|-----------------------|
| 14 | Expand rail network in the County  | Ongoing   | Transport Planning       | Work with NTA and Transport Infrastructure Ireland on MetroLink and Luas expansion  | GHG                   |
| 15 | Expand car clubs in the County   | Ongoing   | Traffic                  | Regulation of car clubs and number of car club vehicles   | GHG                   |
| 16 | Expand EV network in the County  | Ongoing   | Traffic, Public Lighting | # of EV charge points   | GHG                   |
| 17 | Engagement with citizens on new sustainable travel initiatives and schemes | Ongoing   | Traffic                  | # of interactions from citizens on DLR Public Consultation Hub on infrastructure schemes and sustainable travel initiatives | GHG, Public Awareness |

## ACTIONS AWAITING BUDGET

|    |   |         |                             |  |     |
|----|---|---------|-----------------------------|--|-----|
| 18 | Replacement of diesel hand sweepers/diesel power washers with electric models | Ongoing | Ballyogan Operations Centre | % reduction over initial benchmark, % of CO <sub>2</sub> saved | GHG |
|----|---|---------|-----------------------------|--|-----|

## EXAMPLES OF RELEVANT LEGISLATION/POLICIES/GUIDANCE

- Climate Action and Low Carbon Development Act 2015
- Design Manual for Urban Roads and Streets (DMURS)
- dlrcoco County Development Plan 2016 - 2022 (Policies STII; ST2; ST3; ST5; ST7; ST8; ST10; ST24)
- Electric Vehicle Grant Scheme and VRT Relief
- Greater Dublin Area Transport Strategy 2016-2035
- National Cycle Policy Framework 2009-2020 and National Cycle Manual
- National Transport Authority's Permeability Best Practice Guide
- Public Transport Act 2016
- Smarter Travel: A New Transport Policy for Ireland 2009-2020