



TRANSPORT





OVERVIEW

6.4 GWhCONSUMED IN 2017 =
1,530 TONNES OF CO₂**230**VEHICLES IN
COUNCIL FLEET

TARGET

**33%**IMPROVEMENT
IN ENERGY
EFFICIENCY
BY 2020**40%**REDUCTION
IN COUNCIL'S
GHG EMISSIONS
BY 2030

EXAMPLES OF MAIN ACTION TYPES

Converting council fleet
to lower emission vehiclesDelivering a County
cycle and greenway networkIncreasing number of
public bike facilitiesPromoting Cycle-to-Work
scheme to council staffPromoting a modal shift
to active travelWorking with stakeholders
to build out public transport routes

STAKEHOLDERS TO WORK WITH AND INFLUENCE

GENERAL
PUBLICCOMMUNITY
GROUPSGOVERNMENT
DEPARTMENTSENVIRONMENTAL
GROUPSDUBLIN BUS, IRISH RAIL
BUS ÉIREANNNATIONAL TRANSPORT
AUTHORITY, TRANSPORT
INFRASTRUCTURE IRELAND



The integration of land-use and transport ... ensures that places where people live are either close to, or are connected by public transport, to their places of work or education, thereby allowing people to use the most sustainable modes of transport, namely walking, cycling and public transport.

- Fingal Development Plan 2017-2023

Transport contributes to a significant amount of GHG emissions within the Fingal area. Walking, cycling and public transport currently accounts for just 38.6% of all journeys, and the target is to increase this figure to 50%. Therefore, through its own development plan strategy and policies, FCC promotes the integration of land use and transportation, and works with a range of stakeholders to improve transportation in Fingal and encourage modal shift away from private cars to more sustainable alternatives, in order to achieve this target.

Towards this, Fingal County Council worked with the National Transport Authority (NTA) and neighbouring local authorities to produce the *Greater Dublin Area Transport Strategy 2016-2035*, which sets out a strategic vision for transport in Dublin, and builds on the government’s *Smarter Travel – A Sustainable Transport Future 2009 – 2020* plan. Both of these plans aim to improve how people get to their destination. In addition, along with promoting sustainable transport, FCC has reduced speed limits in certain residential areas and introduced traffic calming measures to improve the safety of the streets.



Photo Source: Fingal County Council

OPERATIONS

Fingal County Council’s transport fleet is made up of 230 vehicles, which consumed 6.4 GWh of energy in 2017 and accounted for 12% of the Council’s total emissions, due to its reliance on petrol and diesel. Converting the fleet to electric vehicles is essential to reducing these carbon emissions, and the Council is implementing a replacement programme that aims to electrify FCC’s fleet, where possible, by 2030.

To begin this process, Fingal County Council has recently added five new electric vehicles to its fleet, in an effort to promote sustainability and tackle climate change. The fully-electric Citroen Berlingo vans mark the beginning of Fingal’s transition to the electrification of its fleet.

Twelve charging points were also recently installed across Fingal, where electric vehicles are expected to take just 30 minutes to completely re-charge at these points.



CASE STUDY



Photo Source: Wikimedia Commons / Peter Gerken

Swords – Green City

Planning for the MetroLink and its significant economic stimulus, Fingal County Council has developed the Strategic Vision 2035 for Swords. By encouraging a process of mutual partnership between all stakeholders, it is intended to facilitate the achievement of environmental targets. The Strategic Vision 2035 aims to develop Swords as a sustainable town by incorporating the following elements:

- A Green City in terms of the physical landscape and sustainable environmental objectives
- A town with well-defined boundaries and a strong landscape setting
- A high-quality landscape setting with a network of public open spaces and parks
- Energy efficient buildings and green technology
- An integrated transport strategy comprising significant public transport services (including BusConnects and Metrolink) and strategic pedestrian, cycling and road infrastructure
- A vibrant economy with flagship retailers and a unique and attractive town centre
- An improved employment base, in terms of the number and quality of jobs available within Swords
- Improved quality of life for residents, businesses and visitors

PLANNING & PUBLIC REALM

3

Central to placemaking is the development of sustainable communities, where communities are able to evolve and the needs of today can be facilitated without compromising the ability of future generations to meet their own needs... Access to public transport, education, community facilities, leisure, retail, health services and jobs are as important as the aesthetic of a place.

- Fingal Development Plan 2017-2023

Key to encouraging people to walk and cycle is the design of streets and the public realm. FCC is working to implement street design guidelines that make the streets more inviting and improve the public realm. This includes incorporating green infrastructure into the streetscape, which also reduces risk of urban heat islands and provides sustainable urban drainage. Improved, low-energy lighting will create a safer night-time environment for pedestrians and cyclists. FCC is also in the process of developing a public lighting master plan that will improve the ambience and safety of streets for pedestrians and cyclists.

ACTIVE TRAVEL & BEHAVIOUR CHANGE

3

To promote the development of cycling in the County, a comprehensive network of cycle routes will be established throughout the County with the emphasis on promoting direct, comfortable, convenient, and safe routes.

- Fingal Development Plan 2017-2023

Encouraging people to walk or cycle will help FCC to respond to climate change. Moreover, promotion of active travel will improve the health of citizens. Of the transportation modes that FCC can influence and shape, cycling has been the predominant focus.



To encourage the uptake of cycling and walking, FCC is actively working to improve pedestrian and cycling infrastructure, and is prioritising the safety of cyclists through the development of segregated cycle paths where possible. Proposed projects include cycleways at Broadmeadow Estuary, Snugborough Interchange, the Hole in the Wall and Kilshane Cross. The Council is actively advancing a number of specific cycle facilities across the county including the Fingal Coastal Way, the Broadmeadow Way, the Harry Reynolds Road Cycle Route and the Royal Canal Urban Greenway. Alongside this, a number of road schemes are being developed that will include high quality cycle facilities such as the Donabate Distributor Road, Rathbeale Road Upgrade and Snugborough Interchange.

FCC will also work with relevant transport bodies and businesses to expand the availability of bicycle parking to enable people to cycle to and from key public transport nodes. FCC has been developing and implementing successful behavioural change programmes to encourage more sustainable forms of transport, by providing opportunities for road safety education. For example, in partnership with An Taisce's Green Schools, the Council is encouraging thousands of children and their parents to walk, cycle or scoot to school and over 2,500 students have participated in cycle safety training.

PUBLIC TRANSPORT

FCC will continue to work with the relevant transportation bodies (National Transport Authority, Transport for Ireland, Dublin Bus, Irish Rail, Bus Éireann, Road Safety Authority) to introduce measures to achieve modal shift, and promote interchange between modes. Fingal is in ongoing dialogue with the NTA and TII regarding the provision of high quality passenger facilities to accommodate the increased numbers expected to use public transport as a result of proposed schemes such as MetroLink and BusConnects.



TRANSPORT



| NO | ACTION | TIMEFRAME | LEAD DEPT(S) | INDICATORS | TARGET(S) IMPACTED |
|----|--------|-----------|--------------|------------|--------------------|
|----|--------|-----------|--------------|------------|--------------------|

ACTIONS CURRENTLY BUDGETED

STAFF TRAVEL

| | | | | | |
|---|---|---------|---------------------------|----------------------------------|--|
| 1 | Install quality teleconferencing facilities between Blanchardstown and Swords | 2019 | I.T. | Facilities installed | |
| 2 | Modernise the workplace to facilitate flexible working arrangements to reduce staff travel (e.g. Skype) | 2019 | Human Resources / I.T. | Modernisation programme underway | |
| 3 | Implement carbon offset programme for official flights | 2019 | Corporate, Climate Action | Programme implemented | |
| 4 | Promotion of Cycle-to-Work Scheme for Council staff | Ongoing | Human Resources | # of staff availing of scheme | |
| 5 | Provide an electric vehicle in County Hall courtyard and Blanchardstown for use by staff travelling to site visits and meetings | 2019 | HR / Operations | EVs provided | |

OPERATIONS

| | | | | | |
|---|---|--------------|------------------------------|-----------------------------------|--|
| 6 | Continued electrification of the Council's vehicle fleet as market technology develops | 2018 onwards | Operations | % of total fleet converted to EVs | |
| 7 | Expand availability of EV charging points for Council staff and operational vehicles | 2019 | Operations | # of charging points | |
| 8 | Electric vehicle charge points to be provided in car parking for new Fingal Corporate buildings and social housing where technically feasible | Ongoing | All departments / Architects | # of EV charge points provided | |
| 9 | Provide eco driving training to Council drivers | 2019 | Human Resources | # of staff trained | |



INTEGRATION OF SPATIAL PLANNING & TRANSPORT



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|----|--|---------|--|---|--|
| 10 | To plan spatial development patterns which reduce transport demand and encourage low carbon transport modes. E.g. consolidation of the existing communities already served by public transport and close to established social and community infrastructure and the creation of new communities serviced by high quality transport links | Ongoing | Planning & Strategic Infrastructure / Operations | Kms of cycle routes, # of schemes completed | |
|----|--|---------|--|---|--|



TRANSPORT

| NO | ACTION | TIMEFRAME | LEAD DEPT(S) | INDICATORS | TARGET(S) IMPACTED |
|---|--|-----------|---|--|--------------------|
| ACTIONS CURRENTLY BUDGETED | | | | | |
| 11 | Promote the installation of EV charge points in curtilage, for all new house constructions in Fingal | 2019 | Planning & Strategic Infrastructure | Policy adopted | |
| ACTIVE TRAVEL & BEHAVIOUR CHANGE | | | | | |
| 12 | Build out Fingal's cycle network offering direct routes to local destinations and public transportation hubs. Develop linked cycling trails, greenways and green belts for recreation and biodiversity protection | Ongoing | Planning & Strategic Infrastructure, Operations | Kms of cycle routes, # of schemes completed | |
| 13 | Advance the provision of new cycle networks across the County such as the Fingal Coastal Way, the Sutton to Malahide Cycleway, the Broadmeadow Way, the Harry Reynolds Road Cycle Route and the Royal Canal Urban Greenway, etc. | Ongoing | Planning and Strategic Infrastructure, Operations | Kms of cycle routes, # of schemes completed | |
| 14 | Advance the construction of the following road schemes which will include a high quality cycle network - Donabate Distributor Road, Rathbeale Road Upgrade and Snugborough Interchange and Ongar - Barnhill Link Road, etc. | Ongoing | Planning and Strategic Infrastructure, Operations | Kms of cycle routes, # of schemes completed, map produced | |
| 15 | Implement traffic calming programme including provision of new signalised pedestrian crossings | Ongoing | Operations | # of traffic calming measures | |
| 16 | Regular maintenance of regional and local roads to encourage modal shift to cycling | Ongoing | Operations | Km of roads maintained that facilitates modal shift | |
| 17 | Improve conditions and uptake of cycling through public realm / local area plans | Ongoing | Planning & Strategic Infrastructure, Operations | # of projects implemented, # of and kms of planned cycle paths | |
| 18 | Re-organisation of allocation of space to pedestrians in the public realm | Ongoing | Planning & Strategic Infrastructure, Operations | Pre and post surveys of pedestrian numbers | |
| 19 | Increase the quantity of bicycle stands in the public domain | Ongoing | Operations | Projects implemented, # of bike stands | |
| 20 | Expand Bike Sharing Schemes in urban areas | 2019-2020 | Operations | # of bikes provided | |
| 21 | Promote and facilitate additional car sharing schemes | 2019 | Operations | # of cars provided | |

| NO | ACTION | TIMEFRAME | LEAD DEPT(S) | INDICATORS | TARGET(S) IMPACTED |
|-------------------------|---|-----------|---|---------------------------------------|---|
| PUBLIC TRANSPORT | | | | | |
| 22 | Develop a policy with NTA for the provision of Park & Ride facilities across the County | 2019 | Operations, Planning & Strategic Infrastructure | Policy developed and sites identified |  |
| 23 | Support the development and expansion of existing public transport services including MetroLink, BusConnects and DART expansion to Balbriggan | Ongoing | Planning & Strategic Infrastructure | Public transport supported |  |

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|--------------------------------|---|-----------|------------|----------------------|---|
| ACTIONS AWAITING BUDGET | | | | | |
| 24 | Expand the availability of EV charge points in towns and villages in line with national policy as it develops | Ongoing | Operations | # of charging points |  |
| 25 | Identify and put in place the resources necessary to develop and implement a cycling strategy | 2019-2020 | Operations | Resources assigned |  |

EXAMPLES OF RELEVANT LEGISLATION/POLICIES/GUIDANCE

- Climate Action and Low Carbon Development Act 2015
- Design Manual for Urban Roads and Streets (DMURS)
- Electric Vehicle Grant Scheme and VRT Relief
- Fingal Development Plan 2017-2023 (Objectives ED64; GI30; MT01; MT31; MT33, MT34; PM26; SS01)
- Greater Dublin Area Transport Strategy 2016-2035
- National Cycle Policy Framework 2009-2020
- National Transport Authority's Permeability Best Practice Guide
- Public Transport Act 2016
- Smarter Travel: A New Transport Policy for Ireland 2009-2020