

COMHAIRLE CONTAE FHINE GALL FINGAL COUNTY COUNCIL

Email: Corporate.Services@fingal.ie

County Hall
Swords
Co. Dublin

Tuesday 20th June 2023

To Each Member of the Climate Action, Biodiversity, Environment Strategic Policy Committee

Dear Councillor

A meeting of the Climate Action, Biodiversity, Environment Strategic Policy Committee will be held in the MS Teams at 4.30 pm on Tuesday, 27th June, 2023 to consider the following Agenda:

Yours Faithfully

Nikki Halleran
Meetings Administrator
Corporate Services

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A G E N D A

- 1 Confirmation and Re-Affirmation of Minutes of the Climate Action, Biodiversity, Environment SPC meeting held on Tuesday 28th March 2023
- 2 Local Authority Climate Action Plan (LACAP) Update
- 3 District Heating Presentation

MOTIONS**4 Councillor A. Tormey - Biodiversity CRMs**

"That the Chief Executive outlines the process through which biodiversity CRMs are responded to and actioned."

**Comhairle Contae Fingall
Fingal County Council**

Minutes of Climate Action, Biodiversity, Environment Strategic Policy Committee

Tuesday, 28th March, 2023

PRESENT

Attending Remotely:

Councillor David Healy, Councillor Joe Newman, Councillor Pamela Conroy, Councillor Mary McCamley, Councillor Paul Mulville, Councillor Aoibheann Tormey, Seamus McGrath, Edward Stevenson, Deborah Coleman SSE Renewables, Martin Sweeney SSE Renewables

The Area Chairperson, David Healy, presided.

OFFICIALS PRESENT

David Storey, Director of Services; John Daly, Senior Engineer; Catherine O'Donovan; Senior Executive Officer, Enda Hoey, Senior Executive Scientist, Kevin Halpenny Senior Parks Superintendent, Aileen O'Connor Senior Executive Parks and Landscape Officer; Hans Visser, Executive Parks Superintendent; Maria Hand, Senior Staff Officer, Noreen Wright, Staff Officer, Sarah McGrath, Staff Officer, Gillian Lynch, Assistant Staff Officer

CABE1/23 (Agenda Item No 1)

**Confirmation and Re-Affirmation of Minutes of Climate Action, Biodiversity,
Environment SPC meeting held on Tuesday 20th December 2022**

The minutes of the meetings of the 20th of December 2022, were **AGREED**. The minutes were proposed by Cllr Healy and seconded by Cllr Mulville.

CABE2/23 (Agenda Item No 2)

Braymore Wind Park Project

Presentation was given by Deborah Coleman and Martin Sweeney, SSE renewables. Presentation to be circulated to members following meeting. Presentation **NOTED**.

CABE3/23 (Agenda Item No 3)
RMCEI update

Presentation given by Mr Enda Hoey which was followed by discussion and questions from the members. Presentation to be circulated to members following meeting. Mr Hoey also informed members that updates are available on the monthly CE report and the National Enforcement Priorities (NEP) annual progress reports are also available on Fingal's website. Presentation **NOTED**.

CABE4/23 (Agenda Item No 4)
Councillor A. Tormey - Implementation of Bye-Laws

"That the Chief Executive report on how litter and dog fouling byelaws are implemented including details and locations for fines issued this Summer."

Response:

The litter wardens are responsible for enforcement of the Litter Pollution Act.

Over the summer months the Litter Wardens continued their campaign to raise awareness of the issue of dog fouling on beaches and carried out extra patrols over the weekends. They spoke with dog walkers about their responsibilities as dog owners and handed out dog fouling bags. They also erected anti dog fouling signage in areas where complaints were received.

Over the period June – September a total of 1089 planned route inspections on litter black spot areas were carried out. Inspections were also carried out on the bring banks in the Fingal area to ensure that there was no dumping. Any dumping found was investigated under the Litter Pollution Act. Investigations were also carried out on reports of abandoned cars. Local businesses were also inspected to ensure they are keeping their premises free of litter. The Litter Wardens have commenced with Halloween business inspections in an effort to reduce the levels of material that may be collected by individuals for use in bonfires.

Litter Fines/Notices Issued June -September 2022

Area	Fines	Notices	Dog Fouling Fines
Castleknock/Mulhuddart	65	22	2
Malahide/Howth	23	31	0
Swords/Balbriggan	71	70	0

The Dog Wardens are responsible for enforcement of the Controls of Dogs Act and also Fingal's Regional Parks and Open Spaces Byelaws.

The Dog wardens' issue 10-day notices for dog licences to members of the public through both door-to-door licence checks and patrols in Fingal's parks and beaches.

10 Day Notices/Fines Issued June – September 2022

Month	10 Day Notices Issued	Fines Issued	Fines Paid
June	431	20	2
July	407	27	7
August	466	27	5
September	385	48	15

Currently there are 3 cases with our solicitor for court and a further 7 prepared to be forwarded for court action.

During September a two-week pilot of evening patrols took place in parks following a number of reports made regarding restricted breed dogs. During this pilot, 4 fines were issued for restricted breed dogs not being muzzled in public and one for an unlicensed dog.

Over the period June – September 2022 there were 193 CRM cases set up relating to dog complaints made to the Environment Department. These calls related to dog bite/attacks, reports of dogs off leash/not under effectual control, stray dogs, dog fouling – all of which are investigated and reported back by the Dog Wardens.

Dog CRMs June, July, Aug, Sep 2022	Total
Jun	44
Jul	26
Aug	69
Sep	54
Total	193

The litter wardens and dog wardens also assisted Howth Tidy Towns with their Community Open Day with particular focus on the Green Dog Walker pledge, attended the Howth Maritime Festival and launched the Bag it, Bin it campaign with Howth Tidy Towns and Rush Tidy Towns. The dog wardens also attended Flavours of Fingal in June, paying particular attention to the regulations regarding restricted breed dogs.

Report ACCEPTED.

CABE5/23 (Agenda Item No 5)

Councillor P. Mulville - Special Amenity Area Orders (SAAO) for Rogerstown, Malahide and Baldoyle Estuaries

“That the Chief Executive, given the recent making of the new County Development Plan, outlines her best estimate as to when the process can commence to put in place Special Amenity Area Orders (SAAO) for Rogerstown, Malahide and Baldoyle Estuaries given the urgent need for Special Amenity Area Orders designations as vital to aid the conservation of these European sites and the habitats, flora and fauna

that they have been designated to protect, given the Climate and Biodiversity Emergency declared by Dáil Éireann in May 2019, and the recent pressing recommendations of the Citizens' Assembly on Biodiversity Loss in November 2022."

Response:

It is anticipated that significant survey work will be commissioned at these designated sites over the coming two to three years in line with the provisions of the Fingal Biodiversity Action Plan and specifically the ongoing management of these areas. It is further expected that this data will as appropriate be directly relevant and necessary to the proposed SAAO process.

Report ACCEPTED.

The Meeting ended at 18:19

AREA CHAIRPERSON

DATED

Climate Change Action Plan - LACAP





Requirement of the Climate Action and Low Carbon Development (Amendment) Act,

**S.16 Each Local Authority
'shall make' a Climate
Action Plan**

- **Mitigation & Adaptation**
- **Preparation timeframe – 12 months**
- **Duration 5 years**
- **Approved by Elected Members**

Be consistent with:

- Climate Action Plan
- National Adaptation Framework

Have regard to:

- National Long Term Climate Action Strategy
- Sectoral Adaptation Plans
- Policies of Minister and Government on Climate Change



CAP 2024–2029: Programme

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- DLA CA Teams working together, with CARO & Codema...
- Working to tight timelines – Statutory Plan making process <12months
- Team Engagement and drafting of plan ongoing
- Action Review & Development
- SEA/AA – Consultant appointed and working through the process
- Decarbonising Zone – work in progress to determine baseline emissions and develop a Register of Opportunities.
- Public Consultation scheduled for Sept and Oct 2023.
- Final Plan to be circulated to all Members in January 2024.
- Final Plan for adoption to be brought to Council Meeting in February 2024



Actions

- New targets, 50% 51%,
- Increased level of ambition nationally stemming from CAP23.
- We're looking for a more ambitious action list to be implemented over the next 5 yrs
- Renaming Resource Management theme to Circular Economy and Resource Management;

KEY TARGETS

~~33%~~

improvement in the
Council's **energy**
efficiency by 2020



~~40%~~

reduction in the
Council's **greenhouse**
gas emissions by 2030





Smart Actions

Specific: Define the action as clearly as possible to avoid ambiguity and to set up for measurement more readily.

Measurable: Clarify the action and emphasise in a manner that enables the action to be measured.

Assigned: Actions need to be carried out by someone. It is therefore crucial to assign each action to a lead department that can be held accountable for timely implementation of the action. This makes follow-up easier and provides clarity where more than one department of the local authority is required for implementation to deliver the action.

Realistic: Setting vague or impossible actions will distract from the progress of implementation. Ensure that actions are ambitious but realistic.

Time-bound: Set a time scale for the completion of each action. This will be linked to implementation and progress reporting.



Public Consultation

- Fully coordinated approach with the DLA & CARO, Codema;
- Start to mid Sept for 6-8 weeks;
- Cllr engagement pre Public Consultation



Decarbonizing Zone (DZ)

- Recap: Each LA must establish a DZ;
- ‘an area identified by the local authority, in which a range of climate mitigation measures... can co-exist... approximately 4000 population equivalent in urban areas..... Testbeds..;
- Should Include outline of projects which may be undertaken;
- Action stalled nationally – Dept change Housing to DECC;
- Now a requirement of LACAP;
- DZ working group & codema studying potential in BB;



Questions?

Useful Links:

www.fingal.ie/environment

www.caro.ie

www.dublinclimatechange.ie

www.epa.ie/climate/calculators

<https://www.2030calculator.com/> - for manufacturers & consumers of Goods.

www.seai.ie/grants

<https://www.seai.ie/energyacademy/>

www.recyclinglistsireland.ie

www.mywaste.ie

www.pollinators.ie

www.bleeperbikes.ie

www.consultfingal.ie

Contact:

Email: climateaction@fingal.ie



Fingal County Council

Comhairle Contae Fhine Gall



Blanchardstown District Heating Scheme (BDHS)

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Agenda Item 3

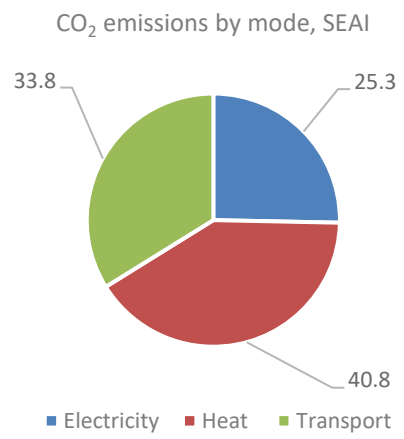
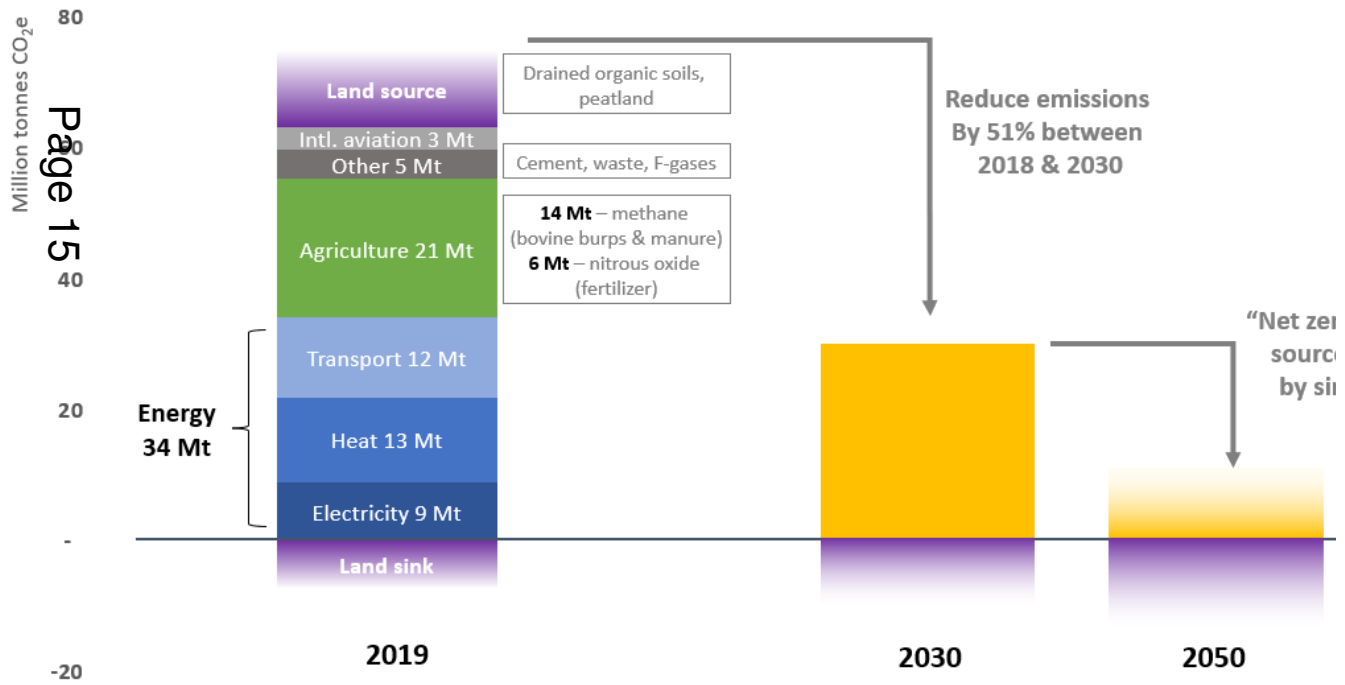
codema
Dublin's Energy Agency

Heat in Ireland



Heat in Ireland

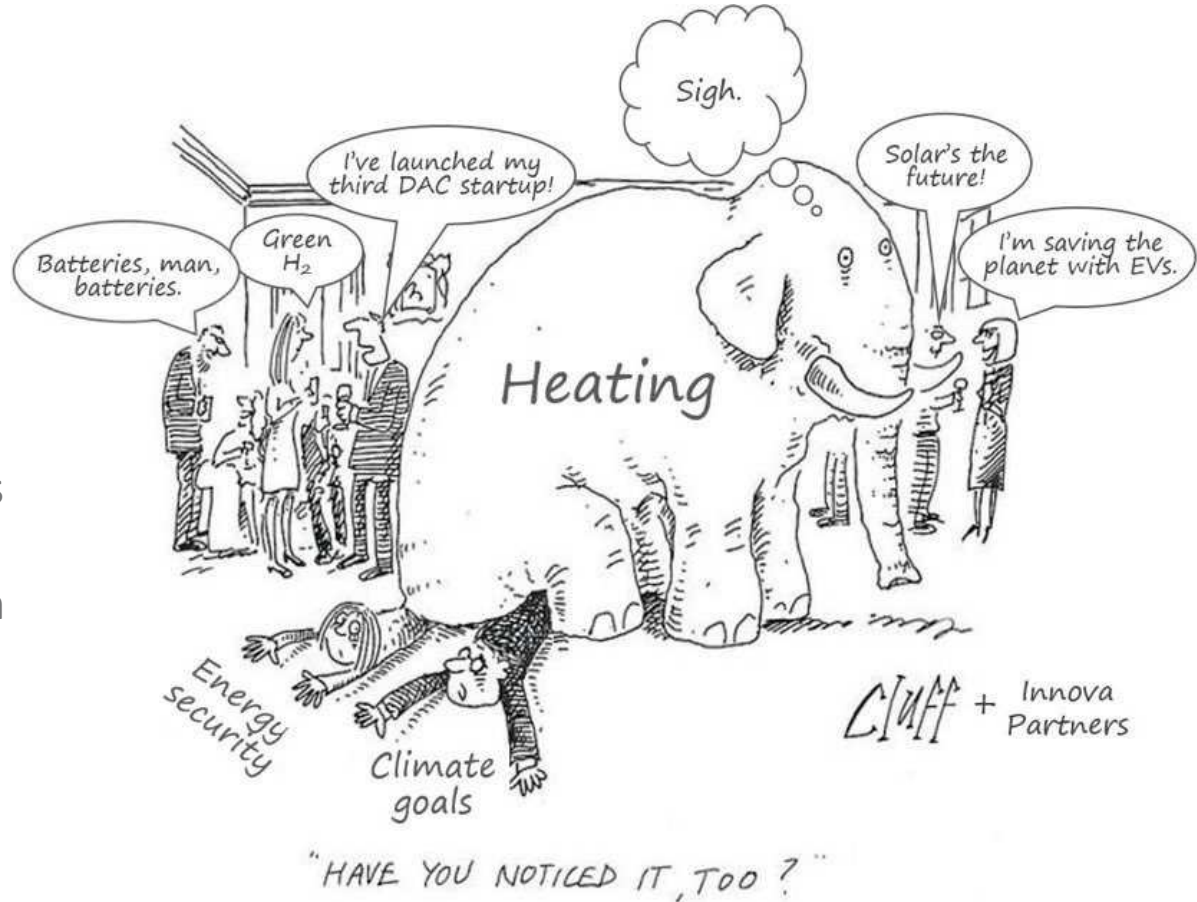
Ireland aims to **halve** greenhouse-gas emissions by 2030 and reach **“net zero”** by 2050



Data from EPA Emissions Inventory (2021)
Graphic by @HannahEDaly

Heat Emissions

- Heat emissions come from ...
 - fossil fuel combustion in homes, businesses and industry
 - indirectly from the use of electricity.
- Ireland depends on fossil fuels for over 90% of its thermal energy, 65% of which relies on imports.



Heating Fingal's Homes & Businesses

Business As Usual: Oil & Gas



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- Cheap in comparison to low carbon alternatives
- Easy to install, established industry and well regulated
- **Not sustainable**

Individual Heat Pumps



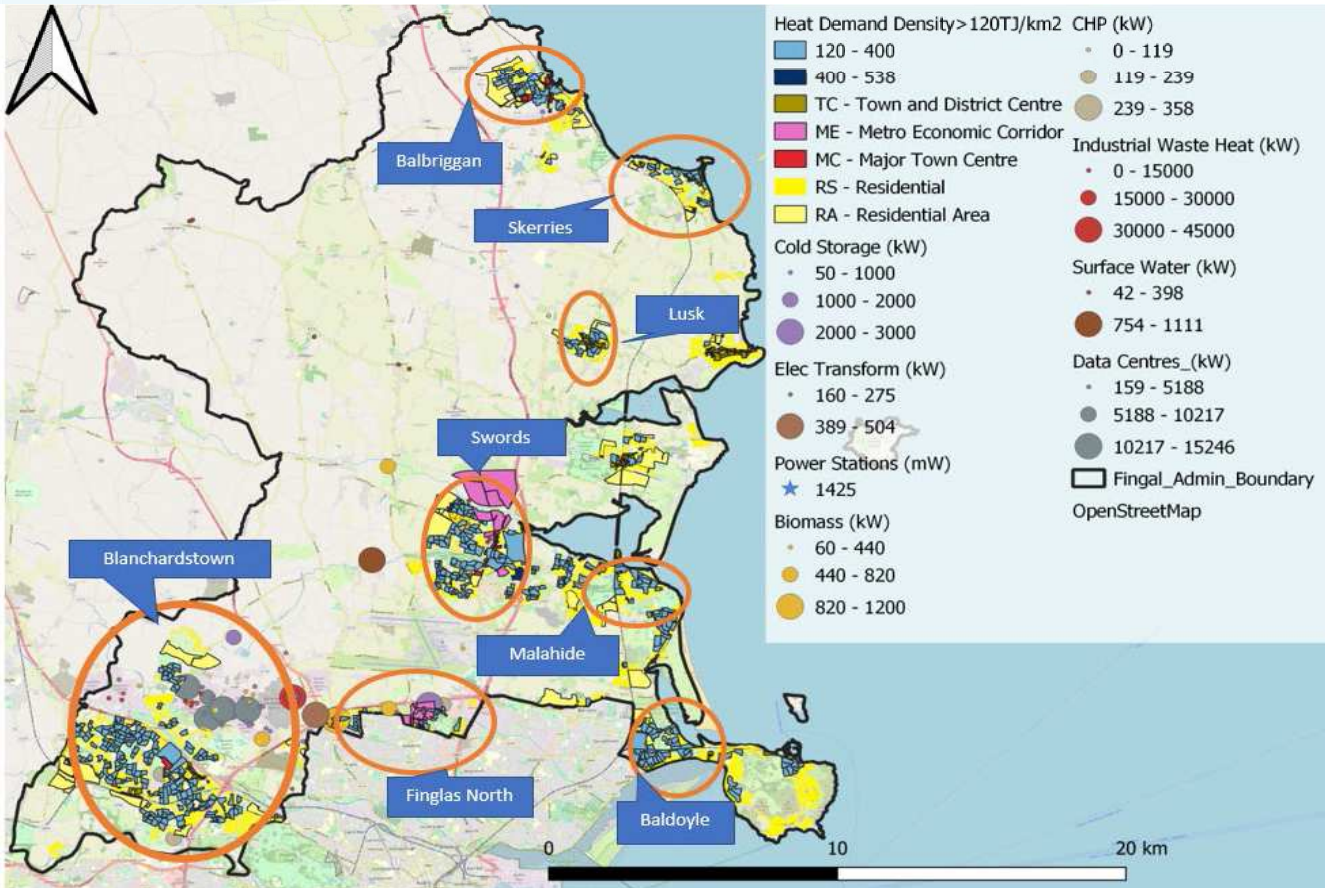
- Will be a key technology for decarbonising heat demand in **lower population density** areas
- Efficiency is often reliant on building fabric improvements
- Will create strain on an increasingly constrained electrical grid

District Heating



- Proven technology
- Infrastructure has a longer lifespan than other alternatives (> 50 years)
- Supply price can be cheaper than individual heat pumps based on higher efficiency

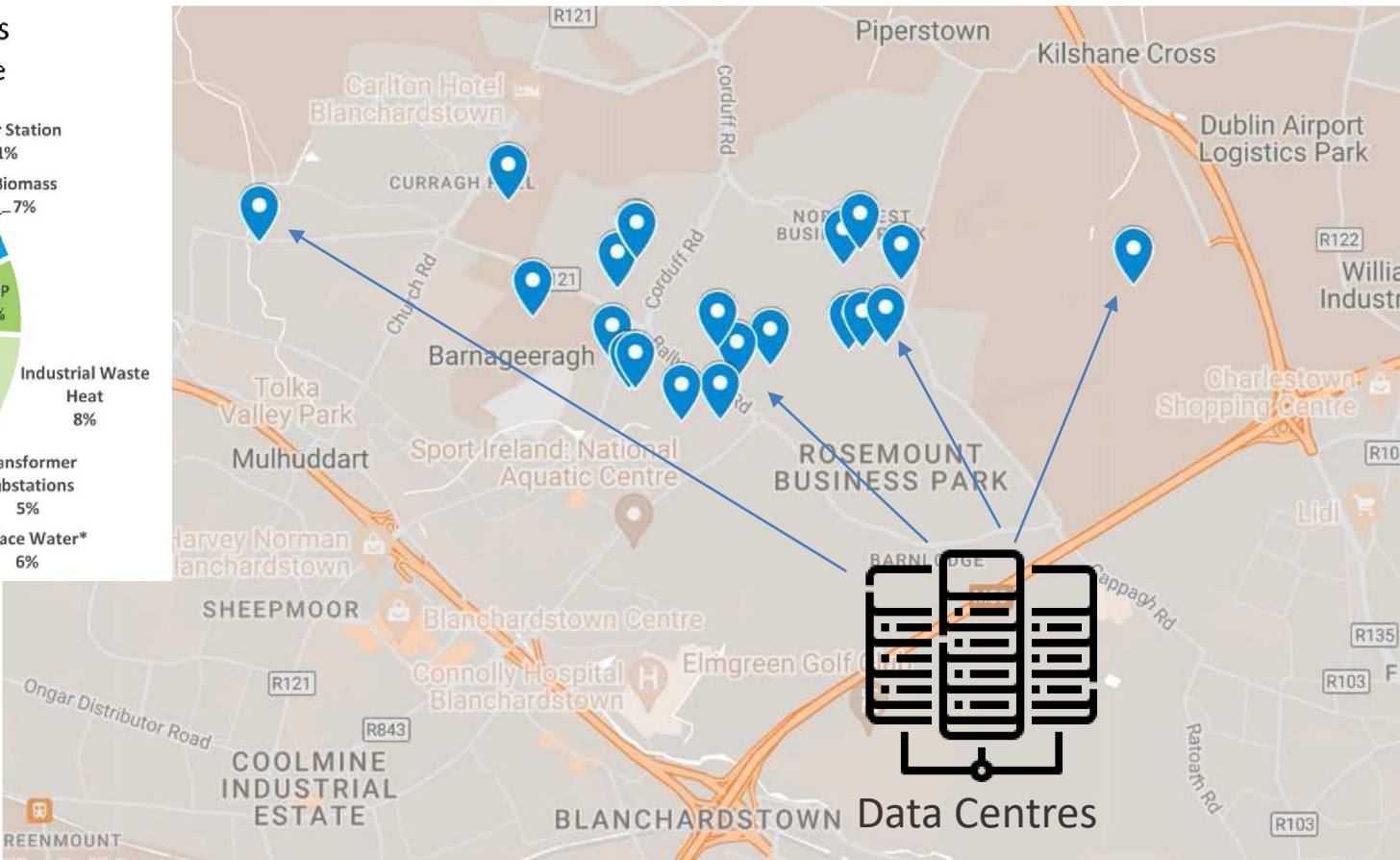
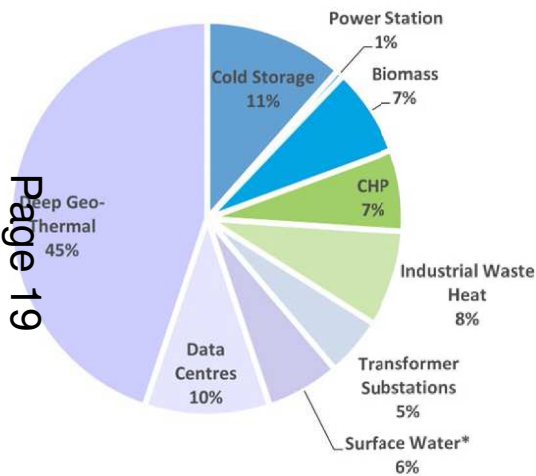
Fingal Energy & CO² Assessment



- Identified Blanchardstown as a high potential area for district heating based on:
 - High heat demand density
 - Proximity to heat sources
 - Minimal spatial barriers

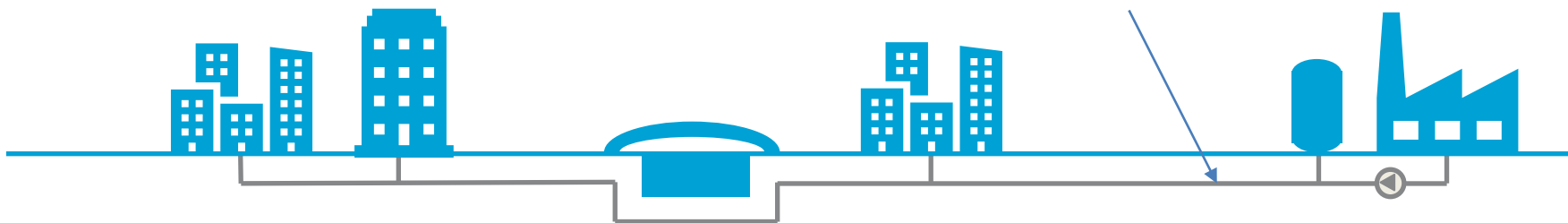
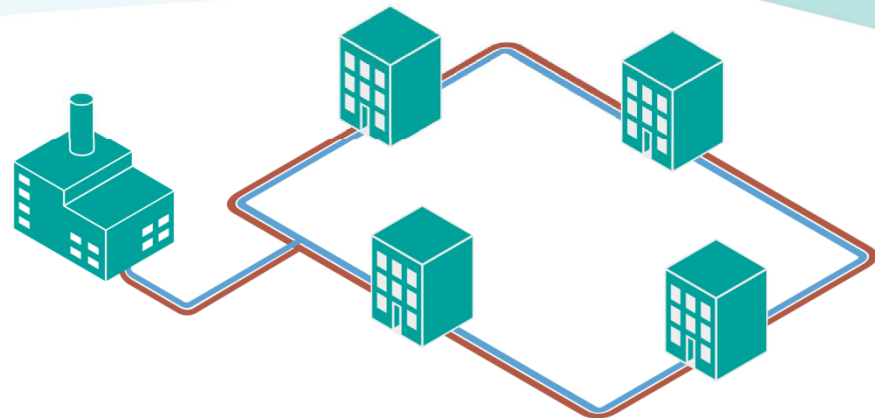
Fingal Data Centres

Quantity of Heat Sources
in Fingal as a percentage



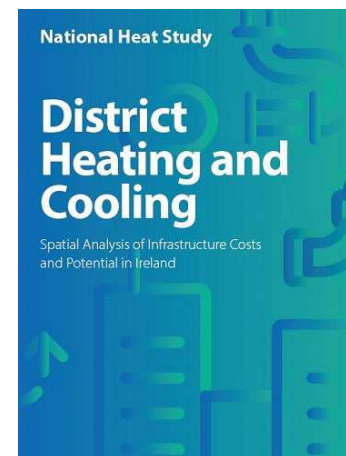
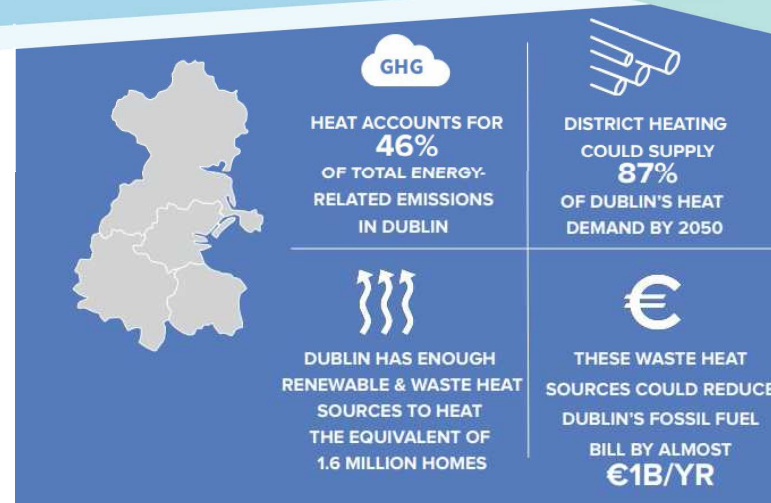
What is District Heating?

- An insulated pipe network, which allows heat generated from a single or several larger centralised source(s) to be delivered to multiple buildings to provide heat.
- The technology is over 100 years old and in cities like Copenhagen , supplies over 99% of heat in buildings
- It can be supplied by various renewable sources including heat pumps, waste heat sources like data centres and rivers, and geothermal energy



DH Policy and Targets

- Climate Action Plan 2023 (CAP23)
 - 0.8 TWh of District Heating by 2025
 - 2.7 TWh of District Heating by 2030
- or 10% of all commercial and residential heat demand in Ireland



Blanchardstown DH (BDHS)



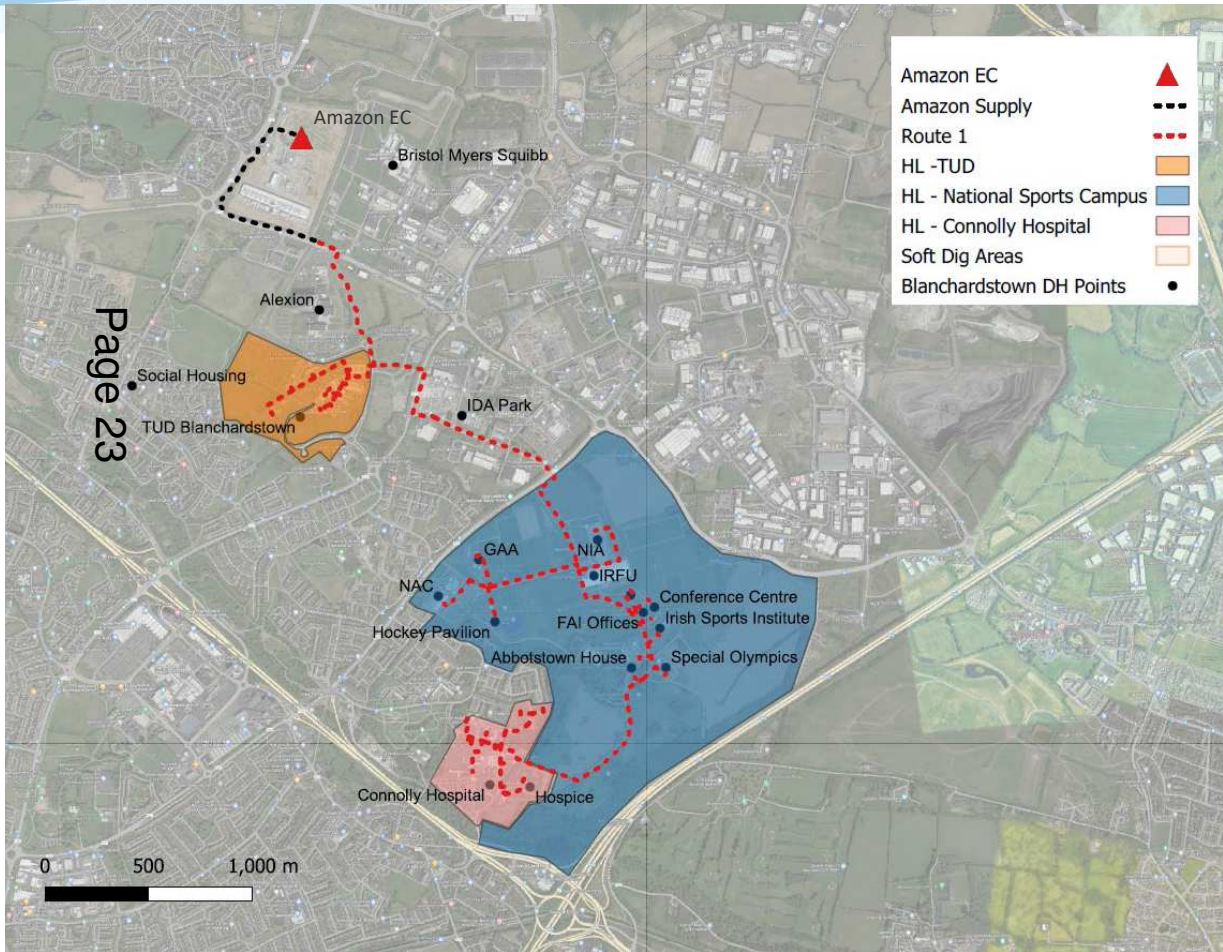
OUTLINE BUSINESS CASE

BLANCHARDSTOWN
DISTRICT HEATING
SCHEME

Comhairle Contae
Fhine Gall
Fingal County
Council

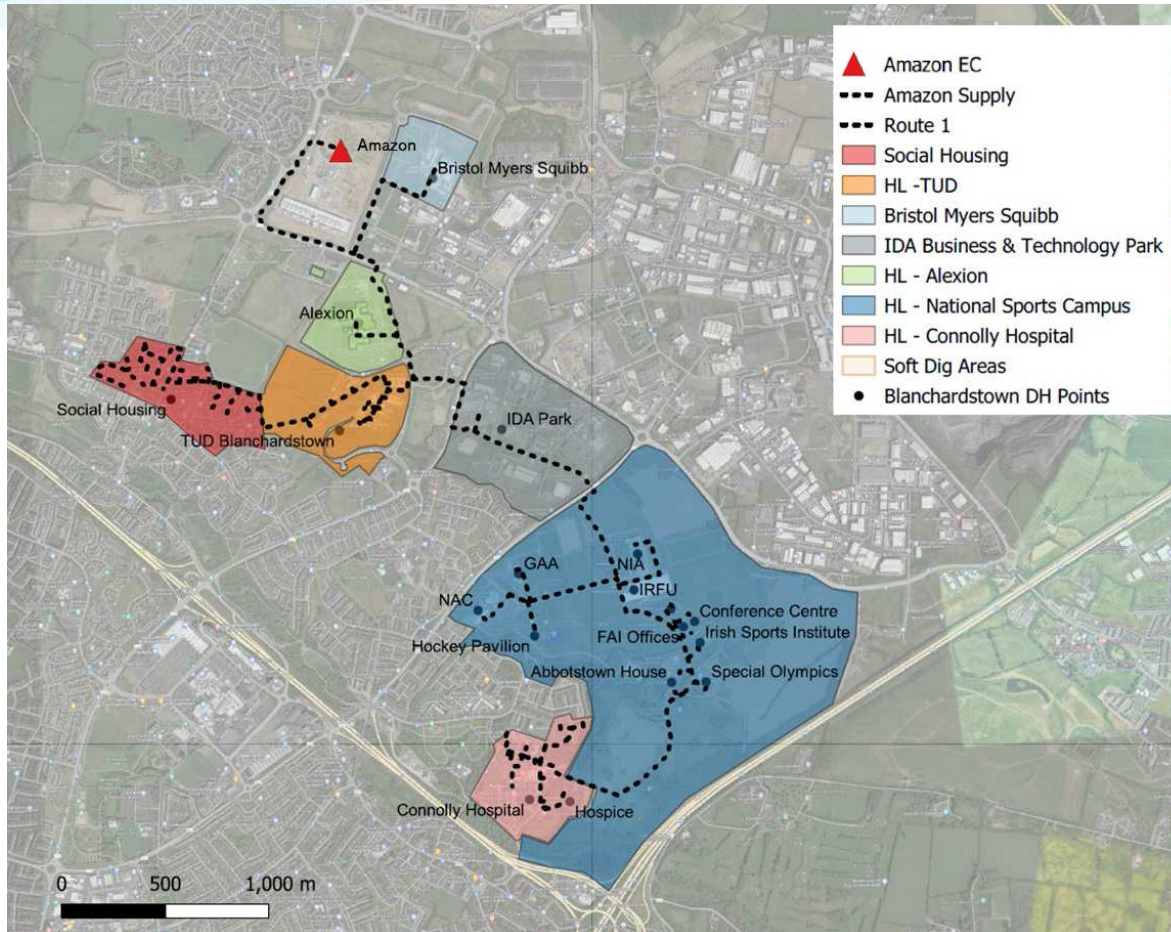


Phase 1



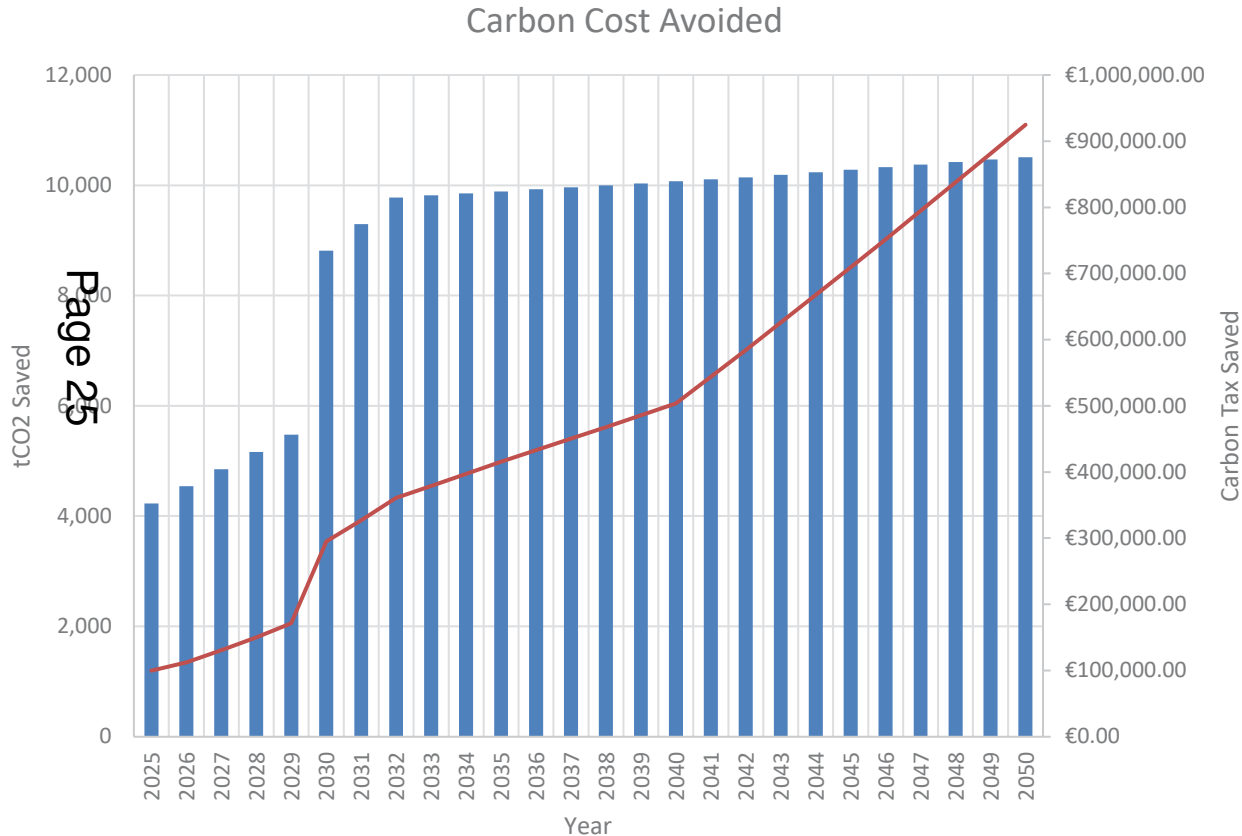
- Connects:
 - TU Dublin
 - Connolly Hospital
 - Sports Ireland Campus.
- Phase 1 = 10 km Pipework
- Supplying **34,500 MWh** of heat demand or the equivalent of **8,625 domestic heat pumps**

Phase 2



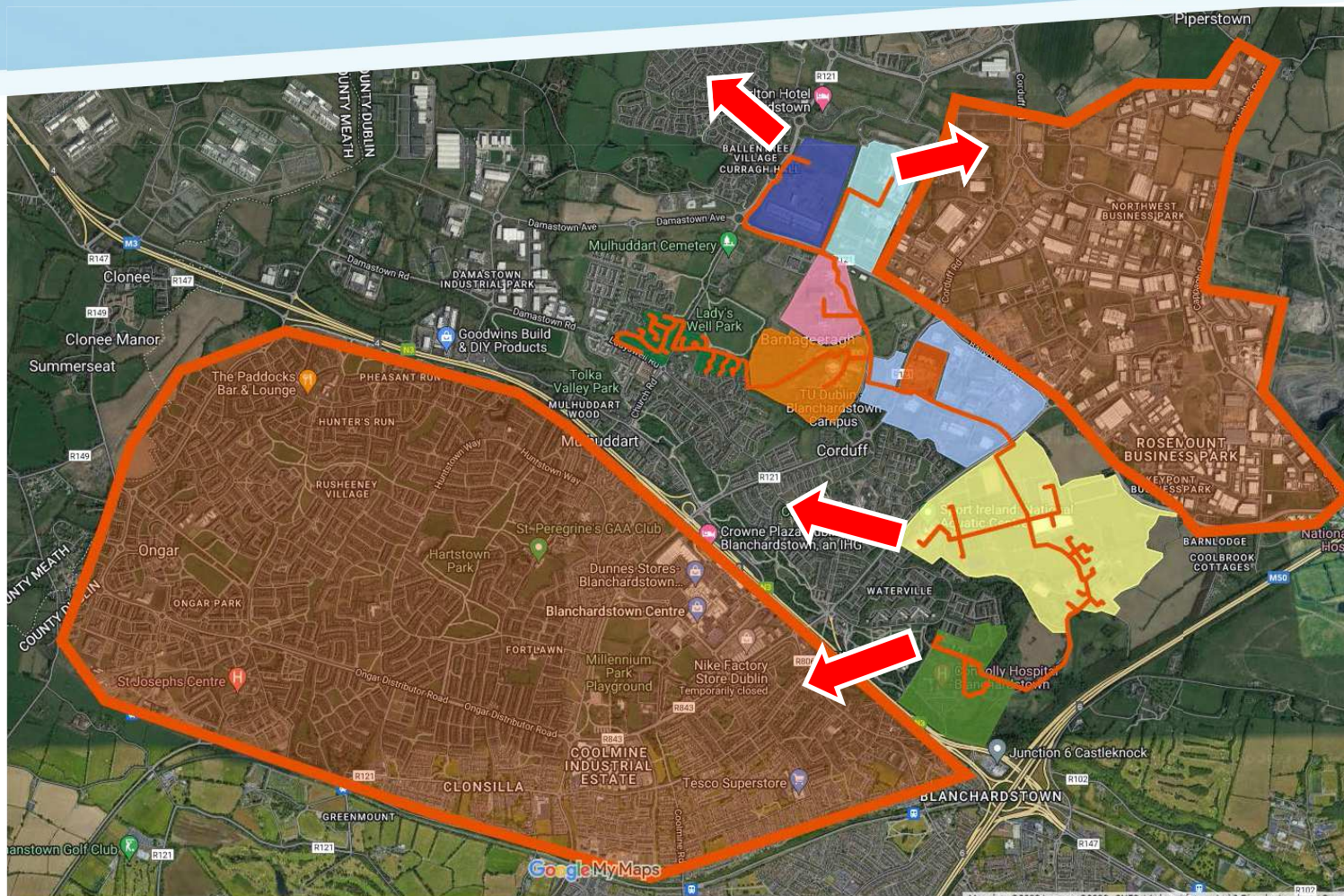
- Connects:
 - FCC Social Housing
 - Alexion
 - Bristol Myers Squibb
- Phase 2 = **15 km Pipework** (5km addition to Phase 1)
- Supplying 53,600 MWh of heat demand or the equivalent of **13,400 domestic heat pumps**, which is also 5 times the size of the Tallaght scheme

BDHS - Decarbonization



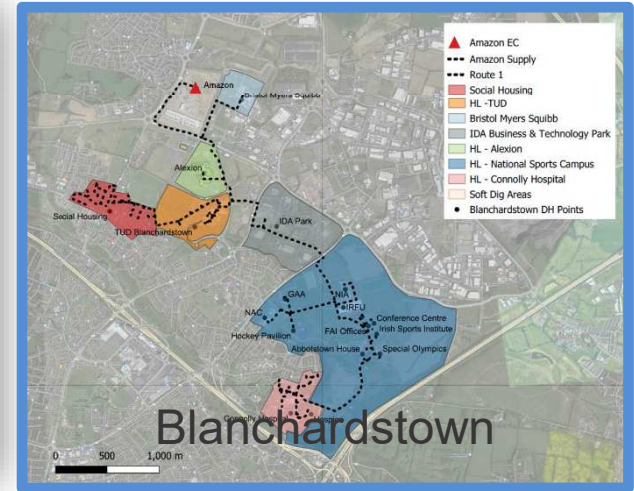
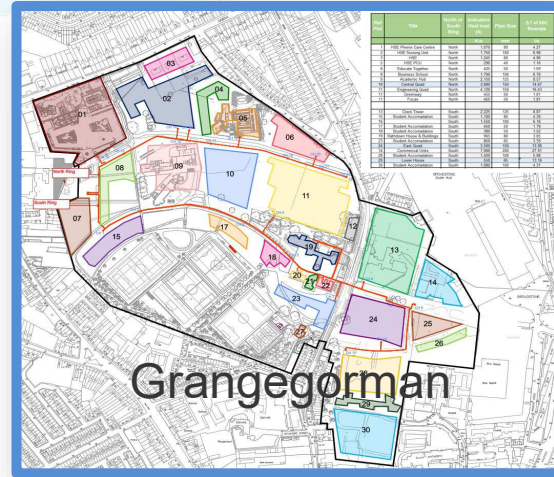
- “Fit and Forget for 50 years”
- Will save **511,400 tCO₂** over the project lifetime.
- Capital cost = **€58m**, which works out at approx. 120 €/tCO₂ saved
- Potential to save 11,500 tonnes of CO₂ annually, or the equivalent of over **75% of Fingal’s current social housing emissions**
- Avoids **€12.5m** by 2050 in shadow carbon cost as per the Public Spending code

BDHS Expansion



- Phase 1 & 2
(2025 – 2030)
- Phase 3 & 4
(2030 – 2040)
- Phase 5
(2040 – 2050+)

Can we meet 2.7 TWh?



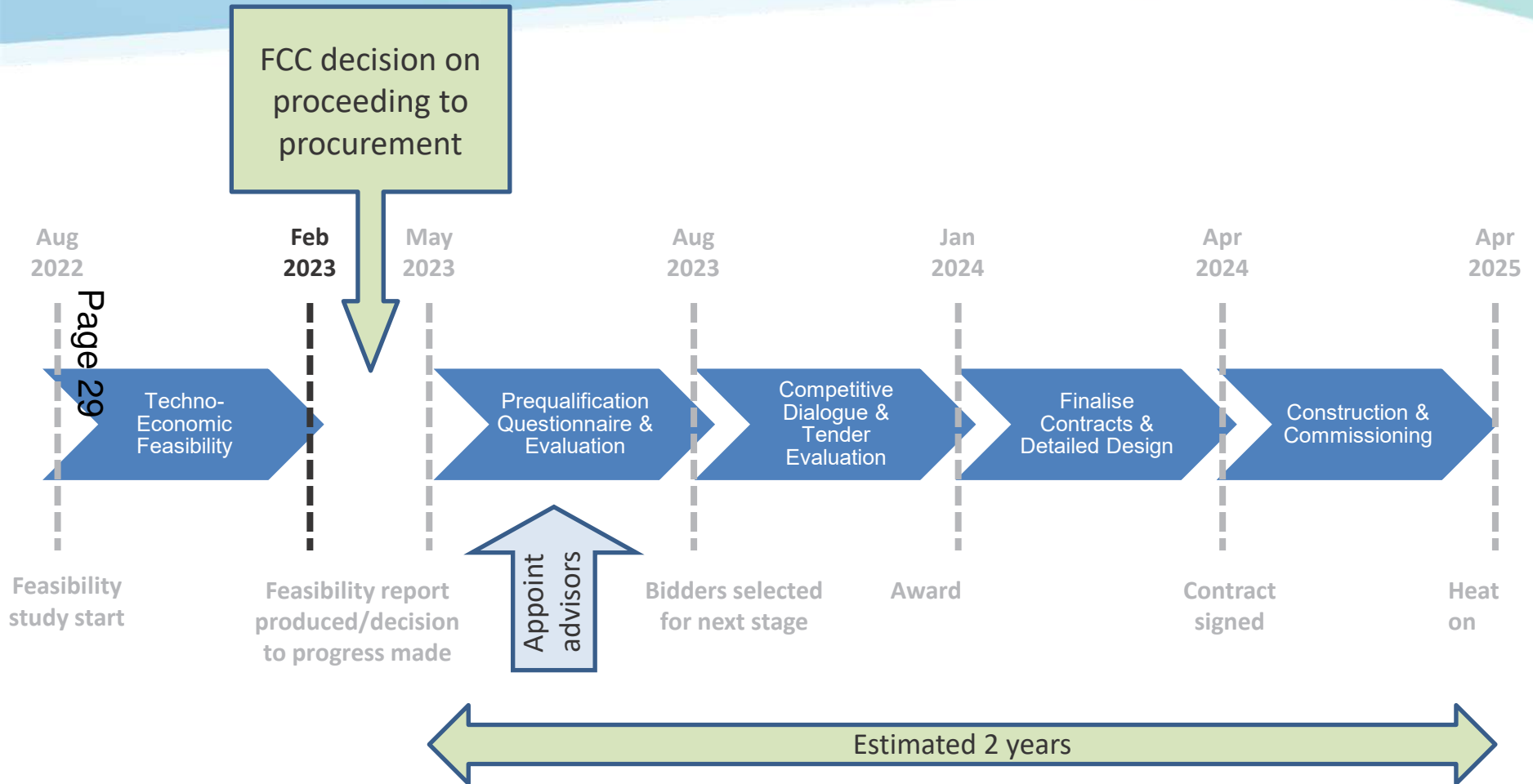
Project	Heat Demand [MWh/yr]
Tallaght	27,184
Blanchardstown	54,600
Grangegorman	70,000
Dublin District Heating Scheme	45,000
Total	196,784
	0.1968

TWh
< 8%

Financial Analysis

- **CAPEX:** €58 million (Phase 1 €42 million & €16 million Phase 2)
- **Financial analysis base case:** NPV 0, payback 21 years
 - Funding through the Climate Action Fund (CAF) and the SSRH.
 - Investment outside of grants: **€34.6 million.**
 - Connection charge equal to the counterfactual scenario of installing heat pumps.
 - The heat price offers a 26% discount on vs individual heat pumps (approx. 9c/kWh vs 12c/kWh)

Timeline:



FOR MORE **INFORMATION**

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COMHAIRLE CONTAE FHINE GALL
FINGAL COUNTY COUNCIL

MEETING OF THE CLIMATE ACTION, BIODIVERSITY, ENVIRONMENT
STRATEGIC POLICY COMMITTEE

TUESDAY 27TH JUNE 2023

ITEM NO. 04

BIODIVERSITY CRM'S

Motion: Councillor A. Tormey

"That the Chief Executive outlines the process through which biodiversity CRMs are responded to and actioned."

Report:

Biodiversity CRMs are directed to the Biodiversity Officer for response and are actioned if required.

