

District Heating

The key to decarbonising Ireland's heat sector



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CEO

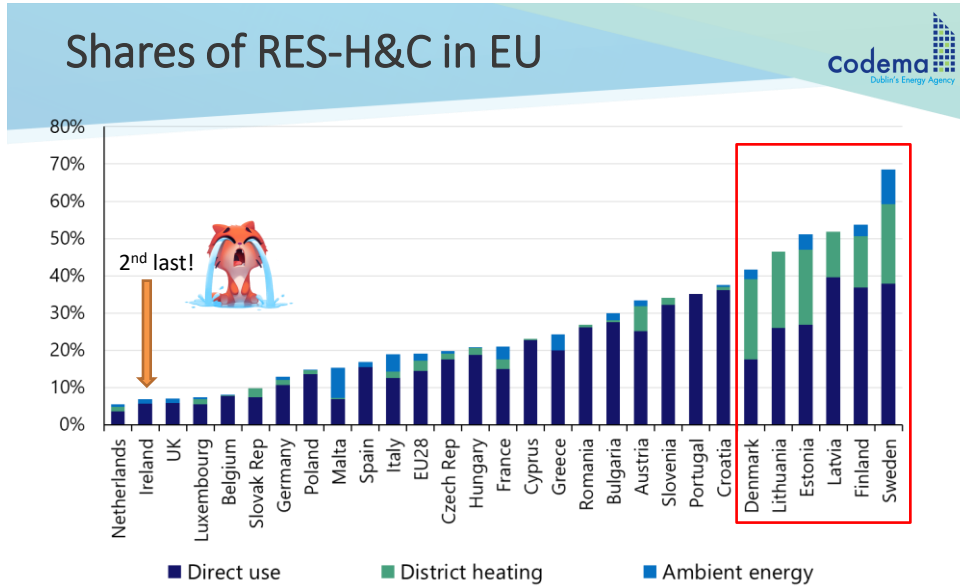
Twitter @IrelandDEA



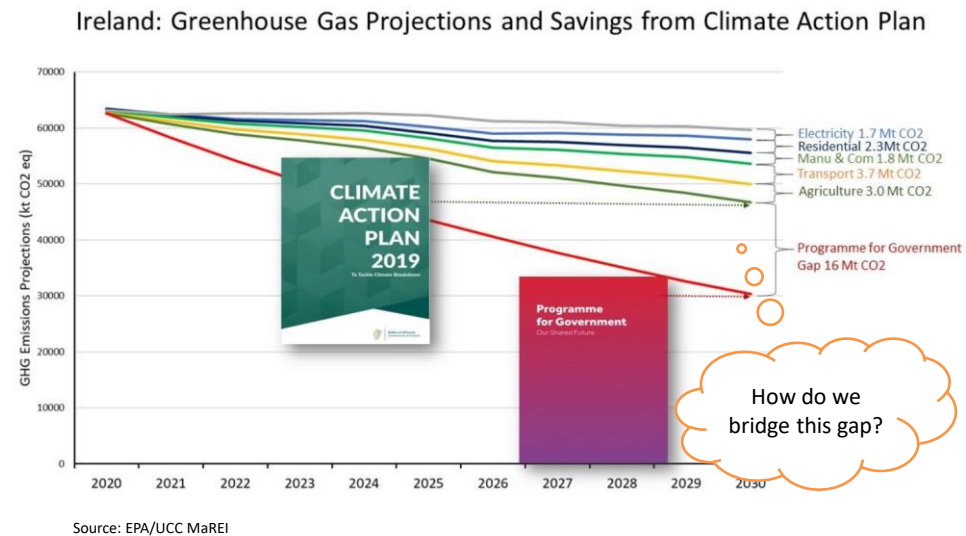
CEO

Twitter @CodemaDublin

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New measures in Govt. Programme



- Learning from district heating pilot projects to launch a **scaled-up programme**.
- A **regulatory environment** to support development of district heating
- We will support the development of **Combined Heat and Power** through a range of incentives to encourage uptake in the marketplace
- As well as developing a regulatory environment for district heating, we will publish a feasibility study on establishing a **district heating authority** and setting new **targets for district heating** as part of a new strategy

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4 key steps we are working on...



Upskill, Educate & Knowledge Share – Spread the message!



Know Your Energy Landscape – Heat Demand & Source mapping



Create Evidence-based Supporting Policy & Incentives



Lead by Example –Public Buildings & Pilot Schemes

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Evidence base for DH support in Ireland



35% of demand
is feasible for DH

Suitability for District Heating (DH)	Heat Density	Sum of heat demand with this Heat Density	Share of total heat demand (residential & commercial)
Very High DH potential	> 300 TJ/km ²	8.7 PJ	8.3 %
Feasible for DH	120 – 300 TJ/km ²	28.7 PJ	27.2 %
Feasible Subject to Policy/Regulation	50 – 120 TJ/km ²	22.5 PJ	21.3 %
Future potential (e.g. 4DH)	20 – 50 TJ/km ²	8.9 PJ	8.4 %



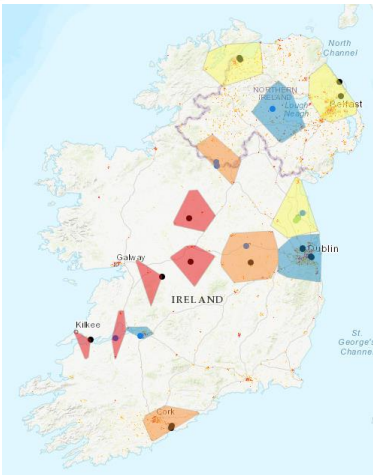
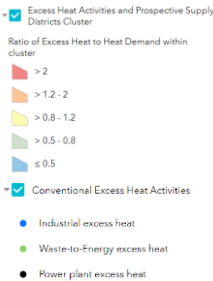
<https://www.districtenergy.ie/heat-atlas>

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Evidence base for DH support in Ireland

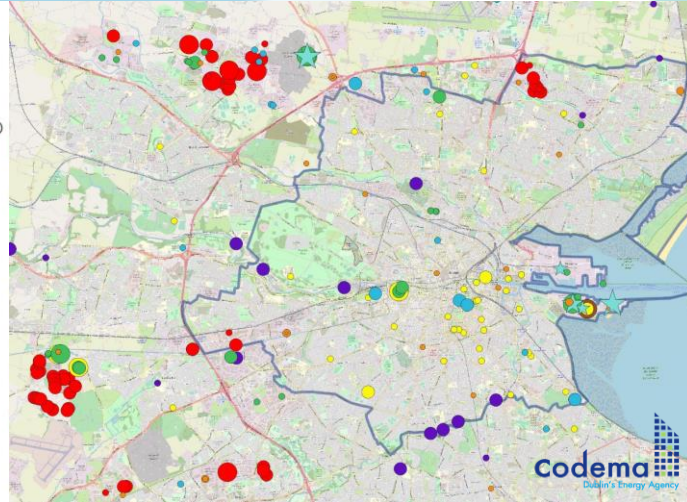


High heat demand areas overlaid with areas with conventional excess heat activities



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Evidence base for DH support in Ireland



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Developing an Irish Renewable Heat Plan



A collaboration between



Irish
District
Energy
Association

Renewable Energy
Ireland

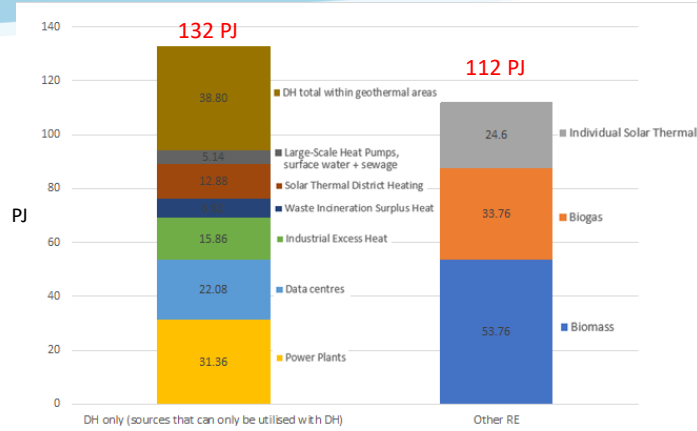


irbea | irish
bioenergy
association

What target can we reach in renewable heat by 2030?

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Renewable Heat Resources in Ireland



Source: Preliminary results of the 'Irish Renewable Heat Plan' – XD Consulting

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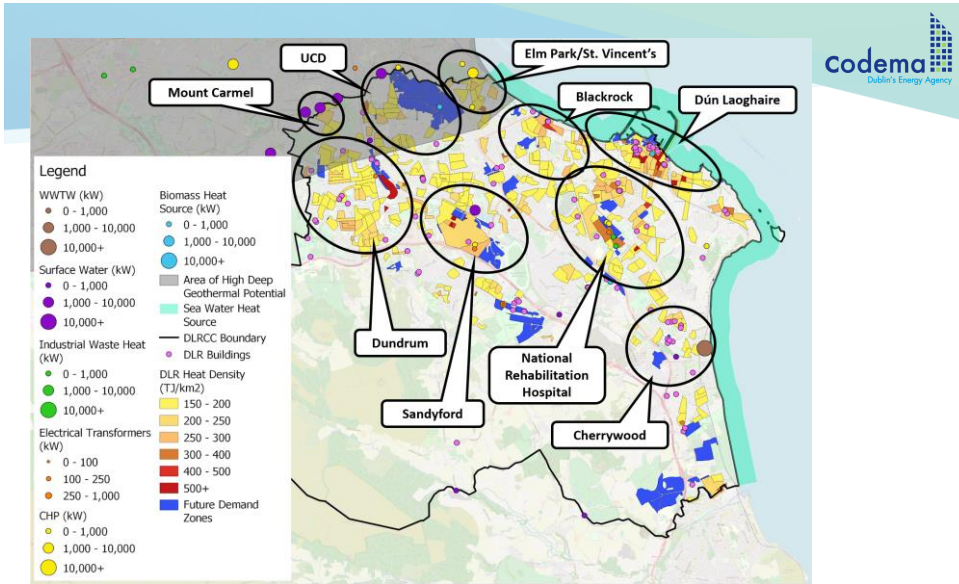
Irish Pilot Projects - Dublin



**Dublin City –
Docklands Area**

**South Dublin - Tallaght
Town Centre**

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Climate Action Fund EOIs...

Categorised Sector	Average of CAF Intensity	Average of 2030 GHG reduction (tCO2-eq)	Average of Total Cost (€)	Average of CAF Cost (€)
Agriculture & Forestry	47%	1,957,776	€4,540,000	€1,662,857
Alternative Transport, (Bikes, car pools, etc.)	86%	49,693	€11,000,000	€9,047,000
District Heating	49%	174,973	€59,109,500	€17,135,675

Across 4 projects

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FOR MORE **INFORMATION**

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