IrDEA

Established as not-for-profit company in 2017 by David Connolly (Chairperson) & Donna Gartland (CEO), with mission:

“To promote and support the use of District Heating and Cooling from sustainable, low carbon and renewable energy sources, and help to overcome the current barriers facing the sector in Ireland”

Founding Members:
Ireland is an Emerging Market...

Shares of Renewable Energy in Heating & Cooling in EU 2017

Currently less than 1% DHC in heat supply

Source: Eurostat
Gaining Momentum!...

Project Ireland 2040 National Planning Framework

- DH named as key future growth enabler for Irish cities
- DH named as key way to meet emission targets
- Compact & Sustainable growth – DH more feasible

‘Climate Action Fund’

- DH named as supported project type – first funding support for DH
- Two of seven projects approved are DH schemes - Dublin City & South Dublin – granted €25m

First large-scale DH schemes - Dublin

- Tallaght scheme using waste heat from Data Centre
- Docklands scheme using heat from Waste to Energy CHP plant
Falling far behind our EU RES-H&C targets

New 2030 targets based on GHGs – more pressure on heating sector (up to now concentrated on electricity)

Pressure from lobbyists – IrDEA, local energy agencies and municipalities

Huge waste heat potential – incl. many large data centres

New evidence-base dispelling ‘myths’ around DH for Ireland – many areas suitable
>2000 MW heat available in Dublin
Market value > €1.2 billion
Irish Heat Atlas

### Heat demand density class

<table>
<thead>
<tr>
<th>Heat demand density class</th>
<th>Sum of heat demand within PSD</th>
<th>Share of total heat demand</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 300 TJ/km²: Obvious DH potential</td>
<td>12.9 PJ</td>
<td>12.3%</td>
</tr>
<tr>
<td>120 – 300 TJ/km²: Feasible DH</td>
<td>21.9 PJ</td>
<td>20.9%</td>
</tr>
<tr>
<td>50 – 120 TJ/km²: Subject to regulation</td>
<td>24.8 PJ</td>
<td>23.6%</td>
</tr>
<tr>
<td>20 – 50 TJ/km²: Future potential</td>
<td>9.4 PJ</td>
<td>6.2%</td>
</tr>
</tbody>
</table>

33% Irish Heat demand feasible for DH
57% feasible if supporting policy and regulation (similar to Denmark) put in place
Thank You!

For more information:
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