

Climate Change Action Plan

Energy in Buildings Implementation

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CODEMA



E1 – Energy Masterplan for the Dublin Region

- Codema is developing the Dublin Region Energy Master Plan, which will create evidence-based, realistic, and costed pathways for the Dublin region to achieve its carbon emission reduction targets to 2030 and 2050.
- The team have now developed a model of the 'current situation' of energy demand and supply in the residential, commercial and public sector buildings on an hourly basis.
- Work has started on identifying all the low-carbon potential in the Dublin region, starting with local sources of fuel and heat which can be used to off-set reliance on fossil fuels currently used for heating.
- We have also arranged a workshop with the Planning group established by CARO to get planning feedback and input into the masterplan model.



E3 – Prepare Dublin City SECAP

- Dublin City's Sustainable Energy and Climate Action Plan (SECAP) is based on the Dublin City Council Climate Change Action Plan and the Dublin City Baseline Emissions Report 2016.
- The SECAP has been submitted and accepted by the CoM and will be updated every 2 years (Action – E31).
- The Dublin City SECAP can be accessed from the CoM website www.covenantofmayors.eu

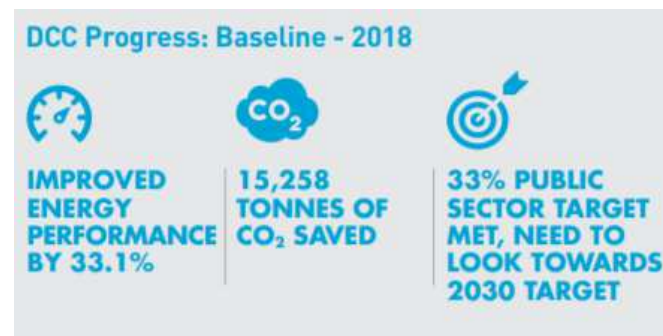
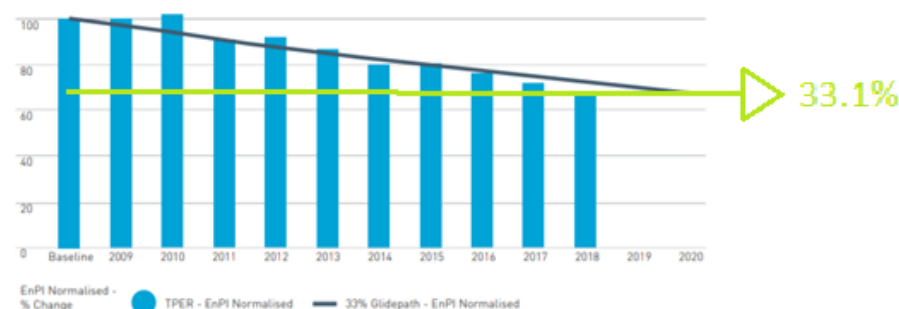


Dublin City Council
<http://www.dublincity.ie>

Country Ireland	Population 554,554	
Date of adhesion 02/03/2009		
		

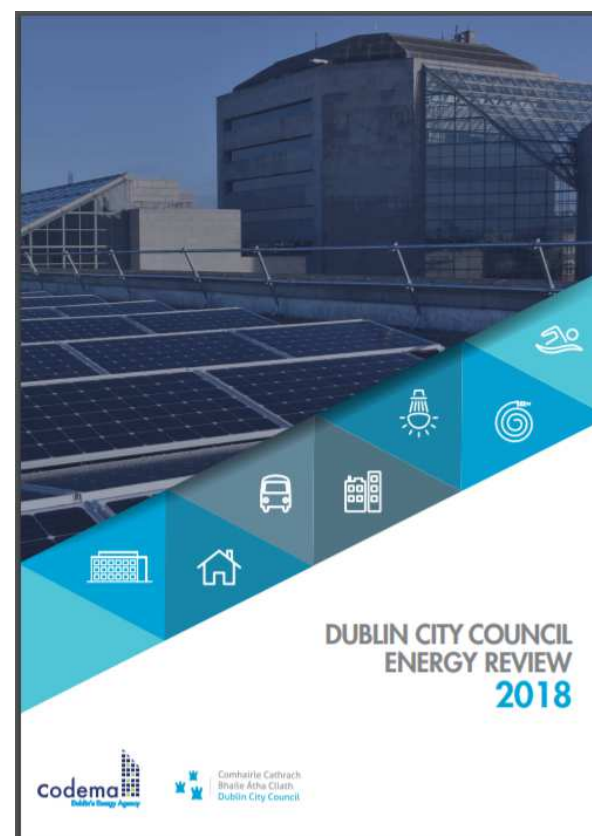
E6 – Annual Monitoring & Reporting

- Codema report annually to SEAI on DCC's energy consumption
- The system tracks progress to public sector targets – 33% energy efficiency improvement by 2020.
- DCC has currently achieved 33.1% improved energy performance.
- New public sector targets are to be released – 50% energy efficiency improvement and 40% absolute carbon reduction by 2030.
- Consultation paper to SEAI on the new M&R methodology prepared by Codema on behalf of the DLA's.



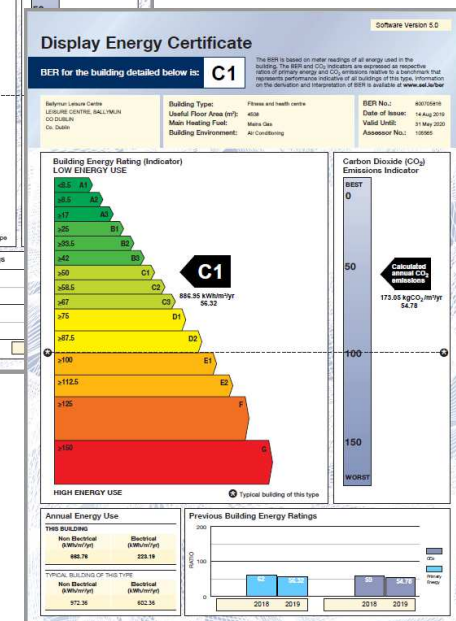
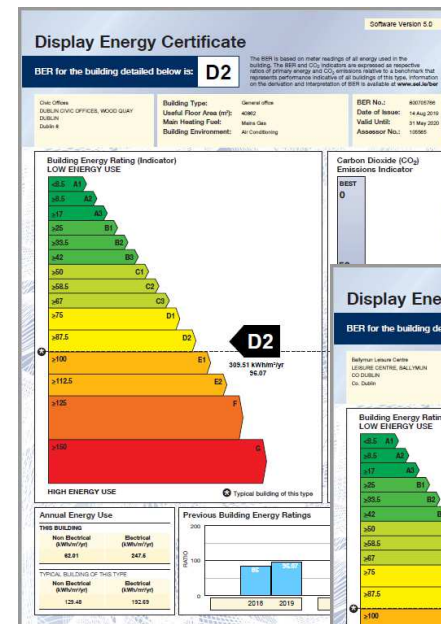
E7 – Publish Energy Review Annually

- Highlights the total amount of energy DCC consumed in the past year, along with total cost and carbon emissions associated.
- Break down the LA into significant energy users (SEU's)
- Highlights progress towards public sector targets and how it was achieved
- Outlines plan to achieve Public Sector Targets
- Current and previous Energy Reviews are available to download from Codema's website -
<https://www.codema.ie/publications>



E8 – Display Energy Certificates for public Buildings

- All public buildings frequently visited by the public and over 250 meters square are required to produce a DEC yearly.
- Codema currently produces DEC's for 44 DCC buildings
- DEC's were completed for 2019
- Currently looking to identify any additional buildings that require a DEC



E10 – Identify site for renewable energy projects

- Codema are currently developing a feasibility study for the potential to install PV systems on all suitable local authority buildings in the Dublin region
- Looking to apply to the Climate Action Fund for potential funding of install of the systems
- All with the view to create an urban solar farm in the Dublin Region
- Expression of interest has to be in by the 28th of February 2020



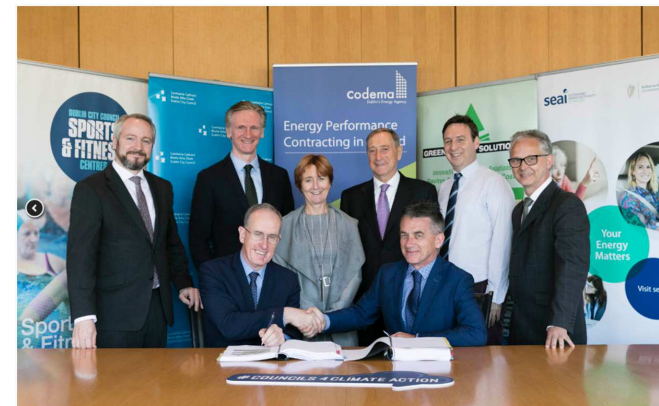
E12 – Dublin Fire Brigade Energy Efficiency Works

- DFB are looking to commence the design process for the redevelopment of North Strand Street and Dolphins Barn Fire Stations
- DFB are also looking to commence the design process for the redevelopment and relocation of Stanley Street Depot.
- DFB with the aid of Codema have recently gone to tender for the complete design and install of the heating system within the O'Brien Institute
- The procurement process used was an Energy Performance Related Payment (EPRP)



E16 – Facilitate second EPC Project

- DCC with the aid of Codema has currently commenced its second EPC
- Included in this EPC was Ballyfermot Leisure Centre and 6 smaller Dry Sports Centres
- The EPC was awarded to Noel Lawlor Energy Solutions
- Works commenced in October 2019
- Completed detailed report on the results from the first EPC. Available to download from Codema's website - <https://www.codema.ie/publications>



E23 – Continued staff energy awareness in Council Buildings

- DCC organised three Lets Talk Climate Action Workshops in 2019
- Codema has developed a range of energy awareness material available for public & staff in council buildings, including:
 - Guide to Home Energy Saving
 - Guide to Energy Saving Lightbulbs
 - Interactive Lighting Display (can be put on display in public building)
 - Worksheets (to accompany Home Energy Saving Kit to record results)



E27 – HESK's in DCC public Libraries

- Home Energy Saving Kit contains 6 practical tools to assess your home's energy efficiency and identify areas for improvement
- First of its kind in Europe – DCC public libraries were the first to pilot the scheme in 2016, which has now expanded to 67 libraries across Ireland
- This includes all 21 DCC library branches – to date, the kits have been borrowed 1,221 times from DCC libraries
- Top 5 libraries: Raheny, Cabra, Rathmines, Central Library & Ballymun



FOR MORE **INFORMATION**

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