

Dublin City Council

2019 Energy Review

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CODEMA

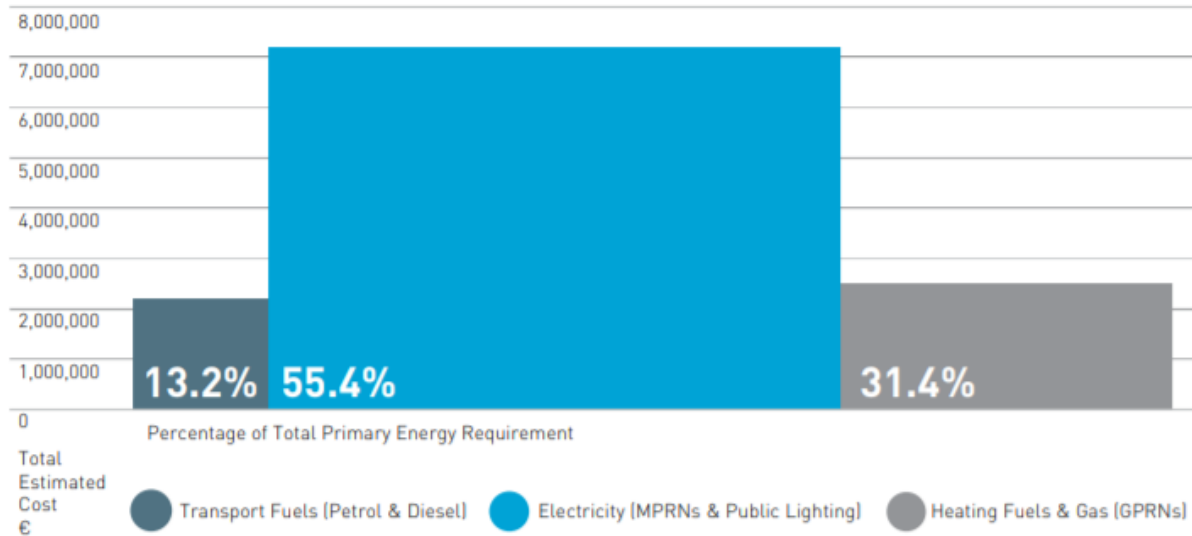


Comhairle Cathrach
Bhaile Átha Cliath
Dublin City Council



Energy Consumption

In 2019 DCC consumed over **172 GWh** of primary energy, emitted over **32,247 tonnes of CO₂** at an estimated cost of **€11.8 million**.



Monitoring & Reporting

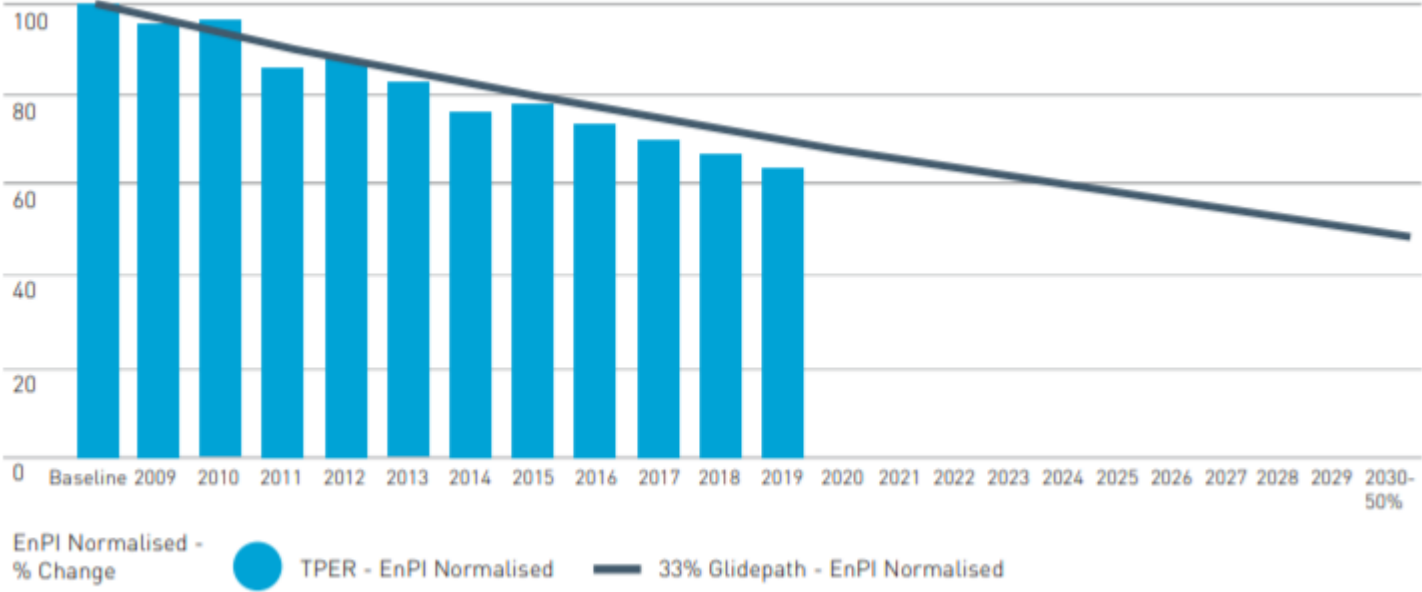
The system tracks DCC's energy performance to 2020 based on a:

- Baseline year of the total Primary Energy Requirement (TPER) – **Average between 2006 - 2008**
- An activity metric of TPER/population served.

Based on these factors:

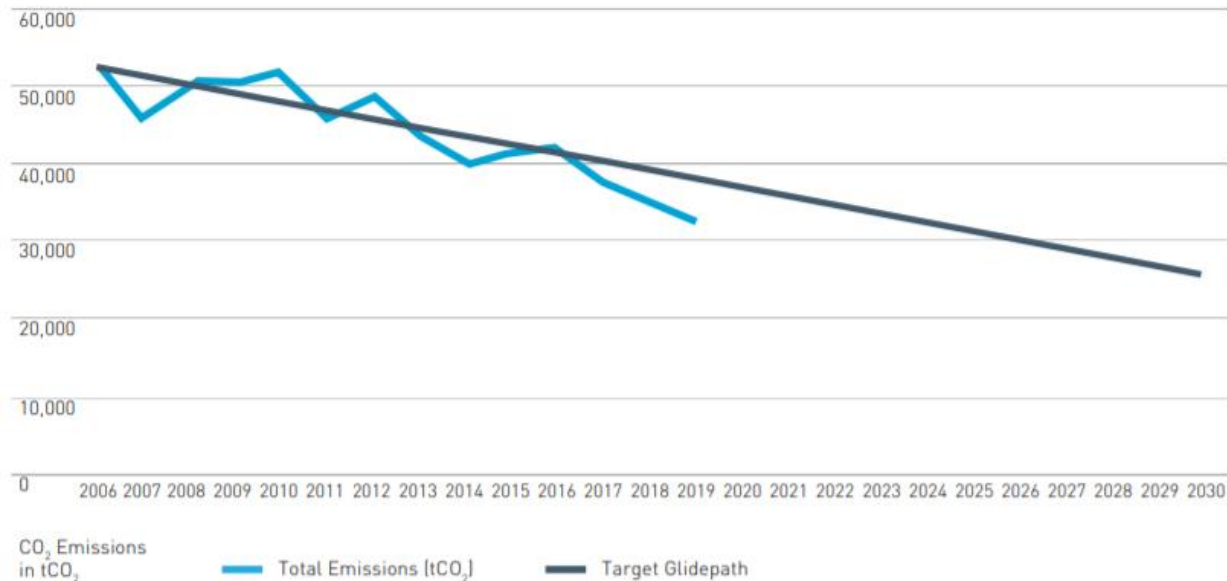
- Based on these factors DCC has achieved a **36.5%** reduction in its energy consumption. This is an increase of **3.4%** on the previous year.
- This is a total of **75 GWh** of primary energy and **17,315 tonnes of CO2** saved since the baseline.

Monitoring & Reporting

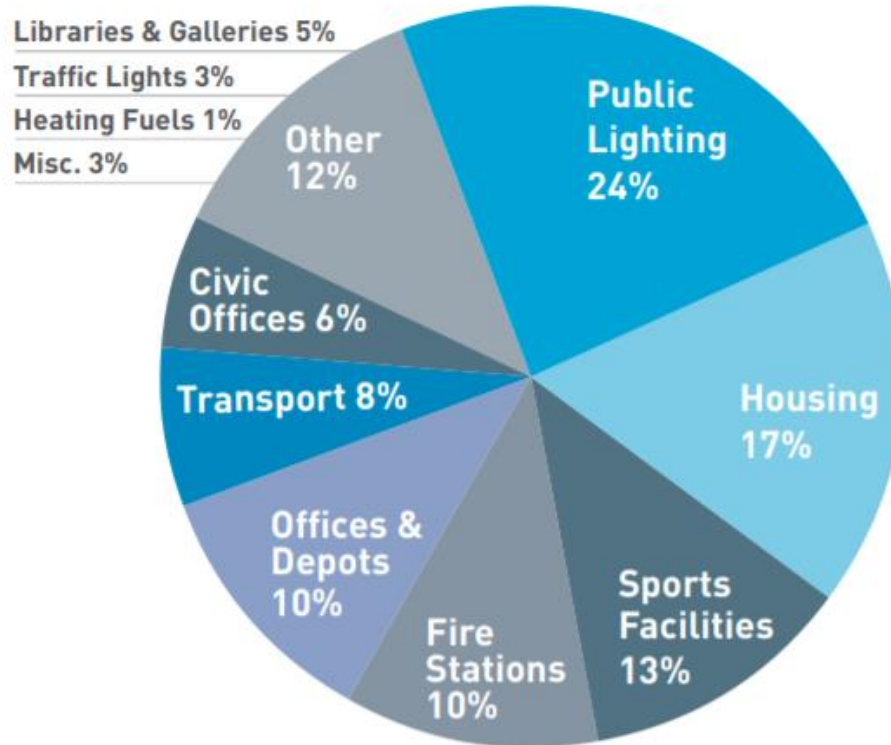


Carbon Emissions

In 2019 DCC emission had reduced by **38%** to **32,247 tonnes**. This leaves a gap to target of **920 tonnes of CO₂** between now and 2030.

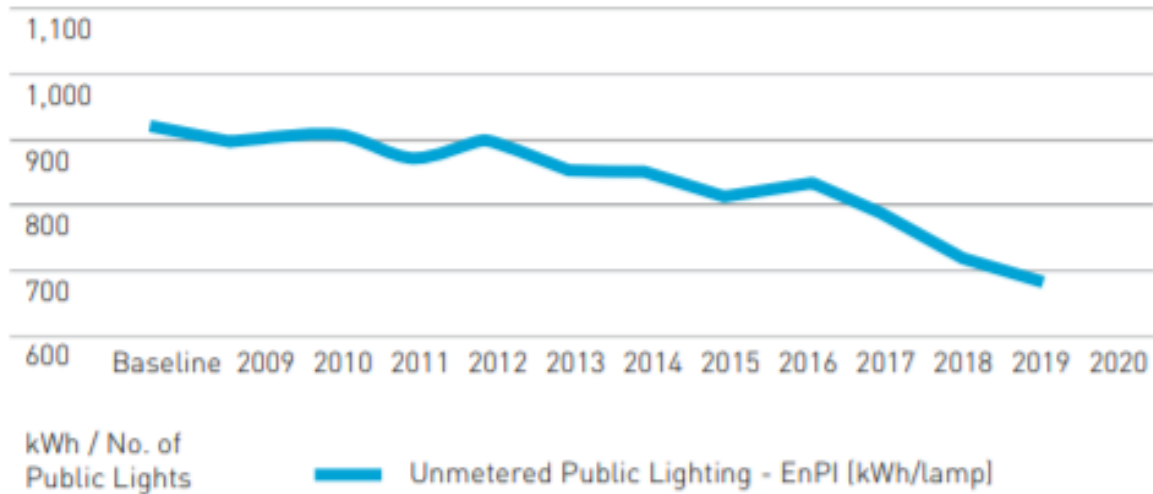


Significant Energy Users

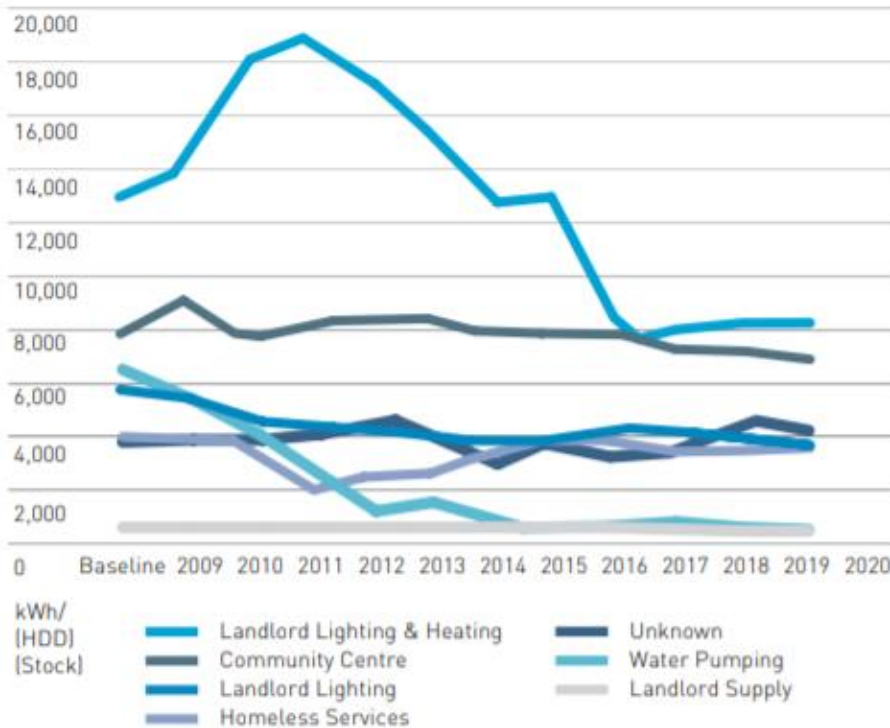


Public Lighting

- Public Lighting has improved its energy performance by 26 %
- This is an absolute energy reduction of 11 GWh (TPER) and 4,887 tonnes of CO₂



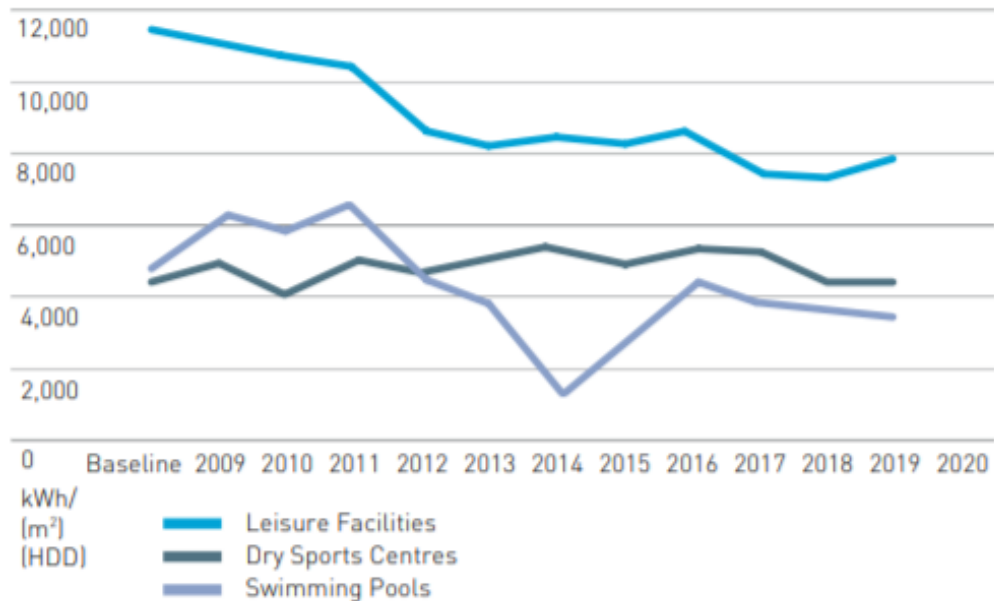
Housing



- Housing has improved its energy performance by 33.2%
- This is an absolute energy reduction of 11.2 GWh (TPER) and 3,463 tonnes of CO₂

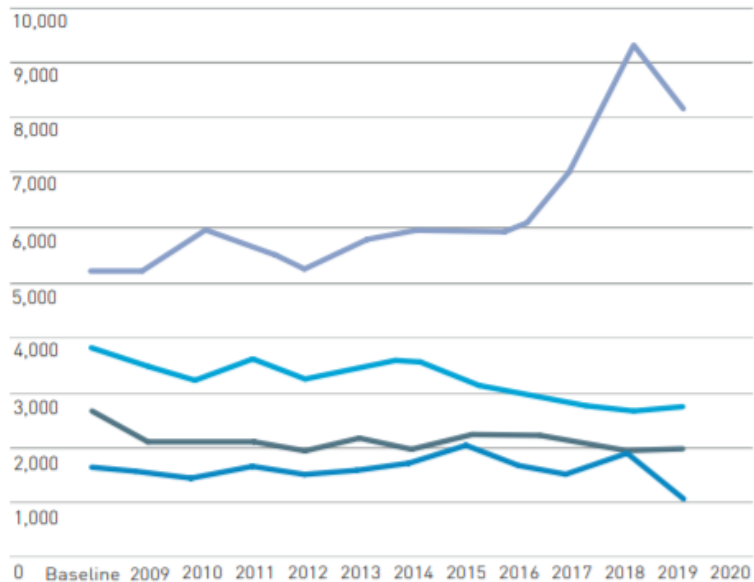
Sport Facilities

- Sport Facilities has improved its energy performance by 22.8%
- This is an absolute energy reduction of 1.3 GWh (TPER) and 233 tonnes of CO₂



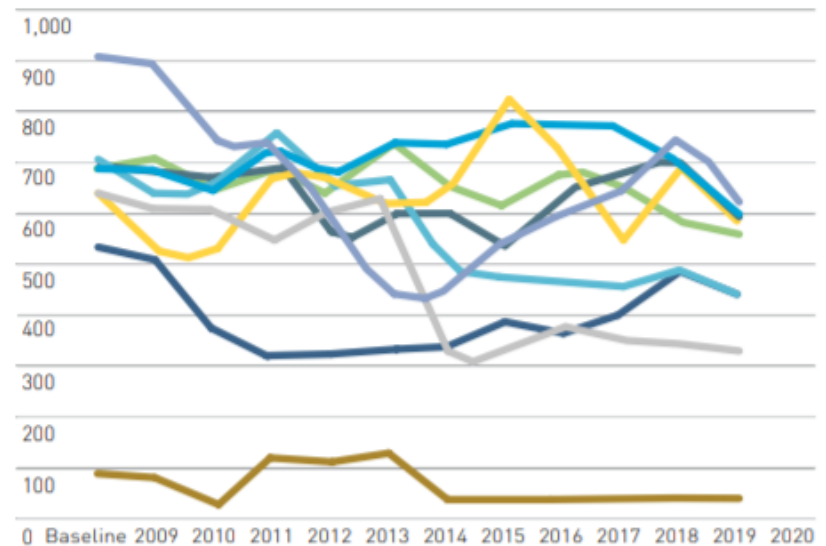
Dublin Fire Brigade

- Dublin Fire brigade has improved its energy performance by 5%
- This is an absolute energy reduction of 2.3 GWh (TPER) and 783 tonnes of CO₂



kWh/
[Population
Served]
[m²][HDD]

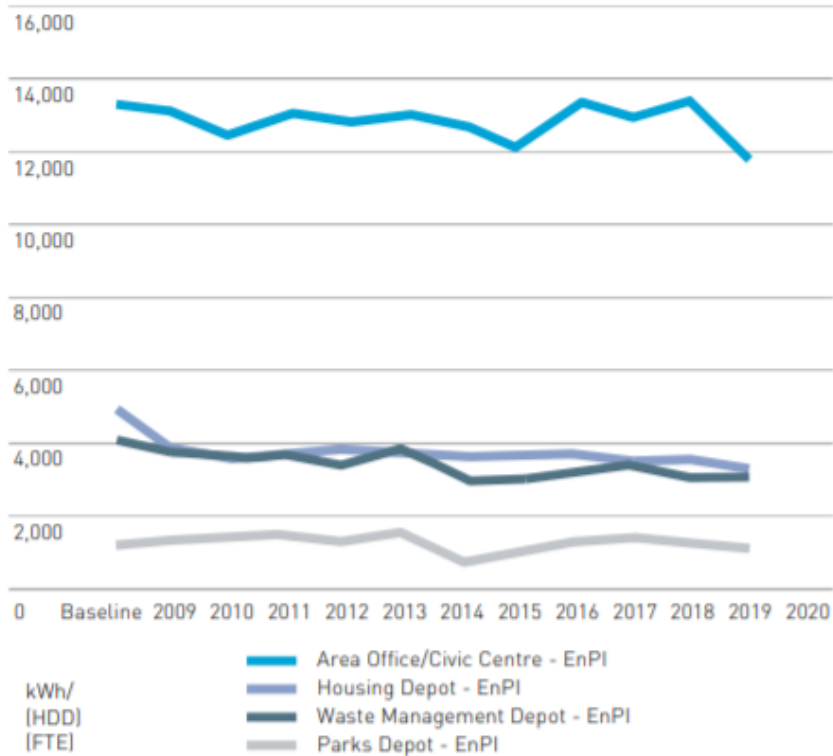
- Transport Fuels (bulk fuel & fuel card)
- Tara Street
- O'Brien Institute
- Stanley Street



kWh/
[Population
Served]
[m²][HDD]

- Dolphin's Barn
- Tallaght
- Finglas
- Phibsboro
- Blanchardstown
- Kilbarrack
- Donnybrook
- North Strand
- Skerries

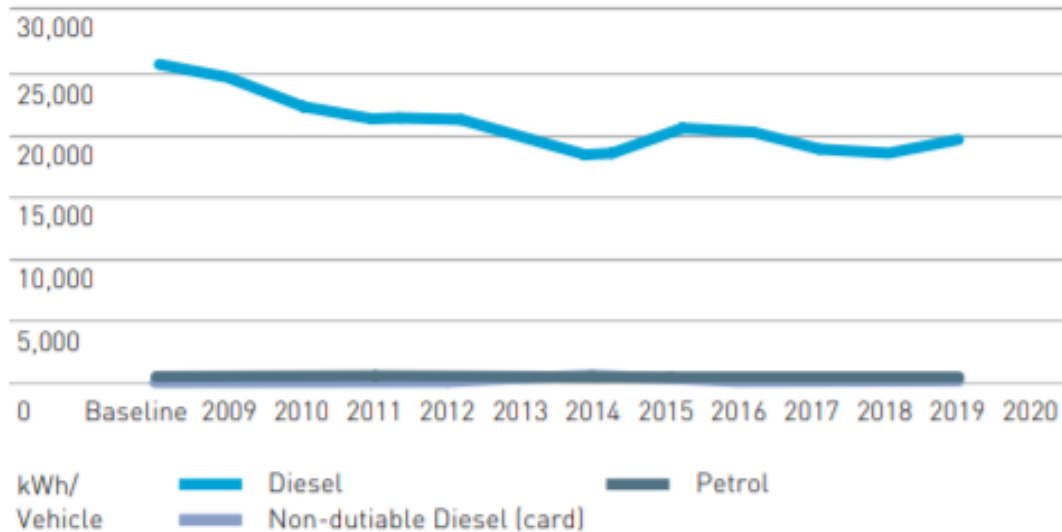
Offices & Depots



- Offices & Depots has improved its energy performance by 17.8%
- This is an absolute energy reduction of 5.8 GWh (TPER) and 1,974 tonnes of CO₂

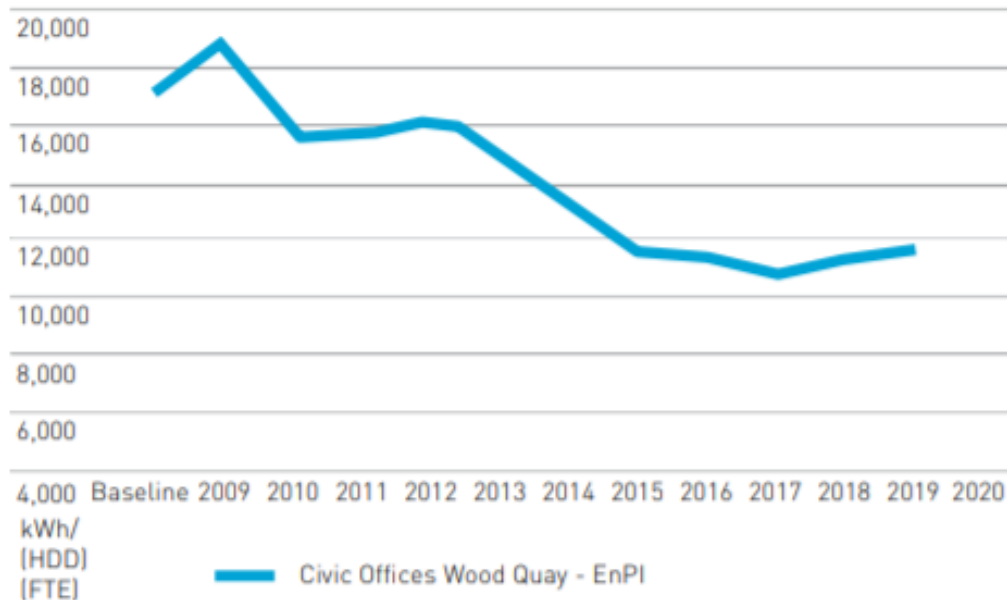
Transport

- Transport has improved its energy performance by 24%
- This is an absolute energy reduction of 4.4 GWh (TPER) and 1,713 tonnes of CO₂

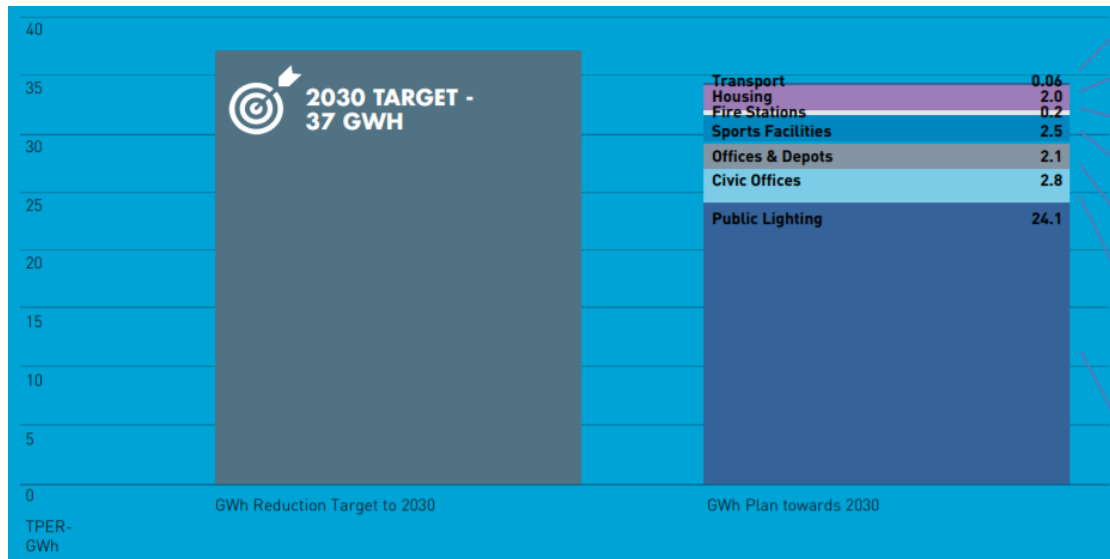


Civic Offices

- Civic Offices has improved its energy performance by 35.2%
- This is an absolute energy reduction of 6.3 GWh (TPER) and 1,679 tonnes of CO₂



Plan to 2030 – Energy Efficiency target



- Procurement of new energy-efficient vehicles including electric vehicles

- Landlord Lighting & BEC Application

- O'Brien Institute Boiler Replacement

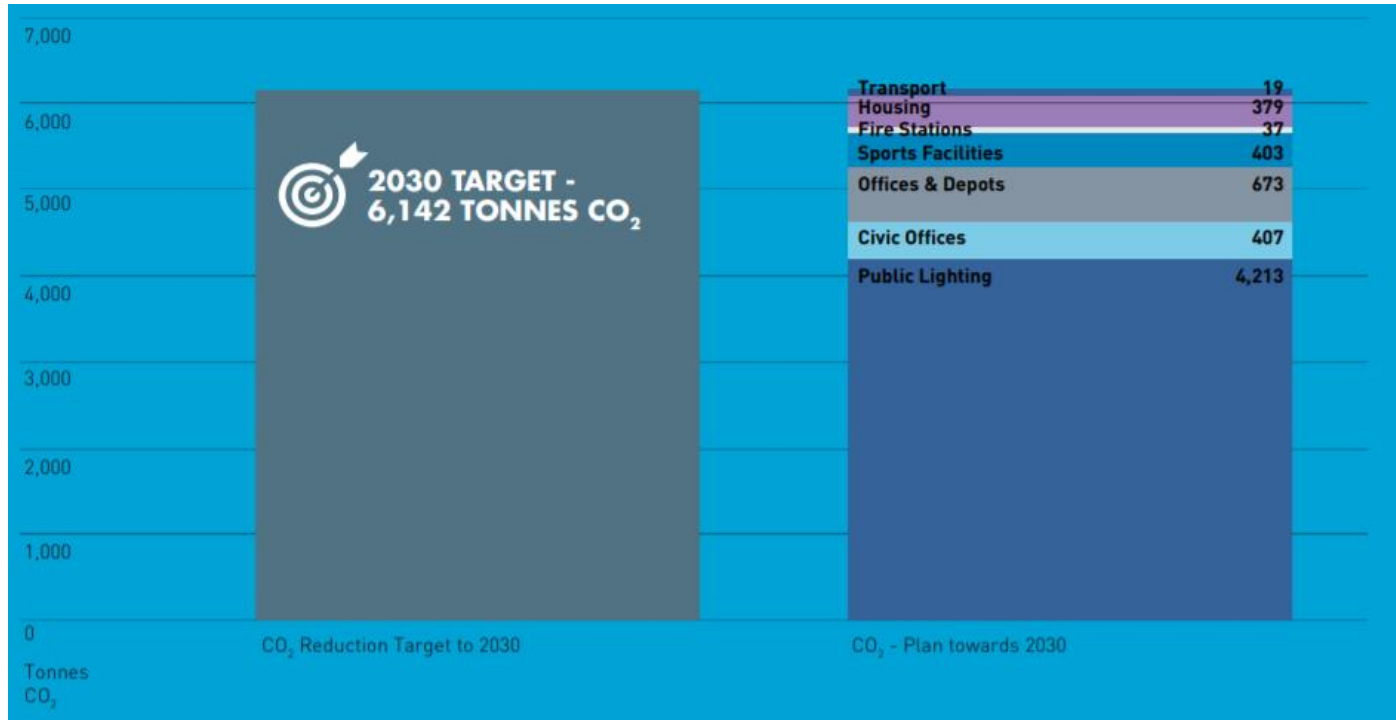
- DCC's second EPC

- Development of the new depot in Ballymun

- Potential CHP installation and LED lighting upgrades

- City wide LED replacement master plan

Plan to 2030 – Carbon Reduction target



FOR MORE **INFORMATION**

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