

For explanation of figures and data, see footnotes below.

Energy savings since energy efficiency baseline

32.6%



Actual consumption

3,746,361 kWh

Avoided consumption

1,815,018 kWh

Gap to target

967,680 kWh



Electricity

1,410,524 kWh

1.4% more than 2020



Thermal

2,301,456 kWh

8% less than 2020



Transport

34,381 kWh

12.9% less than 2020

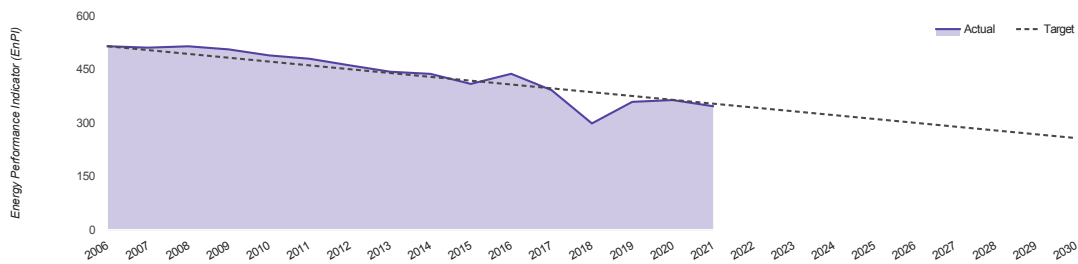
Energy-related CO₂ emissions

693,929 kg CO₂

Equivalent to the amount absorbed by 4,164 trees



Energy performance to date



4.7% better than 2020

32.6% better than energy efficiency baseline

Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target



Leopardstown Park Hospital improved its energy performance in 2021 by:

- Improving its energy management practices
- Implementing energy awareness programme(s)

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Annual energy statement

This annual energy statement contains all of the information specified by SEAI for inclusion in an annual statement on a public body's energy efficiency, as required under Regulation 5(5) in SI 426 of 2014. The performance results and other data published in this statement are based on data reported by Leopardstown Park Hospital for 2021 through SEAI's public sector energy monitoring & reporting (M&R) system.

TPER and TFC

Almost all energy values shown above are expressed as primary energy, or total primary energy requirement (TPER). This is a measure of all the energy consumed by the organisation and accounts for the energy that is consumed and/or lost in transformation, transmission and distribution processes. The savings values shown for specific named energy projects are also expressed as total final consumption (TFC), which does not account for the energy consumed and/or lost in transformation, transmission and distribution processes.

Energy savings since energy efficiency baseline (Deterioration in energy efficiency since baseline)

The percentage saving (or deterioration) shown is the percentage improvement (deterioration) in the energy performance of Leopardstown Park Hospital since its EE baseline period. The energy performance is tracked between the EE baseline and 2030 using an Energy Performance Indicator (EnPI).

Actual consumption

Actual consumption is the total energy consumed by Leopardstown Park Hospital in 2021, expressed as primary energy consumption. It includes electricity, thermal (heat) energy and transport consumption.

Avoided consumption

Avoided consumption is the amount of additional energy that would have been consumed by Leopardstown Park Hospital in 2021 had it not made the reported efficiency gain since its energy efficiency baseline.

Gap to target

The gap to target is an estimate, based on 2021 data, of the additional energy savings required by 2030 to reach the efficiency target. The calculation of this value incorporates several simplifying assumptions, including that the organisation's activity level will remain constant between 2021 and 2030.

Energy-related CO₂ emissions

The energy-related CO₂ emission values shown are attributable to the energy consumption reported by Leopardstown Park Hospital.

Energy performance indicator

The Energy Performance Indicator (EnPI) is a way of measuring an organisation's energy performance. Each year, an EnPI is calculated by dividing the organisation's energy consumption by a measure of its activity (activity metric). A decreasing EnPI indicates an improvement in energy efficiency because less energy is being used per unit of activity. An increasing EnPI indicates deterioration in efficiency. The EnPI graph shows the actual and target energy performance for Leopardstown Park Hospital since its energy efficiency baseline and out to 2030.

Project energy savings

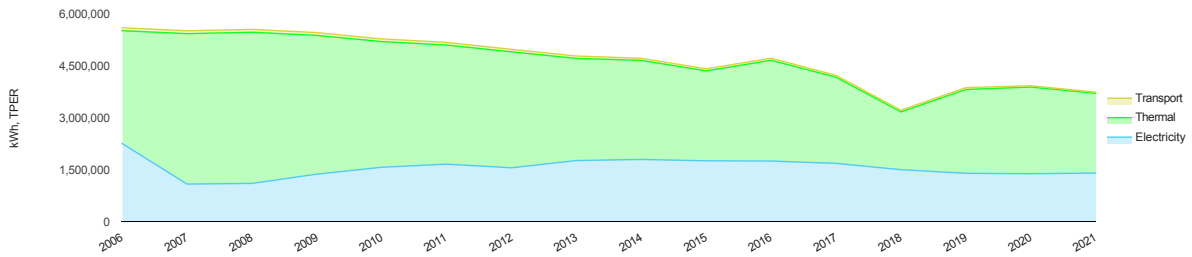
The energy savings shown for specific projects are absolute savings per year, as reported by Leopardstown Park Hospital, i.e. they are the reductions in consumption attributable to each project. They do not account for any changes in activity level within the organisation.

For explanation of figures and data, see footnotes below.

2021 energy consumption

3,746,361 kWh

Energy Consumption to date



Energy Consumption - 2021 (TPER)



4.7%

less than 2020

185,993 kWh

less than 2020

32.6%

less than energy efficiency baseline

1,815,018 kWh

less than energy efficiency baseline

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Primary energy

All energy values shown above are expressed as primary energy, or total primary energy requirement (TPER). This is a measure of all the energy consumed by the organisation and accounts for the energy that is consumed and/or lost in transformation, transmission and distribution processes.

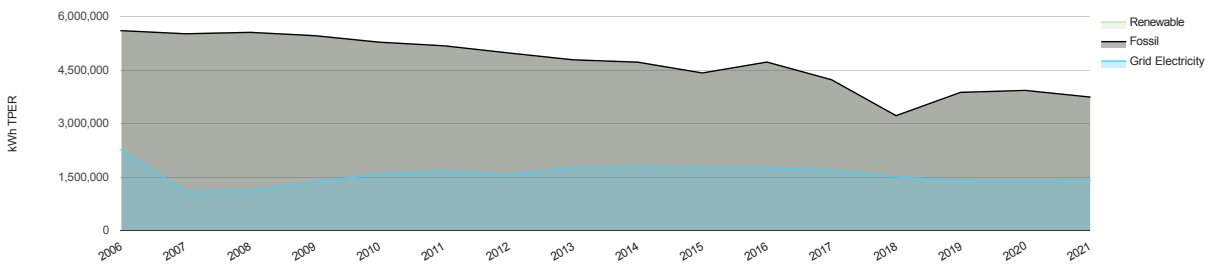
For explanation of figures and data, see footnotes below.

2021 renewable energy consumption

Renewable: 1,056 kWh

Renewable share is 0%

Renewable energy contribution to date



All energy – renewable contribution

Grid electricity

1,410,524 kWh

1.4% more than 2020

Fossil

2,334,781 kWh

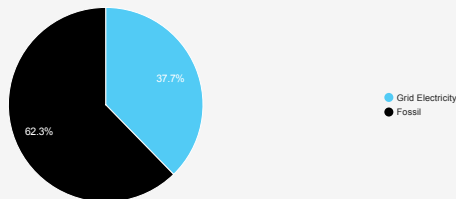
8.1% less than 2020

Renewable

1,056 kWh

32% less than 2020

Share of energy consumption





Thermal energy - renewable contribution

Fossil

2,301,456 kWh

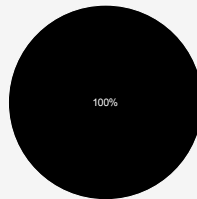
8% less than 2020

Renewable

0 kWh

0% more than 2020

Share of energy consumption



● Fossil



Transport energy - renewable contribution

Fossil

33,326 kWh

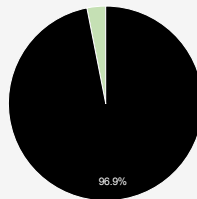
12.1% less than 2020

Renewable

1,056 kWh

32% less than 2020

Share of energy consumption



● Fossil
● Renewable

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Primary energy

All energy values shown above are expressed as primary energy, or total primary energy requirement (TPER). This is a measure of all the energy consumed by the organisation and accounts for the energy that is consumed and/or lost in transformation, transmission and distribution processes.

Electricity

Electricity imported from the grid is not broken down between renewable and fossil sources; instead all of this electricity consumption is classified as 'grid electricity'. Electricity reported by the organisation as having been generated within one of the organisation's facilities from renewable sources (e.g. solar PV) is included in the 'renewable' figures.

Biofuel

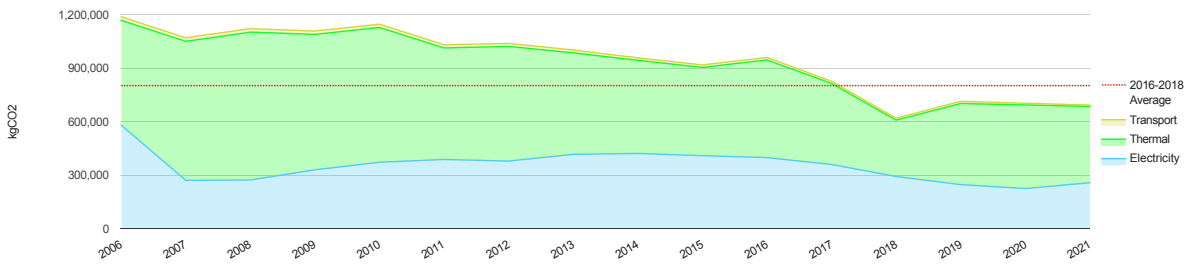
The vast majority of road transport fuels placed on the market in Ireland contain a single-digit percentage of biofuel. This percentage is calculated annually and is trending upwards over time, in line with national policy. The 'renewable' consumption figures shown above include an amount of biofuel consumption for Leopardstown Park Hospital that has been calculated using the national biofuel contribution figures for 2021.

For explanation of figures and data, see footnotes below.

2021 CO₂ emissions

693,929 kgCO₂

Energy-related CO₂ emissions to date



CO₂ emissions - 2021



1.4%
less than 2020

9,976 kgCO₂
less than 2020

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Energy-related CO₂ emissions

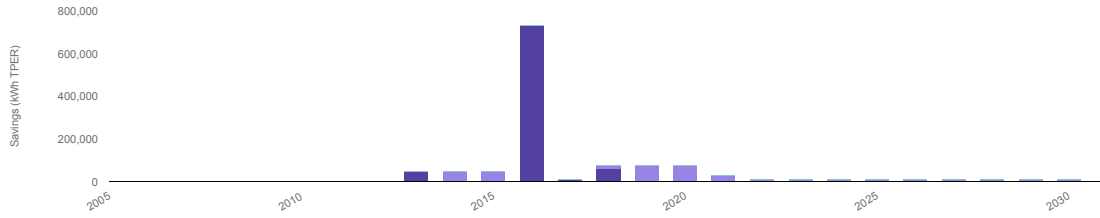
The energy-related CO₂ emission values shown are attributable to the energy consumption reported by Leopardstown Park Hospital.

Electricity-related CO₂ emissions

The energy-related CO₂ emissions attributable to electricity imported from the grid by Leopardstown Park Hospital have been calculated using the average emission factor for electricity generation in Ireland for the relevant year. The electricity consumed by Leopardstown Park Hospital in any given year may have come from a source that was less or more carbon intensive than the national average.

For explanation of figures and data, see footnotes below.

Annual energy savings from reported projects



Coloured bar above corresponds to one of the coloured stripes in the table headings below. The dark blue/purple bars show savings already achieved in each year from project(s) implemented in that year. The light blue/purple bars indicate savings still being made in each year from project(s) implemented in a previous year. The green bars show savings for project(s) that have not yet been implemented. Dark green indicates savings expected in each future year from project(s) planned for implementation in that year. Light green indicates savings expected in each future year from project(s) planned for implementation before that year.

Year	Projects Implemented in Year (kWh TPER)	Projects Implemented in a Previous Year (kWh TPER)	Projects Planned for Implementation in a Year (kWh TPER)	Projects Planned for Implementation in a Previous Year (kWh TPER)
2006	-	-	-	-
2007	-	-	-	-
2008	-	-	-	-
2009	-	-	-	-
2010	-	-	-	-
2011	-	-	-	-
2012	-	-	-	-
2013	49,617	-	-	-
2014	-	49,617	-	-
2015	-	49,617	-	-
2016	731,865	-	-	-
2017	13,456	-	-	-
2018	62,100	13,456	-	-
2019	-	75,557	-	-
2020	-	75,557	-	-
2021	-	28,657	-	-
2022	-	13,456	-	-
2023	-	13,456	-	-
2024	-	13,456	-	-
2025	-	13,456	-	-
2026	-	13,456	-	-
2027	-	13,456	-	-
2028	-	13,456	-	-
2029	-	13,456	-	-
2030	-	13,456	-	-

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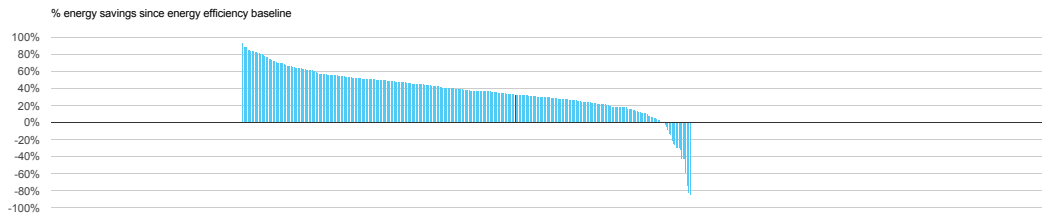
TPER and TFC

Most of the energy values shown above are expressed as primary energy, or total primary energy requirement (TPER). This is a measure of all the energy consumed by the organisation and accounts for the energy that is consumed and/or lost in transformation, transmission and distribution processes. The savings values shown for specific named energy projects are also expressed as total final consumption (TFC), which does not account for the energy consumed and/or lost in transformation, transmission and distribution processes.

Energy savings

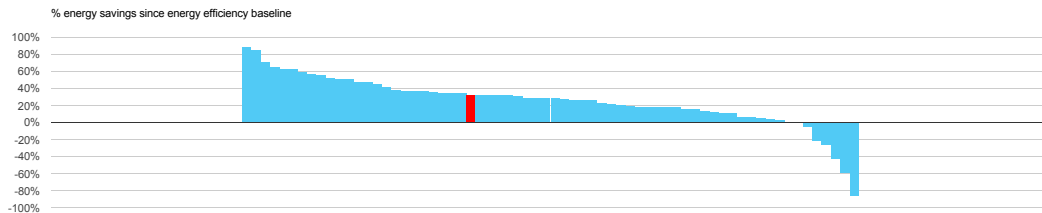
The energy savings shown are absolute savings per year, as reported by Leopardstown Park Hospital, i.e. they are the reductions in consumption attributable to each project. They do not account for any changes in activity level within the organisation.

Your savings compared to all public bodies



Leopardstown Park Hospital is the 19th best performer out of 323 public bodies. Please note that another 24 public bodies were removed from this comparison because they either submitted insufficient data to calculate savings result or aspects of their data need to be improved or verified.

Your savings compared to others in Health



Leopardstown Park Hospital is the 25th best performer out of 66 public bodies. Please note that another 1 public body were removed from this comparison because they either submitted insufficient data to calculate a savings result or aspects of their data need to be improved or verified.

Savings of Health public bodies

Public body	2021 Energy consumption (TPER)	2021 Energy savings (since energy efficiency baseline) %	SEAI comment
St. Patrick's Centre Kilkenny	1,293,079	87.8	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Pre-Hospital Emergency Care Council	32,713	85.4	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Enable Ireland	8,808,401	70.6	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Mental Health Commission	205,905	64.7	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
The Health Information & Quality Authority (HIQA)	1,276,160	62.9	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Health Products Regulatory Authority	1,081,452	62.8	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Irish Wheelchair Association	4,822,940	59.1	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
SOS Kilkenny Ltd.	912,740	57.1	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
The Health Research Board	327,448	55.4	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
The Medical Council	759,496	51.9	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
CORU	325,797	50.7	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Stewarts Care Ltd	15,322,583	50.4	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
St Josephs Foundation	4,598,565	48.2	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
AHEAD	7,253	47.2	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
The Beesborough Centre	841,147	45	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Dental Council	55,982	41.1	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
St. Vincent's University Hospital	49,265,297	38	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Muiriosa Foundation	10,015,508	37.6	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Mercy Hospital	13,093,839	36.5	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Central Remedial Clinic	4,240,939	36.4	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Incorporated Orthopaedic Hospital of Ireland	2,773,770	35.5	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Cappagh National Orthopaedic Hospital	7,523,690	35.2	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Irish Blood Transfusion Service	13,428,805	34.8	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Peamount Hospital Newcastle	10,204,367	34.8	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Leopardstown Park Hospital	3,746,361	32.6	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
St. Michael's House	11,537,820	32.4	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Dublin Dental Hospital & School	2,019,705	32	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
St. Christopher's Services Ltd.	1,601,529	31.9	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Marymount University Hospital and Hospice	5,493,001	31.5	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Children's Sunshine Home/Laura Lynn	1,136,628	30.8	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
National Treatment Purchase Fund	354,353	29.6	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
KARE	2,393,271	29.4	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Carriglea Cairde Services	3,528,056	28.6	Overall status (2021): more efficient than energy efficiency baseline & on track for 2030 target
Nursing and Midwifery Board of Ireland	459,660	28.2	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
Mater Misericordiae University Hospital	69,288,931	27.7	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
Sunbeam House Services	3,375,235	27.2	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
Good Shepherd Cork	400,411	27.1	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
St. John's Hospital	3,743,343	26.6	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
St. Francis Hospice	5,262,748	22.6	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
Tallaght University Hospital	43,328,011	21.7	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
St. James's Hospital	79,639,201	20.3	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
Cheshire Ireland	5,718,839	19.5	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
Our Lady's Hospice Harold's Cross Limited	13,165,557	19.1	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
Campmill Communities (Ireland)	8,051,875	18.5	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
St. Michael's Hospital	5,456,891	18.4	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
Brothers of Charity Services Ireland CLG	42,702,756	18.3	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
St. Catherine's Association Ltd.	1,077,630	18.2	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
HSE	1,094,559,368	16.3	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target

FOLD Ireland	1,730,158	15.6	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
Daughters of Charity - Intellectual Disability Services	19,885,895	13	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
Beaumont Hospital	63,211,935	12.1	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
Cheeverstown House	6,368,806	11.5	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
National Maternity Hospital	10,207,574	10.7	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
Rotunda Hospital	10,978,445	6.2	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
St. Cronan's Association CLG	493,392	6.1	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
Children's Health Ireland (CHI)	50,607,694	5.5	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
Coombe Women & Infants University Hospital	9,969,129	4.3	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
Ability West	3,928,994	2.3	Overall status (2021): more efficient than energy efficiency baseline, but not yet on the path for 2030 target
Daughters of Charity - Child & Family Services	861,702	-0.3	Overall status (2021): less efficient than energy efficiency baseline & not on track for 2030 target
Cobh Community Hospital	527,797	-0.4	Overall status (2021): less efficient than energy efficiency baseline & not on track for 2030 target
Saint John of God Community Services clg	41,969,221	-4.6	Overall status (2021): less efficient than energy efficiency baseline & not on track for 2030 target
St. Vincent's Hospital Fairview	4,136,105	-20.8	Overall status (2021): less efficient than energy efficiency baseline & not on track for 2030 target
South Infirmary - Victoria Hospital	10,538,412	-26.9	Overall status (2021): less efficient than energy efficiency baseline & not on track for 2030 target
Royal Hospital	7,231,174	-42.9	Overall status (2021): less efficient than energy efficiency baseline & not on track for 2030 target
Royal Victoria Eye and Ear Hospital	3,799,013	-58.8	Overall status (2021): less efficient than energy efficiency baseline & not on track for 2030 target
Milford Care Centre	5,655,067	-85.2	Overall status (2021): less efficient than energy efficiency baseline & not on track for 2030 target

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