

Energy summary report for Northamptonshire Healthcare sites

Display Energy Certificates (DECs) are records of the actual **energy** usage of public buildings, introduced by a number of European Governments in response to the EU **Energy** Performance of Buildings Directive, which all EU member states had to implement by January 2009. The DEC certificates are renewed every 12 months on our main sites with an advisory energy report issued every 5 years. Smaller sites have their DEC's renewed on a 10 year cycle. The DEC certificate provides the Trust with a comparison of energy use against a bench mark hospital and also a comparison of consumption year against year for gas and electricity.

DEC Ratings

A – 0-25 Most efficient

B – 26-50

C – 51-75

D – 76-100

100 – Typical for building type

E – 100-125

F – 126-150

G – Over 150 Least Efficient

Berrywood Hospital

As part of the PFI contract, Kier the FM provider, monitors the energy consumption of the hospital against a 3 year energy target which is agreed between Kier FM, Imagile (financer) and the Trust. The hospitals main site meters are read on a monthly basis and a detailed monthly energy report is issued at the FM meeting. Variations from target are investigated as a matter of priority.

Berrywood DEC rating

2019 Rating D operational rating 87

2018 Rating D operational rating 96

2017 Rating E operational rating 105

Berrywood has shown continual improvement with the addition of pipework insulation in 2018, upgrades to the building management controls all helped to achieve an improved energy performance. Further improvement is planned in 2019-20 with upgrades to the buildings lighting changing fluorescent fittings for low energy LED fittings.

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Welland Centre

As part of the PFI contract GFM provider monitors the energy consumption of the unit against a 3 year energy target which is agreed between GFM, Imagile (financer) and the Trust. The Units main site meters are read on a monthly basis and a detailed monthly energy report is issued at the FM meeting. Variations from target are investigated as a matter of priority.

Welland DEC rating

2019 Certificate Due May 2019

2018 Rating C operational rating 67

2017 Rating C operational rating 61

Welland has maintained its operational rating of C, despite a very cold winter. Improvements are planned in 2019-20 to upgrades to the buildings lighting, changing existing fluorescent fittings for low energy LED lights.

St Marys Hospital

St Mary's Hospital has a wide range of buildings dating from the 1800's to the most modern building the Forest Centre built in 2010. St Mary's has seen significant capital investment over the years. All the gas heating boilers have now been upgraded to modern A rated energy efficient models. LED lighting has been installed in Dryland, Oakwood, Workshops and Carey block first floor. This scheme will continue in 2019 with the upgrade of Sudborough House, Admin block, Huxlow and ground floor Carey block. Dryland block and , Psychology and Oakwood have all had new energy efficient windows installed Admin block had window repairs and the addition of secondary glazing to improve comfort and energy efficiency. 2019 will see the upgrade of Carey block with the addition of new energy efficient windows and the completion of the LED lighting.

Forest Centre DEC Rating

2019 Rating C operational rating 52

2018 Rating C operational rating 73

2017 Rating C operational rating 67

Main blocks Entrance 1,2,4,5,6,20,28

2019 Rating D operational rating 80

2018 Rating D operational rating 91

2017 Rating D operational rating 103

Sudborough House

2019 Rating D operational rating 79

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2018 Rating D operational rating 90

2017 Rating D operational rating 101

Carey Block

2019 Rating C operational rating 69

2018 Rating C operational rating 79

2017 Rating C operational rating 89

Dryland Block

2019 Rating D operational rating 79

2018 Rating D operational rating 90

2017 Rating D operational rating 101

Newland House

Newland House has had a full LED lighting replacement with occupation controls completed in 2017, this has improved the buildings performance but the main energy consumer is the heat & cool air conditioning units. A capital replacement programme is scheduled for this year to update the equipment for modern more energy efficient air conditioning invertors. The ground floor training rooms have already been completed, with the remaining floors to follow later this year.

2019 Rating D operational rating 90

2018 Rating D operational rating 88

2017 Rating D operational rating 101

Campbell House

Campbell House was the first of our sites to have LED lighting installed, this was undertaken 5 years ago so the improvement in the buildings operational performance was seen in 2013-14. Improved occupancy controls will be looked at during future refurbishments to further improve the buildings performance. The buildings air handling unit was upgraded last year to include modern energy efficient inverter driven motors and new building management controls. Campbell House has seen an increase in building occupants with teams working extended hours and at weekends so energy consumption will increase in future years.

2019 Rating C operational rating 75

2018 Rating C operational rating 77

2017 Rating C operational rating 77

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NHS Property services sites.

NHFT occupies a number of properties which are owned by NHS Property services. These buildings tend to be older properties which have not seen a great deal of capital investment for a number of years. This lack of investment is reflected in the operational DEC ratings.

Isebrook hospital Blocks 14,17,18

2019 Rating D operational rating 83

2018 Rating D operational rating 92

2017 Rating D operational rating 89

This area of Isebrook has had a modern energy efficient plantroom installed which has ensured the bedded ward area has a modern and reliable heat source. The blocks have also been reroofed with improved thermal insulation.

Castle Block

2019 Rating F operational rating 142

2018 Rating F operational rating 156

2017 Rating F operational rating 150

Abbey Victoria

2019 Rating F operational rating 146

2018 Rating G operational rating 159

2017 Rating G operational rating 152

Beechwood Ward

2019 Rating D operational rating 83

2018 Rating D operational rating 92

2017 Rating D operational rating 89

Cynthia Spencer Hospice

2019 Rating C operational rating 69

2018 Rating C operational rating 69

2017 Rating C operational rating 64

Corby Willowbrook

2019 Rating F operational rating 131

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2018 Rating F operational rating 143

2017 Rating F operational rating 134

Corby NDC

2019 Rating F operational rating 131

2018 Rating F operational rating 143

2017 Rating F operational rating 134

Danetre Community Hospital

Danetre is a modern purpose built healthcare facility, this is reflected in the buildings DEC operational performance. The hospital is a PFI scheme with NHS Property Services as the client and the Trust as the main tenant. The FM company have energy targets included in the contract and monitor energy use on a monthly basis. An energy report is produced for NHS Property Services on a monthly basis within the FM report.. The Danetre site does include a Grade II listed building H Block, which has a poorer energy performance.

Main Block Danetre Hospital

2019 Rating C operational rating 74

2018 Rating D operational rating 83

2017 Rating C operational rating 72

H Block

2019 Rating E operational rating 102

2018 Rating D operational rating 97

2017 Rating E operational rating 123

Summary

This year will see the roll out of AMR (Automatic meter reading) to include water. Reduction targets of 2% have been set for core resources Gas, Electric & water in the environmental management plan for the investors in the environment accreditation. Electricity reduction could be easily achieved by the continuation of LED lighting projects, occupancy control of the lighting, PC power saving software on all PC's and laptops and good house-keeping techniques by staff by raising staff awareness.

Display Energy Certificate

How efficiently is this building being used?



Northamptonshire Healthcare NHS Trust
Berrywood Hospital
Berrywood Road
NORTHAMPTON
NN5 6UD

Certificate Reference Number:

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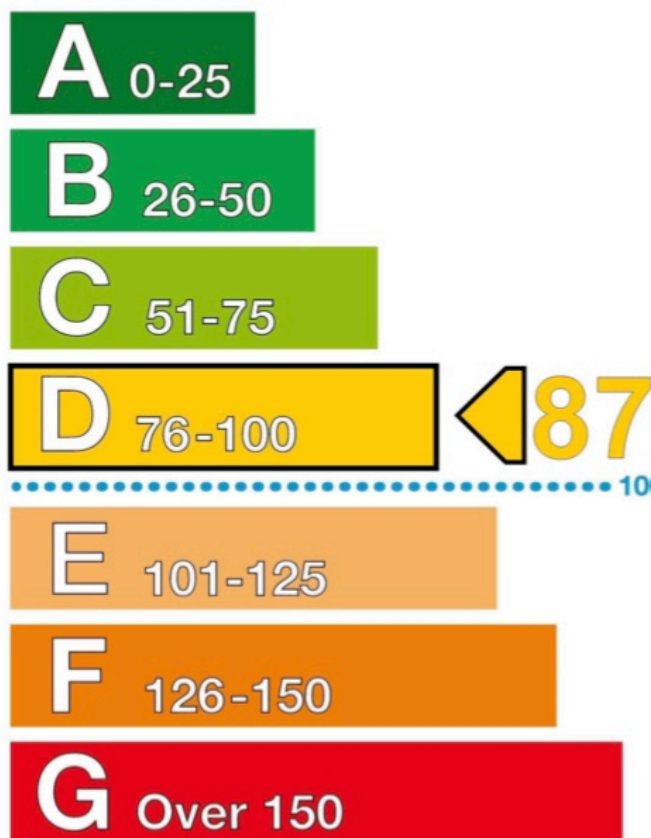
Draft Copy

This certificate indicates how much energy is being used to operate this building. The operational rating is based on meter readings of all the energy actually used in the building. It is compared to a benchmark that represents performance indicative of all buildings of this type. There is more advice on how to interpret this information on the Government's website www.communities.gov.uk/epbd.

Energy Performance Operational Rating

This tells you how efficiently energy has been used in the building. The numbers do not represent actual units of energy consumed; they represent comparative energy efficiency. 100 would be typical for this kind of building.

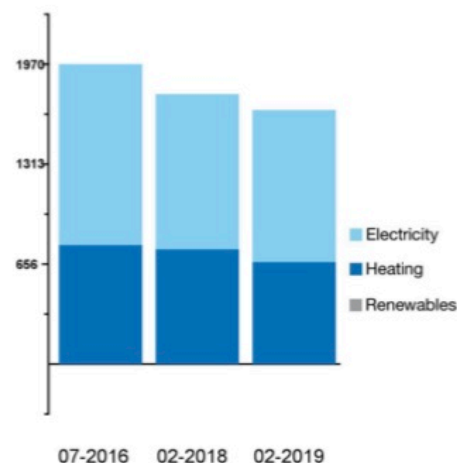
More energy efficient



Less energy efficient

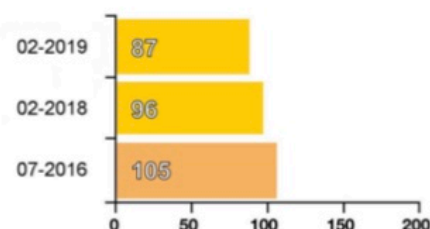
Total CO₂ Emissions

This tells you how much carbon dioxide the building emits. It shows tonnes per year of CO₂.



Previous Operational Ratings

This tells you how efficiently energy has been used in this building over the last three accounting periods



Technical information

This tells you technical information about how energy is used in this building. Consumption data based on actual meter readings.

Main heating fuel: Natural Gas
Building Environment: Heating and Mechanical Ventilation
Total useful floor area (m²): 14311
Asset Rating: Not available.

| | Heating | Electricity |
|---|---------|-------------|
| Annual Energy Use (kWh/m ² /year) | 242 | 127 |
| Typical Energy Use (kWh/m ² /year) | 434 | 90 |
| Energy from renewables | 0% | 0% |

Administrative information

This is a Display Energy Certificate as defined in SI 2007/991 as amended.

Assessment Software: DCLG, ORCalc, v3.6.3
Property Reference: 279038150000
Assessor Name: Unverified
Assessor Number: Unverified
Accreditation Scheme: Unverified
Employer/Trading Name: Unverified
Employer/Trading Address: Unverified
Issue Date: 05-03-2019
Nominated Date: 01-02-2019
Valid Until: 31-01-2020
Related Party Disclosure: Contractor to the occupier for EPB services only
Recommendations for improving the energy efficiency of the building are contained in the accompanying Advisory Report.