

# Tystysgrif Ynni i'w Harddangos

## Pa mor effeithlon y mae'r adeilad hwn yn cael ei ddefnyddio?



Welsh Assembly  
The Senedd Building  
National Assembly for Wales  
Pierhead Street  
CARDIFF  
CF99 1NA

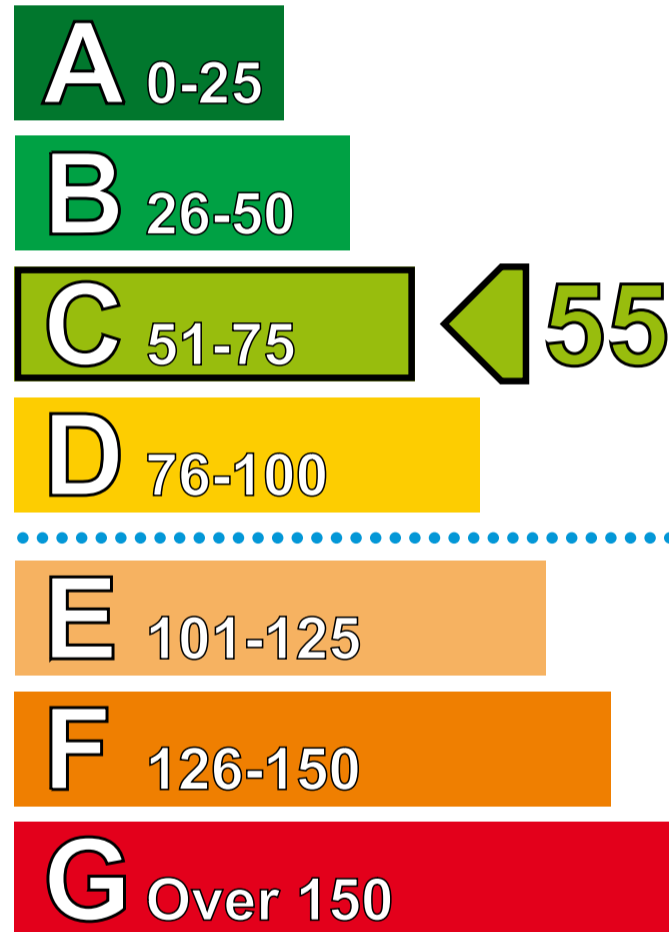
**Cyfeirif y Dystysgrif:**  
0224-2292-7810-0000-6003

Mae'r dystysgrif hon yn dangos faint o ynni sy'n cael ei ddefnyddio i redeg yr adeilad hwn. Mae'r cyfraddiad gweithredu wedi'i seilio ar ddarlleniadau'r mesurydd ar gyfer yr holl ynni sy'n cael ei ddefnyddio yn yr adeilad mewn gwirionedd gan gynnwys goleuo, gwresogi, oeri, awyru a dŵr poeth. Mae'n cael ei gymharu â meincnod sy'n cynrychioli perfformiad sy'n nodweddiadol o bob adeilad o'r math hwn. Ceir rhagor o wybodaeth am sut i ddehongli'r wybodaeth hon yn y ddogfen gyfarwyddyd *Display Energy Certificates and advisory reports for public buildings* sydd ar gael ar wefan y Llywodraeth yn: [www.gov.uk/government/collections/energy-performance-certificates](http://www.gov.uk/government/collections/energy-performance-certificates).

### Dosbarthiad Gweithredol Perfformiad Ynni

Yma nodir pa mor effeithiol y mae'r ynni wedi cael ei ddefnyddio yn yr adeilad. Nid yw'r rhifau yn cynrychioli unedau gwirioneddol o ynni a ddefnyddiwyd; maent yn nodi'r effeithlonrwydd ynni cymharol. Byddai 100 yn nodweddiadol o'r math hwn o adeilad.

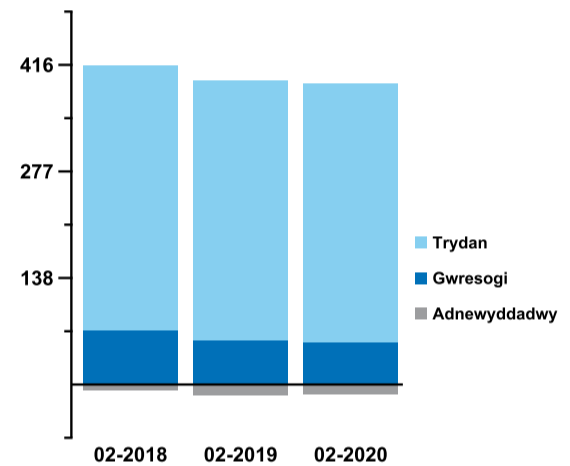
Mwy effeithlon o ran ynni



Llai effeithlon o ran ynni

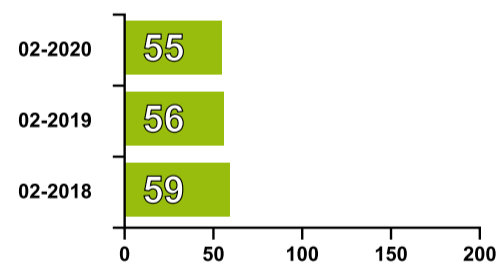
### Cyfanswm Allyriadau CO<sub>2</sub>

Yma nodir faint o garbon deuocsid y mae'r adeilad yn ei allyrru. Mae'n dangos y tuneli y flwyddyn o CO<sub>2</sub>.



### Dosbarthiad Gweithredol Blaenorol

Yma nodir pa mor effeithlon y mae ynni wedi cael ei ddefnyddio yn yr adeilad hwn dros y tri chyfnod cyfrifo diwethaf.



### Gwybodaeth dechnegol

Yma nodir gwybodaeth dechnegol am y modd y mae ynni yn cael ei ddefnyddio yn yr adeilad hwn. Data defnydd yn seiliedig ar ddarlleniadau mesurydd gwirioneddol.

**Prif danwydd gwresogi:** Biomass  
**Amgylchedd yr Adeilad:** Gwresogi ac Awyru Naturiol  
**Cyfanswm arwynebedd y llawr a ddefnyddir (m<sup>2</sup>):** 5121  
**Dosbarthiad Ased:** Dim ar gael

	Gwresogi	Trydan
Defnydd Ynni Blyneddol (kWh/m <sup>2</sup> /y flwyddyn)	131	120
Defnydd Ynni Nodweddiadol (kWh/m <sup>2</sup> /y flwyddyn)	337	133
Ynni o danwydd adnewyddadwy	39.7%	0%

### Gwybodaeth weinyddol

Tystysgrif Ynni i'w Harddangos yw hon fel y'i diffinnir yn Rheoliadau Perfformiad Ynni Adeiladau 2012, fel y'u diwygiwyd.

**Meddalwedd Asesu:** DCLG, ORCalc, v3.6.3  
**Cyfeirnod yr Eiddo:** 647022820000  
**Enw'r Asesydd:** Ian Shaw IEng ACIBSE  
**Rhif yr Asesydd:** LCEA026920  
**Cynllun Achredu:** CIBSE Certification Limited  
**Enw Cyflogwr/Masnachu:** CBRE  
**Cyfeiriad Cyflogwr/Masnachu:** CBRE, Critical Environments Division, London, SE1 0HL  
**Dyddiad Cyhoeddi:** 27-01-2020  
**Dyddiad a Enwebwyd:** 28-02-2020  
**Dilys Hyd:** 27-02-2021  
**Datgeliad Parti Cysylltiedig:** Dim perthynas â'r meddiannydd.

Mae argymhellion ar gyfer gwella perfformiad ynni'r adeilad wedi'u cynnwys yn yr Adroddiad Argymhellion perthynol - .  
Gallwch gael manylion y CIBSE Certification Limited yn [cibsecertification.com](http://cibsecertification.com).

# Display Energy Certificate

## How efficiently is this building being used?

Welsh Assembly  
The Senedd Building  
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Pierhead Street  
CARDIFF  
CF99 1NA

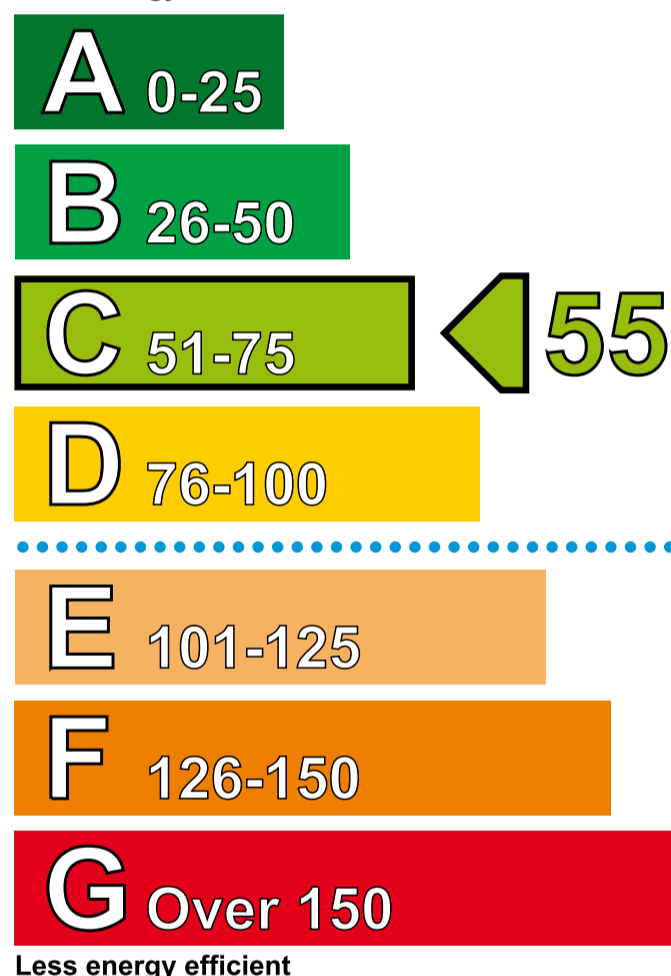
**Certificate Reference Number:**  
0224-2292-7810-0000-6003

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 including for lighting, heating, cooling, ventilation and hot water. 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 in the guidance document *Display Energy Certificates and advisory reports for public buildings* available on the Government's website at: [www.gov.uk/government/collections/energy-performance-certificates](http://www.gov.uk/government/collections/energy-performance-certificates).

### 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.

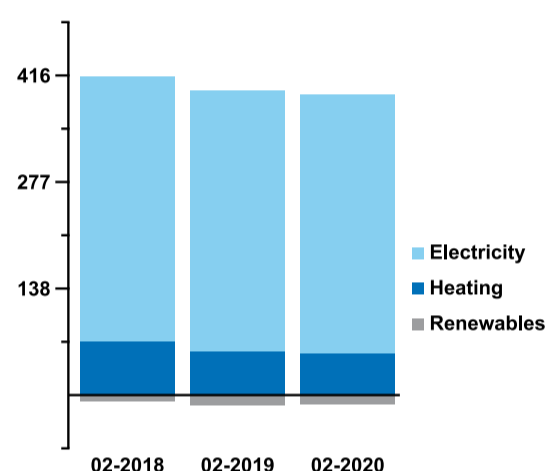
More energy efficient



Less energy efficient

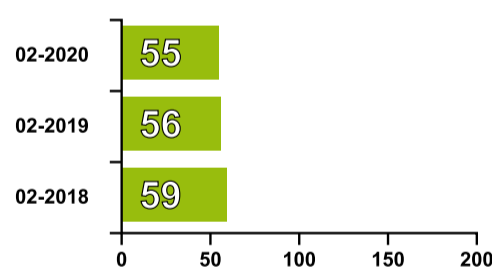
### Total CO<sub>2</sub> Emissions

This tells you how much carbon dioxide the building emits. It shows tonnes per year of CO<sub>2</sub>.



### 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:** Biomass  
**Building environment:** Heating and Natural Ventilation  
**Total useful floor area (m<sup>2</sup>):** 5121  
**Asset Rating:** Not available

	Heating	Electricity
Annual Energy Use (kWh/m <sup>2</sup> /year)	131	120
Typical Energy Use (kWh/m <sup>2</sup> /year)	337	133
Energy from renewables	39.7%	0%

### Administrative Information

This is a Display Energy Certificate as defined in the Energy Performance of Buildings Regulations 2012 as amended.

**Assessment Software:** DCLG, ORCalc, v3.6.3  
**Property Reference:** 647022820000  
**Assessor Name:** Ian Shaw IEng ACIBSE  
**Assessor Number:** LCEA026920  
**Accreditation Scheme:** CIBSE Certification Limited  
**Employer/Trading Name:** CBRE  
**Employer/Trading Address:** CBRE, Critical Environments Division, London, SE1 0HL  
**Issue Date:** 27-01-2020  
**Nominated Date:** 28-02-2020  
**Valid Until:** 27-02-2021  
**Related Party Disclosure:** Not related to the occupier.

Recommendations for improving the energy performance of the building are contained in the associated Recommendation Report - .  
You can obtain contact details of CIBSE Certification Limited at [cibsecertification.com](http://cibsecertification.com).