



Energy

in Northern Ireland

2020

Quality Report



Background

During 2014, and following agreement with officials in the Energy Division of the Department of Enterprise, Trade and Investment (now the Department for the Economy), statisticians within the Analytical Services Unit began the development of a new statistical report intended to provide a comprehensive and accessible overview of key statistics and information relating to energy in Northern Ireland.

The potential of such a development was acknowledged specifically given the complexity of energy as a policy area and an acknowledgement that by bringing a disparate range of existing and emerging information and statistics into a single coherent source would add considerable value. A similar development had been completed and published by the Scottish Government in 2014 which provided an exemplar in terms of a potential approach.

The broad development of the report included: identifying and reviewing a range of potential sources of statistics, data and information in relation to energy in Northern Ireland; querying and clarifying any data or information issues raised; actively supporting emerging information-critical UK survey and administrative sources in terms of implementation and coverage in Northern Ireland; and developing the statistical report working with key stakeholders and data providers.

The majority of statistics and data included are National Statistics or Official Statistics sourced from producers such as the Department for Business, Energy and Industrial Strategy (BEIS), the Northern Ireland Statistics and Research Agency (NISRA) and the Office for National Statistics (ONS) among others.

The publication is structured around 6 chapters including:

- key statistics and information for Northern Ireland to provide a broad context
- the economic contribution of energy to the local economy
- electricity generation, transmission, distribution and supply
- renewable electricity generation
- total energy consumption
- energy and the consumer

The current 2020 report is the third iteration of the report with previous versions published in 2018 and 2016. As there are numerous data sources referenced throughout the report, further information regarding the quality of the sources can be found in Annex A.

Relevance

There are a wide variety of stakeholders and users of this information in particular: Departmental officials within DfE Energy Division; Elected Representatives; academics; the general public; statisticians within BEIS, NISRA, DfE, ONS and the Scottish Government; NIE Electricity Networks; SONI; Eirgrid; and the Utility Regulator. In the original development of the first report, an early stage draft was made available for comment and input by a range of key stakeholders with expertise in energy and energy statistics.

There is evidence both from web trends analysis, previous user feedback from correspondence and comments received from responses to the user consultation conducted, that the Energy in Northern Ireland report is regularly used by those with an interest in the energy field.

Accuracy and Reliability

The majority of statistics and data included within the report are National Statistics or Official Statistics sourced from producers such as the Department for Business, Energy and Industrial Strategy (BEIS), the Northern Ireland Statistics and Research Agency (NISRA) and the Office for National Statistics (ONS) among others.

Timeliness and Punctuality

The report is currently updated in full every two years.

The data presented in the report is the most up-to-date available at the time of publication. For the 2020 report and, where possible, data for 2019 or 2020 has been used although some data relates to earlier periods. All web links to sources, reports, datasets etc. referenced in the report were accurate as at time of publication.

Accessibility and Clarity

The report can be accessed online in PDF format.

Coherence and Comparability

A large amount of data in the report comes from UK wide publications which means that the figures are often comparable to UK and UK regional data as well as being comparable to the Republic of Ireland and the EU. This is useful in providing a wider contextual basis for the picture of energy in Northern Ireland as rehearsed in the report.

Annex A

The data, statistics and information referenced in the Energy in Northern Ireland 2020 report and the associated quality information has been presented below in the order that it appears in the main body of the report. If a source is used in more than one place it will be considered here in the first place it is found only.

Further information on the different types of Official Statistics can be found here:

[Types of official statistics](#)

Chapter 1
Northern Ireland Key Facts

Chapter 1: Northern Ireland Key facts

Geography

Data:

The Countries of the UK

Not an Official Statistic

Source:

Office for National Statistics – Source for Northern Ireland: [Northern Ireland Statistics and Research Agency](#).

Description:

The top-level division of administrative geography in the UK is the 4 countries of England, Scotland, Wales and Northern Ireland.

As well as the national government at Westminster, there are also devolved administrations in Edinburgh, Cardiff and Belfast.

[The countries of the UK index](#)

Data Quality:

Office for National Statistics geographic guidance and methodology information.

Data:

Geography Statistics of Ireland

Not an Official Statistic

Source:

World Atlas.

Description:

The data gives details of the geography statistics of Ireland.

[World Atlas Ireland](#)

Data Quality:

World Atlas is used as a resource for educators, students, and those who are simply curious about the world around them. It presents reputable facts about the world that are from well-researched, trusted sources in a way that is free of jargon, making it accessible and easy to comprehend.

Data:

Review of the statistical classification and delineation of settlements



Source:

Northern Ireland Statistics and Research Agency.

Description:

Details of the number of people that live in small/medium/large town or cities comes from the Review of the Statistical Classification and Delineation of Settlements March 2015. This review, developed by the Census office in the Northern Ireland Statistics and Research Agency, uses data from the Census 2011 to review the classification of settlements which are used by the majority of official statistics.

[Review of statistical classification and delineation settlements](#)

Data Quality:

The publication is currently classified as a National Statistic which means it is assessed as fully compliant with the Code of practice for Statistics meeting the highest standards of trustworthiness, quality and value.

Climate

Data:

Northern Ireland: Climate

Not an Official Statistic

Source:

The Met Office.

Description:

Data on the Climate for this publication comes from the Met Office. The Met Office is the national meteorological service for the UK. It provides critical weather services and world-leading climate science.

[Northern Ireland climate - Met Office](#)

Data Quality:

Data from the Met Office is rated as the strongest of the main digital weather forecast providers in terms of consumer perceptions of accuracy, with a Consumer Accuracy Index of 76.4 for first and second providers, compared to an average of 73.9 for the other digital brands surveyed. (Independent research from Walnut Unlimited, Perceptions of Accuracy, October 2018, monitored quarterly).

It has been independently verified that the Met Office provides highly accurate forecasts for the UK that are more accurate than other providers in a *June 2016* accuracy comparison study, which compared forecast to actual values at 122 UK stations over a rolling 36-month period. The data was provided by Climendo and verified internally using an independently scrutinised verification process.

Links to the accuracy document can be found at:

[Accuracy and Trust](#)

Population

Data:

Population estimates, population projections and household projections for Northern Ireland.



Source:

Northern Ireland Statistics and Research Agency.

Description:

National population projections provide an estimate of the future size and age structure of the population of Northern Ireland. Data is provided by the Northern Ireland Statistics & Research Agency (NISRA) on estimated and projected population figures and the number of households in NI.

National population projections, by age and sex, are produced every two years for the UK, and each of the UK constituent countries, by the Office for National Statistics (ONS) on behalf of the National Statistician and the Registrars General of Scotland and Northern Ireland. The current set of projections relating to a base year of mid-2018.

[2018 mid-year population estimates Northern Ireland](#)

Household projections are calculated by applying assumptions about household formation to the most recent population projections. National population projections by age and sex are produced every two years for the UK and its constituent countries by the Office for National Statistics (ONS). Household projections are derived by using Census household data to create age-sex specific household membership rates, which are then applied to the latest population projections.

[Northern Ireland household projections 2016 based](#)

The most recent population projections are based on the mid-2018 population estimates and were published in June 2019.

[2018 based population projections Northern Ireland](#)

[Population estimates for UK \(England and Wales, Scotland and Northern Ireland\)](#)

Data Quality Sources:

Population estimates, population projections and household estimates are currently classified as National Statistics. These data are also subject to a rigorous validation process by the Northern Ireland Statistics & Research Agency. Data quality documentation is available at: [Northern Ireland Mid-year Estimates and Projections data quality document](#):

[Population Data Quality](#)

Population Projections for the UK:

[National population projections qmi quality summary](#)

Transport

Data:

Percentage of households with cars by income group, tenure and household composition



Source:

Office for National Statistics.

Description:

The information is derived from the results of the Living Costs and Food (LCF) Survey. The [Living Costs and Food Survey](#) (LCF) is an annual survey, designed primarily to measure household expenditure on goods and services. It also gathers information about the income of household members. Respondents, including children, keep a detailed diary of expenditure for 2 weeks. Respondents also record the weights and volumes of food and drink items bought.

The table referenced in the report can be found at:

[Percentage of households with cars by income group tenure and household composition - UK table](#)

Data Quality Sources:

Living Costs and Food (LCF) Survey results are a National statistic, the quality report can be found at:

[Living costs and food survey qmi](#)

Data:

Car ownership in Northern Ireland

Official Statistic

Source:

Central Survey Unit of the Northern Ireland Statistics and Research Agency.

Description:

The Continuous Household Survey is designed to provide a regular source of information on a wide range of issues relevant to Northern Ireland. It has been running since 1983, with recent results covering housing characteristics, changing population, tourism, participation in sports, arts and culture and attitudes towards the environment.

[CHS results](#)

Data Quality Sources:

Details on the survey methodology can be found at:

[Continuous household survey](#)

Data:

Vehicle licensing data



Source:

Department for Transport and Driver and Vehicle Licensing Agency.

Description:

Data on all licensed and registered vehicles, produced by the Department for Transport can be found here:

[All icensed vehicles](#)

Data Quality Sources:

Vehicle Licensing data is a National statistic, notes on the statistics can be found at:

[Vehicle licensing statistics - notes and definitions](#)

Data:

Travel Survey for Northern Ireland (TSNI) in-depth report 2016-2018



Source:

Department for Infrastructure, Northern Ireland Statistics and Research Agency.

Description:

The TSNI collects information on how and why people travel within Northern Ireland. Three years of data is combined to ensure the analysis carried out is robust. The in-depth report is produced annually and contains detailed results and trend data.

[Travel survey Northern Ireland depth report - 2016-2018](#)

Data Quality Sources:

The report is a National Statistic and its quality report can be found at:

[Background quality report - travel survey Northern Ireland](#)

Data:

National Travel Survey 2018



Source:

Department for Transport.

Description:

The National Travel Survey is a household survey of personal travel by residents of England travelling within Great Britain, from data collected via interviews and a seven-day travel diary.

[National Travel Survey 2018](#)

Data Quality Sources:

The report is a National Statistic, the quality report can be found at:

[NTS 2018 quality report](#)

Housing

Data:

Census figures



Source:

Northern Ireland Statistics and Research Agency.

Description:

For the 2011 Census a household is defined as 'one person living alone, or a group of people (not necessarily related) living at the same address who share cooking facilities and share a living room, sitting room or dining area'. The Census is completed for all known households in Northern Ireland and some work was undertaken during the planning phases to ensure all households received a form.

[2011 Census: Key Statistics and Quick Statistics for local authorities in the United Kingdom](#)

Data Quality Sources:

Census figures are National Statistics, their quality document can be found at:

[2011 census quality assurance strategy](#)

Data:**2016 Northern Ireland House Condition Survey (HCS)****Source:**

Northern Ireland Housing Executive.

Description:

The 2016 HCS report, which was published in May 2018, presents a comprehensive overview of Northern Ireland's dwelling stock and its occupants in 2016, including information about fuel poverty, disrepair, Decent Homes, the Standard Assessment Procedure (SAP), the Housing Health and Safety Rating System (HHSRS), unfitnes, and household profiles.

[House Condition Survey](#)

Data Quality Sources:

The report is a National Statistic and its data quality report can be found at:

[NIHCS background quality report 2](#)

Data:**English Housing Survey Headline report****Source:**

Ministry of Housing, Communities and Local Government.

Description:

The English Housing Survey (EHS) is a flagship survey of the Ministry of Housing, Communities and Local Government (MHCLG). It is designed to collect information about people's housing circumstances and the energy efficiency and condition of the housing stock in England. It covers all housing tenures and provides valuable information and evidence to inform the development and monitoring of MHCLG's housing policies.

The Department for Business, Energy and Industrial Strategy (BEIS) makes an annual financial contribution to the EHS and uses the data to measure the effectiveness of its policies designed to improve the energy efficiency of English homes and to monitor fuel poverty.

[English Housing Survey 2016 - energy efficiency](#)

Data Quality Sources:

A data quality report is produced annually, the latest is available at:

[EHS Quality Report 2017-18](#)

Economy

Data:

Inter Departmental Business Register (IDBR)



Source:

Northern Ireland Statistics and Research Agency.

Description:

The IDBR is a comprehensive list of businesses registered for Value Added Tax (VAT) and/or operating a Pay As You Earn (PAYE) scheme in the United Kingdom. It is the main sampling frame for business surveys carried out by UK government departments including the Office for National Statistics (ONS) and the Northern Ireland Statistics and Research Agency (NISRA).

All data on the IDBR are treated as OFFICIAL SENSITIVE and are protected by the Code of Practice for Official Statistics and specific legislation.

The Northern Ireland element of the IDBR is maintained by the Economic and Labour Market Statistics Branch (ELMSB) within the Northern Ireland Statistics and Research Agency (NISRA), an agency of the Department of Finance (DoF).

[Inter departmental business register](#)

In Chapter 2 the Number of Energy Enterprises in Northern Ireland 2010 to 2019, comes from an extract of the Inter Department Business and can be found on:

[Nomis website](#)

Data Quality Sources:

The two main sources of input for the IDBR are the VAT and PAYE records from Her Majesty's Revenue and Customs (HMRC). Additional input is provided by [Companies House](#) and [Dun and Bradstreet](#). The register is also updated by information received from business surveys issued by the ONS and NISRA. Industry data on the IDBR is robust however the quality is negatively impacted by non-response to the validation survey and delay between registration and validation. The timeliness of employment figures for an individual business are dependent on inclusion in the BRES.

A data quality report can be found at:

[Uk business activity size and location qmi](#)

Data:

UK business; activity, size and location: 2019



Source:

Office for National Statistics.

Description:

UK business; activity, size and location, 2019 is produced from an extract taken from the Inter-Departmental Business Register (IDBR) recording the position of businesses.

[UK business activity size and location 2019](#)

Data Quality Sources:

This is a National Statistic, its data quality report is can be found at:

[UK business activity size and location qmi](#)

Data:

Regional economic activity by gross domestic product, UK: 1998 to 2018



Source:

Office for National Statistics.

Description:

Annual estimates of economic activity by UK country, region and local area using gross domestic product (GDP).

[Regional economic activity by gross domestic product UK 1998 to 2018](#)

Data Quality Sources:

This report is a National Statistic and its quality document can be found at:

[Regional gross disposable household income qmi](#)

Chapter 2
Energy and the Economy

Chapter 2: Energy and the Economy

Data:

Low carbon and renewable energy economy (LCRE) UK: 2018

Official Statistic

Source:

Office for National Statistics.

Description:

The figures in this bulletin are survey-based estimates. The low carbon economy is defined as economic activities that deliver goods and services that generate significantly lower emissions of greenhouse gases; predominantly carbon dioxide.

The Low Carbon and Renewable Energy (LCRE) Economy Survey was designed to provide greater detail on the low carbon and renewable energy economy in the UK.

[Final estimates latest](#)

Direct activity in the Low Carbon and Renewable Energy Economy (LCREE) by business activity type, UK: 2018

[Direct activity in the low carbon and renewable energy economy \(LCREE\) by business activity type UK 2018](#)

All data related to Low carbon and renewable energy economy, UK: 2018

[Related data](#)

Data Quality Sources:

The LCRE is an Official statistic, its quality document can be found at:

[Low carbon and renewable energy economy \(LCREE\) survey qmi](#)

Data:

Energy in Scotland 2018

Official Statistic

Source:

Scottish government.

Description:

Energy in Scotland 2018 provides an overview of energy statistics for Scotland. All statistics presented in the report are from published sources, including publications by the UK Department for Business, Energy and Industrial Strategy and the Scottish Government.

[Energy in Scotland 2018](#)

Data Quality:

Links to the sources in the report and their quality documentation can be found in the report.

Data:

Business Register and Employment Survey (BRES)



Source:

Office for National Statistics.

Description:

This bulletin summarises findings from the Northern Ireland Business Register and Employment Survey (BRES) 2015. The 2015 BRES was a full census of all businesses in Northern Ireland, while the 2014 BRES was a sample survey of approximately 12,000 businesses in Northern Ireland. The effective response rate for BRES 2015 was 88 per cent.

This bulletin summarises findings from the Northern Ireland Business Register and Employment Survey (BRES). The data can be found at:

[Region business register and employment survey \(BRES table3\)](#)

Data Quality Sources:

This data is a National Statistic, its quality document can be found at:

[Business register employment survey \(BRES\) QMI](#)

Data:

Northern Ireland Annual Business Inquiry (NIABI)



Source:

Northern Ireland Statistics and Research Agency.

Description:

The NIABI is a key resource for measuring the size, performance and structure of the Northern Ireland non-financial business economy. It is a survey of businesses covering the Production, Construction, Distribution and Service industries and covers roughly two thirds of the total NI economy. Public sector bodies are excluded from the survey.

[Annual Business Inquiry](#)

[ABI sample coverage](#)

Data Quality Sources:

This data is a National Statistic, its quality document can be found at:

[Usage methods and quality and revisions policy ABI](#)

Chapter 3

Electricity

Chapter 3: Electricity

Data:

Digest of United Kingdom Energy Statistics 2019



Source:

Department for Business, Energy and Industrial Strategy (BEIS).

Description:

The Digest of United Kingdom Energy Statistics 2019 (DUKES) is compiled by the Department for Business, Energy and Industrial Strategy it provides a comprehensive account of energy supply and demand in the United Kingdom.

This section uses data from Chapter 5 of DUKES on Electricity which can be found at:

[Digest of United Kingdom Energy Statistics 2019.](#)

Data from the following article which comes from the DUKES report is also included in this section:

[Regional Electricity Generation and Supply 2015 to 2018](#)

Data from Chapter 6 of the DUKES on Renewable sources of energy is used in Chapter 4.

[Digest of UK energy statistics DUKES 2019](#)

Data Quality Sources:

This is a National Statistic, its quality report can be found at:

[Electricity MPPs and other generators](#)

Data:**System and Renewable data Summary Report**

Not an Official Statistic

Source:

EIRGRID Group.

Description:

The electricity system on the island of Ireland is undergoing a transformation as a result of the growing integration of renewable energy and the implementation of broader technological innovation. The electricity sector will play a key role in shaping a sustainable energy future for Ireland and Northern Ireland. EirGrid Group is developing many of the necessary infrastructural and operational requirements to facilitate this shift across the island. As the Transmission System Operators, EirGrid and SONI are responsible for managing electricity supply and demand in real-time and controlling flows of power on the island's transmission systems. A summary report of the system and renewable energy can be found here:

[System and Renewable Data Summary Report](#)**Data Quality Sources:**

Not available.

Data:**Trading across the Moyle Interconnector**

Not an Official Statistic

Source:

Mutual Energy.

Description:

The Moyle Interconnector is a High Voltage Direct Current (HVDC) connection between Northern Ireland and Scotland. It is made up of two 250MW cables and can operate in either direction, providing a total connection of 500MW between the all-Ireland Single Electricity Market and the GB market.

[Trading across the Moyle Interconnector-ISEM](#)**Data Quality Sources:**

Not available.

Data:

Cross Border Interconnection Not an Official Statistic

Source:

Department for the Economy.

Description:

Information on electricity interconnectors linking the NI grid and the ROI grid.

[Cross Border Interconnection.](#)

Data Quality Sources:

Not available.

Data:

Quick Guide to the I-SEM Not an Official Statistic

Source:

Single Electricity Market Committee.

Description:

Information on the Single Electricity Market and the all Ireland wholesale electricity market.

[ISEM Quick Guide](#)

[New all-island wholesale electricity market goes live](#)

Data Quality Sources:

Not available.

Data:

North South Interconnector Not an Official Statistic

Source:

System Operator for Northern Ireland (SONI).

Description:

Information on the North South Interconnector.

[North South Interconnector](#)

Data Quality Sources:

Not available.

Data:**Electricity Consumption and Renewable Generation Statistics**

Official Statistic

Source:

Department for the Economy.

Description:

Statistics on Electricity Consumption and Renewable Generation in Northern Ireland:

[Electricity consumption and renewable generation statistics](#)**Data Quality Sources:**

Data quality information is contained in the report.

Data:**Sub-national Electricity and Gas consumption****Source:**

Department for Business, Energy and Industrial Strategy.

Description:

Estimates of annual electricity and gas consumption at and below national level in England, Scotland and Wales. Latest estimates are for 2018.

[Sub-national Electricity and gas consumption summary report 2018](#)

Sub-national domestic electricity consumption statistics in Northern Ireland can be found at:

[Sub-national domestic electricity consumption statistics in Northern Ireland](#)

In Chapter 5 the 2015 to 2017 data consists of total consumption, number of meters and average consumption per meter for each District Council area in Northern Ireland. Consumption is shown split by domestic and non-domestic customers.

[Sub-national gas consumption statistics in Northern Ireland 2019-2017 data](#)

The 2017 report is used for comparisons in Chapter 6.

[Sub-national electricity and gas consumption summary report 2017](#)**Data Quality Sources:**

Quality information can be found in:

[Sub-national methodology guidance](#)

Data:**Stacked electricity consumption statistics data**

Official Statistic

Source:

Department for Business, Energy and Industrial Strategy.

Description:

Electricity consumption data for 2005 to 2018.

[Stacked electricity consumption statistics data](#)

By local authority

[Electricity LA stacked spreadsheet](#)**Data Quality Sources:**

The data quality report can be found at:

[Sub-national methodology guidance](#)**Data:****2018 Electricity and Gas Retail Markets Annual Report**

Not an Official Statistic

Source:

Commission for Regulation of Utilities (CRU), Ireland.

Description:

This CRU report is to provide consumers, industry and other interested stakeholders with relevant information on the development of competition in Ireland's electricity and gas retail markets in 2018. The annual report draws on a range of data sources from the past year and provides an overview of the key developments in the electricity and gas retail markets.

[2018 Electricity and Gas Retail Markets Annual Report](#)**Data Quality Sources:**

Not available.

Data:

Energy Trends UK electricity



Source:

Department for Business, Energy and Industrial Strategy.

Description:

Data on electricity generation, supply, consumption and fuel use for generation.

[Electricity section 5 energy trends](#)

Data Quality Sources:

This is a National Statistic, its quality report can be found at:

[Energy balance](#)

Chapter 4
Renewable Electricity

Chapter 4: Renewable Electricity

Data:

About Renewable Energy – Related to Canada

Not a UK statistic

Source:

Government of Canada

Description:

The report details Renewable Energy in Canada.

[About renewable energy](#)

Data Quality:

Not available.

Data:

DS3 Programme

Not an Official Statistic

Source:

SONI

Description:

Information on the DS3 Programme.

[How the grid works - DS3 programme](#)

Data Quality:

Not available.

Data:

Regional Renewable Statistics



Source:

Department for Business, Energy and Industrial Strategy

Description:

The tables show a variety of renewable electricity data for the devolved administrations and the regions of England.

[Regional renewable statistics](#)

Data Quality:

This is a National Statistic, its quality report can be found at:

[Renewables Background Quality Report](#)

Data:

Energy Trends: December 2019, special feature article - Electricity generation and supply figures for Scotland, Wales, Northern Ireland and England, 2015 to 2018



Source:

Department for Business, Energy and Industrial Strategy

Description:

This is a special feature article it shows how generation and consumption of electricity varies across the four countries of the United Kingdom.

[Energy trends December 2019 - special feature article - electricity generation and supply figures for Scotland, Wales, Northern Ireland and England](#)

Data Quality:

This is a National Statistic, its quality report can be found at:

[Renewables Background Quality Report](#)

Data:

Planning activity statistics

Official Statistic

Source:

Department for Infrastructure

Description:

Reports on the volume of planning applications received and decisions issued, including geographic detail at the Local Government District and the Assembly Constituency levels.

[Planning activity statistics](#)

Data Quality:

Data quality reports can be found at:

[Planning activity statistics](#)

Chapter 5
Total Energy Consumption

Chapter 5: Total Energy Consumption

Data:

Total final energy consumption at regional and local authority level



Source:

Department for Business, Energy and Industrial Strategy.

Description:

Estimates of total final energy consumption from 2003 to 2017 at a regional (NUTS1) and a local (LAU1 - formally NUTS4) level.

[Total final energy consumption at regional and local authority level](#)

Data Quality Sources:

This is a National Statistic, its quality report can be found at:

[Sub-national methodology guidance](#)

Data:

Transmission, distribution and supply of Gas

Not an Official Statistic

Source:

Utility Regulator for Northern Ireland.

Description:

The links below outline recent developments in gas including development of the Northern Ireland gas industry, natural gas licences, gas wayleaves and guidance for gas licence holders.

[UREGNI - gas](#)

[Northern Ireland government - gas](#)

[Economy-ni - gas](#)

Data Quality Sources:

The regulator produces a quarterly transparency report that can be found at:

[Transparency Report Q2 2019](#)

Data:**Utility Regulator for Northern Ireland Transparency Reports**

Not an Official Statistic

Source:

Utility Regulator for Northern Ireland.

Description:

The Quarterly Transparency Reports (QTRs) and Annual Transparency Reports (ATRs) provide a range of information about the retail energy market in Northern Ireland.

[Market Information](#)

Data from these reports is contained throughout the Energy in NI 2020 report.

Data Quality Sources:

Quality information is contained in the report.

Data:**Typical Domestic Consumption Values**

Not an Official Statistic

Source:

Ofgem.

Description:

Typical Domestic Consumption Values (TDCVs) are industry standard values for the annual gas and electricity usage of a typical domestic consumer.

[Typical domestic consumption values](#)**Data Quality Sources:**

Methodology for the latest figures can be found at:

[Review - typical domestic consumption values 2019](#)

Data:

Typical gas consumption by property size and the number of adult occupiers



Source:

Department for Business, Energy and Industrial Strategy.

Description:

The National Energy Efficiency Data-Framework (NEED) was set up by DECC (now BEIS) to provide a better understanding of energy use and energy efficiency in domestic and buildings in Great Britain.

[National Energy Efficient Data Framework NEED Summary 2018](#)

Data Quality Sources:

The methodology report can be found at:

[Domestic national energy efficiency data framework NEED methodology 2019](#)

Data:

Northern Ireland Annual Coal Inquiry

Official Statistic

Source:

Northern Ireland Statistics and Research Agency.

Description:

The Annual Coal Inquiry collects information on all coal and other solid fuels shipped into Northern Ireland each year and the purpose for which it was imported: for domestic or industrial use, or for the generation of electricity. It covers all types of solid fuels including coal, anthracite, lignite, coke and manufactured smokeless fuels. Figures are inclusive of all sources of coal shipped (bulk cargo and containerised) to Northern Ireland, including cross channel and foreign imports.

[NI annual coal inquiry](#)

Data Quality Sources:

Not available.

Data:

Road Lengths in Great Britain



Source:

Department for Transport.

Description:

This annual release presents estimates for road lengths in Great Britain maintained at public expense.

[Road lengths in Great Britain 2019](#)

Data Quality Sources:

This is a National statistic. Statistical information and technical information can be found at:

[Road network size and condition statistics guidance](#)

Data:

Northern Ireland Transport Statistics



Source:

Department for Infrastructure and the Northern Ireland Statistics and Research Agency.

Description:

This statistical report is a compendium publication produced by the Analysis, Statistics and Research Branch (ASRB) of the Department for Infrastructure (DfI). It brings together information on the road network, public transport and accessible transport in Northern Ireland and is published each year around September/October.

[Northern Ireland transport statistics 2018-2019 publication](#)

Data Quality Sources:

This publication is a National Statistic. Its quality report can be found at:

[Background quality report - Northern Ireland transport statistics](#)

Data:

Road transport energy consumption at regional and local authority level



Source:

Department for Business, Energy and Industrial Strategy.

Description:

Consumption statistics for fuels used in road transport at regional and local levels are available below.

[Road transport energy consumption at regional and local authority level](#)

Data Quality Sources:

This dataset is a National Statistic. Its methodology report can be found at:

[Regional energy data guidance note](#)

Chapter 6

Energy and the Consumer

Chapter 6: Energy and the Consumer

Data:

Family Spending and weekly spending



Source:

Office for National Statistics

Description:

The findings in this workbook are taken from data collected on the Living Costs and Food Survey (LCF). The LCF is a UK household survey designed to provide information on household expenditure patterns and food consumption. This workbook breaks the figures down by region:

[Family spending workbook 3 - expenditure by region](#)

Average weekly household expenditure on goods and services in the UK.

[Detailed household expenditure by countries and regions UK table a35](#)

Data Quality Sources:

This is a National Statistic, its quality report can be found at:

[Living costs and food survey qmi](#)

Data:

Energy in Northern Ireland – 2018 and 2016

Official Statistic

Source:

Department for the Economy.

Description:

This publication aims to provide a comprehensive and accessible overview of key statistics and information relating to energy in Northern Ireland.

[Energy in Northern Ireland 2018](#)

[Energy in Northern Ireland 2016](#)

Data Quality Sources:

Quality report unavailable for previous reports.

Data:**BEIS Public Attitude Tracker**

Official Statistic

Source:

Department for Business, Energy and Industrial Strategy.

Description

The Public Attitudes Tracker (PAT) survey covers public attitudes towards Department for Business, Energy and Industrial Strategy (BEIS) policies such as energy, climate change, consumer rights, artificial intelligence and workers' rights.

[BEIS public attitudes tracker wave 32](#)

Proportion of households with central heating data for the UK is taken from the Department for Business, Energy & Industrial Strategy's Public Attitudes Tracker Survey– data is available from [summary tables spreadsheet](#)

Data Quality Sources:

Technical notes on the survey can be found at:

[PAT technical note w33](#)**Data:****Average weekly household expenditure by Expenditure type, Household Composition and Year in the Republic of Ireland**

Not a UK statistic

Source:

Central Statistics Office.

Description:

Republic of Ireland weekly energy expenditure data is derived from the Central Statistics Office's Household Budget Survey available at [statbank](#)

Data Quality Sources:

The Quality report from the Household survey can be found at:

[Household budget survey](#)

Data:**Census 2016 Republic of Ireland**

Not a UK statistic

Source:

Central Statistics Office.

Description:

Proportion of households with central heating data for the Republic of Ireland is taken from the 2016 Census, available on the Central Statistics Office's website - see report [census](#) and data tables [cso website](#).

Data Quality Sources:

CSO data follows strict quality guidelines:

[Statistical standards and quality](#)**Data:****Annual Domestic Energy Bills**

Official Statistic

Source:

Department for Business, Energy and Industrial Strategy.

Description:

BEIS publishes annual estimates of gas and electricity bills, along with statistics on household expenditure on fuel.

[Annual domestic energy price statistics](#)**Data Quality Sources:**

The data quality report can be found at:

[Domestic Energy Prices](#)

Data:**International domestic energy prices used for
Domestic Electricity Prices in the EU for medium consumers****Source:**

Department for Business, Energy and Industrial Strategy.

Description:

BEIS publishes comparisons of industrial energy prices by consumer size against other EU and G7 countries, using data from both Eurostat and the International Energy Agency (IEA).

[International domestic energy prices](#)

Data Quality Sources:

This is a National statistic and its quality report for this report can be found at:

[International price methodology - updated Sept 2017](#)

Data:**The cost of doing business in Northern Ireland**

Research report

Source:

Department for the Economy.

Description:

This research report benchmarks key business cost areas locally against other economies, in particular the United Kingdom and Republic of Ireland.

[Cost of doing business](#)

Data Quality Sources:

Information on the methodology used can be found in the main report:

[Cost of Doing Business report](#)

Data:

Fuel Price Report

Not an Official Statistic

Source:

The AA.

Description:

This report shows Information on fuel prices in different areas of the UK and across Europe and the US.

[Fuel prices](#)

Data Quality Sources:

The report is produced by the AA but comes from Experian. Quality documentation is not readily available, but information on the product can be found at:

[Fuel forecourt data](#)

Data:

Road fuel and other petroleum product price statistics



Source:

Department for Business, Energy and Industrial Strategy.

Description:

BEIS produce statistics on road fuel and other petroleum product price statistics.

[Road fuel and other petroleum product prices](#)

Data Quality Sources:

Data quality information can be found in:

[Petrol price methodology](#)

Data:

Energy price variation in the domestic energy market

Official Statistic

Source:

Department of Energy and Climate Change.

Description:

This article looks at the distribution of bills that customers paid for fixed levels of consumption of electricity and gas to provide a fuller picture of price variation compared to averages published in Quarterly Energy Prices.

[Energy price variation in the domestic energy market](#)

Data Quality Sources:

Not available.
