



**An  
Phríomh-Oifig  
Staidrimh**

Central  
Statistics  
Office

**Standard SIMS Report:  
Networked Gas Daily Consumption**



# **Single Integrated Metadata Structure (SIMS) Report**

**For**

# **Networked Gas Daily Consumption**

This documentation applies to the reporting period:  
**2021-2022**

Last edited: 29<sup>th</sup> March 2023



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## 2. Introduction

The CSO has produced a statistical release on daily metered consumption of users connected to the natural gas mains in Ireland.

## 3. Contact

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<b>Contact Organisation Unit:</b>	Environment and Climate Division
<b>Contact Name:</b>	Dympna Corry
<b>Contact person function:</b>	Statistician
<b>Contact Mail address:</b>	Central Statistics Office, Ardee Road, Rathmines, Dublin 6, D06 FX52
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## 4. Metadata Update

### 4.1. Metadata last certified

30<sup>th</sup> March 2023.

### 4.2. Metadata last posted

30<sup>th</sup> March 2023.

### 4.3. Metadata last update

30<sup>th</sup> March 2023.

## 5. Statistical Presentation

### 5.1. Data Description

Data on energy use are important for environmental, social, and economic purposes. The data are classified according to category of customer type. The data provide insights into trends in consumption by power plants, large daily metered, daily metered, and non-daily metered customers. The data can be used indirectly to make estimates of the amount of natural gas used by dwellings for heating. Similarly, lower-than-average seasonal variation may indicate that other fuel sources are being used for heating purposes, or that affordability is having an effect on consumption.

### 5.2. Classification System

The data have been classified into four types: power plants; large daily metered; daily metered and non-daily metered by Gas Networks Ireland (GNI). Their classification is based on the consumption figure.

### 5.3. Sector Coverage

The non-residential sector includes power plants, large daily metered, daily metered and some of the non-daily metered (smaller SMEs) customers. The residential sector includes the non-daily metered customers.



#### **5.4. Statistical Concepts and definitions**

The data cover all customers connected to the natural gas network. This includes power plants, large daily metered, daily metered, and non-daily metered customers. Three counties (Donegal, Leitrim, and Sligo) had no meter connections.

#### **5.5. Statistical Unit**

Power plants, large daily metered, daily metered, and non-daily metered customers.

#### **5.6. Statistical Population**

All consumers connected to the natural gas network.

#### **5.7. Reference Area**

State

#### **5.8. Time Coverage**

2021-2022.

#### **5.9. Base period**

Not applicable.

### **6. Unit of Measure**

The data are gross calorific values expressed in gigawatt hours (GWh). A gigawatt hour is equivalent to one million kilowatt hours (kWh). A kWh is a unit of energy equivalent to one kilowatt of power sustained over an hour.

### **7. Reference Period**

Daily data

### **8. Institutional Mandate**

#### **8.1. Legal Acts and other agreements**

National reporting of networked gas consumption data is done on a voluntary basis.

#### **8.2. Data Sharing**

The CSO received the administrative microdata from GNI as open data.

### **9. Confidentiality**

#### **9.1. Confidentiality – policy**

All information supplied to the CSO is treated as strictly confidential. The Statistics Act, 1993 sets stringent confidentiality standards: Information collected may be used only for statistical purposes, and no details that might be related to an identifiable person or business undertaking may be divulged to any other government department or body.

These national statistical confidentiality provisions are reinforced by the following EU legislation: Council Regulation (EC) No 223/2009 on European statistics for data collected for EU statistical purposes.



Further details are outlined in the CSO's Code of Practice on Statistical Confidentiality.

For more information on the CSO confidentiality policy please visit:  
<https://www.cso.ie/en/aboutus/lqdp/csodatapolicies/statisticalconfidentiality/>

## **9.2. Confidentiality – data treatment**

All confidential data are treated in accordance with Part V of the Statistics Act, 1993.

## **10. Release Policy**

### **10.1. Release Calendar**

The date of dissemination of all statistics released by the CSO can be found in the Release Calendar published by the CSO. This calendar is regularly updated.

### **10.2. Release calendar access**

The release calendar can be accessed via the CSO website, [www.cso.ie](http://www.cso.ie), or directly from this link:  
<https://www.cso.ie/en/csolatestnews/releasecalendar/>

### **10.3. User access**

In accordance with Principle 6 of the European Statistics Code of Practice all users of CSO statistics have equal access via the CSO website at the same time of 11 am. Any privileged pre-release access to any outside user is limited, controlled, and publicised. In the event that leaks occur, pre-release arrangements are revised so as to ensure impartiality.

The CSO recognises that in very limited circumstances a business need for pre-release access may be substantiated. Any form of pre-release access is a privilege and a strict CSO pre-release access policy is adhered to for these special requests. The full pre-release access policy can be accessed at <https://www.cso.ie/en/aboutus/lqdp/csodatapolicies/csopolicyonpre-releaseaccess/>

The various results are published nationally in statistical release format on the CSO website ([www.cso.ie](http://www.cso.ie)). Selected extracts from the results are posted on the CSO's data dissemination database, PxStat.

## **11. Frequency of Dissemination**

Networked gas daily consumption data is published monthly by the CSO. The microdata was converted from meter readings to daily (non-daily metered consumers) estimates by GNI.

## **12. Accessibility and clarity**

### **12.1. News release**

Not applicable.

### **12.2. Publications**

The release is available on the CSO website via this link:  
<https://www.cso.ie/en/statistics/energy/networkedgasconsumption/>



### **12.3. On-line database**

Metered daily gas consumption data (Customer type and Date) are also accessible from the CSO dissemination database, PxStat, via this link <https://data.cso.ie/product/GNC01>

#### **12.3.1.1. AC 1. Data tables - consultations**

Not calculated.

### **12.4. Micro-data Access**

Not applicable.

### **12.5. Other**

Background notes are provided with each release on the CSO website.

#### **12.5.1.1. AC2. Metadata consultations**

Not calculated.

### **12.6. Documentation on Methodology**

Further information on the methodology used for the compilation of this release can be found on the CSO Methods page <https://www.cso.ie/en/methods/climateandenergy/networkedgasdailyconsumption/>

#### **12.6.1.1. AC3 – Metadata completeness – rate**

Not calculated.

### **12.7. Quality Documentation**

For more information on documentation associated with this release please check the CSO Methods page <https://www.cso.ie/en/methods/climateandenergy/networkedgasdailyconsumption/>

## **13. Quality Management**

### **13.1. Quality Assurance**

#### **Quality Management Framework**

The CSO avails of an office wide Quality Management Framework (QMF). This framework allows all CSO processes and outputs to meet the required standard as set out in the European Statistics Code of Practice (ESCOP). The QMF foundations are based on establishing the UNECE's Generic Statistical Business Process Model (GSBPM) as the operating statistical production model to achieve a standardised approach to Quality Management. All and any changes implemented to CSO processes and outputs require adherence to the QMF.

### **13.2. Quality Assessment**

A Quality Management Self-Assessment will be carried out in 2023.





## 14. Relevance

### 14.1. User Needs

Data on energy use are important for national environmental, social, and economic purposes. The data are classified according to customer type can be used to evaluate environmental, social, and economic policy over time.

#### 14.1.1. Main National Users

Sustainable Energy Authority of Ireland.

#### 14.1.2. Principal External Users

National and international users of statistics on energy use include the SEAI, the government, researchers, the media, and the public.

### 14.2. User Satisfaction

Not measured.

### 14.3. Data Completeness

Not measured.

#### 14.3.1. Data Completeness rate

Not measured.

## 15. Accuracy and reliability

### 15.1. Overall accuracy

Administrative data were provided by GNI. The data are considered to be reliable. The meter readings data were converted to daily consumption estimates by GNI for non-daily metered customers. Meter readings can be actual or estimated. The results are broadly consistent with GNI reports and with the SEAI energy balances (after adjustments were made for CHP plants).

### 15.2. Sampling Error

Not applicable.

#### 15.2.1.1. A1. Sampling error indicator

Not applicable.

### 15.3. Non-sampling Error

Not applicable.

#### 15.3.1. Coverage error

Not applicable.



#### **15.3.1.1. A2. Over coverage rate**

Not applicable.

#### **15.3.1.2. A3. Common units – proportion**

Not applicable.

#### **15.3.2. Measurement error**

Not applicable.

#### **15.3.3. Non-Response Error**

Not applicable.

##### **15.3.3.1. Unit non-response rate**

Not applicable.

##### **15.3.3.2. Item non-response rate**

Not applicable.

#### **15.3.4. Processing error**

Not applicable.

#### **15.3.5. Model assumption error**

Not applicable.

## **16. Timeliness and punctuality**

### **16.1. Timeliness**

Future releases will be published with a time-lag of around four weeks.

#### **16.1.1. TP1. Time lag – First results**

Not applicable.

#### **16.1.2. TP2. Time lag – Final results**

1 month.

### **16.2. Punctuality**

The release was published on time according to the dates specified in the CSO release calendar.

#### **16.2.1. TP3. Punctuality – Punctuality - delivery and publication**

0 days.



## 17. Comparability

### 17.1. Comparability – Geographical

Not applicable.

#### 17.1.1.1. CCI. Asymmetry for mirror flow statistics

Not applicable.

### 17.2. Comparability over time

Data will be reviewed in relation to amounts from previous years to assess consistency.

#### 17.2.1. Length of Comparable Time series

2 years.

### 17.3. Coherence – cross domain

Not applicable.

#### 17.3.1. Coherence – Sub annual and annual statistics

Not applicable.

#### 17.3.2. Coherence with National Accounts

Not applicable.

### 17.4. Coherence – internal

Not applicable.

## 18. Cost and Burden

The Networked Gas Consumption release reuses data collected by GNI. There is no additional cost and burden.

## 19. Data Revision

### 19.1. Data Revision Policy

Revisions refer to changes made to published statistical data when the information used in its production has been updated or corrected. This information includes all data used in compiling the statistic e.g., respondent data, administrative data, weights and factors, methodology, classifications, definitions, modifications to survey questionnaires, survey scope and data collection methods.

The data revision policy that CSO statistics adheres to can be found via the following link: <https://www.cso.ie/en/methods/quality/treatmentofrevisions/>

### 19.2. Data Revision Practice

Revisions will be made in the case that further data become available.



### **19.2.1. Data Revision – Average size**

Not calculated.

## **20. Statistical processing**

### **20.1. Source Data**

The data are based on a mixture of actual and estimated meter readings.

#### **20.1.1. Population and sampling frame**

Not applicable.

#### **20.1.2. Sampling design**

Not applicable.

#### **20.1.3. Survey size**

Not applicable.

#### **20.1.4. Survey technique**

Not applicable.

### **20.2. Frequency of data collection**

Annual.

### **20.3. Data Collection**

The CSO received the administrative microdata from Gas Networks Ireland as open data.

#### **20.3.1. Type of Survey/Process**

Administrative data.

#### **20.3.2. Questionnaire (including explanations)**

Not applicable.

#### **20.3.3. Survey Participation**

Not applicable.

#### **20.3.4. Data Capture**

The CSO received data for 2021-2022 for all customers.

### **20.4. Data Validation**

The results have been compared with GNI reports and with the SEAI energy balances.

### **20.5. Data Compilation**

Not applicable.



### **20.5.1. Imputation (for Non-Response or Incomplete Data Sets)**

Not applicable.

#### **20.5.1.1. A7. Imputation rate**

Not applicable.

### **20.5.2. Grossing and Weighting**

Not applicable.

## **20.6. Adjustment**

Not applicable.

### **20.6.1. Seasonal Adjustment**

Not applicable.

## **21. Comment**