nationalgrid

SASB Report

2024/25



Inside this document

The Sustainability Accounting and Standards Board (SASB) voluntary reporting standards are designed to enable the disclosure of company sustainability information in a clear and consistent manner so that it can be used by investors and other stakeholders. 2024/25 is the fifth year National Grid has published a report aligned to the relevant SASB Standards.

There are currently 77 SASB industry standards, of which 2 are considered relevant for National Grid. This SASB Report sets out our alignment with both the:
•Electric Utilities & Power Generators Standard (US & UK)
•Gas Utilities and Distributors Standard (US)
SASB Standards can be downloaded from the SASB website. National Grid has elected to voluntarily report against the latest version (2023-12) of the standards.

We are pleased that we have continued to achieve alignment to SASB, providing disclosures for all SASB metrics that are relevant to our business, which you can find in the "National Grid Disclosure" column in the tables on the following pages. Some of our disclosures can be found in our Annual Report and Accounts (ARA) in the Investors section of our website https://www.nationalgrid.com/investors, or our Climate Transition Plan (CTP) and Responsibile Business Data Tables, in the responsibility section of our website https://www.nationalgrid.com/responsibility.

We have included a key to detail the segments, operating companies, and units used in our SASB disclosures. Our Gas Utilities and Distribution disclosure applies to the US business only, as the UK have no gas transmission and distribution operations within our continuing business. Additionally, many of the customer and billing focused SASB metrics are not applicable to our UK business, as the UK business is not customer facing. Therefore, these metrics are only relevant to our US business and only US metric data is disclosed.

Key

Term/Acronym	Definition
Segment	
US	United States: includes New England and New York
NE	New England: covers the states of Massachusetts, New Hampshire, Vermont and Connecticut
MA	Massachusetts: includes MECO, NANT, NEP, and MA Gas operating companies
NY	New York: includes NMPC, KEDNY and KEDLI operating companies
UK	United Kingdom: includes NGET and NGED operating companies
NGV	National Grid Ventures: includes Interconnectors, NGR, LNG Grain, and National Grid Generation LLC

Operating companies	
MECO	Massachusetts Electric Company
NANT	Nantucket Electric Company
NEP	New England Power Company
MA Gas	Boston Gas Company including former Colonial Gas Company
NMPC	Niagara Mohawk Power Corporation
KEDNY	KeySpan Energy Delivery New York
KEDLI	KeySpan Energy Delivery Long Island
NGET	UK National Grid Electricity Transmission
NGED	UK National Grid Electricity Distribution
NGR	National Grid Renewables
Grain LNG	UK liquified natural gas (LNG) import terminal

Note: From 30 September 2024, both our Grain LNG and our National Grid Renewables (NGR) businesses met the IFRS 5 criteria to be classified as held for sale from a financial accounting perspective. For SASB reporting we have included both for the year to 31 March 2025 unless stated otherwise. Please see our latest ARA for details.

Units	
MMBTU	One Million Metric British Thermal Units
DTH	Dekatherm
MWh	Megawatt hour

Electric Utilities & Power Generators Standard

Code	SASB Accounting Metric	National Grid Disclosure
Greenhouse Gas Emissions & Energy Resource Planning		
IF-EU-110a.1	(1) Gross global Scope 1 emissions (ktCO2e), and percentage covered under:	(1) 4,467
	(2) Emissions-limiting regulations	(2) 78%
	(3) Emissions-reporting regulations	(3) 100%
IF-EU-110a.2[10]	Greenhouse gas (GHG) emissions associated with power deliveries (ktCO2e)	5,717
IF-EU-110a.3	Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	ARA pages 44-47 CTP pages 9-18
Air Quality		
IF-EU-120a.1	Air emissions of the following pollutants (tonnes):	
	(1) NOx	(1) 1,935
	(2) SOx	(2) 625
	(3) Particulate matter (PM10)	(3) 241
	(4) Lead (Pb)	(4,5) National Grid are not required by our UK or US regulators to monitor and report lead or mercury as they are not considered material to our operations.
	(5) Mercury (Hg)	
	Percentage of each in or near areas of dense population (%)	100% of our UK (Grain LNG) and US (National Grid Generation LLC) emissions are within or near areas of dense population.
Water Management		
IF-EU-140a.1	(1) Total water withdrawn (mm^3)	(1) 1,134.5
	Percentage of total water withdrawn in regions with High or Extremely High Baseline Water Stress[2]	(1) 0.5%
	(2) Total water consumed (mm^3)	(2) 0.7
	Percentage of total water consumed in regions with High or Extremely High Baseline Water Stress[2]	(2) 54.5%
IF-EU-140a.2	Number of incidents of non-compliance associated with water quantity and/or quality permits, standards, and regulations	0
IF-EU-140a.3	Description of water management risks and discussion of strategies and practices to mitigate those risks	ARA page 47 RBC page 5 Responsible Business Data Tables
Coal Ash Management		
IF-EU-150a.1	Amount of coal combustion products (CCPs) generated, percentage recycled	N/A
IF-EU-150a.3	Description of coal combustion products (CCPs) management policies and procedures for active and inactive operations	N/A
Energy Affordability		
IF-EU-240a.1[3,4]	Average retail electric rate for: (1) residential customers ($/kWh)	(1) 0.29
	Average retail electric rate for: (2) commercial customers ($/kWh)	(2) 0.17
	Average retail electric rate for: (3) industrial customers ($/kWh)	(3) 0.20

Electric Utilities & Power Generators Standard continued

Code	SASB Accounting Metric	National Grid Disclosure
IF-EU-240a.3[3,4]	(1) Number of residential customer electric disconnections for non-payment	(1) 86,595
	(2) Percentage reconnected within 30 days	(2) 73.9%
IF-EU-240a.4	Discussion of impact of external factors on customer affordability of electricity, including the economic conditions of the service territory	We have established the Grid for Good Energy Affordability Fund for future assistance. Our communities still need our help. National Grid remains committed to ongoing support for those that cannot meet energy costs and has established the new £13.8m Grid for Good Energy Affordability Fund for future assistance. This continues our community support in the way that our previous 3-year energy support fund had, in assisting some of the most vulnerable households and businesses struggling with energy costs. We worked with key charity partners in the UK and US to help provide emergency financial relief, fund energy efficiency measures, provide advisory services for households, support energy bill assistance, and emergency food support programmes for low-to-moderate-income customers. This support fund benefited 259,884 households across our UK footprint alone. The Grid for Good Energy Affordability Fund will run for three years in the UK and US in order to continue financial support to charities and organisations who assist vulnerable households with energy advice, emergency funding and energy efficiency measures. More details on how our funding is supporting charities and organisations to provide relief to vulnerable household can be found on our website.
Workforce Health & Safety		
IF-EU-320a.1	(1) Total recordable incident frequency rate (TRIFR)[5]	(1) 0.42
	(2) Fatality rate	(2) 0
	(3) Near miss frequency rate (NMFR) for:	
	(a) direct employees and	(3a) 3.37
	(b) contract employees	(3b) 3.27
End Use Efficiency & Demand		
IF-EU-420a.2[6,7]	Percentage of electric load served by smart grid technology	UK: NGET: 100% NGED: 100% US AMI Electric Meters: MA: 30,666 meters (2.09%) NY: 785,946 meters (44.98%)
IF-EU-420a.3[3,4,8]	Customer electricity savings from efficiency measures, by market (annual MWh)	NY: Gross Annual MWh 395,763, Clean Heat Gross Annual Equivalent MMBTU 216,944 MA: Net Annual MWh 159,467

Electric Utilities & Power Generators Standard continued

Code	SASB Accounting Metric	National Grid Disclosure
Nuclear Safety & Emergency Management		
IF-EU-540a.1	Total number of nuclear power units, broken down by results of the most recent independent safety review	N/A
IF-EU-540a.2	Description of efforts to manage nuclear safety and emergency preparedness	N/A
Grid Resiliency		
IF-EU-550a.1	Number of incidents of non-compliance with physical and/or cybersecurity standards or regulations	0
IF-EU-550a.2[3,8,9]	(1) System Average Interruption Duration Index (SAIDI)	(1) NMPC - 118.25, MECO - 125.05, NANT - 89.75 minutes
	(2) System Average Interruption Frequency Index (SAIFI)	(2) NMPC - 0.96, MECO - 0.91, NANT - 0.44 interruptions
	(3) Customer Average Interruption Duration Index (CAIDI), inclusive of major event days	(3) NMPC - 122.89, MECO - 137.76, NANT - 210.30 minutes
Activity Metrics		
IF-EU-000.A[3,4]	Number of: (1) residential customers served	(1) 1,938,297
	Number of: (2) commercial customers served	(2) 183,654
	Number of: (3) industrial customers served	(3) 1,518
IF-EU-000.B[3,4]	Total electricity delivered to: (1) residential customers (MWh)	(1) 14,317,601
	Total electricity delivered to: (2) commercial customers (MWh)	(2) 5,080,532
	Total electricity delivered to: (3) industrial customers (MWh)	(3) 1,531,221
	Total electricity delivered to: (4) all other retail customers (MWh)	(4) 31,741,244
	Total electricity delivered to: (5) wholesale customers (MWh)	(5) 3,059,926
IF-EU-000.C	Length of transmission and distribution lines (km)	NGET: 7,139 US ET: 14,000 NGED: 229,875 US ED: 108,594
IF-EU-000.D	Total electricity generated (MWh), percentage by major energy source, percentage in regulated markets	Total electricity generated: 9,102,918 Natural gas generation: 5,454,765 (60%) Fuel oil generation: 310,143 (3%) Wind: 929,843 (10%) Solar: 2,408,166 (26%) 100% of National Grid's generation is within the US (a regulated market)
IF-EU-000.E[3,8]	Total wholesale electricity purchased (MWh)	22,465,926

Gas Utilities & Distributors Standard – US only

Code	SASB Accounting Metric	National Grid Disclosure
Energy Affordability - Gas		
IF-GU-240a.1[4]	Average retail gas rate for: (1) residential customers ($/MMBtu)	(1) 17.55
	Average retail gas rate for: (2) commercial customers ($/MMBtu)	(2) 12.94
	Average retail gas rate for: (3) industrial customers ($/MMBtu)	(3) 11.68
	Average retail gas rate for: (4) transportation services only ($/MMBtu)	(4) 5.37
IF-GU-240a.3[4]	(1) Number of residential customer gas disconnections for non-payment	(1) 42,961
	(2) Percentage of disconnections that are reconnected within 30 days	(2) 67%
IF-GU-240a.4	Discussion of impact of external factors on customer affordability of gas, including the economic conditions of the service territory	We have established the Grid for Good Energy Affordability Fund for future assistance. Our communities still need our help. National Grid remains committed to ongoing support for those that cannot meet energy costs and has established the new £13.8m Grid for Good Energy Affordability Fund for future assistance. This continues our community support in the way that our previous 3-year energy support fund had, in assisting some of the most vulnerable households and businesses struggling with energy costs. We worked with key charity partners in the UK and US to help provide emergency financial relief, fund energy efficiency measures, provide advisory services for households, support energy bill assistance, and emergency food support programmes for low-to-moderate-income customers. This support fund benefited 259,884 households across our UK footprint alone. The Grid for Good Energy Affordability Fund will run for three years in the UK and US in order to continue financial support to charities and organisations who assist vulnerable households with energy advice, emergency funding and energy efficiency measures. More details on how our funding is supporting charities and organisations to provide relief to vulnerable household can be found on our website.
End Use Efficiency - Gas		
iF-GU-420a.2[4,8]	Customer gas savings from efficiency measures by market (annual MMBtu)	NY: CY24 MMBtu 1,611,228 MA: CY24 MMBtu 1,889,148

Gas Utilities & Distributors Standard – US only continued

Code	SASB Accounting Metric	National Grid Disclosure
Integrity of Gas Delivery Infrastructure		
IF-GU-540a.1	Number of: (1) reportable pipeline incidents	(1) 0
	Number of: (2) corrective actions received	(2) 0
	Number of: (3) violations of pipeline safety statuses	(3) 5
IF-GU-540a.2	Percentage of distribution pipeline that is: (1) cast or wrought iron	(1) NY: 5.8% (1) MA: 13.0%
	Percentage of distribution pipeline that is: (2) unprotected steel	(2) NY: 13.0% (2) MA: 9.0%
IF-GU-540a.3	Percentage of gas: (1) transmission pipelines inspected[11]	(1) NY: NMPC - 20.73%, KEDNY – 18.21%, KEDLI – 24.91% (1) MA: 0%
	Percentage of gas: (2) distribution pipelines inspected	(2) 33.3% average annually
IF-GU-540a.4	Description of efforts to manage the integrity of gas delivery infrastructure, including risks related to safety and emissions	We have developed and operate a Distribution Integrity Management Plan (DIMP) to continuously identify integrity threats to safety and the environment, remediate, report and evaluate the progress. One of the primary goals of our gas businesses is to manage risk and reduce emissions by reducing leak prone pipe (i.e. cast iron/wrought iron and unprotected steel). In addition, the Group aims to perform leak surveys of the entire distribution system as follows: Survey Walking - approximately 1/3 of the system is walked yearly (other than Plastic and Protected Steel); Mobile Survey - approximately every 24 months for areas that have not been walked; Business District Survey - performed at intervals not exceeding 15 months.
Activity Metrics		
IF-GU-000.A[4]	Number of: (1) residential customers served	(1) 3,131,609
	Number of: (2) commercial customers served	(2) 175,104
	Number of: (3) industrial customers served	(3) 16,310
IF-GU-000.B[4]	Amount of natural gas delivered to: (1) residential customers (MMBtu)	(1) 262,811,400
	Amount of natural gas delivered to: (2) commercial customers (MMBtu)	(2) 70,987,471
	Amount of natural gas delivered to: (3) industrial customers (MMBtu)	(3) 8,786,291
	Amount of natural gas: (4) transferred to a third party (MMBtu)	(4) 360,571,325
IF-GU-000.C	Length of gas: (1) transmission pipelines (km)	(1) NY: NMPC - 440, KEDNY - 112, KEDLI - 209 (1) MA: 13
	Length of gas: (2) distribution pipelines (km)	(2) NY - 35,565 (2) MA - 18,072

1. US air emissions are associated with our energy generation plants, all of which are located on Long Island, and UK air emissions with Grain LNG in Kent. Both are considered 'near to areas of dense population' according to the SASB definition.
2. Long Island, New York, and London are considered to be regions with High or Extremely High Baseline Water Stress, according to WRI Aqueduct. Our water use relates almost entirely to water used for generation cooling purposes and abstracted water is not altered other than being slightly warmed by the process. This includes NGV's GenCo in Long Island, which makes up 50% of group consumption. National Grid are not a significant consumer of water.
3. Disclosure is representative of our US business only. Disclosure is not applicable to our UK business as the operations are not customer facing.
4. Per the SASB definition, a customer is defined as "a meter billed for residential, commercial, and industrial customers". We have excluded all customers not billed by National Grid directly.
5. Previous reports disclosed TRIFR per 200,000 hours. The FY25 figure is based on 100,000 hours to line up with the Lost Time Injury Frequency Rate (LTIFR) disclosed in the ARA.
6. Our NGET and NGED networks are all smart grid as per the SASB definition, on the basis that the networks have bi-directional flows and use two-way communication and control capabilities.
7. In defining smart grid technology for the US, we have only considered advanced meter infrastructure (AMI).
8. The data reporting is based on the calendar year (1 Jan-31 Dec 2024), rather than financial year. This is due to regulatory reporting requirements in the US.
9. Regulatory reporting for our US business defines "major event days" using a different calculation to that required by SASB. As such, figures in this report exclude major event days completely to avoid implying equivalence.
10. Calculated by combining total line loss emissions across UK and US transmission and distribution networks (2,848 $ktCO_2e$) with emissions from US Scope 3 Category 3 Sold Electricity (2,869 $ktCO_2e$).
11. To remain compliant with federal regulations, our gas transmission assets must be inspected every 7 years.

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