

SASB Standards Cross Reference

The tables below detail a Fortis cross reference of SASB Sustainability Accounting Standards for Electric Utilities & Power Generators and Gas Utilities & Distributors. Information is as of December 31, 2023. Fortis has chosen to early adopt and disclose in accordance with the updated Electric Utilities & Power Generators and Gas Utilities & Distributors SASB standards (Versions 2013-12), which are effective January 1, 2025.

Unless otherwise specified, all financial information is referenced in Canadian dollars based on the average U.S. dollar-to-Canadian dollar foreign exchange rates. This SASB Cross Reference was published on July 31, 2024.

Electric Utilities & Power Generators		
SASB Code	Accounting Metric	Response
Greenhouse Gas Emissions & Energy Resource Planning		
IF-EU-110a.1	Gross global Scope 1 emissions (metric tonnes CO ₂ e)	8,155,000
	Percentage covered under emissions-limiting regulations	4%
	Percentage covered under emissions-reporting regulations	90%
IF-EU-110a.2	GHG emissions associated with power deliveries (metric tonnes CO ₂ e) ¹	6,749,000
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	See Fortis' 2024 Sustainability Report, pages 9-10, and 2024 Climate Report, pages 28-32
Air Quality		
IF-EU-120a.1	Air emissions of NO _x (excluding N ₂ O) (metric tonnes)	17,000
	Air emissions of SO ₂ (metric tonnes)	4,000
	Air emissions of particulate matter (PM ₁₀) (metric tonnes)	1,000
	Air emissions of lead (Pb) (metric tonnes)	<1
	Air emissions of mercury (Hg) (metric tonnes)	<1
	Percentage of each air emission in or near areas of dense population:	
	NO _x	6%
	SO ₂	3%
	PM ₁₀	7%
	Lead	31%
Mercury	9%	
Water Management		
IF-EU-140a.1	Total water withdrawn (thousand cubic meters (m ³))	47,000
	Percentage of water withdrawn in regions with high or extremely high baseline water stress	17%
	Total water consumed (thousand cubic meters (m ³))	19,000
	Percentage of water consumed in regions with high or extremely high baseline water stress	42%
IF-EU-140a.2	Number of incidents of non-compliance associated with water quality permits, standards and regulations	0

SASB Code	Accounting Metric	Response
IF-EU-140a.3	Description of water management risks and discussion of strategies and practices to mitigate those risks	<p>One Fortis utility (UNS Energy) accounts for approximately 99% of Fortis' water consumption in relation to its electricity generation operations, primarily associated with fossil fuel steam generation. However, there are currently no regulatory constraints on its water availability as the necessary water rights have been obtained. UNS Energy is proactively managing general water availability concerns with its resource diversification strategy. It has plans to replace generation from higher-water use coal facilities to lower- and zero-water use natural gas turbines, as well as zero-water use renewable resources. UNS Energy plans to exit from all of its coal-fired facilities by 2032.</p> <p>Other Fortis utilities that use water for hydrogeneration experience risks such as water levels, flow variability and impacts to biodiversity. Practices to mitigate these risks include water quality monitoring and assessment, terrestrial and aquatic resource management, community consultations, upgrades to improve water efficiency and use of an environmental management system. Fortis utilities that use water for hydrogeneration maintain close relationships with the appropriate regulatory authorities and watershed stakeholders, including First Nations and other hydroelectric operators.</p>
Coal Ash Management		
IF-EU-150a.1	Amount of coal combustion products (CCP) generated (metric tonnes)	508,000
	Percentage of CCP recycled	2%
IF-EU-150a.3	Description of CCP management policies and procedures for active and inactive operations ²	UNS Energy is the only Fortis utility with coal-fired generation. Due to its use of coal, the utility has CCP management policies and procedures for active and inactive operations. UNS Energy owns and operates one active CCP landfill in accordance with federal regulations and state permit requirements. This requires fugitive dust control, run-on and run-off stormwater control, inspections, groundwater monitoring and closure/post-closure planning. Both active and inactive CPP operations are routinely inspected and monitored for potential impacts to air, stormwater and groundwater.
Energy Affordability		
IF-EU-240a.1	Average retail electric rate for residential customers:	
	U.S. (US\$ per kWh)	0.19
	Canada (CAD\$ per kWh)	0.15
	Caribbean (US\$ per kWh)	0.43
	Average retail electric rate for commercial customers:	
	U.S. (US\$ per kWh)	0.17
	Canada (CAD\$ per kWh)	0.12
	Caribbean (US\$ per kWh)	0.45
	Average retail electric rate for industrial customers:	
	U.S. (US\$ per kWh)	0.15
	Canada (CAD\$ per kWh)	0.12
	Caribbean (US\$ per kWh)	0.39
	Average retail electric rate for wholesale customers:	
	U.S. (US\$ per kWh)	0.04
	Canada (CAD\$ per kWh)	0.08
IF-EU-240a.3	Number of residential customer electric disconnections for non-payment:	
	U.S. ³	13,157
	Canada ⁴	12,546
	Caribbean ⁵	6,790
	Percentage of disconnected residential customers reconnected within 30 days:	
	U.S.	88%
	Canada	80%
	Caribbean	96%

SASB Code	Accounting Metric	Response
IF-EU-240a.3	Discussion of how policies, programs, and regulations affect the number and duration of residential customer disconnections	Fortis utilities offer customers flexible payment options, energy efficiency product rebates, energy audits and load-limiting devices/consumption thresholds that are aimed to help customers better manage their energy usage and costs. A number of our jurisdictions have disconnection bans in place, such as during months of extreme weather, cold or heat. Additionally, government subsidy programs are in place in some of our jurisdictions, which offer assistance to customers by waiving disconnection/reconnection fees, providing fuel cost subsidies, payment deferral programs, and low-income energy assistance.
IF-EU-240a.4	Discussion of impact of external factors on customer affordability of electricity, including economic conditions of the service territory	Fortis utilities have risk management and hedging policies in-place that are designed to mitigate increases and volatility in electricity rates. External factors across our 18 jurisdictions in Canada, the U.S. and the Caribbean can impact customer affordability. Local economic conditions and cost-of-living in each of our service territories also plays a decisive factor in customer affordability, as well as the impact of macroeconomic factors.
Workplace Health & Safety		
IF-EU-320a.1	Total recordable incident rate (TRIR) – direct employees	1.22
	TRIR – contractors	Occupational Safety and Health Administration (OSHA) requires companies to record all workplace injuries that result in an employee requiring medical treatment, time lost from work or reassignment to restricted duty work when the injured employee is under the direct supervision of that company.
	Fatality rate – direct employees	Contractors are not normally under the direct supervision of Fortis. While the contractor is required to record injuries as per the OSHA requirements, there is no requirement to segregate those injuries based on the company that the work is carried out for. As a result it is very difficult to get accurate data from contractors on work conducted for Fortis, particularly when those injuries are less severe or due to repetitive work or pre-existing conditions.
	Fatality rate – contractors	0
	Near miss frequency rate (NMFR) – direct employees	Fortis does not report a contractor fatality rate. Fortis does seek data on injuries resulting in time lost from work or fatalities and provides a combined rate for lost time injuries and fatalities for contractors. See Fortis' 2024 Sustainability Report, page 37, for the core contractor safety metric.
	NMFR – contractors	3.40
		Contractors are not required to record incidents that could have resulted in an injury therefore Fortis is unable to report a near miss frequency rate for contractors.
End-Use Efficiency & Demand		
IF-EU-420a.2	Percentage of electric load served by smart grid technology ⁶	72%
	Discussion of the opportunities and challenges associated with the development and operation of a smart grid	The potential opportunities and challenges associated with the development and operation of smart grids by Fortis utilities are: Opportunities: (1) improved system reliability minimizing downtime; (2) improved system management, which can improve service (e.g., quicker response time during outages) and reduced customer costs; and (3) improved customer data analytics and demand side management. Challenges: (1) ensuring interoperability and compatibility with other system technologies, especially maintaining IT security; (2) cost, time and customer outages associated with upgrading equipment; and (3) regulatory requirement to show least cost service option.
IF-EU-420a.3	Customer electricity savings from efficiency measures by market (MWh)	The following Fortis utilities are regulated to provide customer efficiency programs or have a formal program in place to track customer electricity savings: Central Hudson: 53,000 FortisBC: 32,000 Newfoundland Power: 32,000 Maritime Electric: 3,000 UNS Energy: 195,000
	Discussion of customer efficiency regulations relevant to each market in which it operates	Fortis utilities Central Hudson, FortisBC, and Maritime Electric are subject to customer efficiency regulations. Their customer efficiency programs typically provide a variety of energy efficiency solutions for residential, commercial and industrial customers. These programs may include activities such as: energy efficiency education and training; retrofitting; use of innovative technologies; providing energy efficient products and rebates; support for meeting building codes and standards; and targeted customer programs (eg, income-qualified and rentals).

Nuclear Safety & Emergency Management

IF-EU-540a.1	Total number of nuclear power units, broken down by U.S. Nuclear Regulatory Commission (NRC) Action Matrix Column	Not Applicable
IF-EU-540a.2	Description of efforts to manage nuclear safety and emergency preparedness	Not Applicable

SASB Code	Accounting Metric	Response
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Grid Resiliency

IF-EU-550a.1	Number of incidents of non-compliance with physical and/or cybersecurity standards or regulations	In 2023, Fortis experienced no material physical or cybersecurity breaches of any mandatory, enforceable standards or regulations. This includes the North American Electric Reliability Corporation (NERC) Critical Infrastructure Protection (CIP) standards applicable to electricity infrastructure. As operators of critical energy infrastructure, Fortis understands the risk and consequences associated with physical and cyber security. Fortis companies work with government agencies, regulators, and industry peers to identify risks and develop and implement industry best practices to protect customers and infrastructure.
IF-EU-550a.2	SAIDI under normal operations	1.96
	SAIDI during major events	1.52
	SAIFI under normal operations	1.18
	SAIFI during major events	0.40
	CAIDI under normal operations	1.66
	CAIDI during major events	3.80
	Discussion of notable service disruptions such as those that affected a significant number of customers or disruptions of extended duration	The following were notable 2023 service disruptions at Fortis utilities: (1) Central Hudson: Notable service disruptions caused by lightning storms (in July, August and September) and wind/snow storms (in February, March and December); and (2) UNS Energy: In July 2023, several monsoons caused notable service disruptions.

Activity Metrics

IF-EU-000.A	Residential customers served (# thousands)	1,851
	Commercial customers served (# thousands)	252
	Industrial customers served (# thousands)	11
	Other customers served (# thousands)	19
IF-EU-000.B	Electricity delivered to residential customers (MWh)	18,805,000
	Electricity delivered to commercial customers (MWh)	11,806,000
	Electricity delivered to industrial customers (MWh)	14,620,000
	Electricity delivered to wholesale customers (MWh)	6,163,000
	Electricity delivered to all other customers (MWh) ⁷	178,497,000
IF-EU-000.C	Length of electricity transmission lines (km)	33,400
	Length of electricity distribution lines (km)	151,900
IF-EU-000.D	Total electricity generated, percentage by major energy source (MWh/%):	
	Coal	3,727,000 / 24%
	Natural Gas	8,060,000 / 51%
	Nuclear	0 / 0%
	Petroleum	1,070,000 / 7%
	Hydropower	2,161,000 / 14%
	Solar	123,000 / 1%
	Wind	552,000 / 3%
	Total electricity generated (MWh)	15,693,000
	Total electricity generated in regulated markets (%)	98%
IF-EU-000.E	Total wholesale electricity purchased (MWh)	20,449,000

SASB Code	Accounting Metric	Response
Gas Utilities & Distributors ⁸		
Energy Affordability		
IF-GU-240a.1	Average retail gas rate for residential customers	
	U.S. (US\$ per MMBtu)	15.06
	Canada (CAD\$ per MMBtu)	14.68
	Average retail gas rate for commercial customers	
	U.S. (US\$ per MMBtu)	11.92
	Canada (CAD\$ per MMBtu)	11.49
	Average retail gas rate for industrial customers	
	U.S. (US\$ per MMBtu)	13.13
	Canada (CAD\$ per MMBtu)	7.60
IF-GU-240a.3	Average retail gas rate for transportation services only	
	U.S. (US\$ per MMBtu)	1.20
	Canada (CAD\$ per MMBtu)	1.43
IF-GU-240a.3	Number of residential customer gas disconnections for non-payment:	
	U.S. ⁹	2,468
	Canada ⁹	9,846
	Percentage of residential customers reconnected within 30 days:	
	U.S.	71%
	Canada	69%
IF-GU-240a.3	Discussion of how policies, programs, and regulations impact the number and duration of residential customer disconnections	<p>Information on residential customer disconnections is provided below:</p> <ul style="list-style-type: none"> FortisBC: In order to reduce the number and duration of residential customer disconnections, FortisBC offers equal payment plans as well as other payment arrangements for overdue customers. Central Hudson: During 2023, Central Hudson continued the suspension of late fees and disconnections as government programs continued to be applied to customers' arrears balance. There were several government (e.g., Arrears Management Program) and charitable-led (e.g., Good Neighbor Fund) initiatives that provided utility assistance funding to residential customers to avoid disconnections. Central Hudson also offers its customers: assistance programs, deferred payment agreements, and budget payment plans. UNS Energy: The Arizona Administrative Code prohibits natural gas utility disconnections of residential customers for non-payment from June 1 through October 15 of each year and during extreme weather events.
IF-GU-240a.4	Discussion of impact of economic conditions of the service territory on customer affordability of gas	Fortis utilities have risk management and hedging policies in place that are designed to mitigate increases and volatility in natural gas rates. External factors across our 3 jurisdictions in Canada and U.S. can impact customer affordability. Local economic conditions and cost-of-living in each of our service territories also plays a decisive factor in customer affordability, as well as the impact of macroeconomic factors.
End-Use Efficiency		
IF-GU-420a.2	Customer gas savings from efficiency measures by market (MMBtu)	<p>FortisBC: 1,346,500 Central Hudson: 81,000 UNS Energy: 39,500</p>
IF-GU-420a.2	Discussion of customer efficiency measures that are required by regulations for each of its relevant markets	<p>Information on customer efficiency measures that are required by regulations is provided below:</p> <ul style="list-style-type: none"> FortisBC: The company is mandated to consider energy efficiency as a potential resource option for its long-term natural gas resource planning. FortisBC's portfolio of energy efficiency programs include: programs for income qualified customers; energy efficiency education and training; community engagement; support for meeting building codes and standards; technology innovation; and an energy efficiency program for rentals. Central Hudson: The company is subject to regulations that require customer natural gas efficiency measures to be taken. This includes a comprehensive portfolio of solutions for residential, commercial and industrial customers, such as residential HVAC offerings, customized commercial energy efficiency solutions, and behavioral modification.

SASB Code	Accounting Metric	Response
Integrity of Gas Infrastructure		
IF-GU-540a.1	Number of reportable pipeline incidents	6
	Number of Corrective Action Orders (CAO)	0
	Number of Notices of Probable Violation (NOPV)	20
	Discussion of notable incidents such as those that affected a significant number of customers, created extended disruptions to service, or resulted in serious injury or death	In 2023, there were 20 NOPV's. None of these impacted a significant number of customers, created extended disruptions to service, or resulted in serious injury or death.
IF-GU-540a.2	Percentage of distribution pipeline that is cast and/or wrought iron (% by length)	0.10%
	Percentage of distribution pipeline that is unprotected steel (% by length)	0.10%
IF-GU-540a.3	Percentage of gas transmission pipelines inspected (% by length) ⁽¹⁾	100%
	Percentage of gas distribution pipelines inspected (% by length) ⁽¹⁾	100%
IF-GU-540a.4	Description of efforts to manage the integrity of gas delivery infrastructure, including risks related to safety and emissions	<p>Fortis' gas utilities have comprehensive natural gas distribution and transmission integrity plans in accordance with Federal, State and Provincial requirements. These include robust construction, inspection and maintenance practices along with strict operator qualifications and training requirements.</p> <p>Our utilities also work with relevant stakeholders to promote awareness of safe digging practices and are active participants in organizations such as Dial Before You Dig, Pipeline and Hazardous Materials Administration and the Common Ground Alliance. Our utilities are also actively engaged with in-line inspections, above ground cathodic protection and coating surveys, integrity digs and leak surveys. Additionally, our utilities conduct annual winter preparedness seminars with suppliers. Finally, our utilities use state-of-the-art geographic information systems with mobile capability for both field and operations personnel.</p> <p>There are also capital programs in-place to deal with leak prone pipe that needs upgrading or replacing, as well as supporting the deployment of the latest pipe inspection technology.</p>
Activity Metric		
IF-GU-000.A	Residential customers served (# thousands)	1,219
	Commercial customers served (# thousands)	124
	Industrial customers served (# thousands)	1
	Other customers served (# thousands)	1
IF-GU-000.B ⁽⁷⁾	Gas delivered to residential customers (MMBtu)	84,729,000
	Gas delivered to commercial customers (MMBtu)	59,816,000
	Gas delivered to industrial customers (MMBtu)	31,812,000
	Gas transferred to a third party (MMBtu)	121,398,000
IF-GU-000.C	Length of gas transmission pipelines (km)	600
	Length of gas distribution pipelines (km)	58,500

(1) Scope 1, 2 and 3 GHG emissions related to retail energy deliveries (excludes emissions from wholesale sales) from owned fossil generation, purchased electricity, SF₆ and transmission and distribution losses

(2) UNS Energy has a 7% ownership in the Four Corners Power Plant, which currently has five CCP impoundments. No other coal-fired generation facility owned and operated by UNS Energy has CCP impoundments.

(3) Represents approximately 2% of total residential customers

(4) Represents approximately 1% of total residential customers

(5) Represents approximately 16% of total residential customers

(6) Excludes Fortis Belize and ITC Holdings Corp.

(7) Includes the transmission of electricity at ITC and UNS Energy.

(8) FortisBC, Central Hudson, and UNS Energy are the only Fortis utilities that provide natural gas service to customers

(9) Represents 1% of total residential customers

(10) Percentage inspected in accordance with regulatory and inspection program requirements