



Avangrid SASB Report

Sustainability Accounting Standard Board

For the year-ended December 31, 2022



June 2023

Disclosure	Description	2022 Response
IF-EU	Electric Utilities & Power Generators	
IF-EU-110a	Greenhouse Gas Emissions & Energy Resource Planning	
IF-EU-110a.1	(1) Gross global Scope 1 emissions, percentage covered under (2) emissions-limiting regulations, and (3) emissions-reporting regulations	2022 Total = 1,375,464 t CO2eq Please see page 79 of the Avangrid 2022 Sustainability Report and also please see the Iberdrola Group 2022 GHG Report available on Avangrid website. (There are some differences in the data between the IBE GHG report and IBE Sustainability Report due to differences in the standards used. Specifically, the difference is due to the fact that in the GHG verification under the ISO 14064-2018 standard, IPCC AR5 must be used, while in the calculations of emissions in the IBE Sustainability report, IPCC AR4 was used.)
IF-EU-110a.1a	(1) Gross global Scope 1 emissions, percentage covered under (2) emissions-limiting regulations, and (3) emissions-reporting regulations Emissions from electric power generation facilities:	IF-EU-110a.1a Emissions from electric power generation facilities: carbon dioxide (CO2) emissions produced from the combustion of fossil fuels = 1,050,346 t CO2eq Please see page 79 of the Avangrid 2022 Sustainability Report
IF-EU-110a.1b	(1) Gross global Scope 1 emissions, percentage covered under (2) emissions-limiting regulations, and (3) emissions-reporting regulations Combustion emissions are the emissions from electric power generation facilities	IF-EU-110a.1b Combustion emissions are the emissions from electric power generation facilities (nitrous oxide N2O and methane CH4 emissions) produced by combustion of fossil fuels = 1,021 t CO2eq
IF-EU-110a.1c	(1) Gross global Scope 1 emissions, percentage covered under (2) emissions-limiting regulations, and (3) emissions-reporting regulations Emissions in buildings: emissions from facilities (heating, generators, ...) that provide services to company buildings	IF-EU-110a.1c Emissions in buildings: emissions from facilities (heating, generators, ...) that provide services to company buildings; (consumption of fuels, diesel, natural gas and LPG) = 5,132 t CO2eq
IF-EU-110a.1d	(1) Gross global Scope 1 emissions, percentage covered under (2) emissions-limiting regulations, and (3) emissions-reporting regulations Fugitive emissions from methane (CH4) leaks from gas storage and transportation facilities.	IF-EU-110a.1d Fugitive emissions from methane (CH4) leaks from gas storage and transportation facilities. Emissions from sulfur hexafluoride (SF6) leaks in electrical transformation and regulation equipment in which said gas acts as a dielectric. Emissions from refrigerant gases (CFCs) from air conditioning equipment = 269,763 t CO2eq
IF-EU-110a.1e	(1) Gross global Scope 1 emissions, percentage covered under (2) emissions-limiting regulations, and (3) emissions-reporting regulations Emissions from gas storage facilities and emissions from plant waste from logging and pruning.	IF-EU-110a.1e Emissions from gas storage facilities and emissions from plant waste from logging and pruning. ZERO
IF-EU-110a.1f	(1) Gross global Scope 1 emissions, percentage covered under (2) emissions-limiting regulations, and (3) emissions-reporting regulations Emissions from mobile combustion:	IF-EU-110a.1f Emissions from mobile combustion: emissions associated with the road transport of employees with fleet vehicles (owned or managed by the company) = 49,202 t CO2eq The Emissions associated with energy purchased from third parties for sale to the end customer = 2,012,357 t CO2 eq
IF-EU-110a.2	Greenhouse gas (GHG) emissions associated with power deliveries	
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	In September 2022, we announced new and expanded ESG+ targets to reflect the breadth of our commitment to sustainability. Our most aggressive new commitment is to speed up our carbon neutrality targets to reach carbon neutrality in both our Scopes 1 and 2 emissions by 2030 – five years faster than our prior commitment which focused solely on our Scope 1 emissions. Targets: 1. Reaching carbon neutrality for our Scope 1 and 2 emissions by 2030; this commitment is aligned with Iberdrola's emissions goals which have been certified by the Science-Based Targets Initiative (SBTI). 2. Increasing renewable installed capacity by 190% by 2030 versus 2015, supported by an investment of \$4.3 billion in our renewables business through 2025. In addition, we have made commitments to implement new technology solutions such as green hydrogen and storage (Scope 1). 3. Decreasing greenhouse gas emissions intensity from energy generation sources by 35% by 2025 and 70% by 2030 versus 2015 (Scope 1). 4. Greening our physical footprint by sourcing 100% renewable energy in our corporate buildings by 2030 (Scope 2). 5. Converting 100% of our light duty vehicles to cleaner energy by 2030 (Scope 1). 6. Continuing development of plans to reduce emissions associated with our single thermal facility (the Klamath Falls, Oregon gas cogeneration and peaking units). As part of this process, we are exploring technologies and other options to reduce emissions while using this highly efficient unit for managing our growing renewables fleet (Scope 1). 7. Accelerating our gas pipeline replacement investments and innovative leak detection and prevention programs to reach 100% leak prone pipe replacement (Scope 1). See page 9 of the 2022 Avangrid Sustainability Report
IF-EU-110a.4.1	(1) Number of customers served in markets subject to renewable portfolio standards (RPS) and (2) percentage fulfillment of RPS target by market	Number of customers served in markets subject to renewable portfolio standards (RPS) = 2 Avangrid Renewables serves two large retail customers in Oregon as an electric service supplier (ESS). ESS entities are subject to the Oregon RPS statute (ORS 469A). The standard for the most recent compliance year, 2021, is 20%.
IF-EU-110a.4.2	(1) Number of customers served in markets subject to renewable portfolio standards (RPS) and (2) percentage fulfillment of RPS target by market	Percentage fulfillment of RPS target by market = 145% The Oregon RPS requirement for the cited compliance year is 20 percent; the company provided 29 percent RPS-eligible generation to the customers (with non-emitting hydro generation providing the rest). Thus, the response to this inquiry is 29 percent, which is 145 percent of the statutory requirement.
IF-EU-120a	Air Quality	
IF-EU-120a.1a	Air emissions of the following pollutants: (1) NOx (excluding N2O), (2) SOx, (3) particulate matter (PM10), (4) lead (Pb), and (5) mercury (Hg); percentage of each in or near areas of dense population	IF-EU-120a.1a NOx: 68.34 metric tons See page 79 of Avangrid 2022 Sustainability Report
IF-EU-120a.1b	Air emissions of the following pollutants: (1) NOx (excluding N2O), (2) SOx, (3) particulate matter (PM10), (4) lead (Pb), and (5) mercury (Hg); percentage of each in or near areas of dense population	IF-EU-120a.1b SO2: 5.14 metric tons See page 79 of Avangrid 2022 Sustainability Report
IF-EU-120a.1c	Air emissions of the following pollutants: (1) NOx (excluding N2O), (2) SOx, (3) particulate matter (PM10), (4) lead (Pb), and (5) mercury (Hg); percentage of each in or near areas of dense population	IF-EU-120a.1c PM: 16.56 metric tons See page 79 of Avangrid 2022 Sustainability Report
IF-EU-120a.1d	Air emissions of the following pollutants: (1) NOx (excluding N2O), (2) SOx, (3) particulate matter (PM10), (4) lead (Pb), and (5) mercury (Hg); percentage of each in or near areas of dense population	IF-EU-120a.1d Lead: 0

Disclosure	Description	2022 Response
IF-EU-120a.1e	Air emissions of the following pollutants: (1) NOx (excluding N2O), (2) SOx, (3) particulate matter (PM10), (4) lead (Pb), and (5) mercury (Hg); percentage of each in or near areas of dense population	IF-EU-120a.1e Mercury: 0
IF-EU-140a	Water Management	
IF-EU-140a.1a	(1) Total water withdrawn (thousands of cubic meters)	Water withdrawn = 113 m3/GWh Water withdrawal for Klamath power generation = 3,085,137 m3 Treated wastewater = 99.6 % See page 80 of Avangrid 2022 Sustainability Report
IF-EU-140a.1b	(2) total water consumed (thousands of cubic meters)	Water consumed = 1,938,352 m3
IF-EU-140a.2	Number of incidents of non-compliance associated with water quantity and/or quality permits, standards, and regulations	Avangrid had zero incidents of non-compliance associated with water quantity and/or quality permits, standards, and regulations
IF-EU-140a.3	Description of water management risks and discussion of strategies and practices to mitigate those risks	Water is consumed across a variety of processes at Avangrid companies, including generation, sanitation, fleet maintenance, heating, cooling and more. Installation of water-saving equipment such as low-flow toilets has helped to manage the amount required, even as we expand our activities. With 91% of Avangrid's installed renewable capacity being predominately wind that does not need water to generate electricity, we have one of the lowest water use intensities per MWh generated in the U.S. Avangrid does not have power plants located in areas considered water stressed. Klamath power plant is the only facility that uses water in its cooling system and 100% is either waste or recycled water. Iberdrola's Group core policy of replacing its least efficient technologies with clean and sustainable ones, such as renewables, green hydrogen and dry combined cycle, is the reason for the decrease in the net water consumption of thermal power generation. The water resource is carefully analyzed and controlled in our company. In the event that a discharge occurs at the Company's facilities having negative effects on the surrounding environment, the Company provides the information required and cooperates with the competent bodies until resolution of the incident. The reasons for the discharge is subsequently analyzed, and the appropriate measures are taken in order to minimize the probability of re-occurrence. Please see Avangrid website at www.Avangrid.com/sustainability/environment/water
IF-EU-150a	Coal Ash Management	
IF-EU-150a.1	Amount of coal combustion residuals (CCR) generated, percentage recycled	Not applicable. Avangrid does not own or operate coal-fired power plants
IF-EU-150a.2	Total number of coal combustion residual (CCR) impoundments, broken down by hazard potential classification and structural integrity assessment	Not applicable. Avangrid does not own or operate coal-fired power plants
IF-EU-240a	Energy Affordability	
IF-EU-240a.1.a	Average retail electric rate for (1) residential, (2) commercial, and (3) industrial customers	Rate per kWh NYSEG Residential 0.156211111 RGE Residential 0.163430556 CMP Residential 0.225710423 UIL Residential 0.265531525 Average Residential 0.02720904
IF-EU-240a.1.b	Average retail electric rate for (1) residential, (2) commercial, and (3) industrial customers	Rate per kWh NYSEG Commercial 0.141632804 RGE Commercial 0.191814087 CMP Commercial 0.135648234 UIL Commercial 0.193550233 Average Commercial 0.16566134
IF-EU-240a.1.c	Average retail electric rate for (1) residential, (2) commercial, and (3) industrial customers	Rate per kWh NYSEG Industrial 0.112122957 RGE Industrial 0.132997882 CMP Industrial 0.064374713 UIL Industrial 0.201796857 Average Industrial 0.127823102
IF-EU-240a.2a	Typical monthly electric bill for residential customers for (1) 500 kWh and (2) 1,000 kWh of electricity delivered per month	Bill Amount at 500 kWh NYSEG Residential \$81.10 RG&E Residential \$85.61 CMP Residential \$98.47 UIL Residential \$145.61 Average Residential \$102.70
IF-EU-240a.2b	Typical monthly electric bill for residential customers for (1) 500 kWh and (2) 1,000 kWh of electricity delivered per month	Bill Amount of 1000 kWh NYSEG Residential \$144.23 RG&E Residential \$147.89 CMP Residential \$187.50 UIL Residential \$278.37 Average Residential \$189.50
IF-EU-240a.3	Number of residential customer electric disconnections for non-payment, percentage reconnected within 30 days	Total reconnects within 30 days = 79.82%

Disclosure	Description	2022 Response
IF-EU-240a.4	Discussion of impact of external factors on customer affordability of electricity, including the economic conditions of the service territory	<p>New York as a whole: As the Federal Reserve increases rates to keep rising inflation down, economic growth will also slow in the near- to medium term, with employment decelerating in 2023-24. Declining population is expected to put downward pressure on the state's limited long-term growth potential as the forecast horizon lengthens. As a result of the national economy slowing down in 2023 and the population never recovering, total employment in New York will not regain the jobs it lost in the pandemic any time soon.</p> <p>RG&E: For the greater Rochester metropolitan area the business cycle is in recovery and that the population is forecasted to decrease by an average of 0.3% per year over the next six years, while net migration is negative (i.e. more people are leaving Rochester than moving to Rochester)</p> <p>NYSEG: NYSEG's largest territorial division is Binghamton where recent metropolitan area job growth has outpaced both the state and the nation last year and there have been steady gains in defense and semiconductor manufacturing. Net migration continues to be negative.</p> <p>CMP: Maine has steadily lost well-paying manufacturing jobs and replaced those jobs with lower paying service sector jobs. The service territory consists of a few small metropolitan areas, many small municipalities and a large rural segment. Population growth is slow or flat and most of the economies in these areas have shown little growth. Throughout 2022, Maine has mostly recovered to pre-Covid 19 levels of employment though continues to depend on lower paying jobs in the service industry to more immediately drive economic growth. These factors alongside high inflation and a continually aging population transitioning towards fixed retirement incomes have negatively affected the overall ability of CMP customers to pay their bills.</p> <p>UI: The state of Connecticut has a high cost of living that creates an affordability problem in areas of low-income customers in the urban areas of Bridgeport and New Haven. The impact of high inflation currently affecting the U.S. exacerbates the affordability issues. The Connecticut job market was sluggish compared to the neighboring states before the COVID-19 pandemic. Unemployment has been declining since the peak of the pandemic as society and business continue to reopen. However, it is likely that Connecticut will continue to experience lower economic growth relative to neighboring states.</p>
IF-EU-320a	Workforce Health & Safety	
IF-EU-320a.1a	(1) Total recordable incident rate (TRIR), (2) fatality rate, and (3) near miss frequency rate (NMFR)	Employees TRIR: 2.64 Please see page 81 of the Avangrid 2022 Sustainability Report
IF-EU-320a.1b	(1) Total recordable incident rate (TRIR), (2) fatality rate, and (3) near miss frequency rate (NMFR)	Employees Fatality: 0 Please see page 81 of the Avangrid 2022 Sustainability Report
IF-EU-320a.1c	(1) Total recordable incident rate (TRIR), (2) fatality rate, and (3) near miss frequency rate (NMFR)	Employees NMFR: 160
IF-EU-420a	End-Use Efficiency & Demand	
IF-EU-420a.1a	Percentage of electric utility revenues from rate structures that (1) are decoupled and (2) contain a lost revenue adjustment mechanism (LRAM)	(1) 78%
IF-EU-420a.1b	Percentage of electric utility revenues from rate structures that (1) are decoupled and (2) contain a lost revenue adjustment mechanism (LRAM)	(2) 0%
IF-EU-420a.2	Percentage of electric load served by smart grid technology	55.43% (percentage of electric customers with AMI or AMR equipment)
IF-EU-420a.3	Customer electricity savings from efficiency measures, by market	2022 Data: UI 57,038 MWH NYSEG 125,948 MWH RGE 68,863 MWH Total 251,849MWH
IF-EU-540a	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. Avangrid does not own or operate nuclear power plants
IF-EU-540a.2	Description of efforts to manage nuclear safety and emergency preparedness	Not applicable. Avangrid does not own or operate nuclear power plants
IF-EU-550a	Grid Resiliency	
IF-EU-550a.1	Number of incidents of non-compliance with physical and/or cybersecurity standards or regulations	Avangrid had no non-compliance with NERC Critical Infrastructure Protection (CIP) standards that resulted in physical security or cyber security events.
IF-EU-550a.2a	(1) System Average Interruption Duration Index (SAIDI), (2) System Average Interruption Frequency Index (SAIFI), and (3) Customer Average Interruption Duration Index (CAIDI), inclusive of major event days	IF-EU-550a.2a SAIDI: 2.22
IF-EU-550a.2b	(1) System Average Interruption Duration Index (SAIDI), (2) System Average Interruption Frequency Index (SAIFI), and (3) Customer Average Interruption Duration Index (CAIDI), inclusive of major event days	IF-EU-550a.2b SAIFI: 1.27 Please see 2022 Avangrid Sustainability Report page 80
IF-EU-550a.2c	(1) System Average Interruption Duration Index (SAIDI), (2) System Average Interruption Frequency Index (SAIFI), and (3) Customer Average Interruption Duration Index (CAIDI), inclusive of major event days	IF-EU-550a.2c CAIDI: 1.75 Please see 2022 Avangrid Sustainability Report page 80
IF-EU-000.A	Number of: (1) residential, (2) commercial, and (3) industrial customers served	2,305,614 customers served Please see 2022 AVANGRIS Sustainability Report page 80
IF-EU-000.Aa	Number of residential customers served	2,031,260 residential electricity customers
IF-EU-000.Ab	Number of commercial customers served	269,353 commercial electricity customers
IF-EU-000.Ac	Number of industrial customers served	5,001 industrial electricity customers
IF-EU-000.B	Total electricity delivered to: (1) residential, (2) commercial, (3) industrial, (4) all other retail customers, and (5) wholesale customers	Total electricity delivered - 36,870,000 MWh
IF-EU-000.Ba	Total electricity delivered to residential customers	Total electricity delivered to residential customers 16081.03 GWh
IF-EU-000.Bb	Total electricity delivered to commercial customers	Total electricity delivered to commercial customers 14292.38 GWh
IF-EU-000.Bc	Total electricity delivered to industrial customers	Total electricity delivered to industrial customers 6221.02 GWh
IF-EU-000.Bd	Total electricity delivered to all other retail customers	Total electricity delivered to other retail customers 107.36 GWh
IF-EU-000.Be	Total electricity delivered to wholesale customers	Total electricity delivered to wholesale customers 0 GWh
IF-EU-000.C1	Length of transmission and distribution lines	Total distribution lines: 1) Air 138,653.86 km See page 20 of Avangrid 2022 10K Form
IF-EU-000.C2	Length of transmission and distribution lines	Total distribution lines: 2) Underground 18,792.24 km See page 20 of Avangrid 2022 10K Form

Disclosure	Description	2022 Response
IF-EU-000.C3	Length of transmission and distribution lines	Total transmission lines 3) Air 13,412.48 km See page 20 of Avangrid 2022 10K Form
IF-EU-000.C4	Length of transmission and distribution lines	Total transmission lines 4) Underground 605.47 km See page 20 of Avangrid 2022 10K Form
IF-EU-000.D	Total electricity generated, percentage by major energy source, percentage in regulated markets	
IF-EU-000.Da	Total electricity generated	22,807 GWh
IF-EU-000.Db	Percentage of total electricity generated by major energy source	Please see page 14 of the Avangrid 2022 Sustainability Report
IF-EU-000.Dc	Percentage of total electricity generated in regulated markets	Own onshore wind 19,612.47 GWh
IF-EU-000.E	Total wholesale electricity purchased	89 %
IF-GU	Gas Utilities & Distributors	494,807.84 GJ
IF-GU-240a	Energy Affordability	
IF-GU-240a.1a	Average retail gas rate for (1) residential, (2) commercial, (3) industrial customers, and (4) transportation services only	Residential CNG \$17.20 SCG \$17.46 NYSEG \$12.73 RGE \$10.76 BGC \$ 9.61 MNG \$ 9.50
IF-GU-240a.1b	Average retail gas rate for (1) residential, (2) commercial, (3) industrial customers, and (4) transportation services only	Commercial CNG \$12.06 SCG \$11.41 NYSEG \$11.44 RGE \$ 9.09 BGC \$ 9.61 MNG \$ 7.20
IF-GU-240a.1c	Average retail gas rate for (1) residential, (2) commercial, (3) industrial customers, and (4) transportation services only	Industrial CNG \$ 8.27 SCG \$14.54 NYSEG \$ 9.03 RGE \$ 7.74 BGC \$ 9.61 MNG \$ 5.00
IF-GU-240a.1d	Average retail gas rate for (1) residential, (2) commercial, (3) industrial customers, and (4) transportation services only	Transportation CNG \$4.10 SCG \$4.31 NYSEG \$1.87 RGE \$1.06 BGC N/A MNG \$3.60
IF-GU-240a.2a	Typical monthly gas bill for residential customers for (1) 50 MMBtu and (2) 100 MMBtu of gas delivered per year	50 MMBtu CNG \$86.23 SCG \$84.22 NYSEG \$67.43 RGE \$54.08 BGC \$80.53 MNG \$108.82
IF-GU-240a.2b	Typical monthly gas bill for residential customers for (1) 50 MMBtu and (2) 100 MMBtu of gas delivered per year	100 MMBtu CNG \$146.16 SCG \$143.77 NYSEG \$106.04 RGE \$ 89.67 BGC \$152.08 MNG \$146.76
IF-GU-240a.3a	Number of residential customer gas disconnections for non-payment, percentage reconnected within 30 days	Number of Disconnects CNG 10,439 SCG 7,144 NYSEG 182 RGE 101 BGC 767 MNG 15
IF-GU-240a.3b	Number of residential customer gas disconnections for non-payment, percentage reconnected within 30 days	% of Reconnects in 30 days CNG 66% SCG 64% NYSEG 100% RGE 100% BGC Data Not Available MNG 40%

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IF-GU-240a.4	Discussion of impact of external factors on customer affordability of gas, including the economic conditions of the service territory	<p>New York as a whole: As the Federal Reserve increases rates to keep rising inflation down, economic growth will also slow in the near- to medium term, with employment decelerating in 2023-24. Declining population is expected to put downward pressure on the state's limited long-term growth potential as the forecast horizon lengthens. As a result of the national economy slowing down in 2023 and the population never recovering, total employment in New York will not regain the jobs it lost in the pandemic any time soon.</p> <p>RG&E: For the greater Rochester metropolitan area the business cycle is in recovery and that the population is forecasted to decrease by an average of 0.3% per year over the next six years, while net migration is negative (i.e. more people are leaving Rochester than moving to Rochester) - NYSEG: NYSEG's largest territorial division is Binghamton where recent metropolitan area job growth has outpaced both the state and the nation last year and there have been steady gains in defense and semiconductor manufacturing. Net migration continues to be negative.</p> <p>CMP: Maine has steadily lost well-paying manufacturing jobs and replaced those jobs with lower paying service sector jobs. The service territory consists of a few small metropolitan areas, many small municipalities and a large rural segment. Population growth is slow or flat and most of the economies in these areas have shown little growth. Throughout 2022, Maine has mostly recovered to pre-Covid 19 levels of employment though continues to depend on lower paying jobs in the service industry to more immediately drive economic growth. These factors alongside high inflation and a continually aging population transitioning towards fixed retirement incomes have negatively affected the overall ability of CMP customers to pay their bills.</p> <p>UI: The state of Connecticut has a high cost of living that creates an affordability problem in areas of low-income customers in the urban areas of Bridgeport and New Haven. The impact of high inflation currently affecting the U.S. exacerbates the affordability issues. The Connecticut job market was sluggish compared to the neighboring states before the COVID-19 pandemic. Unemployment has been declining since the peak of the pandemic as society and business continue to reopen. However, it is likely that Connecticut will continue to experience lower economic growth relative to neighboring states.</p>
IF-GU-420a	End-Use Efficiency	
IF-GU-420a.1a	Percentage of gas utility revenues from rate structures that (1) are decoupled or (2) contain a lost revenue adjustment mechanism (LRAM)	(1) 98% gas Avangrid gas utility revenues are from decoupled rate structures
IF-GU-420a.1b	Percentage of gas utility revenues from rate structures that (1) are decoupled or (2) contain a lost revenue adjustment mechanism (LRAM)	(2) 0% contain a lost revenue adjustment mechanism
IF-GU-420a.2	Customer gas savings from efficiency measures by market	MMBtu NYSEG 70,808 RG&E 123,231 CNG 147,110 SCG 130,117 BGC 22,775 Total 494,040
IF-GU-540a	Integrity of Gas Delivery Infrastructure	
IF-GU-540a.1a	Number of (1) reportable pipeline incidents , (2) Corrective Action Orders (CAO) , and (3) Notices of Probable Violation (NOPV)	(1) Incidents: RG&E: 0 NYSEG: 1 CNG: 0 SCG: 0 MNG: 0 BGC: 0
IF-GU-540a.1b	Number of (1) reportable pipeline incidents , (2) Corrective Action Orders (CAO) , and (3) Notices of Probable Violation (NOPV)	(2) Corrective Action: RG&E: 0 NYSEG: 0 CNG: 0 SCG: 0 MNG: 0 BGC: 0
IF-GU-540a.1c	Number of (1) reportable pipeline incidents , (2) Corrective Action Orders (CAO) , and (3) Notices of Probable Violation (NOPV)	(3) Notices: RG&E: 0 NYSEG: 0 CNG: 8 SCG: 19 MNG: 3 BGC: 0
IF-GU-540a.2a	Percentage of distribution pipeline that is (1) cast and/or wrought iron and (2) unprotected steel	(1) Cast/Wrought: RG&E: 0.00% NYSEG: .0007% CNG: 11.2% SCG: 22.2% MNG: 0% BGC: 4.7%
IF-GU-540a.2b	Percentage of distribution pipeline that is (1) cast and/or wrought iron and (2) unprotected steel	(2) Unprotected: RG&E: 1.0% NYSEG: 1.70% CNG: .05% SCG: 3.3% MNG: 0% BGC: 3.8%
IF-GU-540a.3	Percentage of gas (1) transmission and (2) distribution pipelines inspected	(1) Transmission: RG&E: 6.33% NYSEG: 0 CNG: NA SCG: NA MNG: 100% BGC: NA
IF-GU-540a.3	Percentage of gas (1) transmission and (2) distribution pipelines inspected	(2) Distribution: RG&E: 33% NYSEG: 33% CNG: 0 SCG: 0 MNG: 100% BGC: N/A

Disclosure	Description	2022 Response														
IF-GU-540a.4	Description of efforts to manage the integrity of gas delivery infrastructure, including risks related to safety and emissions	<p>At Avangrid, we know that a purposeful and continual shift towards renewables and beneficial electrification is essential to reducing carbon emissions and the impacts of climate change. Because of this, we are investing in several solutions to both increase the generation of and access to clean, renewable energy. We also recognize that as a provider of energy from natural gas, we must invest in improvements to existing gas infrastructure to advance decarbonization while also helping our customers adopt more efficient technologies. These investments include:</p> <ul style="list-style-type: none"> #Gas Pipeline Replacement #Gas Emission Reduction #Renewable Natural Gas #Green Hydrogen and Natural Gas #Beneficial Electrification <p>In February of 2022, Avangrid became one of the first energy companies to join the U.S. Department of Energy's (DOE) Better Climate Challenge. In doing so we committed to reduce our greenhouse gas emissions by at least 50% within 10 years and to share successful decarbonization strategies with the DOE.</p> <p>Avangrid received recognition by the American Gas Association as a 2022 award recipient for their Leading Indicator Safety Program, demonstrating our focus on proactively addressing safety hazards and implementing effective safety programs.</p> <p>Please see pages 33 & 37 of the 2022 Avangrid Sustainability Report</p>														
IF-GU-000.A	Number of: (1) residential, (2) commercial, and (3) industrial customers served	<p>Total number of gas customers served in 2021: 1,033,922</p> <table border="0"> <tr><td>NYSEG</td><td>271,623</td></tr> <tr><td>RG&E</td><td>322,926</td></tr> <tr><td>MNG</td><td>5,935</td></tr> <tr><td>SCG</td><td>208,010</td></tr> <tr><td>CNG</td><td>184,678</td></tr> <tr><td>BGC</td><td>40,750</td></tr> </table> <p>See page 9 of the 2022 Avangrid 10K Report</p>	NYSEG	271,623	RG&E	322,926	MNG	5,935	SCG	208,010	CNG	184,678	BGC	40,750		
NYSEG	271,623															
RG&E	322,926															
MNG	5,935															
SCG	208,010															
CNG	184,678															
BGC	40,750															
IF-GU-000.Aa	Number of residential gas customers served	<p>Residential</p> <table border="0"> <tr><td>NYSEG</td><td>241,334</td></tr> <tr><td>RGE</td><td>300,125</td></tr> <tr><td>SCG</td><td>188,957</td></tr> <tr><td>CNG</td><td>170,272</td></tr> <tr><td>MNG</td><td>4,332</td></tr> <tr><td>BGC</td><td>35,460</td></tr> <tr><td>Total</td><td>940,480</td></tr> </table>	NYSEG	241,334	RGE	300,125	SCG	188,957	CNG	170,272	MNG	4,332	BGC	35,460	Total	940,480
NYSEG	241,334															
RGE	300,125															
SCG	188,957															
CNG	170,272															
MNG	4,332															
BGC	35,460															
Total	940,480															
IF-GU-000.Ab	Number of commercial gas customers served	<p>Commercial</p> <table border="0"> <tr><td>NYSEG</td><td>30,148</td></tr> <tr><td>RGE</td><td>22,830</td></tr> <tr><td>SCG</td><td>19,549</td></tr> <tr><td>CNG</td><td>15,019</td></tr> <tr><td>MNG</td><td>1,559</td></tr> <tr><td>BGC</td><td>5,190</td></tr> <tr><td>Total</td><td>94,295</td></tr> </table>	NYSEG	30,148	RGE	22,830	SCG	19,549	CNG	15,019	MNG	1,559	BGC	5,190	Total	94,295
NYSEG	30,148															
RGE	22,830															
SCG	19,549															
CNG	15,019															
MNG	1,559															
BGC	5,190															
Total	94,295															
IF-GU-000.Ac	Number of industrial gas customers served	<p>Industrial</p> <table border="0"> <tr><td>NYSEG</td><td>473</td></tr> <tr><td>RGE</td><td>541</td></tr> <tr><td>SCG</td><td>378</td></tr> <tr><td>CNG</td><td>899</td></tr> <tr><td>MNG</td><td>17</td></tr> <tr><td>BGC</td><td>110</td></tr> <tr><td>Total</td><td>2,418</td></tr> </table>	NYSEG	473	RGE	541	SCG	378	CNG	899	MNG	17	BGC	110	Total	2,418
NYSEG	473															
RGE	541															
SCG	378															
CNG	899															
MNG	17															
BGC	110															
Total	2,418															
IF-GU-000.Ba	Amount of natural gas delivered	<p>Gas delivered in Dth:</p> <table border="0"> <tr><td>NYSEG</td><td>55,590,000</td></tr> <tr><td>RGE</td><td>58,884,000</td></tr> <tr><td>MNG</td><td>2,202,000</td></tr> <tr><td>SCG</td><td>36,031,000</td></tr> <tr><td>CNG</td><td>36,799,000</td></tr> <tr><td>BGC</td><td>10,219,000</td></tr> <tr><td>Total</td><td>199,725,000</td></tr> </table> <p>Please see page 14 of the Avangrid 2022 Sustainability Report</p>	NYSEG	55,590,000	RGE	58,884,000	MNG	2,202,000	SCG	36,031,000	CNG	36,799,000	BGC	10,219,000	Total	199,725,000
NYSEG	55,590,000															
RGE	58,884,000															
MNG	2,202,000															
SCG	36,031,000															
CNG	36,799,000															
BGC	10,219,000															
Total	199,725,000															
IF-GU-000.Bb	Percentage of natural gas delivered to residential customers	<table border="0"> <tr><td>NYSEG</td><td>41%</td></tr> <tr><td>RGE</td><td>47%</td></tr> <tr><td>CNG</td><td>48%</td></tr> <tr><td>SCG</td><td>45%</td></tr> <tr><td>MNG</td><td>19%</td></tr> <tr><td>BGC</td><td>30%</td></tr> </table>	NYSEG	41%	RGE	47%	CNG	48%	SCG	45%	MNG	19%	BGC	30%		
NYSEG	41%															
RGE	47%															
CNG	48%															
SCG	45%															
MNG	19%															
BGC	30%															
IF-GU-000.Bc	Percentage of natural gas delivered to commercial customers	<table border="0"> <tr><td>NYSEG</td><td>37%</td></tr> <tr><td>RGE</td><td>31%</td></tr> <tr><td>CNG</td><td>37%</td></tr> <tr><td>SCG</td><td>39%</td></tr> <tr><td>MNG</td><td>47%</td></tr> <tr><td>BGC</td><td>22%</td></tr> </table>	NYSEG	37%	RGE	31%	CNG	37%	SCG	39%	MNG	47%	BGC	22%		
NYSEG	37%															
RGE	31%															
CNG	37%															
SCG	39%															
MNG	47%															
BGC	22%															
IF-GU-000.Bd	Percentage of natural gas delivered to industrial customers	<table border="0"> <tr><td>NYSEG</td><td>22%</td></tr> <tr><td>RGE</td><td>22%</td></tr> <tr><td>CNG</td><td>5%</td></tr> <tr><td>SCG</td><td>2%</td></tr> <tr><td>MNG</td><td>2%</td></tr> <tr><td>BGC</td><td>48%</td></tr> </table>	NYSEG	22%	RGE	22%	CNG	5%	SCG	2%	MNG	2%	BGC	48%		
NYSEG	22%															
RGE	22%															
CNG	5%															
SCG	2%															
MNG	2%															
BGC	48%															
IF-GU-000.Be	Percentage of natural gas transferred to other customers	<table border="0"> <tr><td>NYSEG</td><td>N/A</td></tr> <tr><td>RGE</td><td>N/A</td></tr> <tr><td>CNG</td><td>10%</td></tr> <tr><td>SCG</td><td>14%</td></tr> <tr><td>MNG</td><td>32%</td></tr> <tr><td>BGC</td><td>N/A</td></tr> </table>	NYSEG	N/A	RGE	N/A	CNG	10%	SCG	14%	MNG	32%	BGC	N/A		
NYSEG	N/A															
RGE	N/A															
CNG	10%															
SCG	14%															
MNG	32%															
BGC	N/A															
IF-GU-000.Be	Percentage of natural gas transferred to a third party	N/A														

Disclosure	Description	2022 Response
IF-GU-000.C	Length of gas (1) transmission and (2) distribution pipelines	Total gas transmission pipelines in miles NYSEG 20 RGE 103 MNG 2 SCG NA CNG NA BGC NA TOTAL 126
IF-GU-000.Ca	Length of gas transmission pipelines	Please see page 20 of Avangrid 2022 10K Form
IF-GU-000.Cb	Length of gas distribution pipelines	Total gas distribution pipelines in miles NYSEG 8,486 RGE 9,344 MNG 231 SCG 2,513 CNG 2,215 BGC 770 TOTAL 23,559 Please see page 20 of Avangrid 2022 10K Form