



AVANGRID SASB Report

Sustainability Accounting Standard Board

For the year-ended December 31, 2021



May-22

AVANGRID SASB REPORT 2021		
ABOUT THIS REPORT:		
ELECTRIC UTILITIES & POWER GENERATORS		
SASB Code	Accounting Metric	Response
Green Gas House Emissions & Energy Resources Planning		
IF-EU-110a.1	Gross global Scope 1 emissions	<p>Scope 1: Direct GHG emissions from GHG sources owned or controlled by the Company. These include:</p> <ol style="list-style-type: none"> 1. Emissions from electric power generation facilities: carbon dioxide (CO₂) emissions produced from the combustion of fossil fuels 1,306,617 t CO₂eq 2. Combustion emissions are the emissions from electric power generation facilities (nitrous oxide N₂O and methane CH₄ emissions) produced by combustion of fossil fuels 1,280 t CO₂eq 3. Emissions in buildings: emissions from facilities (heating, generators, ...) that provide services to company buildings (consumption of fuels, diesel, natural gas and LPG). 6,149 t CO₂eq 4. 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. 270,395 t CO₂eq 5. Emissions from gas storage facilities (Hatfield moor UK) and emissions from plant waste from logging and pruning. ZERO 6. Emissions from mobile combustion: emissions associated with the road transport of employees with fleet vehicles (owned or managed by the company). 33,278 t CO₂eq <p>2021 Total = 1,617,721 t CO₂eq Please see page 64 of the AVANGRID 2021 Sustainability Report and also please see the Iberdrola</p>
	Percentage covered under emissions-reporting regulations	Iberdrola reports 100% of its emissions, as it is regulated in all countries where it operates. An assured Greenhouse Gas Report is also available
IF-EU-110a.2	Greenhouse gas (GHG) emissions associated with power deliveries	The Emissions associated with energy purchased from third parties for sale to the end customer: 11,354,160 t CO ₂ eq

SASB Code	Accounting Metric	Response
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	<p>TARGETS</p> <p>a) Reduce the intensity of Scope 1* greenhouse gas emissions of our generation capacity by 35% by the year 2025 compared to a year 2015 baseline and be Scope 1 carbon neutral by the year 2035.</p> <p>b) Continue to focus on renewable energy, targeting an increase in renewables installed capacity of more than 100% by the end of the year 2025 compared to a year 2015 baseline.</p> <p>Evolution of the intensity of CO2 emissions - Specific emissions Global mix 2021 = 55.5 kg CO2/MWh Please see page 64 of AVANGRID 2021 Sustainability Report. It covers direct CO2 emissions from generation facilities.</p>
IF-EU-110a.4	(1) Number of customers served in markets subject to renewable portfolio standards (RPS) and (2) percentage fulfillment of RPS target by market	<p>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, 2020, is 20%.</p> <p>Percentage fulfillment of RPS target by market = 20%</p>
Air Quality		
IF-EU-120a.1	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	<p>(1) NOx: 134 metric tons (2) SO2: 6 metric tons (3) PM: 21 metric tons (4) Lead: 0 (5) Mercury: 0</p> <p>See page 64 of AVANGRID 2021 Sustainability Report</p>

SASB Code	Accounting Metric	Response
Water Management		
IF-EU-140a.1	(1) Total water withdrawn (thousands of cubic meters)	Water withdrawn = 186 m3/GWh Water withdrawal for Klamath power generation: 3,950,204 m3 Treated wastewater 99 % See page 65 of AVANGRID 2021 Sustainability Report
	(2) Total water consumed (thousands of cubic meters)	Water consumed = 2,549,180 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	<p>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.</p> <p>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.</p> <p>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.</p> <p>Please see AVANGRID website at www.avangrid.com/sustainability/environment/water</p>
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

SASB Code	Accounting Metric	Response
Energy Affordability		
IF-EU-240a.1.	Average retail electric rate for (1) residential, (2) commercial, and (3) industrial customers	<p>Rate per kWh</p> <p>NYSEG Residential 0.134063 NYSEG Commercial 0.103503 NYSEG Industrial 0.076706</p> <p>RG&E Residential 0.141688 RG&E Commercial 0.146407 RG&E Industrial 0.095042</p> <p>CMP Residential 0.167536 CMP Commercial 0.106081 CMP Industrial 0.054165</p> <p>UIL Residential 0.247718 UIL Commercial 0.174336 UIL Industrial 0.18777</p> <p>Average Residential 0.172751 Average Commercial 0.132582 Average Industrial 0.103421</p>
IF-EU-240a.2.	Typical monthly electric bill for residential customers for (1) 500 kWh and (2) 1,000 kWh of electricity delivered per month	<p>Bill Amount at 500 kWh</p> <p>NYSEG Residential \$69.87 RG&E Residential \$74.69 CMP Residential \$85.87 UIL Residential \$138.88 Average Residential \$92.33</p> <p>Bill Amount of 1000 kWh</p> <p>NYSEG Residential \$122.75 RG&E Residential \$126.34 CMP Residential \$162.33 UIL Residential \$264.92 Average Residential \$169.08</p>
IF-EU-240a.3.	Number of residential customer electric disconnections for nonpayment, percentage reconnected within 30 days	<p>Total disconnects = 46,044 Total reconnects within 30 days = 40,033 (87%)</p>

SASB Code	Accounting Metric	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>NYSEG: The service territory consists of a few small metropolitan areas, many small municipalities and a large rural segment. Population growth is slow or negative. Most of the economies in these areas have shown little growth and some have been classified as in recession or at-risk for a few years. Employment opportunities are limited. These problems were exacerbated by the COVID-19 pandemic. The service territory is slowly returning to normal employment and economic activity.</p> <p>RG&E: The service territory includes a medium metropolitan area, surrounding suburbs and a large rural area. Several major employers have seen significant downsizing in the last two decades. The Rochester economy has been flat for several years, though some recent investments pointed to possible limited improvement before the COVID pandemic. The COVID pandemic had stalled any growth. The service territory is slowly returning to normal employment and economic activity.</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> <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. Additionally, the Maine economy has a significant dependence on tourism, a sector which has been particularly impacted by the COVID-19 pandemic and associated travel restrictions. While 2021 experienced signs of a recovery particularly in the tourism industry, a return back to full normal economic activity is not expected for another one to two years. In 2020, Maine has seen high unemployment levels as a result of the pandemic and the recent high inflation rates merely exacerbates the difficulties customers may have in paying their bills.</p>

SASB Code	Accounting Metric	Response								
Workforce Health & Safety										
IF-EU-320a.1.	(1) Total recordable incident rate (TRIR), (2) fatality rate, and (3) near miss frequency rate (NMFR)	<p>NUMBER OF ACCIDENTS Men: 340 (fatal 0, with leave 38, with high consequences 0, without leave 302) Women: 32 (fatal 0, with leave 6, with high consequences 0, without leave 26)</p> <p>FREQUENCY INDEX: Total 2.9 (Men 3.48 Women 1.41) SEVERITY INDEX: Total 0.12 (Men 0.15, Women 0.03)</p> <p>ABSENTEEISM (days lost): 1,804 (Men 1,689 Women 115)</p>								
End-Use Efficiency & Demand										
IF-EU-420a.1.	Percentage of electric utility revenues from rate structures that (1) are decoupled and (2) contain a lost revenue adjustment mechanism (LRAM)	(1) 79% (2) 0%								
IF-EU-420a.2.	Percentage of electric load served by smart grid technology	53.57% (percentage of electric customers with AMI or AMR equipment)								
IF-EU-420a.3.	Customer electricity savings from efficiency measures, by market	<p>2021 Data:</p> <table border="0"> <tr> <td>UI</td> <td>59,711 MWH</td> </tr> <tr> <td>NYSEG</td> <td>81,253 MWH</td> </tr> <tr> <td>RGE</td> <td>34,878 MWH</td> </tr> <tr> <td>Total</td> <td>175,842 MWH</td> </tr> </table>	UI	59,711 MWH	NYSEG	81,253 MWH	RGE	34,878 MWH	Total	175,842 MWH
UI	59,711 MWH									
NYSEG	81,253 MWH									
RGE	34,878 MWH									
Total	175,842 MWH									
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								
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 for NERC Critical Infrastructure Protection (CIP) standards that resulted in physical security or cyber security events.								

SASB Code	Accounting Metric	Response
IF-EU-550a.2.	(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	(1) SAIDI: 2.65 (2) SAIFI: 1.41 (3) CAIDI: 1.88 Please see 2021 AVANGRID Sustainability Report page 65.

AVANGRID SASB REPORT 2021

ABOUT THIS REPORT:

AVANGRID is a leading sustainable energy company transitioning America toward a clean and connected future headquartered in Orange, CT, and has a footprint in 24 states with \$40 billion in assets. Our primary businesses are Avangrid Networks, which serves 3.3 million electric and natural gas customers in the Northeast, and Avangrid Renewables, the third-largest renewable energy company in the U.S. with a diverse onshore and offshore renewable energy portfolio.

The table below contains topics identified in the standard ELECTRIC UTILITIES & POWER GENERATORS Sustainability Accounting Standard. This report covers the following AVANGRID Companies: AVANGRID RENEWABLES, CENTRAL MAINE POWER, NEW YORK STATE ELECTRIC & GAS, ROCHESTER GAS & ELECTRIC, UNITED ILLUMINATING. Additional information can be found in Avangrid's 2021 Sustainability Report and 2021 10-K form.

GAS UTILITIES & DISTRIBUTORS

SASB Code	Accounting Metric	2021 Data				
Energy Affordability						
IF-GU-240a.1.	Average retail gas rate for (1) residential, (2) commercial, (3) industrial customers, and (4) transportation services only		<u>Res</u>	<u>Comm</u>	<u>Indus</u>	<u>Trans</u>
		CNG	(1) \$14.52	(2) \$9.87	(3) \$9.41	(4) \$3.30
		SCG	(1) \$14.89	(2) \$9.72	(3) \$9.93	(4) \$3.35
		NYSEG	(1) \$10.21	(2) \$9.01	(3) \$6.21	(4) \$1.64
		RG&E	(1) \$ 1.07	(2) \$0.70	(3) \$0.51	(4) \$1.02
		BGC	(1) \$15.07	(2) \$12.19	(3) \$9.15	(4) \$2.85
		MNG	(1) \$18.84	(2) \$14.62	(3) \$12.14	(4) \$3.42
IF-GU-240a.2.	Typical monthly gas bill for residential customers for (1) 50 MMBtu and (2) 100 MMBtu of gas delivered per year		<u>50 MMBtu</u>	<u>100 MMBtu</u>		
		CNG	(1) \$69.77	(2) \$112.78		
		SCG	(1) \$69.98	(2) \$113.98		
		NYSEG	(1) \$56.46	(2) \$85.06		
		RG&E	(1) \$ 44.55	(2) \$71.62		
		BGC	(1) \$69.15	(2) \$129.42		
		MNG	(1) \$78.52	(2) \$157.04		
IF-GU-240a.3.	Number of residential customer gas disconnections for nonpayment, percentage reconnected within 30 days		<u># of Disconnects</u>	<u>% reconnected within 30 days</u>		
		SCG	1,853	71.29%		
		CNG	1,737	68.85%		
		NYSEG	0	N/A		
		RG&E	0	N/A		
		BGC:	433	Not available		
		MNG:	1	100%		

SASB Code	Accounting Metric	2021 Data
IF-GU-240a.4.	Discussion of impact of external factors on customer affordability of gas, including the economic conditions of the service territory	<p>NYSEG: The service territory consists of a few small metropolitan areas, many small municipalities and a large rural segment. Population growth is slow or negative. Most of the economies in these areas have shown little growth and some have been classified as in recession or at-risk for a few years. Employment opportunities are limited. These problems were exacerbated by the COVID-19 pandemic. The service territory is slowly returning to normal employment and economic activity.</p> <p>RG&E: The service territory includes a medium metropolitan area, surrounding suburbs and a large rural area. Several major employers have seen significant downsizing in the last two decades. The Rochester economy has been flat for several years, though some recent investments pointed to possible limited improvement before the COVID pandemic. The COVID pandemic had stalled any growth. The service territory is slowly returning to normal employment and economic activity.</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> <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. Additionally, the Maine economy has a significant dependence on tourism, a sector which has been particularly impacted by the COVID-19 pandemic and associated travel restrictions. While 2021 experienced signs of a recovery particularly in the tourism industry, a return back to full normal economic activity is not expected for another one to two years. In 2020, Maine has seen high unemployment levels as a result of the pandemic and the recent high inflation rates merely exacerbates the difficulties customers may have in paying their bills.</p>

End-Use Efficiency

IF-GU-420a.1.	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 (2) 0% contain a lost revenue adjustment mechanism
IF-GU-420a.2.	Customer gas savings from efficiency measures by market	NYSEG 51,662 MMBtu RG&E 100,743 MMBtu CNG 157,800 MMBtu SCG 196,157 MMBtu BGC 34,752 MMBtu MNG NA

SASB Code	Accounting Metric	2021 Data
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Integrity of Gas Delivery Infrastructure

IF-GU-540a.1.	Number of (1) reportable pipeline incidents, (2) Corrective Action Orders (CAO), and (3) Notices of Probable Violation (NOPV)	<p>(1) Incidents: RG&E: 0 NYSEG: 1 CNG: 0 SCG: 1 MNG:</p> <p>(2) Corrective Action: RG&E: 0 NYSEG: 0 CNG: 0 SCG: 0 MNG:</p> <p>(3) Notices: RG&E: 0 NYSEG: 0 CNG: 1 SCG: 2 MNG:</p>
IF-GU-540a.2.	Percentage of distribution pipeline that is (1) cast and/or wrought iron and (2) unprotected steel	<p>(1) Cast/Wrought: RG&E: 0.00% NYSEG: 0.114% CNG: 11.9% SCG: 23.3% MNG: NA</p> <p>(2) Unprotected: RG&E: 1.06% NYSEG: 1.85% CNG: 0.68% SCG: 3.33% MNG: NA</p>
IF-GU-540a.3.	Percentage of gas (1) transmission and (2) distribution pipelines inspected	<p>(1) Transmission: RG&E: 0.43 miles NYSEG: 0 miles CNG: NA SCG: NA MNG: 0</p> <p>(2) Distribution: RG&E: 0 miles NYSEG: 1.85 miles CNG: 0 SCG: 0 MNG: 0</p>
IF-GU-540a.4.	Description of efforts to manage the integrity of gas delivery infrastructure, including risks related to safety and emissions	<p>AVANGRID is committed to the promotion of its environmental, sustainability and governance goals. Our strategy and actions are inspired by, and built on, values and behaviors established by the Board of Directors and articulated in our Code of Business Conduct and Ethics. During 2021, AVANGRID was recognized for the third consecutive year as one of the World's Most Ethical Companies by the Ethisphere Institute, a global thought leader in defining standards for ethical business practices. The honor is extended to companies that recognize and are committed to influencing and driving positive change in the global business community. The company was one of only nine honorees in the Energy and Utilities category.</p> <p>AVANGRID has in place both a Transmission Integrity and Distribution Integrity Management Programs.</p>

Activity Metrics

IF-GU-000.A	Number of: (1) residential, (2) commercial, and (3) industrial customers served	<p>Total number of gas customers served in 2021: 1,029,202</p> <p>NYSEG 270,204 RG&E 319,737 MNG 5,616 SCG 208,024 CNG 184,880 BGC 40,741</p> <p>See page 8 of the 2021 AVANGRID 10K Report</p>
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SASB Code	Accounting Metric	2021 Data																					
IF-GU-000.B	Amount of natural gas delivered to: (1) residential customers, (2) commercial customers, (3) industrial customers, and (4) transferred to a third party	<p>Total natural gas delivered in 2021: 193,905,000 dekatherms</p> <p> NYSEG 53,381,000 RG&E 56,165,000 MNG 2,283,000 SCG 35,700,000 CNG 36,259,000 BGC 10,117,000 </p>																					
IF-GU-000.C	Length of gas (1) transmission and (2) distribution pipelines	<p>See page 8 of the 2021 AVANGRID 10K Report</p> <p>(1) Transmission: 125 miles (2) Distribution: 23,323 miles</p> <table border="1"> <thead> <tr> <th></th> <th><u>Transmission Miles</u></th> <th><u>Distribution Miles</u></th> </tr> </thead> <tbody> <tr> <td>NYSEG</td> <td>20</td> <td>8,452</td> </tr> <tr> <td>RG&E</td> <td>103</td> <td>9,144</td> </tr> <tr> <td>MNG</td> <td>2</td> <td>231</td> </tr> <tr> <td>SCG</td> <td>0</td> <td>2,511</td> </tr> <tr> <td>CNG</td> <td>0</td> <td>2,215</td> </tr> <tr> <td>BGC</td> <td>0</td> <td>770</td> </tr> </tbody> </table> <p>See page 18 of the 2021 AVANGRID 10K Report</p>		<u>Transmission Miles</u>	<u>Distribution Miles</u>	NYSEG	20	8,452	RG&E	103	9,144	MNG	2	231	SCG	0	2,511	CNG	0	2,215	BGC	0	770
	<u>Transmission Miles</u>	<u>Distribution Miles</u>																					
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