AVANGRID SASB Report

Sustainability Accounting Standard Board

For the year-ended December 31, 2020

AVANGRID

Committed to: SDG

July 2021

AVANGRID SASB REPORT 2020

ABOUT THIS REPORT:

AVANGRID is a leading sustainable energy company with assets and operations in 24 states. AVANGRID has two primary lines of business - Avangrid Networks and Avangrid Renewables. Avangrid Networks owns eight electric and natural gas utilities, serving approximately 3.3 million customers in New York and New England. Avangrid Renewables owns and operates 8.5 GW of electricity capacity at the end of 2020, primarily through wind power, with a presence in 22 states across the United States.

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 2020 Sustainability Report and 2020 10-K form.

ELECTRIC UTILITIES & POWER GENERATORS

SASB Code	Accounting Metric	Response
Greeen Gas House Emissions & Energy Resources Planing		
IF-EU-110a.1	Gross global Scope 1 emissions	1,466,766 metric tons CO_2 equivalent. Scope 1 (per GHG protocol) - Direct emissions from sources of GHGs that are owned or controlled by the company: GHG emissions from electricity generation, methane leaks from gas distribution networks, SF6 fugitive fleet emissions, fuel consumption in buildings and Company fleet vehicles.
	Percentage covered under emissions-reporting regulations	97 % (emissions from electricity generation, methane leaks and SF6 fugitives). Fuel consumption in buildings and company fleet not covered
IF-EU-110a.2	Greenhouse gas (GHG) emissions associated with power deliveries	10,442,226 metric tons CO2. These emissions are calculated as the emissions of the power that was purchased from a third-party for sale to end users, subtracted by the power owned by the entity.
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	TARGETS 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. 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.
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	ELECTRICITY CUSTOMERS: 2.2 million CT (UI): 341,269 MAINE (CMP): 646,818 NEW YORK: NYSEG (907,336) RG&E: (386,091)
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	(1) NOx: 149 metric tons (2) SO2: 6 metric tons (3) PM: 19 metric tons (4) Lead: 0 (5) Mercury: 0

SASB Code	Accounting Metric	Response
Water Management		
IF-EU-140a.1	(1) Total water withdrawn (thousands of cubic meters)	3,351,213 m3 (98% treated wastewater)
	(2) Total water consumed (thousands of cubic meters)	1,905,020 m3
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	The water is predominantly used in the steam cooling process at Klamath, our combined cycle co-generation plant in Oregon. Klamath Cogen produces both electricity and steam. Recycled municipal wastewater supplied by a treatment plant is used for cooling, and approximately two thirds evaporates. With 90% of AVANGRID's installed capacity being wind and solar that do not need water to generate electricity, we have one of the lowest water use intensities per MWh generated in the United States (148 m3/GWh). The company makes no withdrawals that significantly affect water resources or habitats associated with water withdrawal points.
Coal Ash Management		
IF-EU-150a.1.	Amount of coal combustion residuals (CCR) generated, percentage recycled	Not applicable. Avangrid does't 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't 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	UI: (1) Residential = $0.246/kWh, (2) Commercial = $0.177/kWh, (3) Industrial = $0.169/kWh NYSEG: (1) Residential = $0.12307, (2) Commercial =$0.08505, (3) Industrial =$0.06269/kWh RG&E: (1) Residential = $$0.13093, (2) Commercial = $0.12743 /kWh, (3) Industrial = $0.07957 /kWh CMP: (1) Residential = $0.16790, (2) Commercial = $0.12370/kWh, (3) Industrial = $0.09988/kWh
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	UI: (1) Residential = $128.28/month, (2) Residential = $243.72/month NYSEG: (1) Residential = $64.25/month, (2) Residential = $112.23/month RG&E: (1) Residential = $69.23/month, (2) Residential = $115.88/month CMP: (1) Residential = $82.37/month, (2) Residential = $155.50/month
IF-EU-240a.3.	Number of residential customer electric disconnections for nonpayment, percentage reconnected within 30 days	Disconnects: UI (15,386) NYSEG (3,257), RG&E (2,164), CMP (0) Reconnects within 30 days: UI (13,770, 89%), NYSEG (1,769, 54%), RG&E (1,538,71%), CMP (0, NA)
IF-EU-240a.4.	Discussion of impact of external factors on customer affordability of electricity, including the economic conditions of the service territory	**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 have been exacerbated by the COVID-19 pandemic, and a return back to normal employment and economic activity is one to two years away. **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 has stalled any growth, and a return back to normal employment and economic activity is one to two years away. **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 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 **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 has seen signs of a recovery, 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, which exacerbates the difficulties customers may have in paying their bills.

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)	(1) Recordable incident rate: 2.47 (2) Work-related employee fatalities: 0 Work-related contractor fatalities: 0
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) 86% (2) 0%
IF-EU-420a.2.	Percentage of electric load served by smart grid technology	32% (percentage of electric customers with AMI or AMR equipment)
IF-EU-420a.3.	Customer electricity savings from efficiency measures, by market	TOTAL: 186,911 MWh UI: 49,849 MWh NYSEG: 94,568 MWh; RGE: 42,494 MWh CMP: NA
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't own or operate nuclear power plants
IF-EU-540a.2.	Description of efforts to manage nuclear safety and emergency preparedness	Not applicable. Avangrid does't 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	In 2020, Avangrid companies self-reported a number of potential non-compliance instances with the NERC Critical Infrastructure Protection (CIP) Standards. Additional potential non-compliance instances were found during NERC CIP audits. These instances are still waiting for the NERC regional enforcement authorities to determine actual non-compliance.
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: 2.52 (2) SAIFI: 1.37 (3) CAIDI: 1.84

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The table below contains topics identified in the standard **GAS UTILITIES & DISTRIBUTORS** Sustainability Accounting Standard. This report covers the following AVANGRID Companies: **BERKSHIRE GAS COMPANY**, **CONNECTICUT NATURAL GAS, MAINE NATURAL GAS, NEW YORK STATE ELECTRIC & GAS, ROCHESTER GAS & ELECTRIC, SOUTHERN CONNECTICUT GAS**. Additional information can be found in Avangrid's 2020 Sustainability Report and 2020 10-K form.

GAS UTILITIES & DISTRIBUTORS

SASB Code	Accounting Metric	Response
Energy Affordability		
IF-GU-240a.1.	Average retail gas rate for (1) residential, (2) commercial, (3) industrial customers, and (4) transportation services only	CNG (1) $13.14 (2) CNG $12.36 (3) $6.06 (4) $3.01 SCG (1) $13.76 (2) $12.03 (3) $6.08 (4) $3.33 NYSEG (1) $8.98 (2) $7.53 (3) $4.24 (4) $1.47 RG&E (1) $9.58 (2) $6.01 (3) $3.64 (4) $1.01 BGC (1) $13.94 (2) $11.44 (3) $8.05 (4) $2.7 MNG (1) $16.45 (2) $14.15 (3) $13.75 (4) $6.10
IF-GU-240a.2.	Typical monthly gas bill for residential customers for (1) 50 MMBtu and (2) 100 MMBtu of gas delivered per year	CNG (1) $67.51 (2) $109.01 SCG (1) $66.63 (2) $108.81 NYSEG (1) $51.03 (2) $74.84 RG&E (1) $39.93 (2) $63.25 BGC (1) $66.19 (2) $120.97 MNG (1) $22.01 (2) $17.59
IF-GU-240a.3.	Number of residential customer gas disconnections for nonpayment, percentage reconnected within 30 days	Disconnects: SCG (4,843), CNG (3,092), NYSEG (330), RG&E (175), BGC (38), MNG (4) Reconnects within 30 days: SCG (4,798,99%), CNG (2,474, 80%), NYSEG (109, 33%), RG&E (66,38%), BGC (NA), MNG (4,100%)
IF-GU-240a.4.	Discussion of impact of external factors on customer affordability of gas, including the economic conditions of the service territory	See Indicator IF-EU-240a.4.
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% (2) 0%
IF-GU-420a.2.	Customer gas savings from efficiency measures by market	NYSEG:113,287 dekatherm; RG&E 105.345; CNG: 146,818 Mcf; SCG: 195,022 Mcf; BGC: 302,411 therms; MNG: NA

SASB Code	Accounting Metric	Response
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)	(1) RG&E: 1, 51 Noel Dr. NYSEG: 0 CNG: 0 SCG: 0 MNG: 0 (2) RG&E: 0. NYSEG: 0 CNG: 0 SCG: 0 MNG: 0 (3) RG&E: 0. NYSEG: 0 CNG: 2 SCG: 1 MNG: 0
IF-GU-540a.2.	Percentage of distribution pipeline that is (1) cast and/or wrought iron and (2) unprotected steel	(1) RG&E: 0.002% NYSEG: 0.125% CNG: 12.2% SCG: 23.7% MNG: NA (2) RG&E: 1.244% NYSEG: 2.135% CNG:0.7% SCG: 3.4% MNG: NA
IF-GU-540a.3.	Percentage of gas (1) transmission and (2) distribution pipelines inspected	(1) RG&E: 1.17 miles (1.13%) NYSEG: 0 miles (0%) CNG: NA SNG: NA MNG: 0 miles (0%) (2) RG&E: 0. NYSEG: 0 CNG: 0 SCG: 0 MNG: 0
IF-GU-540a.4.	Description of efforts to manage the integrity of gas delivery infrastructure, including risks related to safety and emissions	Follow company Transmission Integrity and Distribution Integrity Management Programs
Activity Metrics		
IF-GU-000.A	Number of: (1) residential, (2) commercial, and (3) industrial customers served	(1) RESIDENTIAL: NYSEG: 270,204 RG&E: 319,737 CNG: 167,394 SCG: 185,917 BGC: 35,297 MNG: 3,720 (2) NON RESIDENTIAL: NYSEG: 49,465 RG&E: 23,878 CNG: 16,052 SCG: 20,179 BGC: 5,340 MNG: 1,481
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	Total natural gas delivered: 189,678,000 dekatherms
IF-GU-000.C	Length of gas (1) transmission and (2) distribution pipelines	(1) Transmission: 127 miles (2) Distribution: 23,068 miles