



## 2022 SASB STANDARDS TABLE

The Sustainability Accounting Standards Board (SASB) has developed industry-specific sustainability metrics for corporations to disclose material, decision-useful information to investors. Vistra's SASB disclosures for the Infrastructure Sector – Electric Utilities & Power Generators are outlined in the table below.

TOPIC	SASB CODE	ACCOUNTING METRIC	2022 DISCLOSURE																		
Greenhouse Gas Emissions and Energy Resource Planning	IF-EU-110a.1	(1) Gross global scope 1 emissions	94,785,101 metric tonnes of CO <sub>2</sub> e Emissions are equity adjusted for partial ownership of certain power plants consistent with equity share methodologies as described in GHG Protocol: A Corporate Accounting and Reporting Standard, Revised Edition.																		
		(2) Percentage covered under emissions-limiting regulations	11%																		
		(3) Percentage covered under emissions-reporting regulations	99.6% All of Vistra's power plant facilities report under the EPA mandatory reporting program with the exception of four sites in 2022 whose emissions were insignificant.																		
	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	Vistra's goal is to achieve a 60% reduction in CO <sub>2</sub> e emissions by 2030, as compared to a 2010 baseline, and net-zero carbon emissions by 2050, assuming necessary advancements in technology and supportive market constructs and public policy. We expect progress towards these goals will include incremental fossil fuel asset retirements, continued investment in solar and battery energy storage, and the monitoring and potential deployment of new technologies. As of Dec. 31, 2022, Vistra reduced its CO <sub>2</sub> e emissions by 45% compared to a 2010 baseline—achieving nearly 75% of Vistra's 2030 emissions reduction goal. Emissions decreased from 2021 due primarily to fossil fuel plant closures.																		
	IF-EU-110a.4	(1) Number of customers served in markets subject to renewable portfolio standards (RPS)	Vistra operates in retail electric markets that are competitive, allowing the customer to choose the retail electric provider and plan for their electricity needs. Vistra retail offers numerous renewable product offerings if the customer desires to purchase a renewable electricity plan. As of Dec. 31, 2022, of Vistra's ~3.5 million customers, 100% of them are in states that have an RPS in place.																		
(2) Percentage fulfillment of RPS target by market																					
Air Quality	IF-EU-120a.1	Air emissions of the following pollutants: (1) NO <sub>x</sub> (excluding N <sub>2</sub> O), (2) SO <sub>x</sub> , (3) particulate matter (PM <sub>10</sub> ), (4) lead (Pb), and (5) mercury (Hg); percentage of each in or near areas of dense population	<table><tr><th>Pollutant</th><th>Emissions (metric tonnes)</th><th>% in or near areas of dense populations</th></tr><tr><td>NO<sub>x</sub></td><td>39,768</td><td>74%</td></tr><tr><td>SO<sub>x</sub></td><td>76,821</td><td>71%</td></tr><tr><td>PM<sub>10</sub></td><td>6,333</td><td>54%</td></tr><tr><td>Pb</td><td>0.40</td><td>71%</td></tr><tr><td>Hg</td><td>0.37</td><td>54%</td></tr></table>	Pollutant	Emissions (metric tonnes)	% in or near areas of dense populations	NO <sub>x</sub>	39,768	74%	SO <sub>x</sub>	76,821	71%	PM <sub>10</sub>	6,333	54%	Pb	0.40	71%	Hg	0.37	54%
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Water Management	IF-EU-140a.1	(1) Total water withdrawn, percentage in regions with High or Extremely High Baseline Water Stress	<table><tr><th colspan="2">2022 Total Water Withdrawn</th></tr><tr><th>Water Source</th><th>Total (MegaLiters)</th></tr><tr><td>Groundwater</td><td>7,525</td></tr><tr><td>Surface Water</td><td>13,029,494</td></tr><tr><td>Sea Water</td><td>356,175</td></tr><tr><td>Third Party</td><td>113,971</td></tr><tr><td>Produced</td><td>0</td></tr><tr><td>Total</td><td>13,507,165</td></tr></table>	2022 Total Water Withdrawn		Water Source	Total (MegaLiters)	Groundwater	7,525	Surface Water	13,029,494	Sea Water	356,175	Third Party	113,971	Produced	0	Total	13,507,165
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Water Management (continued)	IF-EU-140a.2	Number of incidents of non-compliance associated with water quantity and/or quality permits, standards, and regulations	<table><tr><th colspan="2">2022 Total Water Consumed</th></tr><tr><th>Water Source</th><th>Total (MegaLiters)</th></tr><tr><td>Groundwater</td><td>5,534</td></tr><tr><td>Surface Water</td><td>139,283</td></tr><tr><td>Sea Water</td><td>191</td></tr><tr><td>Third Party</td><td>26,750</td></tr><tr><td>Produced</td><td>0</td></tr><tr><td>Total</td><td>171,758</td></tr></table>	2022 Total Water Consumed		Water Source	Total (MegaLiters)	Groundwater	5,534	Surface Water	139,283	Sea Water	191	Third Party	26,750	Produced	0	Total	171,758
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Substantially all (99%) of our water withdrawn is <b>not</b> consumed, rather it is returned to its source or recycled. Vistra has five efficient natural gas fueled power plants in areas identified as “High” or “Extremely High” water stress as defined by GRI Standards. These five plants represent 4.0% of water consumed. See SASB disclosure IF-EU-140a.3 for further discussion.																			
IF-EU-140a.3	Description of water management risks and discussion of strategies and practices to mitigate those risks	Water is a limited, expensive, and shared resource that is essential to Vistra’s power plant operations. Producing electricity utilizes water in several key functions such as producing steam, condensing steam, cooling equipment, pollution control equipment and in some circumstances, boiler make-up, potable water, cleaning and other uses. Therefore, water conservation is a primary concern at each of our generating facilities, especially those in high water stress areas. The risk and management of water is reviewed as part of Vistra’s corporate risk management process, along with other environmental and climate-related risks. Further, water scarcity from droughts was reveiwed as part of Vistra’s climate scenario analysis among various climate projections over the next 30 years.																	
		Though many of our power plants are geographically situated in an area of ample water supply, Vistra practices environmental stewardship and works to efficiently use water at all locations. Each facility manages its daily water withdrawal, consumption, and discharge in accordance with local, state and federal permits and regulations that control water use and effluent quality. Where appropriate, we have built large reservoirs to capture water when it is plentiful, allowing it to be reused/recycled repeatedly. When feasible, we find ways to recycle water, to reuse water from one system to another system to reduce our use of freshwater, and to reclaim other types of wastewaters. In fact, Vistra power plants consume less than 2% of water withdrawn.																	
Vistra has five efficient natural gas fueled power plants in areas identified as “High Stress” or “Extremely High Stress” in Texas. They are located in regions of the state that are either typically arid, historically susceptible to drought, and/or experiencing higher electricity demands due to significant business development and population growth in the state. Each of these highly efficient natural gas plants utilize low water demand and have their own site-specific conservation measures: Two have extremely low water demand, one operates as a zero discharge facility, another uses reclaimed water as its primary source, and the last one utilizes low quality water with significant treatment, is able to recycle extensively, and then discharges to a facility that continues to recycle the same water.																			

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Coal Ash Management	IF-EU-150a.1	Amount of coal combustion residuals (CCR) generated (metric tonnes)	4,163,808																								
		Percentage recycled (metric tonnes)	67.3%																								
	IF-EU-150a.2	Total number of coal combustion residual (CCR) impoundments, broken down by hazard potential classification and structural integrity assessment	Vistra has a total of 30 impoundments classified as follows by hazard potential classification: 8 Low, 8 High and 14 Significant. Vistra complies with the US EPA Coal Combustion Residuals (CCR) requirements and reports are publicly available on Luminant's <a href="#">website</a> .																								
Workforce Health & Safety	IF-EU-320a.1	(1) Total recordable incident rate (TRIR)	0.85																								
		(2) Fatality rate	0																								
		(3) Near miss rate	1.54																								
			All rates are calculated by multiplying the events by 200,000 and dividing by actual worked hours. Near Miss Events are defined by Vistra to be an unplanned event that did not result in any injury, illness or property damage. The near miss rate was calculated from 80 near miss events for 2022.																								
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	<table><tr><th>Reactor Unit</th><th>Action Matrix Column</th></tr><tr><td>Comanche Peak 1</td><td>Licensee Response</td></tr><tr><td>Comanche Peak 2</td><td>Licensee Response</td></tr></table> <p>This information is available on the NRC's website <a href="#">here</a>.</p>	Reactor Unit	Action Matrix Column	Comanche Peak 1	Licensee Response	Comanche Peak 2	Licensee Response																		
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IF-EU-540a.2	Description of efforts to manage nuclear safety and emergency preparedness	Safety is Vistra's top priority. As a commercial nuclear plant operator, we are licensed by the US NRC. We must comply and follow NRC regulations and programs regarding nuclear operations including their <a href="#">safety culture principles</a> . Vistra's power plant, Comanche Peak, publishes its own emergency <a href="#">information website</a> for the public. In addition, oversight by the Nuclear Oversight Advisory Board (NOAB) ensures routine, periodic independent oversight of nuclear plant performance, including safety metrics.																									
Activity Metric	IF-EU-000.A	Number of residential customers served	Vistra serves 3,500,000 retail customers as of December 31, 2022.																								
		Number of commercial customers served																									
		Number of industrial customers served																									
	IF-EU-000.B	Total electricity delivered to residential customers	Vistra delivered 98,089 GWh of power to it is retail electric customers.																								
		Total electricity delivered to commercial customers																									
		Total electricity delivered to industrial customers																									
		Total electricity delivered to all other retail customers																									
		Percentage of wholesale customers																									
	IF-EU-000.D	Total electricity generated, percentage of electricity generated by major energy source, percentage in regulated markets	<table><tr><th colspan="3">2022 Total Electricity Generated</th></tr><tr><th>Fuel</th><th>MWh</th><th>% of Total</th></tr><tr><td>Gas</td><td>94,409,675</td><td>55%</td></tr><tr><td>Coal</td><td>56,435,900</td><td>33%</td></tr><tr><td>Nuclear</td><td>19,687,742</td><td>11%</td></tr><tr><td>Solar &amp; Battery</td><td>865,723</td><td>1%</td></tr><tr><td>Oil</td><td>34,278</td><td>0%</td></tr><tr><td>Total</td><td>171,433,319</td><td></td></tr></table> <p>0% of electricity is generated in regulated markets.</p>	2022 Total Electricity Generated			Fuel	MWh	% of Total	Gas	94,409,675	55%	Coal	56,435,900	33%	Nuclear	19,687,742	11%	Solar & Battery	865,723	1%	Oil	34,278	0%	Total	171,433,319	
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IF-EU-000.E	Total wholesale electricity purchased	1,824 GWh with over 98% attributed to renewable purchases.																									