

1.1.b) Provide further details on the board's oversight of climate-related issues.

Frequency with which climate-related issues are a			

Entitled to incentive
Corporate executive team

Type of incentive
Monetary reward

Incentive(s)
Bonus - % of salary

Performance indicator(s)
Progress towards a climate-related target
Implementation of an emissions reduction initiative
Increased investment in low-carbon R&D
Increased share of revenue from low-carbon products or services in product or service portfolio

Incentive plan(s) this incentive is linked to
Short-Term Incentive Plan

Further details of incentive(s)

In furtherance of the company's continued focus on ESG initiatives, the Social Responsibility and Compensation Committee of the board maintained an ESG Index as part of Vistra's 2022 Annual Incentive Plan scorecard with a 10% weighting. The performance of the company on the categories measured by the ESG Index will factor into the short-term incentive compensation for all employees in the organization. To align management's compensation with Vistra's important ESG and DEI goals, the ESG Index measures the following climate-related issues: GHG emissions reduction targets (including to achieve 60% reduction by 2030 and net-zero by 2050, GHG-related advocacy efforts, and work to develop science-based targets that are aligned with the 1.5 degree trajectory.

In addition, the 2022 Annual Incentive Plan scorecard included a new 10% weighting for a development and innovation and ESG and DEI targets comprising 5% of the company's

Primary potential financial impact

Decreased access to capital

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

There is attention and interest nationally and internationally on global climate change and how greenhouse gas (GHG) emissions, such as carbon dioxide (CO2), contribute to global climate change. The power generation sector, while the second highest contributor of GHG emissions, after the transportation industry, is improving its overall emissions intensity [at a significantly faster rate than other high GHG contributing industries]. GHG emissions from the combustion of fossil fuels, primarily from our coal/lignite-fueled generation plants, represent the substantial majority of Vistra's total GHG emissions. CO2, methane, and nitrous oxide are emitted in this combustion process, with CO2 representing the largest portion of these GHG emissions. Further, there has been growing attention from large investment firms and their investors in sustainable investing, the investment strategy that considers environmental, social, and governance (ESG) criteria to generate both financial returns and social impact. This strategy can drive investment decisions based on investors' perceived impact of our business on the environment. Depending on individual stakeholders' level of acceptance of the utility/power generation sector and/or Vistra's own GHG emission levels and abatement strategy, our reputation could be harmed and thereby impair or limit our access to new capital or impair our ability to procure sufficient insurance coverage for our fossil assets. Further, Vistra's carbon abatement strategy depends on supportive policies and new technologies. If supportive policies are not implemented and/or the pace of innovation is too slow causing a hinderance to or the unsuccessful achievement of our long-term emission reduction goals and portfolio transformation, increased damage to our reputation could occur and in turn impact our access to capital and/or increase our cost of capital. Insufficient access to new capital or an inability to procure adequate insurance coverage for the fossil assets in our wholesale business, including as a result of sustainability positions taken by investors or insurance companies, may threaten the company's capacity to g

--	--

--

--	--

Comment

Vistra monitors weather reports and will enact safety procedures in response to extreme weather events to ensure the safety of all employees and contractors working at its facilities.

Identifier

Risk 6

Where in the value chain does the risk driver occur?

Direct operations

Risk type & Primary climate-related risk driver

Emerging regulation	Carbon pricing mechanisms
---------------------	---------------------------

Primary potential financial impact

Decrease in net book value or asset useful life leading to write-offs, asset impairment or early retirement of existing assets

Climate risk type mapped to TCFD S -

Likelihood

Very likely

Magnitude of impact

Medium-low

Are you able to provide a poteomle



--	--

--	--

--	--

(C3.5) In your organization's financial accounting, do you identify spending/revenue that is aligned with your organization's climate transition?

	Identification of spending/revenue that is aligned with your organization's climate transition	Indicate the level at which you identify the alignment of your spending/revenue with a sustainable finance taxonomy
Row 1	No, but we plan to in the next two years	<Not Applicable>

C4. Targets and performance

C4.1

(C4.1) Did you have an emissions target that was active in the reporting year?

Absolute target

C4.1a

(C4.1a) Provide details of your absolute emissions target(s) and progress made against those targets.

Target reference number

Abs 1

Is this a science-based target?

No, but we anticipate setting one in the next two years

Target ambition

<Not Applicable>

Year target was set

2020

Target coverage

Company-wide

Scope(s)

Scope 1

Scope 2

Scope 2 accounting method

Location-based

Scope 3 category(ies)

<Not Applicable>

Base year

2010

Base year Scope 1 emissions covered by target (metric tons CO2e)

172810588

Base year Scope 2 emissions covered by target (metric tons CO2e)

0

Base year Scope 3, Category 1: Purchased goods and services emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 2: Capital goods emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 4: Upstream transportation and distribution emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 5: Waste generated in operations emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 6: Business travel emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 7: Employee commuting emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 8: Upstream leased assets emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 9: Downstream transportation and distribution emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 10: Processing of sold products emissions covered by target (metric tons CO2e)

<Not Applicable>

Base year Scope 3, Category 11: Use of sold products emissions covered by target (metric tons ~~C0C0C0C0~~)

Target status in reporting year

Underway

Please explain target coverage and identify any exclusions

Vistra's emissions reduction target of 60% by 2030 includes Scope 2 GHG emissions, even though these emissions for the base year 2010 are not available. Vistra's Scope 2 GHG emissions are not a material driver of its overall emissions profile, consistently representing less than 0.5% of the total GHG emissions. As such, Vistra's Scope 2 GHG emissions represent an immaterial addition to the target base year's emissio

Investment required (unit currency – as specified in C0.4)

Payback period

4-10 years

Estimated lifetime of the initiative

21-30 years

C/ G H

--	--

--	--

--	--

--	--

Base year start
January 1 2010

Base year end
December 31 2010

Base year emissions (metric tons CO2e)
172810588

Comment

The base year for Scope 1 GHG emissions is 2010, the year Vistra's last fossil-fueled asset was constructed and online. Emissions are reported according to the equity share approach as defined by the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard. GHG emissions that pertain to the organizational and operational boundaries have been reported for the Company-owned buildings and power generation facilities, including facilities that are not required to report direct emissions under the US EPA's Mandatory Reporting Rule, and the Company's real estate financial leases located in the United States.

Scope 2 (location-based)

Base year start
January 1 2018

Base year end
December 31 2018

Base year emissions (metric tons CO2e)
248611

Comment

The Scope 2 GHG emissions base year is 2018, the first year Vistra calculated Scope 2 GHG emissions. Emissions are reported according to the equity share approach as defined by the Greenhouse Gas Protocol Corporate Accounting and Reporting Standard. GHG emissions that pertain to the organizational and operational boundaries have been reported for the Company owned buildings and power generation facilities, including facilities that are not required to report direct emissions under the US EPA's Mandatory Reporting Rule, and the Company's real estate financial leases located in the United States. The Company's policy is to exclude Scope 2 GHG emissions from a facility in the year in which the facility is acquired.

Scope 2 (market-based)

Base year start

Base year emissions (metric tons CO2e)

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 1: P

Scope 3 category 6: Business travel

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 7: Employee commuting

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 8: Upstream leased assets

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 9: Downstream transportation and distribution

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 10: Processing of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 3 category 11: Use of sold products

Base year start

J

(C6.1) What were your organization's gross global Scope 1 emissions in 2019? (tCO₂e)

(C6.4a) Provide details of the sources of Scope 1, Scope 2, or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure.

Source of excluded emissions

Mobile equipment at generation facilities

Scope(s) or Scope 3 category(ies)

Scope 1

Relevance of Scope 1 emissions from this source

Emissions are not relevant

Relevance of location-based Scope 2 emissions from this source

<Not Applicable>

Relevance of market-based Scope 2 emissions from this source

<Not Applicable>

Relevance of Scope 3 emissions from this source

<Not Applicable>

Date of acquisition or merger

<Not Applicable>

Estimated percentage of total Scope 1+2 emissions this excluded source represents

0

Estimated percentage of total Scope 3 emissions this excluded source represents

<Not Applicable>

Explain why this source is excluded

Reported scope 1 emissions does not include mobile equipment used at facilities for operations as these are not a material source of emissions.

Explain how you estimated the percentage of emissions this excluded source represents

Emissions from mobile equipment is estimated to be ~0.01% of total 2022 emissions. This estimate is based on approximate amount of v̇. æ

Business travel

Evaluation status

Not relevant, calculated

Emissions in reporting year (metric tons CO2e)

622

Emissions calculation methodology

Distance-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

Please explain

This represents the emissions associated with air travel completed by employees and booked through Vistra's corporate travel agency. Vistra received the log of booked travel and distance from its third-party vendor.

Employee commuting

Evaluation status

Not relevant, calculated

Emissions in reporting year (metric tons CO2e)

18860

Emissions calculation methodology

Distance-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

Please explain

Vistra calculated the estimated distance travelled by employees between their mailing address and work location, as registered in our human capital management software, for a sample size of employees that was then extrapolated to the total employee population.

Upstream leased assets

Evaluation status

Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

As a power generator, Scope 1 emissions cover the vast majority of Vistra's total emissions. Scope 3 emissions from Upstream leased assets are not considered material to our overall emissions profile.

Downstream transportation and distribution

Evaluation status

Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

As a power generator, Scope 1 emissions cover the vast majority of Vistra's total emissions. Scope 3 emissions from downstream transportation and distribution are not considered material to our overall emissions profile.

Processing of sold products

Evaluation status

Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

As a power generator, Scope 1 emissions cover the vast majority of Vistra's total emissions. Scope 3 emissions from downstream transportation and distribution are not considered material to our overall emissions profile.

om downstrnl pe is (tl Scope is (tl S'e A' is

Other (upstream)

Evaluation status

Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

There are no other upstream emissions that are material to our overall emissions profile.

Other (downstream)

Evaluation status

Not relevant, explanation provided

Emissions in reporting year (metric tons CO2e)

<Not Applicable>

Emissions calculation methodology

<Not Applicable>

Percentage of emissions calculated using data obtained from suppliers or value chain partners

<Not Applicable>

Please explain

There are no other downstream emissions that are material to our overall emissions profile.

C6.5a

(C6.5a) Disclose or restate your Scope 3 emissions data for previous years.

Past year 1

Start date

January 1 2021

End date

December 31 2021

Scope 3: Purchased goods and services (metric tons CO2e)

Scope 3: Capital goods (metric tons CO2e)

Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

12006

Scope 3: Upstream transportation and distribution (metric tons CO2e)

Scope 3: Waste generated in operations (metric tons CO2e)

Scope 3: Business travel (metric tons CO2e)

178

Scope 3: Employee commuting (metric tons CO2e)

16429

Scope 3: Upstream leased assets (metric tons CO2e)

1095

Scope 3: Downstream transportation and distribution (metric tons CO2e)

Scope 3: Processing of sold products (metric tons CO2e)

Scope 3: Use of sold products (metric tons CO2e)

2386622

Scope 3: End of life treatment of sold products (metric tons CO2e)

Scope 3: Downstream leased assets (metric tons CO2e)

Scope 3: Franchises (metric tons CO2e)

Scope 3: Investments (metric tons CO2e)

Scope 3: Other (upstream) (metric tons CO2e)

Scope 3: Other (downstream) (metric tons CO2e)

Comment

Past year 2

Start date

January 1 2020

End date

January 1





Other renewable fuels (e.g. renewable hydrogen)

Heating value

Unable to confirm heating value

Total fuel MWh consumed by the organization

MWh fuel consumed for self-generation of electricity

MWh fuel consumed for self-generation of heat

MWh fuel consumed for self-generation of steam

<Not Applicable>

MWh fuel consumed for self-generation of cooling

<Not Applicable>

MWh fuel consumed for self- cogeneration or self-trigeneration

<Not Applicable>

Comment

Vistra does not consume this fuel type.

Coamed r o r d o r o r o r o r o r o r o r o r o r o o r o r o r o o

Nameplate capacity (MW)
338

Gross electricity generation (GWh)

Net electricity generation (GWh)
822

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment

Vistra's solar facility is zero emissions generation. Nameplate based on year end

Marine

Nameplate capacity (MW)

Gross electricity generation (GWh)

Net electricity generation (GWh)

Absolute scope 1 emissions (metric tons CO2e)

Scope 1 emissions intensity (metric tons CO2e per GWh)

Comment

Vistra has no marine generation.

Other renewable

Nameplate capacity (MW)
670

Gross electricity generation (GWh)

Net electricity generation (GWh)
44

Absolute scope 1 emissions (metric tons CO2e)
0

Scope 1 emissions intensity (metric tons CO2e per GWh)
0

Comment

Vistra's batteries at Moss Landing store excess generation from the grid. There are no Scope 1 emissions associated with this business activity. Nameplate based on year end

Other non-renewable

Nameplate capacity (MW)

Gross electricity generation (GWh)

Net electricity generation (GWh)

Absolute scope 1 emissions (metric tons CO2e)

Scope 1 emissions intensity (metric tons CO2e per GWh)

Comment

Total

Nameplate capacity (MW)
36937

Gross electricity generation (GWh)

Net electricity generation (GWh)
171433

Absolute scope 1 emissions (metric tons CO2e)
94785101
GWh)

Coal – hard

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

570000000

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

48

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Most recent year in which a new power k ost receyoor in which % of totā

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Most recent year in which a new power plant using this source was approved for development

<Not Applicable>

Explain your CAPEX calculations, including any assumptions

Vistra does not own waste powered assets.

Nuclear

CAPEX in the reporting year for power generation from this source (unit currency as selected in C0.4)

721000000

CAPEX in the reporting year for power generation from this source as % of total CAPEX for power generation in the reporting year

60

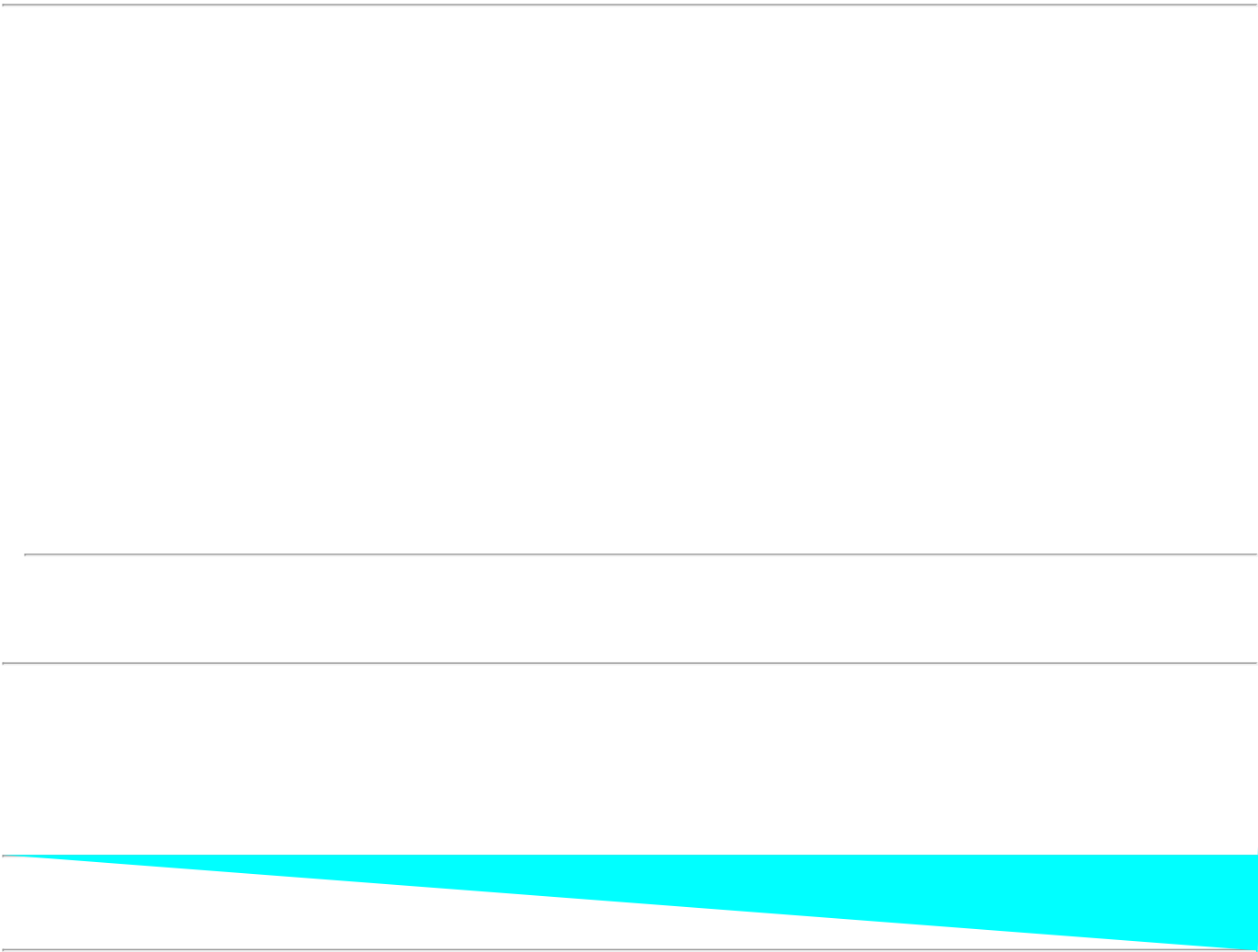
CAPEX planned over the next 5 years for power generation from this source as % of total CAPEX planned for power generation over the next 5 years

Most recent year in which a new power plant using this source was approved for development

1990

Explain your CAPEX calculations, including any assumptions

Vistra does not publicly report CAPEX by specific fuel type. The CAPEX provided is the total nuclear spend for the reporting year of 2023.



California CaT - ETS

% of Scope 1 emissions covered by the ETS
2

% of Scope 2 emissions covered by the ETS
0

Period start date
January 1 2022

Period end date
December 31 2022

Allowances allocated
0

Allowances purchased
17138000

Verified Scope 1 emissions in metric tons CO2e
1900178

Verified Scope 2 emissions in metric tons CO2e

Details of ownership
Facilities we own and operate

Comment
The emissions are equity adjusted.

Massachusetts state ETS

% of Scope 1 emissions covered by the ETS
1.2

% of Scope 2 emissions covered by the ETS

Period start date
January 1 2022

Period end date
December 31 2022

Allowances allocated
0

Allowances purchased
3830830

Verified Scope 1 emissions in metric tons CO2e
1155772

Verified Scope 2 emissions in metric tons CO2e

Details of ownership
Facilities we own and operate

Comment
The emissions are equity adjusted.

RGGI - ETS

% of Scope 1 emissions covered by the ETS
8.6

% of Scope 2 emissions covered by the ETS

Period start date
January 1 2022

Period end date
December 31 2022

Allowances allocated
0

Allowances purchased
45799000

Verified Scope 1 emissions in metric tons CO2e
8163232

Verified Scope 2 emissions in metric tons CO2e

Details of ownership
Facilities we own and operate

Comment
The emissions are equity adjusted.

(C15.2) Has your organization made a public commitment and/or endorsed any initiatives related to biodiversity?

	Indicate whether your organization made a public commitment or endorsed any initiatives related to biodiversity	Biodiversity-related public commitments	Initiatives endorsed
Row 1	No, but we plan to do so within the next 2 years	<Not Applicable>	<Not Applicable>

C15.3

(C15.3) Does your organization assess the impacts and dependencies of its value chain on biodiversity?

Impacts on biodiversity

Indicate whether your organization undertakes this type of assessment
No, but we plan to wi

	Indicate whether your organization made a public commitment or endorsed any initiatives related to biodiversity	Biodiversity-related public commitments	Initiatives endorsed

	Indicate whether your organization made a public commitment or endorsed any initiatives related to biodiversity	Biodiversity-related public commitments	Initiatives endorsed



