Evergy, Inc. - Climate Change 2021

C0. Introduction

C0.1

(C0.1) Give a general description and introduction to your organization.

Evergy, Inc. (NYSE: EVRG), provides clean, safe, and reliable energy to approximately 1.6 million customers in Kansas and Missouri. Today, half the power supplied to homes and businesses by Evergy comes from emission free sources, creating more reliable energy with less impact to the environment. Evergy is committed to delivering safe, reliable, affordable, and sustainable energy to customers while employing a diverse workforce, being a great place to work for employees, and supporting the communities we serve. Sustainability is important to us and has consistently been at the forefront of what we do. Since 2005, we reduced carbon emissions by 51 percent, and sulfur dioxide and nitrogen oxide by 98 percent and 89 percent, respectively. We have received numerous awards for innovative and sustainable business practices, and we regularly work with our stakeholders in an effort to sustainably operate our business. Additionally, we have made significant gains in adding renewable energy assets to our generation portfolio and plan to add even more.

C0.2

(C0.2) State the start and end date of the year for which you are reporting data.

	Start date	End date	Indicate if you are providing emissions data for past reporting years	Select the number of past reporting years you will be providing emissions data for
Reporting year	January 1 2020	December 31 2020	Yes	2 years

C0.3

(C0.3) Select the countries/areas for which you will be supplying data.

United States of America

C0.4

(C0.4) Select the currency used for all financial information disclosed throughout your response.

USD

C1. Governance

C1.1

(C1.1) Is there board-level oversight of climate-related issues within your organization?

Yes

C1.2

(C1.2) Provide the highest management-level position(s) or committee(s) with responsibility for climate-related issues.

Name of the position(s) and/or committee(s)	Reporting line	Responsibility	Coverage of responsibility	Frequency of reporting to the board on climate-related issues
Other C-Suite Officer, please specify (Chief Compliance Officer)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	As important matters arise
Chief Financial Officer (CFO)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	As important matters arise
Chief Executive Officer (CEO)	<Not Applicable>	Both assessing and managing climate-related risks and opportunities	<Not Applicable>	As important matters arise

C1.3

(C1.3) Do you provide incentives for the management of climate-related issues, including the attainment of targets?

	Provide incentives for the management of climate-related issues	Comment
Row 1	Yes	Evergy's five-year "Sustainability Transformation Plan," or STP, seeks to optimize and enhance value creation for shareholders, customers, communities and employees. The STP also enhances Evergy's efforts to mitigate future strategic risk through the responsible and accelerated reduction of CO2 emissions. In April 2021, and related to the STP, Evergy announced a goal to achieve net-zero carbon emissions by 2045, which includes an interim goal of a 70% reduction of CO2 emissions from 2005 levels by 2030. Evergy's annual executive cash incentive plan includes a discretionary modifier that allows Evergy's Compensation and Leadership Development Committee to adjust annual payouts up, or down, by 10% based on a discretionary assessment of achievement towards STP objectives, including potentially carbon reduction targets or steps taken in furtherance thereof.

C2. Risks and opportunities

C2.1

(C2.1) Does your organization have a process for identifying, assessing, and responding to climate-related risks and opportunities?
Yes

C2.3

(C2.3) Have you identified any inherent climate-related risks with the potential to have a substantive financial or strategic impact on your business?
Yes

C2.3a

(C2.3a) Provide details of risks identified with the potential to have a substantive financial or strategic impact on your business.

Identifier
Risk 1

Where in the value chain does the risk driver occur?
Direct operations

Risk type & Primary climate-related risk driver

Acute physical	Increased severity and frequency of extreme weather events such as cyclones and floods

Primary potential financial impact
Other, please specify (Direct cost, Indirect (operational) cost, capital cost.)

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
Damage caused by extreme weather events to Evergy's power delivery infrastructure impacts reliability and has the potential to create safety risks to customers, employees and the public at large. Evergy considers acute impacts when evaluating capital investments impacting reliability, especially as field assets age and become less reliable. Extreme weather increases compliance risks by increasing the likelihood that oil and other chemicals are improperly released into the environment when power delivery equipment or chemical containers at generating stations are damaged or destroyed by weather. Compliance penalties, cleanup costs, and reputational impacts are all considered. Extreme weather impacts Evergy's information technology infrastructure assets, which perform critical business functions and are vulnerable to damage, disruptions, or shutdowns due to these extreme weather events. Extreme weather events across the nation can impact Evergy's service territory. Due to the interconnected nature of the regional and national grid, acute weather outside of Evergy's service territory can impact Evergy's customers. At times Evergy is required to deploy resources otherwise allocated to its own customers to support critical regional and national needs.

Time horizon
Short-term

Likelihood
More likely than not

Magnitude of impact
Medium

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost of response to risk

Description of response and explanation of cost calculation

Comment

Identifier
Risk 2

Where in the value chain does the risk driver occur?
Direct operations

Risk type & Primary climate-related risk driver

Chronic physical	Changes in precipitation patterns and extreme variability in weather patterns

Primary potential financial impact
Other, please specify (Direct cost, Indirect (operational) cost, capital cost.)

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
Longer duration and chronic climate events, such as regional drought and increasing periods of extreme heat or cold, creates vulnerability not only within Evergy's own generation and power delivery infrastructure but also amongst our regional peers. Regional drought specifically impacts water resources needed to operate power plants. Without adequate water, the company runs the risk of being forced to operate power plants at reduced capacity, which is less efficient and less reliable; therefore, negatively impacting shareholders and customers. Evergy's operations span a large geographic region, and the company takes great care to maintain and preserve biological habitats. Climate change can negatively impact ecosystems and adversely impact threatened and endangered species in Evergy's service territory, making it more difficult to site and operate transmission and renewable generation projects.

Time horizon
Short-term

Likelihood
More likely than not

Magnitude of impact
Low

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost of response to risk

Description of response and explanation of cost calculation

Comment

Identifier
Risk 3

Where in the value chain does the risk driver occur?
Direct operations

Risk type & Primary climate-related risk driver

Technology	Substitution of existing products and services with lower emissions options

Primary potential financial impact
Decreased asset value or asset useful life leading to write-offs, asset impairment or early retirement of existing assets

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
As Evergy works toward a lower carbon future, transitioning the generation fleet creates potential financial and reliability risks. The company endeavors to make prudent, yet extremely long-lived, investment decisions, understanding that regulators will determine investment recovery. Regional transmission organizations, such as the Southwest Power Pool, determine which generation resources are dispatched, and the expansion of renewable energy has decreased the utilization of some non-renewable assets. This could result in certain assets being considered for retirement before they are fully depreciated, which could create the need to manage the cost of un-recovered assets. Public attention is currently focused on transitioning to a low carbon future, including reducing greenhouse gas emissions and closing coal-fired generating units. Diversity of fuel supply has historically provided cost, risk, and reliability benefits. For example, because renewable generation is intermittent, diversity of

baseload generation, including a mix of coal and natural gas, has helped to maintain a consistent availability of power.

Time horizon
Short-term

Likelihood
About as likely as not

Magnitude of impact
Medium

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost of response to risk

Description of response and explanation of cost calculation

Comment

Identifier
Risk 4

Where in the value chain does the risk driver occur?
Direct operations

Risk type & Primary climate-related risk driver

Emerging regulation	Mandates on and regulation of existing products and services

Primary potential financial impact
Other, please specify (Direct cost, Indirect (operational) cost, capital cost.)

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
Unsettled, frequently changing, and potentially conflicting federal, state, and local public policy decisions can make it challenging to create and execute on long-term carbon reduction strategies, economic development initiatives, and customer programs. Each change in policy requires review and analysis of operations and long-term strategies to ensure compliance with applicable underlying existing laws and regulations, as well as development of a prudent plan to comply with proposed policy changes. In turn, this has a significant impact on the way the company evaluates the prudency of long-term investments to support public policy goals.

Time horizon
Short-term

Likelihood
Likely

Magnitude of impact
Medium-high

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost of response to risk

Description of response and explanation of cost calculation

Comment

Identifier
Risk 5

Where in the value chain does the risk driver occur?
Direct operations

Risk type & Primary climate-related risk driver

Reputation	Increased stakeholder concern or negative stakeholder feedback

Primary potential financial impact
Decreased access to capital

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
The expenses Evergy incurs to obtain the capital needed to operate its business and to mitigate risks are directly correlated with the views of the investment and financial communities with respect to Evergy's strategy. Tax legislation or regulatory changes that could result in the adoption of a carbon tax for the industry, or legislation that can impact past investments in renewable assets that assumed long-term tax credits, can adversely impact costs, customer rates, and the company's financial results. Assessment of risk premiums by insurance carriers on companies with a greater exposure to carbon-based generation. Evergy currently maintains adequate insurance, but there is a risk of increasing premiums and a reduction in the number of available insurance carriers, both of which can increase the cost of insuring Evergy's operations. Other financial providers may also add risk premiums or otherwise increase the cost of capital required to fund the company's ongoing capital investments and financial requirements, which can adversely impact costs, customer rates, and/or the company's financial results. Failure to adequately evaluate and disclose climate risks and engage appropriately with external stakeholders could result in diminished reputation. This, in turn, could negatively affect our ability to access capital markets or cause us to receive less favorable terms and conditions in our financial and other contracts and agreements.

Time horizon
Short-term

Likelihood
About as likely as not

Magnitude of impact
Medium

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost of response to risk

Description of response and explanation of cost calculation

Comment

Identifier
Risk 6

Where in the value chain does the risk driver occur?
Downstream

Risk type & Primary climate-related risk driver

Market	Changing customer behavior

Primary potential financial impact
Other, please specify (Decreased customer satisfaction negatively impacting economic development and stifling load growth.)

Climate risk type mapped to traditional financial services industry risk classification
<Not Applicable>

Company-specific description
There are also risks associated with public policy changes that impact Evergy's economic development and customer programs. These risks are transitional in nature and are associated with meeting large customer expectations regarding access to renewables programs and their own performance with respect to ESG metrics. Conflicting customer priorities regarding Evergy's generation transition may make it more difficult to predict and satisfy customer expectations. Costs prudently incurred to provide utility service and a reasonable return on invested capital are subject to changing regulatory decisions, thus making it potentially more difficult to deliver the most beneficial programs, products, and services to customers.

Time horizon
Short-term

Likelihood
Likely

Magnitude of impact
Medium

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)

<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost of response to risk

Description of response and explanation of cost calculation

Comment

C2.4

(C2.4) Have you identified any climate-related opportunities with the potential to have a substantive financial or strategic impact on your business?
Yes

C2.4a

(C2.4a) Provide details of opportunities identified with the potential to have a substantive financial or strategic impact on your business.

Identifier
Opp1

Where in the value chain does the opportunity occur?
Direct operations

Opportunity type
Resilience

Primary climate-related opportunity driver
Other, please specify (Use of more efficient production and distribution processes)

Primary potential financial impact
Reduced indirect (operating) costs

Company-specific description
Evergy invests significant resources in managing the vegetation that surrounds its infrastructure. Although extreme weather can significantly impact operations, frequently it is the interaction of this extreme weather with the trees and other surrounding vegetation that results in outages. Evergy believes that historic investments in these programs have improved grid performance and provided significant value to customers.

Time horizon
Short-term

Likelihood
Likely

Magnitude of impact
Low

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Comment

Identifier
Opp2

Where in the value chain does the opportunity occur?
Direct operations

Opportunity type
Resource efficiency

Primary climate-related opportunity driver
Reduced water usage and consumption

Primary potential financial impact
Other, please specify (Increased efficiency of production.)

Company-specific description
Evergy manages quantitative water risk associated with operations through a combination of water supply rights, water drought assurance contracts, winter weather readiness programs that address frozen water sources, and water conservation practices. Each facility has procured water rights in excess of the amounts that Evergy anticipates it needs to operate at full capacity. Where available and when appropriate, potential drought mitigation is achieved through the additional contracting of assurance water from upstream water reservoirs. Evergy recognizes it is a significant water user in the region and will continue its commitment to securing water supply and reducing water use through conservation and system modifications. In addition, Evergy monitors water utilization and continually evaluates and implements projects that reduce water use and impact, making prudent engineering decisions to optimize performance.

Time horizon
Short-term

Likelihood
Likely

Magnitude of impact
Low

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Comment

Identifier
Opp3

Where in the value chain does the opportunity occur?
Direct operations

Opportunity type
Resilience

Primary climate-related opportunity driver
Other, please specify (Geographic Stability)

Primary potential financial impact
Increased revenues resulting from increased demand for products and services

Company-specific description
Evergy is not immune to the impact of physical changes related to climate, but the location of its service territory provides many unique geographic advantages that help insulate it from more extreme physical risks. For example, Evergy's service territory is not susceptible to the direct impact of hurricanes, is not directly impacted by changing sea levels, has a relatively low degree of exposure to significant earthquakes, and generally has relatively moderate winter conditions. As a result, Evergy's service territory is a desirable location for numerous industrial customers (e.g., data centers and manufacturing facilities). In addition, Evergy's multistate service territory provides both Evergy and its large Industrial customers access to a skilled workforce.

Time horizon
Medium-term

Likelihood
About as likely as not

Magnitude of impact
Unknown

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Comment

Identifier
Opp4

Where in the value chain does the opportunity occur?
Direct operations

Opportunity type
Energy source

Primary climate-related opportunity driver
Use of lower-emission sources of energy

Primary potential financial impact
Other, please specify (We see this impact being very broad, equally impacting Direct and Indirect costs, increasing revenue, increasing access to capital, increasing portfolio diversification, and returning an investment on low emitting generation assets.)

Company-specific description
Since 2005, Evergy has added almost 4,400 megawatts of renewables, while retiring more than 2,400 megawatts of fossil generation. Evergy evaluates many different renewable energy options on an ongoing basis to determine a balanced mix of solar, wind, and other renewable sources.

Time horizon
Short-term

Likelihood
Virtually certain

Magnitude of impact
High

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Comment

Identifier
Opp5

Where in the value chain does the opportunity occur?
Downstream

Opportunity type
Products and services

Primary climate-related opportunity driver
Development of new products or services through R&D and innovation

Primary potential financial impact
Increased revenues resulting from increased demand for products and services

Company-specific description
Customers benefit from Evergy's advanced metering infrastructure (AMI), as it provides the foundational system for grid modernization programs. The AMI system equips Evergy with data from the distribution system that enables it to offer new programs and creative rate structures for customers that previously were not available due to technological limitations. These solutions positively impact customer satisfaction and enable Evergy to deliver energy in ways that provide customers with options to fit their unique need and habits. In addition, Evergy is currently reviewing program options and technology associated with grid hardening, distribution system management along with distribution automation and distributed generation. As its energy future continues to change with technological advancement, customers will increasingly expect that the Company to anticipate their energy needs and help them manage their energy requirements in a more efficient, environmentally conscious manner. The AMI system is a significant enabler to help Evergy meet that challenge. In addition, Evergy's Energy Solutions Program continuously works to create and provide many opportunities for our customers, big and small. Evergy works to lead discussions within the legislative and regulatory frameworks with the goal of turning good policies into tools for our customers. Active engagement with both the Kansas and Missouri legislatures allows for constructive compromises that lead to attractive solutions and favorable regulatory decisions to allow many of the programs we currently offer. These programs are outlined in our most recent Sustainability Report.

Time horizon
Short-term

Likelihood
Virtually certain

Magnitude of impact
Low

Are you able to provide a potential financial impact figure?
No, we do not have this figure

Potential financial impact figure (currency)
<Not Applicable>

Potential financial impact figure – minimum (currency)
<Not Applicable>

Potential financial impact figure – maximum (currency)
<Not Applicable>

Explanation of financial impact figure

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation

Comment

C3. Business Strategy

C3.1

(C3.1) Have climate-related risks and opportunities influenced your organization's strategy and/or financial planning?
Yes, and we have developed a low-carbon transition plan

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

Year target was set
2019

Target coverage
Company-wide

Scope(s) (or Scope 3 category)
Scope 1

Base year
2005

Covered emissions in base year (metric tons CO2e)
48455198

Covered emissions in base year as % of total base year emissions in selected Scope(s) (or Scope 3 category)
100

Target year
2050

Targeted reduction from base year (%)
80

Covered emissions in target year (metric tons CO2e) [auto-calculated]
9691039.6

Covered emissions in reporting year (metric tons CO2e)
23951700

% of target achieved [auto-calculated]
63.2117373661336

Target status in reporting year
Replaced

Is this a science-based target?
Yes, we consider this a science-based target, but it has not been approved by the Science-Based Targets initiative

Target ambition
2°C aligned

Please explain (including target coverage)

Target reference number
Abs 2

Year target was set
2021

Target coverage
Company-wide

Scope(s) (or Scope 3 category)
Scope 1+2 (location-based)

Base year
2005

Covered emissions in base year (metric tons CO2e)
48455198

Covered emissions in base year as % of total base year emissions in selected Scope(s) (or Scope 3 category)
100

Target year
2045

Targeted reduction from base year (%)
100

Covered emissions in target year (metric tons CO2e) [auto-calculated]
0

Covered emissions in reporting year (metric tons CO2e)
23951700

% of target achieved [auto-calculated]
50.5693898929068

Target status in reporting year
Underway

Is this a science-based target?
Yes, we consider this a science-based target, but it has not been approved by the Science-Based Targets initiative

Target ambition
Well-below 2°C aligned

Please explain (including target coverage)
Target was set early in 2021 as part of our regulated utility required Integrated Resource Plan, which is a 20 year planning process. Absolute target that includes company wide emissions in our service territory. Includes emissions associated with power purchase agreements to meet native load.

Target reference number
Abs 3

Year target was set
2021

Target coverage
Company-wide

Scope(s) (or Scope 3 category)
Scope 1+2 (location-based)

Base year
2005

Covered emissions in base year (metric tons CO2e)
48455198

Covered emissions in base year as % of total base year emissions in selected Scope(s) (or Scope 3 category)
100

Target year
2030

Targeted reduction from base year (%)
70

Covered emissions in target year (metric tons CO2e) [auto-calculated]
14536559.4

Covered emissions in reporting year (metric tons CO2e)
23951700

% of target achieved [auto-calculated]
72.2419855612955

Target status in reporting year
Underway

Is this a science-based target?
Yes, we consider this a science-based target, but it has not been approved by the Science-Based Targets initiative

Target ambition
Well-below 2°C aligned

Please explain (including target coverage)
Target was set early in 2021 as part of our regulated utility required Integrated Resource Plan, which is a 20 year planning process. Absolute target that includes company wide emissions in our service territory. Includes emissions associated with power purchase agreements to meet native load.

C4.2

(C4.2) Did you have any other climate-related targets that were active in the reporting year?
Net-zero target(s)

C4.2c

(C4.2c) Provide details of your net-zero target(s).

Target reference number
NZ1

Target coverage
Company-wide

Absolute/intensity emission target(s) linked to this net-zero target
Abs2

Target year for achieving net zero
2045

Is this a science-based target?
Yes, but we have not committed to seek validation of this target by the Science Based Targets initiative in the next 2 years

Please explain (including target coverage)
Target was set early in 2021 as part of our regulated utility required Integrated Resource Plan, which is a 20 year planning process. Absolute target that includes company wide emissions in our service territory. Includes emissions associated with power purchase agreements to meet native load. Assuming key technology, policy and regulatory enables are in place.

C4.3

(C4.3) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.
Yes

C4.3b

(C4.3b) Provide details on the initiatives implemented in the reporting year in the table below.

Initiative category & Initiative type

Low-carbon energy generation	Wind

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s)
Scope 1

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

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

Payback period
Please select

Estimated lifetime of the initiative
Please select

Comment

Initiative category & Initiative type

Low-carbon energy generation	Solar PV

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s)
Scope 1

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

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

Payback period
Please select

Estimated lifetime of the initiative
Please select

Comment

Initiative category & Initiative type

Other, please specify	Other, please specify (Building Energy Exchange Program)

Estimated annual CO2e savings (metric tonnes CO2e)

Scope(s)
Scope 1
Scope 3

Voluntary/Mandatory
Voluntary

Annual monetary savings (unit currency – as specified in C0.4)

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

Payback period
Please select

Estimated lifetime of the initiative
Please select

Comment
Building Energy Exchange Program - invested in local city program to fund building energy efficiency improvements, reducing customer demand.

C5. Emissions methodology

C5.2

(C5.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.
US EPA Mandatory Greenhouse Gas Reporting Rule

C6. Emissions data

C6.1

(C6.1) What were your organization's gross global Scope 1 emissions in metric tons CO2e?

Reporting year

Gross global Scope 1 emissions (metric tons CO2e)
23951700

Start date
January 1 2020

End date
December 31 2020

Comment

Past year 1

Gross global Scope 1 emissions (metric tons CO2e)
23434630

Start date
January 1 2019

End date
December 31 2019

Comment

Past year 2

Gross global Scope 1 emissions (metric tons CO2e)
29716109

Start date
January 1 2018

End date
December 31 2018

Comment

C6.2

(C6.2) Describe your organization's approach to reporting Scope 2 emissions.

Row 1

Scope 2, location-based
We are not reporting a Scope 2, location-based figure

Scope 2, market-based
We have operations where we are able to access electricity supplier emission factors or residual emissions factors, but are unable to report a Scope 2, market-based figure

Comment
We are in the process of quantifying our Scope 2 emissions but it would be a location based figure.

C6.3

(C6.3) What were your organization's gross global Scope 2 emissions in metric tons CO2e?

Reporting year

Scope 2, location-based
<Not Applicable>

Scope 2, market-based (if applicable)
<Not Applicable>

Start date

End date

Comment

Past year 1

Scope 2, location-based
<Not Applicable>

Scope 2, market-based (if applicable)
<Not Applicable>

Start date

End date

Comment

Past year 2

Scope 2, location-based
<Not Applicable>

Scope 2, market-based (if applicable)
<Not Applicable>

Start date

End date

Comment

C6.5

(C6.5) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.

Purchased goods and services

Evaluation status
Not evaluated

Metric tonnes 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

Capital goods

Evaluation status
Not evaluated

Metric tonnes 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

Fuel-and-energy-related activities (not included in Scope 1 or 2)

Evaluation status
Not evaluated

Metric tonnes 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

Upstream transportation and distribution

Evaluation status
Not evaluated

Metric tonnes 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

Waste generated in operations

Evaluation status
Not evaluated

Metric tonnes 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

Business travel

Evaluation status
Not evaluated

Metric tonnes 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

Employee commuting

Evaluation status
Not evaluated

Metric tonnes 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

Upstream leased assets

Evaluation status
Not evaluated

Metric tonnes 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

Downstream transportation and distribution

Evaluation status
Not evaluated

Metric tonnes 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

Processing of sold products

Evaluation status
Not evaluated

Metric tonnes 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

Use of sold products

Evaluation status
Not evaluated

Metric tonnes 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

End of life treatment of sold products

Evaluation status
Not evaluated

Metric tonnes 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

Downstream leased assets

Evaluation status
Not evaluated

Metric tonnes 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

Franchises

Evaluation status
Not evaluated

Metric tonnes 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

Investments

Evaluation status
Not evaluated

Metric tonnes 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

Other (upstream)

Evaluation status
Not evaluated

Metric tonnes 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

Other (downstream)

Evaluation status
Not evaluated

Metric tonnes 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

C6.10

(C6.10) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Intensity figure
0.493

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)
23951700

Metric denominator
megawatt hour generated (MWh)

Metric denominator: Unit total
48495648

Scope 2 figure used
Please select

% change from previous year
8

Direction of change
Decreased

Reason for change
Reduced CO2 emissions, increased CO2 free MWh. Numerator does not include Scope 2 emissions.

C7. Emissions breakdowns

C7.9

(C7.9) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?
Decreased

C8. Energy

C8.2

(C8.2) Select which energy-related activities your organization has undertaken.

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Yes
Consumption of purchased or acquired electricity	Yes
Consumption of purchased or acquired heat	No
Consumption of purchased or acquired steam	No
Consumption of purchased or acquired cooling	No
Generation of electricity, heat, steam, or cooling	Yes

C8.2a

(C8.2a) Report your organization's energy consumption totals (excluding feedstocks) in MWh.

	Heating value	MWh from renewable sources	MWh from non-renewable sources	Total (renewable and non-renewable) MWh
Consumption of fuel (excluding feedstock)	Unable to confirm heating value	10197	24472920	24483117
Consumption of purchased or acquired electricity	<Not Applicable>	12222508		12222508
Consumption of purchased or acquired heat	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired steam	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of purchased or acquired cooling	<Not Applicable>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Consumption of self-generated non-fuel renewable energy	<Not Applicable>	1847141	<Not Applicable>	1847141
Total energy consumption	<Not Applicable>	14079846	34415802	48495648

C12. Engagement

C12.1

(C12.1) Do you engage with your value chain on climate-related issues?

Yes, our suppliers
Yes, our customers
Yes, other partners in the value chain

C15. Signoff

C-FI

(C-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.

C15.1

(C15.1) Provide details for the person that has signed off (approved) your CDP climate change response.

	Job title	Corresponding job category
Row 1	Chief Compliance Officer	Other C-Suite Officer

SC. Supply chain module

SC0.0

(SC0.0) If you would like to do so, please provide a separate introduction to this module.

SC0.1

(SC0.1) What is your company's annual revenue for the stated reporting period?

	Annual Revenue
Row 1	

SC0.2

(SC0.2) Do you have an ISIN for your company that you would be willing to share with CDP?

SC1.1

(SC1.1) Allocate your emissions to your customers listed below according to the goods or services you have sold them in this reporting period.

SC1.2

(SC1.2) Where published information has been used in completing SC1.1, please provide a reference(s).

SC1.3

(SC1.3) What are the challenges in allocating emissions to different customers, and what would help you to overcome these challenges?

Allocation challenges	Please explain what would help you overcome these challenges

SC1.4

(SC1.4) Do you plan to develop your capabilities to allocate emissions to your customers in the future?

SC2.1

(SC2.1) Please propose any mutually beneficial climate-related projects you could collaborate on with specific CDP Supply Chain members.

SC2.2

(SC2.2) Have requests or initiatives by CDP Supply Chain members prompted your organization to take organizational-level emissions reduction initiatives?

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I am submitting to	Public or Non-Public Submission	Are you ready to submit the additional Supply Chain questions?
I am submitting my response	Investors Customers	Public	Yes, I will submit the Supply Chain questions now

Please confirm below

I have read and accept the applicable Terms