Americold Logistics Inc - Climate Change 2023

C0. Introduction

C0.1

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

Americold Realty Trust, Inc. (NYSE: COLD) is a global leader in temperature-controlled logistics real estate and value-added services focused on the ownership, operation, acquisition, and development of temperature-controlled warehouses. As of December 31, 2022, we operate 242 facilities, encompassing approximately 1.4 billion cubic feet of space and approximately 5 million pallet positions. Americold is proud to operate as a multi-national company, serving customers in 12 countries: Argentina, Australia, Austria, Canada, Ireland, The Netherlands, New Zealand, Poland, Portugal, Spain, the United Kingdom, and the United States.

C0.2

(C0.2) State the start and end date of the year for which you are reporting data and indicate whether you will be providing emissions data for past reporting years.

Reporting year

Start date
January 1 2022

End date
December 31 2022

Indicate if you are providing emissions data for past reporting years
Yes

Select the number of past reporting years you will be providing Scope 1 emissions data for
1 year

Select the number of past reporting years you will be providing Scope 2 emissions data for
1 year

Select the number of past reporting years you will be providing Scope 3 emissions data for
1 year

C0.3

(C0.3) Select the countries/areas in which you operate.
Argentina
Australia
Austria
Canada
Ireland
Netherlands
New Zealand
Poland
Portugal
Spain
United Kingdom of Great Britain and Northern Ireland
United States of America

C0.4

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

C0.5

(C0.5) Select the option that describes the reporting boundary for which climate-related impacts on your business are being reported. Note that this option should align with your chosen approach for consolidating your GHG inventory.
Operational control

C0.8

(C0.8) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

Indicate whether you are able to provide a unique identifier for your organization	Provide your unique identifier
Yes, an ISIN code	US03064D1081

C1. Governance

C1.1

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

Yes

C1.1a

(C1.1a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for climate-related issues.

Position of individual or committee	Responsibilities for climate-related issues
Chief Executive Officer (CEO)	Americold's CEO is the most senior employee responsible for the Company's ESG initiatives. The CEO is updated on ESG trends and topics on an ongoing basis through the ESG Committee. They use this information to review and approve goals and targets related to climate change.
Chief Financial Officer (CFO)	The CFO has a critical role to play in managing climate-related financial risks. They need to identify, assess, and mitigate these risks, as well as communicate climate risk information to stakeholders and comply with climate-related regulations and standards. By staying up-to-date on the latest climate risk research and analysis and managing climate risk, the CFO helps manage climate-related financial risks and protect long-term financial health.
Board-level committee	Americold's ESG Committee comprising Chief Financial Officer, Chief Human Resources Officer, Chief Legal Officer, SVP Investor Relations, Global VP Facilities, Maintenance & Energy, oversees the company's environmental, social, and governance (ESG) efforts, and the ESG Committee reports in to the Governance Committee at the Board Level. Americold's Nominating Committee, comprising Chief Financial Officer, Chief Human Resources Officer, Chief Legal Officer, SVP Investor Relations, Global VP Facilities, Maintenance & Energy, oversees the company's environmental, social, and governance (ESG) efforts. They have direct responsibility for the design, implementation, and compliance with Americold's ESG efforts. The ESG Committee is responsible for the ESG program at Americold and meets monthly, including proposal review/approval, strategy, and goal development, and communicating progress internally. The ESG Committee is a separate entity from any single department and represents our ESG stakeholders. ESG Committee members have direct access to the Board of Directors and the CEO, allowing for ease of communication and oversight at the highest levels of the company. The Energy and Sustainability Manager serves as secretary of the ESG Committee and is responsible for creating agendas and educating members on new legislation and updates to ESG ratings and scores.
Other C-Suite Officer	The Chief Legal Officer (CLO) leads the reporting to the governance committee, reviews relevant climate change legal frameworks, provides legal advice, negotiates climate-related contracts, drafts and reviews climate-related policies and procedures, represents the company in climate-related litigation, ensures regulatory compliance, and helps the company manage its climate-related risks. By carrying out these responsibilities, the CLO helps the company manage its climate change-related risks and protect its long-term legal health.
Other, please specify (Global Vice President, Engineering and Maintenance, Energy and Head of Sustainability)	The Global Vice President, Engineering and Maintenance, Energy and Head of Sustainability leads a team that is responsible for ensuring that the company's operations are environmentally friendly and transparent. This team oversees facilities' capital projects, energy operations, maintenance, and capital expenditures. They also partner with regional teams to deploy sustainability strategies, lead global reporting requirements, collect sustainability data, and serve on the ESG committee. In addition, the VP leads the global reporting requirements in accordance with ESG frameworks, such as CDP, GRI, and GRESB. The team is also responsible for collecting global sustainability data, training employees on how to use the data, and reporting on progress toward sustainability goals. He serves on the ESG committee and represent the committee at board meetings. Finally, the VP leads facilities engineering and sustainability due diligence for mergers and acquisitions, performing property condition assessments, and developing capital liability. They work to reduce greenhouse gas emissions, improve energy efficiency, and conserve natural resources. They also ensure that the company is transparent about its environmental impact and that it meets the requirements of international ESG frameworks.
Other, please specify (Sustainability Manager)	Our Sustainability Manager works to ensure a sustainable food system through lowering the carbon footprint of cold storage warehousing at Americold. Their work comprises of calculating, accounting and mitigating climate-related risks at Americold logistics sites through implementing low-carbon and environmentally sustainable projects.

C1.1b

(C1.1b) Provide further details on the board's oversight of climate-related issues.

Frequency with which climate-related issues are a scheduled agenda item	Governance mechanisms into which climate-related issues are integrated	Scope of board-level oversight	Please explain
Scheduled – all meetings	Reviewing and guiding annual budgets Overseeing major capital expenditures Overseeing acquisitions, mergers, and divestitures Reviewing innovation/R&D priorities Overseeing and guiding employee incentives Reviewing and guiding strategy Overseeing and guiding the development of a transition plan Monitoring the implementation of a transition plan Overseeing and guiding scenario analysis Overseeing the setting of corporate targets Monitoring progress towards corporate targets Overseeing and guiding public policy engagement Overseeing value chain engagement Reviewing and guiding the risk management process	<Not Applicable>	Americold's ESG Committee, comprising Chief Financial Officer, Chief Human Resources Officer, Chief Legal Officer, SVP Investor Relations, Global VP Facilities, Maintenance & Energy, oversees the company's environmental, social, and governance (ESG) efforts. They have direct responsibility for the design, implementation, and compliance with Americold's ESG efforts. The ESG Committee is responsible for the ESG program at Americold and meets monthly, including proposal review/approval, strategy, and goal development, and communicating progress internally. The ESG Committee is a separate entity from any single department and represents our ESG stakeholders. ESG Committee members have direct access to the Board of Directors and the CEO, allowing for ease of communication and oversight at the highest levels of the company. The Energy and Sustainability Manager served as secretary of the ESG Committee and was responsible for creating agendas and educating members on new legislation and updates to ESG ratings and scores. The Americold Board of Directors receives the annual ESG report and quarterly updates on the progress of ESG and climate-related programs including Science Based Targets, solar projects, LED retrofitting, and VFD upgrades.

C1.1d

(C1.1d) Does your organization have at least one board member with competence on climate-related issues?

	Board member(s) have competence on climate-related issues	Criteria used to assess competence of board member(s) on climate-related issues	Primary reason for no board-level competence on climate-related issues	Explain why your organization does not have at least one board member with competence on climate-related issues and any plans to address board-level competence in the future
Row 1	Yes	The competence of board members on climate-related issues is assessed based on their previous roles, educational achievements, and knowledge about climate change. The board members are informed of updates to the business strategy in relation to climate change. Other factors that may be considered include participation in climate-related training and education programs, involvement in climate-related initiatives outside of the company, and the ability to communicate effectively about climate change.	<Not Applicable>	<Not Applicable>

C1.2

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

Position or committee

Other, please specify (ESG Committee)

Climate-related responsibilities of this position
Managing annual budgets for climate mitigation activities
Managing major capital and/or operational expenditures related to low-carbon products or services (including R&D)
Integrating climate-related issues into the strategy
Setting climate-related corporate targets
Monitoring progress against climate-related corporate targets
Managing public policy engagement that may impact the climate
Assessing climate-related risks and opportunities
Managing climate-related risks and opportunities

Coverage of responsibilities
<Not Applicable>

Reporting line
CEO reporting line

Frequency of reporting to the board on climate-related issues via this reporting line
Quarterly

Please explain
Americold's Governance Committee, comprising four directors, provide feedback and counsel to the ESG Committee that direct the company's environmental, social, and governance (ESG) efforts. The ESG Committee has direct responsibility for the design, implementation, and compliance of Americold's ESG efforts. The ESG Committee is responsible for the ESG program at Americold and meets monthly, including proposal review/approval, strategy and goal development, and communicating progress internally. The ESG Committee is a separate entity from any single department and represents our ESG stakeholders. ESG Committee members have direct access to the Board of Directors and the CEO, allowing for ease of communication and oversight at the highest levels of the company. The Energy and Sustainability Manager serves as secretary of the ESG Committee and is responsible for creating agendas and educating members on new legislation and updates to ESG ratings and scores. The Americold Board of Directors receives the annual ESG report and quarterly updates on the progress of ESG and climate-related programs including Science Based Targets, solar projects, LED retrofitting, and VFD upgrades.

Position or committee
Chief Financial Officer (CFO)

Climate-related responsibilities of this position
Managing annual budgets for climate mitigation activities
Managing major capital and/or operational expenditures related to low-carbon products or services (including R&D)
Managing climate-related acquisitions, mergers, and divestitures

Coverage of responsibilities
<Not Applicable>

Reporting line
Finance - CFO reporting line

Frequency of reporting to the board on climate-related issues via this reporting line
Quarterly

Please explain
As the Chief Financial Officer (CFO), the climate-related responsibilities involve integrating sustainability into financial planning and budgeting processes, conducting climate risk assessments, ensuring transparent ESG reporting, pursuing green financing and investments, overseeing carbon accounting and emissions reduction strategies, ensuring compliance with climate regulations, conducting cost-benefit analyses for climate initiatives, engaging with stakeholders on climate matters, and developing long-term sustainability plans. The CFO plays a vital role in aligning financial strategies with sustainability goals, mitigating climate risks, and driving investments in environmentally responsible initiatives.

Position or committee
Other, please specify (Global Vice President, Engineering and Maintenance, Energy and Head of Sustainability)

Climate-related responsibilities of this position
Managing annual budgets for climate mitigation activities
Managing major capital and/or operational expenditures related to low-carbon products or services (including R&D)
Managing climate-related acquisitions, mergers, and divestitures
Providing climate-related employee incentives
Developing a climate transition plan
Implementing a climate transition plan
Integrating climate-related issues into the strategy
Conducting climate-related scenario analysis
Setting climate-related corporate targets
Monitoring progress against climate-related corporate targets
Managing public policy engagement that may impact the climate
Managing value chain engagement on climate-related issues
Assessing climate-related risks and opportunities
Managing climate-related risks and opportunities

Coverage of responsibilities
<Not Applicable>

Reporting line
CEO reporting line

Frequency of reporting to the board on climate-related issues via this reporting line
Quarterly

Please explain
The Global Vice President, Engineering and Maintenance, Energy, and Head of Sustainability, holds a crucial role in directing and overseeing a wide range of climate-related initiatives across 242 sites. Responsibilities encompass developing and implementing the Americold Operating System of Maintenance, Refrigeration, and Energy Excellence programs on a global scale, ensuring optimal operational readiness and facility uptime. Additionally, this position leads efforts aimed at optimizing energy

consumption, reducing greenhouse gas emissions, and implementing sustainable practices.

In alignment with Americold's climate goals and financial targets, this individual manages capital projects and investments that prioritize sustainability. Reporting progress on key environmental indicators, such as GHG emissions, energy use, and resource consumption, is a vital aspect of the role, and they ensure compliance with established ESG frameworks.

As a representative on the ESG committee, they actively participate in board meetings, contributing to the formulation of robust ESG strategies that drive positive change. Furthermore, the position plays a critical role in conducting sustainability due diligence for mergers and acquisitions, seamlessly integrating climate-focused systems to further enhance our commitment to sustainability.

Position or committee
Other C-Suite Officer, please specify (Chief Legal Officer)

Climate-related responsibilities of this position
Assessing climate-related risks and opportunities
Managing climate-related risks and opportunities

Coverage of responsibilities
<Not Applicable>

Reporting line
CEO reporting line

Frequency of reporting to the board on climate-related issues via this reporting line
More frequently than quarterly

Please explain
The CLO leads reporting responsibilities to the governance committee, reviews relevant climate change legal frameworks, provides legal advice, negotiates climate-related contracts, drafts and reviews climate-related policies and procedures, represents the company in climate-related litigation, ensures regulatory compliance, and helps the company manage its climate-related risks. By carrying out these responsibilities, the CLO helps the company manage its climate change-related risks and protect its long-term legal health.

Position or committee
Other C-Suite Officer, please specify (Chief Investment Officer)

Climate-related responsibilities of this position
Managing climate-related acquisitions, mergers, and divestitures
Managing public policy engagement that may impact the climate
Other, please specify (Investor Relations)

Coverage of responsibilities
<Not Applicable>

Reporting line
CEO reporting line

Frequency of reporting to the board on climate-related issues via this reporting line
Quarterly

Please explain
The Nominating and Corporate Governance Committee seeks candidates who will combine a broad spectrum of backgrounds, experience, skills and expertise and who would make a significant contribution to the Board, Americold and our stockholders. The Chief Investment Officer is responsible for leading Americold’s investment and other capital allocation activities. As the Chief Information Officer (CIO) of an organization, the climate-related responsibilities involve leveraging technology and data-driven strategies to support and advance the organization's climate action efforts. The CIO plays a critical role in implementing and managing systems that optimize energy efficiency, track and reduce carbon emissions, and enhance environmental sustainability throughout the organization's operations. This includes overseeing the integration of green technologies, such as renewable energy sources and energy-efficient hardware, and deploying data analytics to identify opportunities for emissions reduction and resource conservation. Additionally, the CIO collaborates with cross-functional teams to develop innovative solutions that address climate-related challenges, fosters a culture of environmental awareness, and ensures that digital transformation aligns with the organization's broader climate goals, contributing to a more sustainable and resilient future.

Position or committee
Other C-Suite Officer, please specify (Chief Human Resources Officer)

Climate-related responsibilities of this position
Managing public policy engagement that may impact the climate

Coverage of responsibilities
<Not Applicable>

Reporting line
CEO reporting line

Frequency of reporting to the board on climate-related issues via this reporting line
Quarterly

Please explain
The Chief Human Resources Officer serves on the ESG committee and works to help manage Americold's public commitments with regards to carbon reduction and environmental sustainability. Furthermore, the Chief Human Resources Officer is also responsible for the employee engagement program which ensures that Americold employees are aware of both their contributions to improve environmental sustainability and the company's role in managing climate change-related risks and ultimately protecting its long-term viability.

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	In our annual reviews, senior management is held accountable for our ESG goals through an annual appraisal process. This process defines specific environmental, sustainable, and social performances and goals for each function, and provides incentives through merit increases. Also, Senior staff with responsibility for ESG and sustainability issues have specific energy reduction goals as a component of their annual performance targets. Performance objectives are used for Senior Management, Fund/Portfolio Managers, Asset Managers, ESG Portfolio Managers, and dedicated ESG staff. Achieving those targets qualifies them for additional incentive compensation. Moreover, there are nonfinancial consequences that come into play. Depending on the success of selected initiatives, those individuals demonstrating superior performance can earn recognition in the form of awards, being highlighted and commended in internal newsletters, or other means as may be appropriate in the circumstances.

C1.3a

(C1.3a) Provide further details on the incentives provided for the management of climate-related issues (do not include the names of individuals).

Entitled to incentive
Other, please specify (Senior Management)

Type of incentive
Monetary reward

Incentive(s)
Bonus - % of salary
Bonus – set figure
Salary increase

Performance indicator(s)
Progress towards a climate-related target
Achievement of a climate-related target
Implementation of an emissions reduction initiative
Reduction in absolute emissions
Reduction in emissions intensity
Energy efficiency improvement
Increased share of low-carbon energy in total energy consumption
Increased share of renewable energy in total energy consumption
Reduction in total energy consumption
Increased investment in low-carbon R&D
Increased share of revenue from low-carbon products or services in product or service portfolio
Increased engagement with suppliers on climate-related issues
Increased engagement with customers on climate-related issues
Increased supplier compliance with a climate-related requirement
Increased value chain visibility (traceability, mapping, transparency)
Company performance against a climate-related sustainability index (e.g., DJSI, CDP Climate Change score etc.)
Implementation of employee awareness campaign or training program on climate-related issues

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

Further details of incentive(s)
Senior staff with responsibility for ESG and sustainability issues have specific energy reduction goals as a component of their annual performance targets. Achieving those targets qualifies them for additional incentive compensation.

Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan
Environmental, social, and governance (ESG) goals are important at Americold as these goals are part of our Company's vision and strategy, and hold us accountable to our communities, investors, and stakeholders. When taken together, ESG goals provide a collective vision for our future and the future of our global community. Our Executive Leadership team understands the importance of ESG as a global company and team members are held accountable for the adherence to these goals. As part of our annual review process, senior management is held accountable for our ESG goals through an annual evaluation process. This process defines specific goals for each function and provides incentives through merit increases.

Entitled to incentive
Other, please specify (Senior Management)

Type of incentive
Non-monetary reward

Incentive(s)
Internal company award
Internal team/employee of the month/quarter/year recognition

Performance indicator(s)
Reduction in absolute emissions
Reduction in emissions intensity
Energy efficiency improvement
Increased share of low-carbon energy in total energy consumption
Increased share of renewable energy in total energy consumption
Reduction in total energy consumption
Increased investment in low-carbon R&D
Increased share of revenue from low-carbon products or services in product or service portfolio
Increased engagement with suppliers on climate-related issues
Increased engagement with customers on climate-related issues
Increased supplier compliance with a climate-related requirement
Increased value chain visibility (traceability, mapping, transparency)
Company performance against a climate-related sustainability index (e.g., DJSI, CDP Climate Change score etc.)
Implementation of employee awareness campaign or training program on climate-related issues

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

Further details of incentive(s)
In addition, there are non-financial consequences that come into play. Depending on the success of selected initiatives, those individuals demonstrating superior performance would earn recognition throughout the organization in the form of awards, being highlighted and commended in internal newsletters, or other such means as may be appropriate in the circumstances.

Explain how this incentive contributes to the implementation of your organization's climate commitments and/or climate transition plan

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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

C2.1a

(C2.1a) How does your organization define short-, medium- and long-term time horizons?

	From (years)	To (years)	Comment
Short-term	0	3	
Medium-term	3	8	
Long-term	8	28	

C2.1b

(C2.1b) How does your organization define substantive financial or strategic impact on your business?

Americold defines substantive financial or strategic impacts as those that have the potential to materially and adversely affect our business, financial condition, results of operations, cash flow, ability to make distributions, and the market value of our securities. Our sites, as well as our investments in unconsolidated entities, are located globally and could be negatively impacted by various risks, including those caused by climate change. Refer to our Annual Report on Form 10-K as filed with the SEC for a summary and detail of the risks related to our business. Specifically, refer to pages 36 to 40 of our Annual Report on Form 10-K for risks related to climate change that could have a material adverse effect on our results of operations. As a global organization, Americold seeks to address the potential impacts of climate change at our facilities through risk mitigation planning and proactive preparation. We evaluate the risk for extreme weather made more likely due to climate change including flood, hail, wind, and snow. We also recognize that these weather events can impact our power security and water security by impacting the grid and municipal water systems that we use daily in our business operations.

Americold's description of the quantifiable indicator(s) used to define substantive financial or strategic impact: Quantifiable indicators for climate-related risks would include financial losses (both revenue and expenses) due to supply chain issues that impact our ability to run our business or develop properties stemming from climate change and natural disasters, as well as financial losses due to building damage, the inability to utilize or develop properties due to natural disasters or climate change. For the purposes of CDP reporting specifically, Americold would consider an event as potentially resulting in a substantive financial or strategic impact if it were to significantly impact AFFO, Core EBITDA, market capitalization, and liquidity, among a number of other quantifiable indicators and factors pertaining to the specific circumstance.

C2.2

(C2.2) Describe your process(es) for identifying, assessing and responding to climate-related risks and opportunities.

Value chain stage(s) covered
Direct operations

Risk management process
Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment
Annually

Time horizon(s) covered
Short-term
Long-term

Description of process
Americold uses a comprehensive approach to identifying, assessing, and responding to climate-related risks and opportunities. The company first identifies potential risks through a variety of methods, including internal risk assessments, external research, and feedback from stakeholders. Americold's Maintenance & Energy teams use a continuous improvement process to evaluate facilities and identify opportunities to reduce energy and water usage. For example, Energy Waste Walks performed quarterly at our sites identify no- or low-cost energy savings opportunities in lighting, office behaviors, warehouse spaces, equipment, and more. Once potential risks have been identified, they are assessed for likelihood and severity. The company uses a variety of factors to assess risk, including the company's exposure to the risk, the potential impact of the risk, and the company's ability to mitigate the risk.

After assessing the risks, Americold develops mitigation strategies. These strategies are designed to reduce the likelihood or severity of climate-related risks. For example, Americold has installed hail-resistant roof assemblies at its facilities to mitigate the risk of damage from hailstorms. The company also has contingency plans for dealing with power outages caused by extreme weather events.

Americold also identifies and assesses transition risks. These are risks that arise from the transition to a low-carbon economy. For example, Americold could face increased costs for energy and water if it does not take steps to reduce its reliance on fossil fuels. The company also faces the risk of regulatory changes that could impact its business.

After identifying and assessing both physical and transition risks, Americold implements mitigation strategies. The company monitors and reviews its climate-related risk management process on an ongoing basis. This ensures that Americold is taking the necessary steps to protect itself from the impacts of climate change.

Americold's approach to climate change is proactive and comprehensive. The company is committed to identifying and managing climate-related risks, and it is taking steps to adapt to the changing climate. This approach will help Americold to remain a sustainable and successful business in the years to come.

Value chain stage(s) covered
Upstream

Risk management process
Integrated into multi-disciplinary company-wide risk management process

Frequency of assessment
Not defined

Time horizon(s) covered
Short-term
Medium-term
Long-term

Description of process
All Americold associates and third-party representatives are expected to act in a manner that reflects the values outlined in our Code of Conduct and Supplier Code of Conduct.

A number of factors influence our reputation and brand value, including how we are perceived by our customers, business partners, investors, associates, other stakeholders, and the communities in which we do business. We face increasing scrutiny related to environmental, social, and governance (“ESG”) activities and disclosures and risk damage to our reputation if we fail to act appropriately and responsibly in ESG matters, including, among others, environmental stewardship, supply chain management, climate change, human rights, diversity and inclusion, workplace ethics and conduct, philanthropic activity, and support for the communities we serve and in which we operate. Any damage to our reputation could impact the willingness of our business partners and customers to do business with us, or could negatively impact our associate hiring, engagement and retention, all of which could have a material adverse effect on our business, results of operations and cash flows.

C2.2a

(C2.2a) Which risk types are considered in your organization's climate-related risk assessments?

	Relevance & inclusion	Please explain

	Relevance & inclusion	Please explain
Current regulation	Relevant, sometimes included	Americold's 10k page 14 Our properties are subject to a wide range of environmental laws and regulations in each of the locations in which we operate, and compliance with these requirements involves significant capital and operating costs. Failure to comply with these environmental requirements can result in civil or criminal fines or sanctions, claims for environmental damages, remediation obligations, revocation of environmental permits or restrictions on our operations. Future changes in environmental laws or in the interpretation of those laws, including stricter requirements affecting our operations, could result in increased capital and operating costs, which could materially and adversely affect our business, financial condition, liquidity, results of operations and, consequently, amounts available for distribution to our stockholders. Climate change regulations could also adversely impact companies with which we do business, which in turn may adversely impact our business, financial condition, results or operations or cash flows. In the future, our customers may demand lower indirect emissions associated with the storage and transportation of frozen and perishable food, which could make our facilities less competitive. Further, such demand could require us to implement various processes to reduce emissions from our operations in order to remain competitive, which could materially and adversely affect us. Americold is committed to complying with all applicable environmental laws and regulations. The company has a dedicated environmental team that is responsible for staying informed of these laws and regulations and for ensuring that Americold complies with them. Americold also conducts environmental assessments of its properties on a regular basis. By taking these steps, Americold is mitigating the risks of environmental liabilities and ensuring that it can continue to operate its business in a sustainable manner.
Emerging regulation	Relevant, sometimes included	Americold's 10k page 35-38 Our operations are subject to a wide range of environmental laws and regulations in each of the locations in which we operate, and compliance with these requirements involves significant capital and operating costs. Failure to comply with these environmental requirements can result in civil or criminal fines or sanctions, claims for environmental damages, remediation obligations, the revocation of environmental permits or restrictions on our operations. Future changes in environmental laws, or in the interpretation of those laws, including potential future climate change regulations, such as those affecting electric power providers or regulations related to the control of greenhouse gas emissions, or stricter requirements affecting our operations could result in increased capital and operating costs, which could materially and adversely affect us. Moreover, there can be no assurance that (i) future laws, ordinances or regulations will not impose new material environmental obligations or costs, including the potential effects of climate change or new climate change regulations, (ii) we will not incur material liabilities in connection with both known and undiscovered environmental conditions arising out of past activities on our properties or (iii) our properties will not be materially and adversely affected by the operations of customers, by environmental impacts or operations on neighboring properties (such as releases from underground storage tanks), or by the actions of parties unrelated to us. In addition, risks associated with new or more stringent laws or regulations or stricter interpretations of existing laws could directly or indirectly affect our customers and could adversely affect our business, financial condition, results of operations and cash flows. For example, various federal, state and regional laws and regulations have been implemented or are under consideration to mitigate the effects of climate change caused by greenhouse gas emissions. Among other things, “green” building codes may seek to reduce emissions through the imposition of standards for design, construction materials,
Technology	Relevant, not included	Americold's 10k page 6, 65-66 Americold considers technology in its climate-related risk assessments by investing in energy efficiency projects, such as LED lighting, thermal energy storage, motion-sensor technology, variable frequency drives for fans and compressors, third-party efficiency reviews, and real-time monitoring of energy consumption, rapidly open and close doors, and alternative-power generation technologies. The company also deploys efficient energy management practices, such as time-of-use and awareness, and increases participation in Power Demand Response programs with some of its power suppliers. In addition to these investments, Americold modernizes its warehouses to reduce power costs and increase its competitive position through reliable temperature-control systems that can implement distinct temperature zones within the same warehouse. The company also uses rainwater recapture to reduce reliance on municipal water supplies and reduce run-off. These investments and initiatives help Americold to reduce its reliance on fossil fuels, improve its energy efficiency, and adapt to the changing climate. Americold is also aware of the risks posed by outdated technology. The company's risk assessment includes the potential for its information technology systems to become obsolete or unmarketable due to the development, or demand for, more advanced equipment or enhanced technologies. Americold is also aware of the risk that the infrastructure at its temperature-controlled warehouses may become obsolete or unmarketable due to increased automation. To mitigate these risks, Americold is investing in new technology and upgrading its existing systems. The company is also working to ensure that its infrastructure is compatible with new technologies. By taking these steps, Americold is reducing its exposure to the risks posed by outdated technology. In addition to the above, Americold is also working to ensure that its information technology systems are resilient to climate-related disruptions. For example, the company is investing in backup power systems and disaster recovery plans to protect its data in the event of a power outage or other disaster. By taking these steps, Americold is reducing its exposure to the risks posed by climate change and ensuring that it can continue to operate its business in a sustainable manner.
Legal	Relevant, not included	Americold's 10k page 36 Our operations are subject to a wide range of environmental laws and regulations in each of the locations in which we operate, and compliance with these requirements involves significant capital and operating costs. Failure to comply with these environmental requirements can result in civil or criminal fines or sanctions, claims for environmental damages, remediation obligations, the revocation of environmental permits or restrictions on our operations. Future changes in environmental laws, or in the interpretation of those laws, including potential future climate change regulations, such as those affecting electric power providers or regulations related to the control of greenhouse gas emissions, or stricter requirements affecting our operations could result in increased capital and operating costs, which could materially and adversely affect us. Under various U.S. federal, state and local environmental laws, including the Comprehensive Environmental Response, Compensation and Liability Act of 1980, as amended, commonly known as CERCLA, or the Superfund law, a current or previous owner or operator of real property may be liable for the entire cost of investigating, removing or remediating hazardous or toxic substances on such property. Such laws often impose liability whether or not the owner or operator knew of, or was responsible for, the contamination. Even if more than one person may have been responsible for the contamination, each person covered by the environmental laws may be held responsible for the entire cleanup cost. We may also be subject to environmental liabilities under the regulatory regimes in place in the other countries in which we operate. The cost of resolving environmental, property damage, or personal injury claims, compliance with environmental regulatory requirements, paying fines, meeting new or stricter environmental requirements, or of remediating contaminated properties could materially and adversely affect Americold.
Market	Relevant, not included	Americold's 10k page 16, 18-19, 23 Americold's risk assessments consider the market in a number of ways. First, the company's concentration in the industrial real estate industry, specifically in temperature-controlled warehouses, exposes it to the risk of economic downturns in this industry. This is because the demand for temperature-controlled warehouse space is directly correlated with economic activity. If the economy slows down, demand for temperature-controlled warehouse space is likely to decline, which could hurt Americold's business. Second, Americold's risk assessments consider the fluctuations in the markets for, and production of, the commodities and finished products that it stores in its warehouses. For example, if the demand for poultry and poultry products declines, Americold's customers may store fewer of these products in its warehouses, which could reduce the company's revenue. Third, Americold's risk assessments consider the potential impact of entering new markets. If the company expands into new markets, it will need to understand the dynamics of those markets and the risks associated with them. For example, if Americold enters a new market without a good understanding of the local economy, it could be exposed to unexpected risks. Fourth, Americold's risk assessments consider the competitive landscape. The company faces competition from other owners and operators of temperature-controlled warehouses. If these competitors expand their operations or offer lower prices, Americold could lose market share. Finally, Americold's risk assessments consider the impact of changes in the cost of power. The cost of power varies substantially between the markets in which Americold operates. If the cost of power increases, Americold could be forced to raise its prices or reduce its profits.

	Relevance & inclusion	Please explain
Reputation	Relevant, not included	Americold's 10k page 16, 26, 30 Americold's risk assessments consider its reputation in a number of ways. The company is aware that product contamination, spoilage, adulteration, tampering, or other quality control issues could occur at any of its facilities or during the transportation of its products. These issues could cause customers to lose all or a portion of their inventory, which could lead to liability for Americold. In addition, if any of the frozen and perishable food products that Americold stores, processes, repackages, or transports causes injury, illness, or death, the company could be subject to significant liability. The occurrence of any of these events could negatively impact Americold's brand and reputation, which could have a material adverse effect on the company's business. Americold is also aware that it faces increasing scrutiny related to environmental, social, and governance (ESG) activities and disclosures. The company risks damage to its reputation if it fails to act appropriately and responsibly in ESG matters. For example, if Americold is found to be in violation of environmental regulations, this could damage its reputation and lead to lost business. Finally, Americold is aware that the failure of its information technology systems to perform as anticipated could have a material adverse effect on its business. For example, if the company's systems are not able to process transactions accurately or efficiently, this could lead to billing and invoicing errors, processing inefficiencies, and loss of sales. These problems could also damage Americold's reputation and make it more difficult for the company to do business. To protect its reputation, Americold has a code of conduct that outlines its expectations for employees in terms of ethical behavior and compliance with laws and regulations. The company also has a whistleblower policy that encourages employees to report any concerns they have about the company's operations. Americold conducts regular training for employees on topics such as food safety, environmental compliance, and workplace ethics. Finally, Americold has a crisis management plan in place that outlines how the company will respond to negative publicity or other reputational risks.
Acute physical	Relevant, always included	Americold's ESG report page 47-48 Americold is a global company that operates temperature-controlled warehouses. As such, it is exposed to a number of acute physical risks, including extreme weather events, power outages, and natural disasters. To mitigate these risks, Americold has a comprehensive risk assessment process. The risk assessment process begins with identifying potential risks. Americold does this by conducting regular risk assessments that consider a variety of factors, including the company's location, its operations, and the environment in which it operates. Once potential risks have been identified, Americold assesses the likelihood and severity of each risk. This involves considering the frequency and intensity of the risk, as well as the potential impact on the company's operations. The risks that are identified and assessed are then prioritized based on their likelihood and severity. This helps Americold to focus its resources on the most significant risks. Once risks have been prioritized, Americold develops mitigation strategies. These strategies are designed to reduce the likelihood or severity of the risk. For example, Americold has installed hail-resistant roof assemblies and hail guards on cooling fans to mitigate the risk of damage from hailstorms. The risk assessment process is not a one-time event. Americold regularly monitors risks to ensure that the mitigation strategies are effective. This helps Americold to protect its assets and operations and to ensure the continuity of its business. In addition to the above, Americold is committed to minimizing its environmental impact and is working to certify its future buildings as green. This is because climate change is a major driver of acute physical risk, and Americold is taking steps to reduce its impact on the environment.
Chronic physical	Relevant, always included	Americold's ESG report page 47-48 Americold is a global company that operates temperature-controlled warehouses. As such, it is exposed to a number of chronic physical risks, including rising sea levels, changes in precipitation patterns, and extreme weather events. These risks are becoming more severe due to climate change, and Americold is taking steps to mitigate their impact. Americold's risk assessment process includes a specific focus on chronic physical risk. The company's Nominating and Corporate Governance Committee is responsible for overseeing the risk assessment process, and it utilizes reports from internal resources such as the ESG Committee and Risk Management Team. These reports provide valuable insights into potential chronic physical risks, which are then assessed and prioritized based on their materiality to the organization. Americold takes a number of steps to mitigate chronic physical risk. These include building facilities in areas that are less likely to be affected by chronic physical risk, designing facilities to be more resilient to chronic physical risk, implementing risk mitigation measures, and monitoring and reviewing risk. By taking these steps, Americold is actively managing chronic physical risk and is working to protect its assets and operations. In addition to the above, Americold is committed to minimizing its environmental impact. This is because climate change is a major driver of chronic physical risk, and Americold is taking steps to reduce its impact on the environment. For example, Americold is working to certify its future buildings as green, and it is installing solar panels at its existing facilities.

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	Other, please specify (Increased severity and frequency of extreme weather events such as cyclones and floods)

Primary potential financial impact

Other, please specify (Increased insurance claims liability)

Climate risk type mapped to traditional financial services industry risk classification

<Not Applicable>

Company-specific description

Americold is a global company that operates temperature-controlled warehouses. As such, it is exposed to a number of acute physical risks, including extreme weather events, power outages, and natural disasters. These risks could have a substantive financial or strategic impact on the business, including:

Damage to facilities: Extreme weather events, such as floods, tornadoes, and hurricanes, could cause significant damage to Americold's facilities. This could lead to lost revenue, increased insurance costs, and the need for expensive repairs or replacements.

Disruption of operations: Power outages or natural disasters could also disrupt Americold's operations. This could lead to lost revenue, as customers would be unable to access their stored goods. It could also damage Americold's reputation, as customers may be concerned about the safety of their goods.

Increased costs: Extreme weather events could also lead to increased costs for Americold. For example, the company may need to invest in new equipment or facilities to protect its assets from future damage. It may also need to pay higher insurance premiums.

Loss of customers: If Americold's facilities are damaged or its operations are disrupted, it could lose customers. This could have a significant impact on the company's financial performance.

Americold is aware of these risks and has taken steps to mitigate them. For example, the company has a risk assessment process that identifies and prioritizes potential risks. It also has a risk mitigation plan that includes measures to reduce the likelihood and impact of these risks.

However, even with these measures in place, Americold cannot completely eliminate the risk of acute physical events. As such, the company is constantly monitoring the environment and adjusting its risk management plan as needed.

Time horizon
Long-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
The impact has not been quantified financially.

Cost of response to risk

Description of response and explanation of cost calculation
Acute physical risks could have a substantive financial or strategic impact on the business, including damage to facilities from extreme weather events, such as floods, tornadoes, and hurricanes. This could lead to lost revenue, increased insurance costs, and the need for expensive repairs or replacements. Power outages or natural disasters could also disrupt Americold's operations. This could lead to lost revenue, as customers would be unable to access their stored goods. It could also damage Americold's reputation, as customers may be concerned about the safety of their goods. Extreme weather events could also lead to increased costs for Americold. For example, the company may need to invest in new equipment or facilities to protect its assets from future damage. It may also need to pay higher insurance premiums. If Americold's facilities are damaged or its operations are disrupted, it could lose customers. This could have a significant impact on the company's financial performance.

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	Other, please specify (Changes in precipitation patterns and extreme variability in weather patterns)

Primary potential financial impact
Increased indirect (operating) costs

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

Company-specific description
Rising sea levels: Americold's facilities located in coastal areas are at risk of flooding and saline intrusion due to rising sea levels. These events can lead to significant damage to infrastructure, disruptions in operations, and increased maintenance and repair costs.

Changes in precipitation patterns: Alterations in precipitation patterns, such as increased rainfall or prolonged droughts, can impact Americold's operations. Excessive rainfall can lead to flooding and damage to facilities and inventory, while prolonged droughts can result in water scarcity, affecting the availability and quality of water resources for cooling and processing perishable goods.

Extreme weather events: Americold is exposed to the risk of extreme weather events, including storms, hurricanes, and heat waves. Hailstorms are a widespread hazard affecting many areas of the world that can severely damage building roofs, rooftop heating, ventilating, air conditioning units, and skylights. Many of our facilities are at risk of hail risk. According to FM Global, our facilities in Texas, Oklahoma, Arkansas, Missouri, Colorado, Kansas, Iowa, Nebraska, Minnesota, and South Dakota are identified as “very severe hail areas”. These events can cause physical damage to facilities, disrupt supply chains, and result in power outages, leading to operational disruptions and increased recovery and rebuilding costs.

Temperature fluctuations: Fluctuations in temperatures, both within and outside of the controlled environments, can impact the quality and integrity of the stored goods. Temperature extremes can result in spoilage, reduced shelf life, and potential financial losses.

Supply chain disruptions: Chronic physical risks can impact Americold's supply chain, such as road closures or damage to transportation infrastructure caused by extreme weather events. These disruptions can lead to delays in product delivery, increased transportation costs, and potential loss of business.

Health and safety risks: Extreme heatwaves or cold spells can pose health and safety risks to Americold's employees and operations. Heat-related illnesses, such as heatstroke, or cold-related injuries can impact worker productivity, increase healthcare costs, and potentially result in legal liabilities.

These chronic physical risks have the potential to cause significant financial losses, operational disruptions, reputational damage, and increased insurance costs for Americold.

Time horizon
Long-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
The impact has not been quantified financially.

Cost of response to risk

Description of response and explanation of cost calculation
Americold is a global company that operates temperature-controlled warehouses. As such, it is exposed to a number of chronic physical risks, including rising sea levels, changes in precipitation patterns, and extreme weather events. These risks are becoming more severe due to climate change, and Americold is taking steps to mitigate their impact.

Americold's risk assessment process includes a specific focus on chronic physical risk. The company's Nominating and Corporate Governance Committee is responsible for overseeing the risk assessment process, and it utilizes reports from internal resources such as the ESG Committee and Risk Management Team. These reports provide valuable insights into potential chronic physical risks, which are then assessed and prioritized based on their materiality to the organization.

Americold takes a number of steps to mitigate chronic physical risk. These include building facilities in areas that are less likely to be affected by chronic physical risk, designing facilities to be more resilient to chronic physical risk, implementing risk mitigation measures, and monitoring and reviewing risk.

By taking these steps, Americold is actively managing chronic physical risk and is working to protect its assets and operations. In addition to the above, Americold is committed to minimizing its environmental impact. This is because climate change is a major driver of chronic physical risk, and Americold is taking steps to reduce its impact on the environment. For example, Americold is working to certify its future buildings as green, and it is installing solar panels at its existing facilities.

Comment

Identifier
Risk 3

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

Risk type & Primary climate-related risk driver

Market	Increased cost of raw materials

Primary potential financial impact
Increased indirect (operating) costs

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

Company-specific description
Climate change may result in increased costs of materials due to limited availability and environmental impacts from the extraction and processing of raw materials and production of finished goods (e.g., pallets, corrugate, and stretch wrap). It can also lead to supply chain disruptions, impacting the availability of materials, causing delays in manufacturing and production, including in our customers' products, shipping delays, and other supply chain problems that could materially and adversely impact us.

Time horizon
Medium-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
The impact has not been quantified financially.

Cost of response to risk

Description of response and explanation of cost calculation
Increased costs for our suppliers would ultimately increase Americold's operating costs. These costs would be passed through to our customer base, and we are always adapting to changes in the market by making increasingly sustainable decisions. We strive to work with suppliers whose operations are less likely to be impacted by climate change.

Comment

Identifier
Risk 4

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

Risk type & Primary climate-related risk driver

Technology	Transitioning to lower emissions technology

Primary potential financial impact
Increased indirect (operating) costs

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

Company-specific description
Embracing sustainability means that global cold chain organizations, like Americold, must continually evaluate innovation and technology to drive improvements in energy efficiency, water usage, GHG emission reductions, and overall stewardship of our resources. Our key sustainability objectives are outlined in our Environmental Sustainability Policy and include leveraging energy management technology to keep operations at their highest levels of energy efficiency and lowest kilowatt hour (kWh) usage, investing in site walk-throughs to identify facility-specific improvement action items, championing strategies aimed at reducing our carbon footprint, empowering our associates to take an active role in water conservation programs and waste reduction initiatives, sharing our performance annually and transparently with associates, customers, and shareholders, and providing network analytic solutions that help customers reduce carbon emissions related to transportation and storage.

Time horizon
Medium-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
The impact has not been quantified financially.

Cost of response to risk

Description of response and explanation of cost calculation
We expect to see widespread adoption of lower emissions technology as it pertains to building systems and refrigeration techniques in the medium-term. Many of these upgrades will be a part of significant capital improvement projects in our operational facilities. For new construction facilities, we expect to budget a higher amount toward implementing low emissions technology.

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
Resource efficiency

Primary climate-related opportunity driver
Reduced water usage and consumption

Primary potential financial impact
Reduced indirect (operating) costs

Company-specific description
Over the last few years, we've been fortunate enough to grow our global portfolio of temperature-controlled warehouses. In concert with that, we've tackled supply chain and other pandemic-related challenges. Operating at this crossroads creates an opportunity for Americold to serve as a leader and role model through change and industry evolution. Americold's Maintenance & Energy teams use a continuous improvement process to evaluate facilities and identify opportunities to reduce energy and water usage. In 2022, Americold invested more than $3.6 million to complete 21 sustainability projects.

Temperature-controlled warehouses utilize refrigeration condensers to maintain their environments. Many of the condensers require potable water to transfer heat via evaporation from the condenser. A rainwater harvesting system captures rainfall on rooftops and other exposed surfaces and sends it to storage ponds or tanks, then treats it using a proprietary method. This recycled water replaces municipal water as feed for the facility's refrigerated condensers. The system reduces wastewater treatment costs as well as stormwater runoff. It also reduces the use of chemicals, thereby diminishing contamination of surface water.

First introduced to this resource-saving approach through 2019 acquisitions, Americold has embraced rainwater harvesting as a sustainable method for reducing municipal water demand. We ended 2022 with 15 rainwater systems and additional systems planned for implementation in 2023. We're also exploring the feasibility of outfitting our systems with real-time control technology to improve the process of moving water from the retention pond to the condensers. We're piloting this "smart" technology at our site in Lula, Georgia, and have plans for a second pilot in Montgomery, Alabama.

Time horizon
Medium-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
The impact has not been quantified financially.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation
We are committed to promoting water reduction through several avenues including utilizing packaged refrigeration systems that reduce or eliminate the amount of water needed for cooling, evaluating potable and non-potable water supply alternatives, designing and installing rainwater harvesting solutions and other diverse sources of water for use in refrigeration systems, installing highly efficient plumbing fixtures, and using drought-adapted landscaping to minimize water use. These initiatives will promote water reduction across the portfolio and will consequently lower operating expenses.

Comment

Identifier
Opp2

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

Opportunity type
Energy source

Primary climate-related opportunity driver
Use of new technologies

Primary potential financial impact
Reduced indirect (operating) costs

Company-specific description
Americold's Maintenance & Energy teams use a continuous improvement process to evaluate facilities and identify opportunities to reduce energy and water usage.

Quarterly site walk-throughs identify no- or low-cost energy savings opportunities in lighting, office behaviors, warehouse spaces, equipment, and more.

In 2022, Americold invested more than $3.6 million to complete 21 sustainability projects. More than 80% of our facilities are equipped to capture real-time utility meter-level kWh usage data. With this data, Americold can compare usage day-to-day, year-over-year, or facility-to-facility. A comparative analysis cadence provides a formalized process to quantitatively and qualitatively pinpoint improvement opportunities. Complementing this, Americold participates in 67 utility demand-response programs.

Americold has committed to installing 100% energy-efficient lighting across our global portfolio by 2030. In 2022, Americold fully converted 13 cold storage sites to high-efficiency LED lighting. This resulted in a total reduction of 4.8 million kWh of consumed energy and avoidance of 3,376 MTCO2e GHG. Variable frequency drivers (VFDs) were installed at two cold storage sites in 2022.
Controlling the speed and torque of a refrigeration system motor, this sustainability project resulted in an annual reduction of 952,000 kWh of consumed energy and avoidance of 675 MTCO2e GHG. Furthermore, 210 Americold sites used ammonia-based refrigerant systems in 2022. Ammonia is a naturally occurring refrigerant that has an ozone depletion potential (ODP) rating of 0 and a global warming potential (GWP) of 0. Americold is also complying with the reduction of Freon r22 in compliance with federal and international regulations. All purchases and potential leakages of non-ammonia refrigerants are now included in our Scope 1 emissions.

Time horizon
Medium-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
The impact has not been quantified financially.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation
We are consistently making strides to promote energy efficiency across the portfolio through the following initiatives: providing dual redundant utility feeds from diverse substations (new builds), designing and implementing underground utility supply where feasible, installing automatic fault isolation and service restoration, implementing efficient designs that minimize energy demand, designing and implementing backup power systems to support critical functions of buildings for at least 48 hours, designing and install thermal energy systems to act as thermal back up batteries, and designing and installing quick connect mobile generator breaker with kirk key for full amp service. These activities will contribute to reduced operating costs across the portfolio.

Comment

Identifier
Opp3

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

Opportunity type
Markets

Primary climate-related opportunity driver
Access to new markets

Primary potential financial impact
Increased revenues through access to new and emerging markets

Company-specific description
Americold is constantly assessing emerging market trends and adapting our maintenance techniques to allow for refrigeration of new products such as pharmaceutical goods, cannabis, etc.

Time horizon
Medium-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

The impact has not been quantified financially.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation
We proactively assess emerging market trends so that as the demand for refrigeration of new products increases, Americold is prepared to adjust our facility maintenance techniques to ensure that our clients' refrigeration needs in these new and emerging markets are being met.

Comment

Identifier
Opp4

Where in the value chain does the opportunity occur?
Upstream

Opportunity type
Resilience

Primary climate-related opportunity driver
Participation in renewable energy programs and adoption of energy-efficiency measures

Primary potential financial impact
Reduced direct costs

Company-specific description
Americold's long term sustainability strategy includes continued investments in solar power. At the end of 2022, 17 of our facilities had power supplied by solar photovoltaic cells. A noteworthy accomplishment on the solar front in 2022 was the commissioning of our 1000 kW solar installation adjacent to our facility in Salinas, California. This installation is now an important piece of Salinas' strategy to meet California's energy challenges. In addition to Salinas, a new solar project came online at our Laverton North facility in Australia in 2022.

These additions provided a boost as Americold strives to achieve 150,000 MWh (annually) of renewable energy for global portfolio by 2030.When Americold acquired AGRO Merchants Group in 2020, we added anaerobic digestion to our portfolio of renewable energy sources. This solution has resulted in energy self-sufficiency and long-term security for our facility in Whitchurch, Shropshire, England. On most winter days, the 2.5-megawatt digester provides 100% of the energy required by the site. During the warmer summer months, the output covers about 70% of demand.

In 2022, we added real-time energy metering at four sites, bringing greater visibility to how and where sites use their energy. At our facility in Spalding, United Kingdom, an existing solar installation was split to supply energy to an additional building on site, resulting in 100% utilization of the renewable energy produced. Americold also invested in two solar projects that will come online in 2023 and provide 1.2 million kWh annually.

Time horizon
Long-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
The impact has not been quantified financially.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation
It is likely that Americold will invest in renewable energy sources in the long-term to meet customer demand and demonstrate our commitment to environmental stewardship. Our current design specifications for new builds assess the feasibility of installing on-site renewable energy. Implementing renewable energy across the portfolio will reduce the carbon footprint of the portfolio and manage recurring costs associated with energy consumption.

Comment

Identifier
Opp5

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

Opportunity type
Resource efficiency

Primary climate-related opportunity driver
Move to more efficient buildings

Primary potential financial impact
Reduced indirect (operating) costs

Company-specific description

Americold has several initiatives in place to promote more efficient buildings including routine energy waste walks to educate associates on energy efficiency best practices, leveraging demand response programs and smart building techniques to keep operations at their highest level of efficiency and lowest energy demand, and monitoring and sharing facility performance annually to highlight top performing facilities and those with opportunities for growth.

Americold operates 18 facilities and a total of 23 buildings in the United States that are certified ENERGY STAR, making us a 2022 Premier Member of ENERGY STAR's Certification Nation. Earning ENERGY STAR certification means the site operates energy efficiently and generates fewer carbon dioxide emissions than typical buildings. Having 23 buildings ENERGY STAR certified is a great feat and we are proud of our associates' work to earn these certifications. Moving forward, Americold is committed to certifying additional facilities for 2023.

Globally, Americold is ramping up efforts to quantify the energy performance of our buildings. In Australia, our site in Murarrie was evaluated through NABERS, which considers factors like annual throughput, full-time employees, level of automation, energy, water, and gas consumption. Murarrie's NABERS rating for 2022 was three stars out of six, which equates to the market standard. The evaluation process has helped Murarrie identify how and where improvements can be made to increase performance. Moving forward, Americold plans to get more Australian sites rated through NABERS.

Time horizon
Medium-term

Likelihood
Very 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
The impact has not been quantified financially.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation
We recognize that a commitment to energy efficiency must transcend to all Americold employees. At the site level, we provide routine training to educate and empower our associates to play their part in promoting more efficient buildings. We utilize demand response tracking at several of our sites to monitor real-time energy management and ensure that all of our assets are operating efficiently. These initiatives have demonstrated a reduction in energy consumption across our portfolio and a decrease in operating costs.

Comment

Identifier
Opp6

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

Opportunity type
Resource efficiency

Primary climate-related opportunity driver
Use of recycling

Primary potential financial impact
Other, please specify (Resource efficiency)

Company-specific description
Americold has placed additional emphasis on solid waste management over the last several years. We have established routine waste stream mapping techniques across our portfolio as a way to show consistent progress towards an increased diversion rate.

In 2022, Americold set a goal to divert more than 10% of our waste from landfill and exceeded that goal by diverting 22% of our waste from landfills globally. We achieved this goal by participating in various recycling programs including specialty programs for equipment, product, and scrap that has reached its end of life, which included over 21 million pounds of metal. In 2022, Americold recycled more than 15 million pounds of corrugated materials, 1.8 millions pounds of mixed recycling, and over 30 million pounds of compost.

Time horizon
Short-term

Likelihood
Very 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
The impact has not been quantified financially.

Cost to realize opportunity

Strategy to realize opportunity and explanation of cost calculation
We are committed to promoting recycling at all of our facilities which will, in turn, protect the environment and public health. We have implemented routine training for our facility managers to empower them to take an active role in waste reduction initiatives.

In 2022, Americold recycled over 1 million pounds of batteries, predominantly forklift batteries. Use of electric forklifts has increased over the years due to their environmental benefits, like low emissions, reduced energy use, and minimal required maintenance. According to Food Logistics, “an electric forklift can achieve savings of up to USD $9,000 per truck per year compared to internal combustion forklifts (based on 2,000 hours of operation per year).”

Comment

C3. Business Strategy

C3.1

(C3.1) Does your organization’s strategy include a climate transition plan that aligns with a 1.5°C world?

Row 1

Climate transition plan
No, but our strategy has been influenced by climate-related risks and opportunities, and we are developing a climate transition plan within two years

Publicly available climate transition plan
<Not Applicable>

Mechanism by which feedback is collected from shareholders on your climate transition plan
<Not Applicable>

Description of feedback mechanism
<Not Applicable>

Frequency of feedback collection
<Not Applicable>

Attach any relevant documents which detail your climate transition plan (optional)
<Not Applicable>

Explain why your organization does not have a climate transition plan that aligns with a 1.5°C world and any plans to develop one in the future
In 2022 we did not have a climate related scenario analysis as we were still developing our ESG program. We are making strides to develop this within the next two years.

Explain why climate-related risks and opportunities have not influenced your strategy
<Not Applicable>

C3.2

(C3.2) Does your organization use climate-related scenario analysis to inform its strategy?

	Use of climate-related scenario analysis to inform strategy	Primary reason why your organization does not use climate-related scenario analysis to inform its strategy	Explain why your organization does not use climate-related scenario analysis to inform its strategy and any plans to use it in the future
Row 1	No, but we anticipate using qualitative and/or quantitative analysis in the next two years	Important but not an immediate priority	This is part of our 2023 ESG Plan.

C3.3

(C3.3) Describe where and how climate-related risks and opportunities have influenced your strategy.

	Have climate-related risks and opportunities influenced your strategy in this area?	Description of influence
Products and services	Yes	Our global strategy is to understand and manage the potential impact of flooding, wind, hail, energy disruption, and water shortages. To that end, we proactively perform proprietary business continuity planning and catastrophic incident recovery planning on an annual basis to develop, review, and update plans that cover potential environmental impacts. With a key concern being energy consumption, Americold's Maintenance & Energy teams are constantly evaluating sites and identifying opportunities to reduce energy and water usage. Quarterly site walk-throughs identify no- or low-cost energy savings opportunities in lighting, office behaviors, warehouse spaces, equipment, and more. Our planning and proactive preparation accounts for short- (3 years), medium- (8 years) and long-term (28 years) mitigation. We evaluate the risk for extreme weather made more likely by climate change. We recognize that these weather events can impact our power security and water security by impacting the grid and municipal water systems that are imperative to our business operations.
Supply chain and/or value chain	Yes	Americold works closely with our customers to optimize their supply chains with a focus on reducing transportation miles and driving down greenhouse gas (GHG) emissions. Furthermore, Americold upholds a Supplier Code of Conduct wherein suppliers must comply with all applicable laws, regulations, and Americold standards with respect to sustainability and environmental requirements. Americold encourages its suppliers to consider and implement processes designed to reduce the impact on the environment in the services or products they provide.
Investment in R&D	Yes	Americold values technology and innovation. We continuously seek to execute on various initiatives aimed at streamlining our business processes and reducing our cost structure, including integrating and launching new information technology tools and platforms. In order to reduce costs in our facilities, we have invested in energy efficiency projects, including LED lighting, thermal energy storage, motion-sensor technology, variable frequency drives for our fans and compressors, third party efficiency reviews and real-time monitoring of energy consumption, rapid open and close doors, and alternative-power generation technologies to improve the energy efficiency of our warehouses. We have also performed fine-tuning of our refrigeration systems, deployed efficient energy management practices, such as time-of-use and awareness, and have increased our participation in Power Demand Response programs with some of our power suppliers. These initiatives have allowed us to reduce our consumption of kilowatt hours and energy spend.
Operations	Yes	We have evaluated climate change impacts and opportunities for our physical operations and are taking steps to mitigate our impact in current facilities such as installing solar, energy efficiency, and energy management techniques. In our new development buildings we have committed to all new builds will be green building (BREEAM, LEED, Energy star, etc) certified moving forward. An example of our commitment is our new build in Savannah that is LEED certified. When we evaluated the development opportunity the location of the site along with the high energy costs and our desire to set a standard for future new development projects led us to pursuing the certification and lowering our footprint.

C3.4

(C3.4) Describe where and how climate-related risks and opportunities have influenced your financial planning.

	Financial planning elements that have been influenced	Description of influence
Row 1	Revenues Direct costs Indirect costs Capital expenditures Capital allocation Acquisitions and divestments Access to capital Assets Liabilities	Americold's Risk Mitigation team plays a crucial role in identifying and assessing financial risks associated with climate change for each site expansion, acquisition, and new construction project. They use industry-leading design standards to manage potential risks, ensuring that climate-related factors are considered in their financial evaluations. As part of their financial planning process, Americold employs a due diligence program to evaluate the liabilities of potential acquisitions, including environmental risks and exposures to natural hazards. This approach allows them to make informed financial decisions and consider climate-related impacts on their business operations. To mitigate risks from extreme weather events like hail, Americold undertakes specific measures to protect their assets. These include installing roof assemblies with appropriate hail ratings, providing hail guards or steel wire mesh over cooling fans on HVAC equipment, and ensuring critical outdoor equipment can withstand hail impact. Regular roof inspections are performed, and measures are taken to maintain watertight surfaces and insulation to minimize potential damage. Americold demonstrates its commitment to sustainability and financial planning by investing in sustainability projects. In 2022, they invested over $3.6 million to complete 21 sustainability projects. These initiatives contribute to reducing environmental impacts and enhancing energy efficiency, which can have positive financial implications over time. More than 80% of Americold's facilities are equipped with real-time utility meter-level kWh usage data. This data allows them to perform comparative analysis day-to-day, year-over-year, or facility-to-facility. The analysis helps to identify improvement opportunities and make informed decisions to optimize energy consumption and related costs. Americold's capital expenditure decisions include funding various energy efficiency projects such as thermal energy storage, LED lighting, motion-sensor technology, and variable frequency drives for fans and compressors. These investments aim to reduce energy consumption, operational costs, and greenhouse gas emissions, aligning with their climate change risk management strategy. Americold recognizes the physical and transition risks associated with climate change. Events like sea-level rise, extreme weather conditions (floods, tornados, hurricanes), and extreme temperatures pose potential threats to their warehouses and operations. By addressing these risks, Americold aims to safeguard their financial performance and maintain business continuity. Americold is attentive to new or more stringent climate change regulations that may impact their business. Compliance with "green" building codes and other environmental standards might lead to increased costs for maintaining and operating their facilities. Additionally, regulations could influence their relationships with customers and business partners, potentially affecting their financial condition and cash flows.

C3.5

(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, and we do not 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?
No target

C4.1c

(C4.1c) Explain why you did not have an emissions target, and forecast how your emissions will change over the next five years.

	Primary reason	Five-year forecast	Please explain
Row 1	We are planning to introduce a target in the next two years		In August 2022, Americold submitted a letter to SBTi (Science Based Target initiative) establishing our intent to set Science-Based Targets. SBTi calls on companies to demonstrate their commitment to mitigating climate change by setting and publicly pledging to achieve science-based goals.We are excited for the future and to continue to share our progress on our ESG journey through this platform.

C4.2

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

C4.2b

(C4.2b) Provide details of any other climate-related targets, including methane reduction targets.

Target reference number
Oth 1

Year target was set
2022

Target coverage
Company-wide

Target type: absolute or intensity
Absolute

Target type: category & Metric (target numerator if reporting an intensity target)

Other, please specify	Other, please specify (Green Building Certification)

Target denominator (intensity targets only)
<Not Applicable>

Base year
2018

Figure or percentage in base year
0

Target year
2030

Figure or percentage in target year
50

Figure or percentage in reporting year
11.2

% of target achieved relative to base year [auto-calculated]
22.4

Target status in reporting year
Underway

Is this target part of an emissions target?
No

Is this target part of an overarching initiative?
No, it's not part of an overarching initiative

Please explain target coverage and identify any exclusions
This goal applies to the entire global portfolio and includes LEED, BREEAM, NABERS, and Energy Star certifications.

Plan for achieving target, and progress made to the end of the reporting year
The company has set a goal to obtain Green Building certifications for 50 percent of its portfolio by 2030. Green Building certifications, such as LEED (Leadership in Energy and Environmental Design) and BREEAM (Building Research Establishment Environmental Assessment Method), identify structures that adhere to stringent sustainability criteria. Americold's pursuit of these certifications demonstrates its dedication to building and operating environmentally responsible and resource-efficient facilities.

List the actions which contributed most to achieving this target

<Not Applicable>

Target reference number
Oth 2

Year target was set
2021

Target coverage
Company-wide

Target type: absolute or intensity
Absolute

Target type: category & Metric (target numerator if reporting an intensity target)

Energy productivity	megawatt hours (MWh)

Target denominator (intensity targets only)
<Not Applicable>

Base year
2021

Figure or percentage in base year
14802.72

Target year
2030

Figure or percentage in target year
150000

Figure or percentage in reporting year
29546.15

% of target achieved relative to base year [auto-calculated]
10.9051232391658

Target status in reporting year
Underway

Is this target part of an emissions target?
No

Is this target part of an overarching initiative?
No, it's not part of an overarching initiative

Please explain target coverage and identify any exclusions
Americold strives to achieve 150,000 MWh (annually) of renewable energy for global portfolio by 2030.

Plan for achieving target, and progress made to the end of the reporting year
Americold's renewable energy goal is to provide 150,000 MWh (annually) of renewable energy to its global portfolio by 2030. This commitment entails utilizing renewable energy sources to power its operations, such as solar and wind power. Americold seeks to reduce its reliance on fossil fuels and greenhouse gas emissions by incorporating renewable energy into its energy portfolio.

List the actions which contributed most to achieving this target
<Not Applicable>

Target reference number
Oth 3

Year target was set
2011

Target coverage
Company-wide

Target type: absolute or intensity
Absolute

Target type: category & Metric (target numerator if reporting an intensity target)

Other, please specify	Other, please specify (LED Lighting)

Target denominator (intensity targets only)
<Not Applicable>

Base year
2011

Figure or percentage in base year
0

Target year
2030

Figure or percentage in target year
100

Figure or percentage in reporting year
5.37

% of target achieved relative to base year [auto-calculated]
5.37

Target status in reporting year
Underway

Is this target part of an emissions target?
No

Is this target part of an overarching initiative?
No, it's not part of an overarching initiative

Please explain target coverage and identify any exclusions
Americold has committed to installing 100% energy efficient lighting across our global portfolio by 2030.

Plan for achieving target, and progress made to the end of the reporting year
Americold has invested in energy-saving initiatives, such as implementing LED lighting in its temperature-controlled warehouses. LED lighting is renowned for its energy-saving potential compared to conventional lighting systems. Americold seeks to reduce its power consumption and carbon emissions associated with lighting operations in its facilities by implementing energy-efficient lighting.

List the actions which contributed most to achieving this target
<Not Applicable>

Target reference number
Oth 4

Year target was set
2021

Target coverage
Company-wide

Target type: absolute or intensity
Absolute

Target type: category & Metric (target numerator if reporting an intensity target)

Other, please specify	Other, please specify (ENERGY STAR Benchmarking)

Target denominator (intensity targets only)
<Not Applicable>

Base year
2021

Figure or percentage in base year
0

Target year
2025

Figure or percentage in target year
100

Figure or percentage in reporting year
88.02

% of target achieved relative to base year [auto-calculated]
88.02

Target status in reporting year
Underway

Is this target part of an emissions target?
No

Is this target part of an overarching initiative?
No, it's not part of an overarching initiative

Please explain target coverage and identify any exclusions
Benchmark 100% of properties against Energy Star Portfolio manager and pursue certification of all eligible properties by 2025

Plan for achieving target, and progress made to the end of the reporting year
Americold can evaluate and compare the energy performance of its warehouses against industry standards by benchmarking all of its properties against the Energy Star Portfolio Manager. This enables the company to identify improvement opportunities and devise energy efficiency measures for specific properties. Americold's pursuit of certification for eligible properties demonstrates its dedication to meeting recognized energy efficiency standards and enhancing the portfolio's overall sustainability.

List the actions which contributed most to achieving this target
<Not Applicable>

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

C4.3a

(C4.3a) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings.

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation		
To be implemented*		
Implementation commenced*		
Implemented*	15	4051
Not to be implemented		

C4.3b

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

Initiative category & Initiative type

Energy efficiency in buildings	Lighting

Estimated annual CO2e savings (metric tonnes CO2e)

3376

Scope(s) or Scope 3 category(ies) where emissions savings occur

Scope 2 (location-based)

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

6-10 years

Comment

Americold has committed to installing 100% energy efficient lighting across our global portfolio by 2030. In 2022, Americold fully converted 13 cold storage sites to high-efficiency LED lighting. This resulted in a total reduction of 4.8 million kWh of consumed energy and avoidance of 3,376 MTCO2e GHG.

Initiative category & Initiative type

Energy efficiency in buildings	Motors and drives

Estimated annual CO2e savings (metric tonnes CO2e)

675

Scope(s) or Scope 3 category(ies) where emissions savings occur

Scope 2 (location-based)

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

Variable frequency drivers (VFDs) were installed at two cold storage sites in 2022. Controlling the speed and torque of a refrigeration system motor, this sustainability project resulted in an annual reduction of 952,000 kWh of consumed energy and avoidance of 675 MTCO2e GHG.

C4.3c

(C4.3c) What methods do you use to drive investment in emissions reduction activities?

Method	Comment
Lower return on investment (ROI) specification	We have extended the ROI requirements for sustainable Capex projects including LED lighting, VFD installations, and Solar panels to 8 years
Dedicated budget for energy efficiency	We have a separate fund for sustainable Capex projects to drive our emissions reductions globally.

C4.5

(C4.5) Do you classify any of your existing goods and/or services as low-carbon products?

No

C5. Emissions methodology

C5.1

(C5.1) Is this your first year of reporting emissions data to CDP?

No

C5.1a

(C5.1a) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?

Row 1

Has there been a structural change?

Yes, an acquisition

Yes, other structural change, please specify (Joint Venture)

Name of organization(s) acquired, divested from, or merged with

A joint venture titled Americold LATAM Holdings Ltd. was created with Cold Latam Limited. Americold also acquired De Bruyn Cold Storage.

Construction of Dunkirk, NY, acquired Wivenhoe - Tasmania , Gdynia

Details of structural change(s), including completion dates

On June 2, 2022, we formed a joint venture, Americold LATAM Holdings Ltd (the “LATAM JV”), with Cold Latam Limited (our “JV partner”), in an effort to help us grow our business and market presence in Latin America, excluding Brazil. Our JV partner committed to invest approximately $209.0 million in exchange for 85% of the total equity interests, and we have contributed our Chilean business upon formation of the joint venture and retained the remaining 15% equity interests in the joint venture. On July 2, 2022, we acquired De Bruyn Cold Storage for Australian $23.5 million, or $16.0 million.

C5.1b

(C5.1b) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?

	Change(s) in methodology, boundary, and/or reporting year definition?	Details of methodology, boundary, and/or reporting year definition change(s)
Row 1	Yes, a change in boundary	In 2022, out reporting boundary changed due to the acquisition and disposition of Americold sites.

C5.1c

(C5.1c) Have your organization’s base year emissions and past years’ emissions been recalculated as a result of any changes or errors reported in C5.1a and/or C5.1b?

	Base year recalculation	Scope(s) recalculated	Base year emissions recalculation policy, including significance threshold	Past years’ recalculation
Row 1	Yes	Scope 3	In 2022, Americold went through a scope 3 GHG accounting assessment. Through this assessment we determined no change to the Scope 1 and Scope 2 emissions and therefore no base year recalculation was required. From 2022 onward Americold will report Scope 3 emissions with a base year of 2022.	No

C5.2

(C5.2) Provide your base year and base year emissions.

Scope 1

Base year start
January 1 2021

Base year end
December 31 2021

Base year emissions (metric tons CO2e)
34694.5

Comment
The emissions value here differs from the emissions value shown in the 2021 ESG Report as this value includes emissions contributions from facilities under Americold's ownership for any portion of 2021. This includes energy data for acquisitions and dispositions where available.

Scope 2 (location-based)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment

Scope 2 (market-based)

Base year start
January 1 2021

Base year end
December 31 2021

Base year emissions (metric tons CO2e)
524857.58

Comment
The emissions value here differs from the emissions value shown in the 2021 ESG Report as this value includes emissions contributions from facilities under Americold's ownership for any portion of 2021. This includes energy data for acquisitions and dispositions where available.

Scope 3 category 1: Purchased goods and services

Base year start
January 1 2022

Base year end
December 31 2022

Base year emissions (metric tons CO2e)
168889

Comment
In 2022, Americold went through a scope 3 GHG accounting assessment. As part of this assessment, we determined that purchased goods and services are a part of Scope 3 emissions.

Scope 3 category 2: Capital goods

Base year start
January 1 2022

Base year end
December 31 2022

Base year emissions (metric tons CO2e)
98125.2

Comment
In 2022, Americold went through a scope 3 GHG accounting assessment. As part of this assessment, we determined that capital goods are a part of Scope 3 emissions.

Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment
N/A - we are not reporting on this category of scope 3 emissions for the base year due to lack of quality of data.

Scope 3 category 4: Upstream transportation and distribution

Base year start
January 1 2022

Base year end
December 31 2022

Base year emissions (metric tons CO2e)
208911

Comment
In 2022, Americold went through a scope 3 GHG accounting assessment. As part of this assessment, we determined that upstream transportation and distribution are a part of Scope 3 emissions.

Scope 3 category 5: Waste generated in operations

Base year start
January 1 2021

Base year end
December 31 2021

Base year emissions (metric tons CO2e)
12517

Comment
Americold's waste scope includes recycling and landfill waste including: metal, mixed materials, cardboard, compost, paper, wood, landfill, demolitions & construction, anaerobic digestion and solid waste.

Scope 3 category 6: Business travel

Base year start
January 1 2021

Base year end
December 31 2021

Base year emissions (metric tons CO2e)
1278

Comment
975.63 metric tons of CO2e were offset with carbon offset purchases.

Scope 3 category 7: Employee commuting

Base year start
January 1 2022

Base year end
December 31 2022

Base year emissions (metric tons CO2e)
35.2

Comment
In 2022, Americold went through a scope 3 GHG accounting assessment. As part of this assessment, we determined that employee commuting are a part of Scope 3 emissions.

Scope 3 category 8: Upstream leased assets

Base year start
January 1 2022

Base year end
December 31 2022

Base year emissions (metric tons CO2e)
4111

Comment
In 2022, Americold went through a scope 3 GHG accounting assessment. As part of this assessment, we determined that upstream leased assets are a part of Scope 3 emissions.

Scope 3 category 9: Downstream transportation and distribution

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment
N/A - we are not reporting on this category of scope 3 emissions for the base year due to lack of quality of data.

Scope 3 category 10: Processing of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment
This scope 3 emissions category is not relevant to Americold's operations as we do not meet any of the criteria outlined in Table 6.1 of the WRI/WBCSD "Corporate Value Chain (Scope 3) Accounting & Reporting Standard."

Scope 3 category 11: Use of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment
N/A - we are not reporting on this category of scope 3 emissions for the base year due to lack of quality of data.

Scope 3 category 12: End of life treatment of sold products

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment
This scope 3 emissions category is not relevant to Americold's operations as we do not meet any of the criteria outlined in Table 6.1 of the WRI/WBCSD "Corporate Value Chain (Scope 3) Accounting & Reporting Standard."

Scope 3 category 13: Downstream leased assets

Base year start

Base year end

Base year emissions (metric tons CO2e)
2330.04

Comment
This scope includes the "Managed" business division of our portfolio.

Scope 3 category 14: Franchises

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment
This scope 3 emissions category is not relevant to Americold's operations as we do not meet any of the criteria outlined in Table 6.1 of the WRI/WBCSD "Corporate Value Chain (Scope 3) Accounting & Reporting Standard."

Scope 3 category 15: Investments

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment
This scope 3 emissions category is not relevant to Americold's operations as we do not meet any of the criteria outlined in Table 6.1 of the WRI/WBCSD "Corporate Value Chain (Scope 3) Accounting & Reporting Standard."

Scope 3: Other (upstream)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment
This scope 3 emissions category is not relevant to Americold's operations as we do not meet any of the criteria outlined in Table 6.1 of the WRI/WBCSD "Corporate Value Chain (Scope 3) Accounting & Reporting Standard."

Scope 3: Other (downstream)

Base year start

Base year end

Base year emissions (metric tons CO2e)

Comment
This scope 3 emissions category is not relevant to Americold's operations as we do not meet any of the criteria outlined in Table 6.1 of the WRI/WBCSD "Corporate Value Chain (Scope 3) Accounting & Reporting Standard."

C5.3

(C5.3) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.

Australia - National Greenhouse and Energy Reporting Act
New Zealand - Guidance for Voluntary, Corporate Greenhouse Gas Reporting
The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
The Greenhouse Gas Protocol: Scope 2 Guidance
US EPA Emissions & Generation Resource Integrated Database (eGRID)

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)
59631

Start date
January 1 2022

End date
December 31 2022

Comment

Past year 1

Gross global Scope 1 emissions (metric tons CO2e)
34694.5

Start date
January 1 2021

End date
December 31 2021

Comment

C6.2

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

Row 1

Scope 2, location-based
Please select

Scope 2, market-based
We are reporting a Scope 2, market-based figure

Comment

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)
532561

Start date
January 1 2022

End date
December 31 2022

Comment

Past year 1

Scope 2, location-based
<Not Applicable>

Scope 2, market-based (if applicable)
524857.58

Start date
January 1 2021

End date
December 31 2021

Comment

C6.4

(C6.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1, Scope 2 or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure?
No

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
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
168889

Emissions calculation methodology
Average spend-based method

Percentage of emissions calculated using data obtained from suppliers or value chain partners
0

Please explain

Capital goods

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
98125.2

Emissions calculation methodology
Average spend-based method

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

Please explain

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

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
We currently exclude this category due to a lack of quality data and this category does not apply to currently known activities at Americold.

Upstream transportation and distribution

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
208911

Emissions calculation methodology
Average spend-based method

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

Please explain

Waste generated in operations

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
32434.6

Emissions calculation methodology
Average spend-based method

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

Please explain

Business travel

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
2356

Emissions calculation methodology
Average data method

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

Please explain

Employee commuting

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
35.2

Emissions calculation methodology
Average data method

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

Please explain

Upstream leased assets

Evaluation status
Relevant, calculated

Emissions in reporting year (metric tons CO2e)
4111

Emissions calculation methodology
Average data method

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

Please explain

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
We currently exclude this category due to a lack of quality data and this category does not apply to currently known activities at Americold.

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
We currently exclude this category due to a lack of quality data and this category does not apply to currently known activities at Americold.

Use 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
We currently exclude this category due to a lack of quality data and this category does not apply to currently known activities at Americold.

End of life treatment 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
We currently exclude this category due to a lack of quality data and this category does not apply to currently known activities at Americold.

Downstream 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
We currently exclude this category due to a lack of quality data and this category does not apply to currently known activities at Americold.

Franchises

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
Americold has no franchise operations.

Investments

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
We currently exclude this category due to a lack of quality data and this category does not apply to currently known activities at Americold.

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
We currently exclude this category due to a lack of quality data and this category does not apply to currently known activities at Americold.

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
We currently exclude this category due to a lack of quality data and this category does not apply to currently known activities at Americold.

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)

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

Scope 3: Waste generated in operations (metric tons CO2e)
12517

Scope 3: Business travel (metric tons CO2e)
1278

Scope 3: Employee commuting (metric tons CO2e)

Scope 3: Upstream leased assets (metric tons CO2e)

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)

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

Scope 3: Downstream leased assets (metric tons CO2e)
2330

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

C6.7

(C6.7) Are carbon dioxide emissions from biogenic carbon relevant to your organization?
Yes

C6.7a

(C6.7a) Provide the emissions from biogenic carbon relevant to your organization in metric tons CO2.

	CO2 emissions from biogenic carbon (metric tons CO2)	Comment
Row 1	54.28	These are the GHG emissions associated with an on site anerobic digestor.

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
0.000203

Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)
592561

Metric denominator
unit total revenue

Metric denominator: Unit total
2915000000

Scope 2 figure used
Market-based

% change from previous year
1.5

Direction of change
Decreased

Reason(s) for change
Change in revenue

Please explain
Americold's revenue increased in 2022 compared to 2021, this increase in business activity lead to an expansion in emissions which was partially offset through changes in reporting boundary as well as an increase in renewable energy consumption.

C7. Emissions breakdowns

C7.1

(C7.1) Does your organization break down its Scope 1 emissions by greenhouse gas type?
No

C7.2

(C7.2) Break down your total gross global Scope 1 emissions by country/area/region.

Country/area/region	Scope 1 emissions (metric tons CO2e)
Australia	0
New Zealand	0
Netherlands	805
Spain	0
Portugal	624
Ireland	8
Poland	0
United Kingdom of Great Britain and Northern Ireland	25339
Austria	0
United States of America	32400
Canada	453
Argentina	2

C7.3

(C7.3) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.
By business division

C7.3a

(C7.3a) Break down your total gross global Scope 1 emissions by business division.

Business division	Scope 1 emissions (metric ton CO2e)
East	20171
Automated	1808
West	3576
Southeast	3350
Central	3654
Europe	26701
Retail	295
APAC	75
LATAM	2

C7.5

(C7.5) Break down your total gross global Scope 2 emissions by country/area/region.

Country/area/region	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Australia		46190
New Zealand		3041
Netherlands		5291
Spain		4844
Portugal		3289
Ireland		6644
Poland		4804
United Kingdom of Great Britain and Northern Ireland		6001
Austria		36
United States of America		442308
Canada		6223
Argentina		3889

C7.6

(C7.6) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.
By business division

C7.6a

(C7.6a) Break down your total gross global Scope 2 emissions by business division.

Business division	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
East		65909
Automated		12188
West		66147
Southeast		156405
Central		137760
Europe		25597
Retail		30909
APAC		49231
LATAM		3889

C7.7

(C7.7) Is your organization able to break down your emissions data for any of the subsidiaries included in your CDP response?
No

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

C7.9a

(C7.9a) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.

	Change in emissions (metric tons CO2e)	Direction of change in emissions	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption		<Not Applicable>		
Other emissions reduction activities		<Not Applicable>		
Divestment		<Not Applicable>		
Acquisitions		<Not Applicable>		
Mergers		<Not Applicable>		
Change in output		<Not Applicable>		
Change in methodology		<Not Applicable>		
Change in boundary		<Not Applicable>		
Change in physical operating conditions		<Not Applicable>		
Unidentified		<Not Applicable>		
Other	32640	Increased	5.8	Americold's revenue increased in 2022 compared to 2021, this increase in business activity lead to an expansion in emissions which was partially offset through changes in reporting boundary as well as an increase in renewable energy consumption.

C7.9b

(C7.9b) Are your emissions performance calculations in C7.9 and C7.9a based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?

Market-based

C8. Energy

C8.1

(C8.1) What percentage of your total operational spend in the reporting year was on energy?

More than 5% but less than or equal to 10%

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	Yes
Consumption of purchased or acquired steam	No
Consumption of purchased or acquired cooling	No
Generation of electricity, heat, steam, or cooling	No

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)	Please select		204258	204258
Consumption of purchased or acquired electricity	<Not Applicable>	90849	1448151	1539000
Consumption of purchased or acquired heat	<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>	<Not Applicable>	<Not Applicable>	<Not Applicable>
Total energy consumption	<Not Applicable>	90849	1652409	1743258

C8.2b

(C8.2b) Select the applications of your organization's consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	Yes
Consumption of fuel for the generation of heat	Yes
Consumption of fuel for the generation of steam	No
Consumption of fuel for the generation of cooling	Yes
Consumption of fuel for co-generation or tri-generation	No

C8.2c

(C8.2c) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Sustainable biomass

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

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Other biomass

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

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Other renewable fuels (e.g. renewable hydrogen)

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

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Coal

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

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Oil

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

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Gas

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

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Other non-renewable fuels (e.g. non-renewable hydrogen)

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

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment

Total fuel

Heating value
HHV

Total fuel MWh consumed by the organization
204258

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

MWh fuel consumed for self- cogeneration or self-trigeneration
<Not Applicable>

Comment
We use several types of fuels for a variety of purposes. Our largest consumer of propane is one site that has a legacy business practice of using propane fork lifts. Diesel is most commonly used for field trucks and limited long-haul trucking. Some sites also use fuel for additional generators for emergency fuel generation. We consume natural gas at some sites to power heating and cooling systems. We do not have the data to inform how much fuel is used for generation of electricity versus how much is used for generation of heat.

C8.2e

(C8.2e) Provide details on the electricity, heat, steam, and/or cooling amounts that were accounted for at a zero or near-zero emission factor in the market-based Scope 2 figure reported in C6.3.

Country/area of low-carbon energy consumption
United States of America

Sourcing method
Purchase from an on-site installation owned by a third party (on-site PPA)

Energy carrier
Electricity

Low-carbon technology type
Solar

Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)
90849

Tracking instrument used
Please select

Country/area of origin (generation) of the low-carbon energy or energy attribute
United States of America

Are you able to report the commissioning or re-powering year of the energy generation facility?
Please select

Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)
<Not Applicable>

Comment

C8.2g

(C8.2g) Provide a breakdown by country/area of your non-fuel energy consumption in the reporting year.

Country/area
Australia

Consumption of purchased electricity (MWh)
67941

Consumption of self-generated electricity (MWh)
0

Is this electricity consumption excluded from your RE100 commitment?
<Not Applicable>

Consumption of purchased heat, steam, and cooling (MWh)
0

Consumption of self-generated heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
67941

Country/area
New Zealand

Consumption of purchased electricity (MWh)
23470

Consumption of self-generated electricity (MWh)
0

Is this electricity consumption excluded from your RE100 commitment?
<Not Applicable>

Consumption of purchased heat, steam, and cooling (MWh)
0

Consumption of self-generated heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
23470

Country/area
Netherlands

Consumption of purchased electricity (MWh)
24694

Consumption of self-generated electricity (MWh)
0

Is this electricity consumption excluded from your RE100 commitment?
<Not Applicable>

Consumption of purchased heat, steam, and cooling (MWh)
0

Consumption of self-generated heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
24694

Country/area
Spain

Consumption of purchased electricity (MWh)
16375

Consumption of self-generated electricity (MWh)
0

Is this electricity consumption excluded from your RE100 commitment?
<Not Applicable>

Consumption of purchased heat, steam, and cooling (MWh)
0

Consumption of self-generated heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
16375

Country/area
Portugal

Consumption of purchased electricity (MWh)
11704

Consumption of self-generated electricity (MWh)
0

Is this electricity consumption excluded from your RE100 commitment?
<Not Applicable>

Consumption of purchased heat, steam, and cooling (MWh)
0

Consumption of self-generated heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
11704

Country/area
Ireland

Consumption of purchased electricity (MWh)
11654

Consumption of self-generated electricity (MWh)
0

Is this electricity consumption excluded from your RE100 commitment?
<Not Applicable>

Consumption of purchased heat, steam, and cooling (MWh)
0

Consumption of self-generated heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
11654

Country/area
Poland

Consumption of purchased electricity (MWh)
5650

Consumption of self-generated electricity (MWh)
0

Is this electricity consumption excluded from your RE100 commitment?
<Not Applicable>

Consumption of purchased heat, steam, and cooling (MWh)
0

Consumption of self-generated heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
5650

Country/area
United Kingdom of Great Britain and Northern Ireland

Consumption of purchased electricity (MWh)
17808

Consumption of self-generated electricity (MWh)
0

Is this electricity consumption excluded from your RE100 commitment?
<Not Applicable>

Consumption of purchased heat, steam, and cooling (MWh)
0

Consumption of self-generated heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
17808

Country/area
Austria

Consumption of purchased electricity (MWh)
8498

Consumption of self-generated electricity (MWh)
0

Is this electricity consumption excluded from your RE100 commitment?
<Not Applicable>

Consumption of purchased heat, steam, and cooling (MWh)
0

Consumption of self-generated heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
8498

Country/area
United States of America

Consumption of purchased electricity (MWh)
1208911

Consumption of self-generated electricity (MWh)
0

Is this electricity consumption excluded from your RE100 commitment?
<Not Applicable>

Consumption of purchased heat, steam, and cooling (MWh)
0

Consumption of self-generated heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
1208911

Country/area
Canada

Consumption of purchased electricity (MWh)
37230

Consumption of self-generated electricity (MWh)
0

Is this electricity consumption excluded from your RE100 commitment?
<Not Applicable>

Consumption of purchased heat, steam, and cooling (MWh)
0

Consumption of self-generated heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
37230

Country/area
Argentina

Consumption of purchased electricity (MWh)
14215

Consumption of self-generated electricity (MWh)
0

Is this electricity consumption excluded from your RE100 commitment?
<Not Applicable>

Consumption of purchased heat, steam, and cooling (MWh)
0

Consumption of self-generated heat, steam, and cooling (MWh)
0

Total non-fuel energy consumption (MWh) [Auto-calculated]
14215

C9. Additional metrics

C9.1

(C9.1) Provide any additional climate-related metrics relevant to your business.

Description
Other, please specify (Water Usage)

Metric value
3746676

Metric numerator
Cubic Meter

Metric denominator (intensity metric only)

% change from previous year
4

Direction of change
Increased

Please explain

Description
Waste

Metric value
161957

Metric numerator
tons of non-hazardous waste

Metric denominator (intensity metric only)

% change from previous year

Direction of change
<Not Applicable>

Please explain

C10. Verification

C10.1

(C10.1) Indicate the verification/assurance status that applies to your reported emissions.

	Verification/assurance status
Scope 1	Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	Third-party verification or assurance process in place
Scope 3	Third-party verification or assurance process in place

C10.1a

(C10.1a) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Limited assurance

Attach the statement
Americold CDP LOA.pdf

Page/ section reference
External Assurance of 2022 Environmental Performance Data for Americold Logistics, LLC; pages 1-2.

Relevant standard
ISO14064-3

Proportion of reported emissions verified (%)

C10.1b

(C10.1b) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

Scope 2 approach
Scope 2 market-based

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Limited assurance

Attach the statement
Americold CDP LOA.pdf

Page/ section reference
External Assurance of 2022 Environmental Performance Data for Americold Logistics, LLC; pages 1-2.

Relevant standard
ISO14064-3

Proportion of reported emissions verified (%)

C10.1c

(C10.1c) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.

Scope 3 category
Please select

Verification or assurance cycle in place
Annual process

Status in the current reporting year
Complete

Type of verification or assurance
Limited assurance

Attach the statement
Americold CDP LOA.pdf

Page/section reference
External Assurance of 2022 Environmental Performance Data for Americold Logistics, LLC; pages 1-2.

Relevant standard
ISO14064-3

Proportion of reported emissions verified (%)

C10.2

(C10.2) Do you verify any climate-related information reported in your CDP disclosure other than the emissions figures reported in C6.1, C6.3, and C6.5?
Yes

C10.2a

(C10.2a) Which data points within your CDP disclosure have been verified, and which verification standards were used?

Disclosure module verification relates to	Data verified	Verification standard	Please explain
C8. Energy	Energy consumption	ISO14001	2023 Americold Logistics Letter of Assurance.pdf
C9. Additional metrics	Waste data	ISO14001	2023 Americold Logistics Letter of Assurance.pdf

C11. Carbon pricing

C11.1

(C11.1) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?
Yes

C11.1a

(C11.1a) Select the carbon pricing regulation(s) which impacts your operations.

California CaT - ETS

Other ETS, please specify (Oregon ETS Scheme)

C11.1b

(C11.1b) Complete the following table for each of the emissions trading schemes you are regulated by.

California CaT - ETS

% of Scope 1 emissions covered by the ETS

% of Scope 2 emissions covered by the ETS

Period start date

January 1 2022

Period end date

December 31 2022

Allowances allocated

10088

Allowances purchased

0

Verified Scope 1 emissions in metric tons CO2e

Verified Scope 2 emissions in metric tons CO2e

Details of ownership

Facilities we own and operate

Comment

Electric forklifts in operation at Americold facilities in California generated about 10,088 credits in 2022. Each credit represents 1 metric ton of carbon dioxide equivalents (MT CO2e). GHG emission reductions are determined on a lifecycle basis. This is effectively the same as the sum of Scope 1, Scope 2, and Scope 3 emissions.

Other ETS, please specify

% of Scope 1 emissions covered by the ETS

% of Scope 2 emissions covered by the ETS

Period start date

January 1 2022

Period end date

December 31 2022

Allowances allocated

2764

Allowances purchased

0

Verified Scope 1 emissions in metric tons CO2e

Verified Scope 2 emissions in metric tons CO2e

Details of ownership

Facilities we own and operate

Comment

Electric forklifts in operation at Americold facilities in Oregon generated about 2764 credits in 2022. Each credit represents 1 metric ton of carbon dioxide equivalents (MT CO2e). GHG emission reductions are determined on a lifecycle basis. This is effectively the same as the sum of Scope 1, Scope 2, and Scope 3 emissions.

C11.1d

(C11.1d) What is your strategy for complying with the systems you are regulated by or anticipate being regulated by?

Our participation and compliance with the California and Oregon LCFS carbon trading market for forklifts closely match our current standard operating procedures for utilizing electric forklifts over fossil fuel forklifts. This allows us to generate 4,070 credits annually, equivalent to 4,070 MTCO2 lifecycle emissions. As part of this compliance, we have implemented formal programs for repairing and replacing forklifts that we currently own that generate credits and assess emerging emission reduction technologies for new forklifts. We evaluate the economic consequences of selling or holding on to these credits moving forward. We do not purchase credits as we do not have to offset any fossil fuel-powered forklifts in our California and Oregon operations.

C11.2

(C11.2) Has your organization canceled any project-based carbon credits within the reporting year?
No

C11.3

(C11.3) Does your organization use an internal price on carbon?
No, and we do not currently anticipate doing so in the next two years

C12. Engagement

C12.1

(C12.1) Do you engage with your value chain on climate-related issues?
Yes, our suppliers
Yes, our customers/clients
Yes, other partners in the value chain

C12.1a

(C12.1a) Provide details of your climate-related supplier engagement strategy.

Type of engagement
Other, please specify (Distributing ESG report and informing suppliers of ESG program)

Details of engagement
Other, please specify

% of suppliers by number

% total procurement spend (direct and indirect)

% of supplier-related Scope 3 emissions as reported in C6.5

Rationale for the coverage of your engagement
Americold is committed to environmental and social responsibilities and, as such, submitted a letter to SBTi (Science Based Target initiative) establishing our intent to set Science-Based Targets. SBTi calls on companies to demonstrate their commitment to mitigating climate change by setting and publicly pledging to achieve science-based goals. Currently, Americold does not engage with partners in our value chain on climate-related issues because we are in the process of ensuring our own individual environmental targets are ambitious and relevant to our business. In the future, as we develop and set our own environmental policies and emissions reduction goals, we seek to use our own experiences as a basis for engagement with our partners across our value chain.

Impact of engagement, including measures of success

Comment

C12.1b

(C12.1b) Give details of your climate-related engagement strategy with your customers.

Type of engagement & Details of engagement

Education/information sharing	Run an engagement campaign to education customers about your climate change performance and strategy

% of customers by number

% of customer - related Scope 3 emissions as reported in C6.5

Please explain the rationale for selecting this group of customers and scope of engagement

Impact of engagement, including measures of success

C12.1d

(C12.1d) Give details of your climate-related engagement strategy with other partners in the value chain.

Americold works closely with our customers to optimize their supply chains with a focus on reducing transportation miles and driving down greenhouse gas (GHG) emissions. Furthermore, Americold upholds a Supplier Code of Conduct wherein suppliers must comply with all applicable laws, regulations, and Americold standards with respect to sustainability and environmental requirements. Americold encourages its suppliers to consider and implement processes designed to reduce the impact on the environment in the services or products they provide.

C12.2

(C12.2) Do your suppliers have to meet climate-related requirements as part of your organization's purchasing process?

No, and we do not plan to introduce climate-related requirements within the next two years

C12.3

(C12.3) Does your organization engage in activities that could either directly or indirectly influence policy, law, or regulation that may impact the climate?

Row 1

External engagement activities that could directly or indirectly influence policy, law, or regulation that may impact the climate

Yes, our membership of/engagement with trade associations could influence policy, law, or regulation that may impact the climate

Does your organization have a public commitment or position statement to conduct your engagement activities in line with the goals of the Paris Agreement?

Yes

Attach commitment or position statement(s)

Describe the process(es) your organization has in place to ensure that your external engagement activities are consistent with your climate commitments and/or climate transition plan

Americold is committed to honesty and transparency across our business. All of our employees are required to take annual ethics trainings to ensure they understand the legal expectations of the governments regulating our business and the expected behavior outlined in the Americold Employee Handbook and our Code of Conduct and Business Ethics. The Handbook outlines the expectations to not engage in unethical bribery, labor practices or any other unethical behavior. In 2021 we updated our Code of Conduct and Business Ethics and required all associates to complete Code of Conduct training to ensure they understand and agree to act in a manner that reflects the Code. Americold's ethics are overseen by the Chief Legal Officer and Compliance Director.

Primary reason for not engaging in activities that could directly or indirectly influence policy, law, or regulation that may impact the climate

<Not Applicable>

Explain why your organization does not engage in activities that could directly or indirectly influence policy, law, or regulation that may impact the climate

<Not Applicable>

C12.3b

(C12.3b) Provide details of the trade associations your organization is a member of, or engages with, which are likely to take a position on any policy, law or regulation that may impact the climate.

Trade association

Other, please specify (National Association of Real Estate Investment Trusts)

Is your organization's position on climate change policy consistent with theirs?

Consistent

Has your organization attempted to influence their position in the reporting year?

No, we did not attempt to influence their position

Describe how your organization's position is consistent with or differs from the trade association's position, and any actions taken to influence their position

The NAREIT Real Estate Sustainability Council (RESC) is a form for NAREIT members who are engaged in corporate ESG functions and provides support and guidance and commentary to the community. NAREIT has acted as a single voice to submit responses to federal requests for comment on proposed regulation with input from its members. Americold provides its input through this council and community on relevant legislative policies.

Funding figure your organization provided to this trade association in the reporting year (currency as selected in C0.4)

Describe the aim of your organization's funding

<Not Applicable>

Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?

No, we have not evaluated

Trade association

Other, please specify (Global Cold Chain Alliance)

Is your organization's position on climate change policy consistent with theirs?

Unknown

Has your organization attempted to influence their position in the reporting year?

No, we did not attempt to influence their position

Describe how your organization's position is consistent with or differs from the trade association's position, and any actions taken to influence their position

<Not Applicable>

Funding figure your organization provided to this trade association in the reporting year (currency as selected in C0.4)

Describe the aim of your organization's funding

<Not Applicable>

Have you evaluated whether your organization's engagement with this trade association is aligned with the goals of the Paris Agreement?

No, we have not evaluated

C12.4

(C12.4) Have you published information about your organization's response to climate change and GHG emissions performance for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

Publication
In mainstream reports

Status
Complete

Attach the document
Americold 2022 ESG Report FINAL.pdf

Page/Section reference
Please see Page 26 in our ESG report for details of Americold's commitment to environmental stewardship and GHG emissions reduction in section "Helping Our Planet".

Content elements
Governance
Strategy
Risks & opportunities
Emissions figures
Emission targets
Other metrics

Comment
Americold embraces innovation as part of our sustainability strategy, and we continuously pursue efficiency-focused projects. We also work closely with our customers to optimize their supply chains with a focus on reducing transportation
miles and driving down greenhouse gas (GHG) emissions. Across the company, sustainability efforts are led by energy champions and teams in direct partnership with operations leaders. Through our values, we engage our entire organization to practice sustainable stewardship and share those practices outside the company.

C12.5

(C12.5) Indicate the collaborative frameworks, initiatives and/or commitments related to environmental issues for which you are a signatory/member.

	Environmental collaborative framework, initiative and/or commitment	Describe your organization's role within each framework, initiative and/or commitment
Row 1	Science Based Targets Network (SBTN)	In August 2022, Americold submitted a letter to SBTi (Science Based Target initiative) establishing our intent to set Science-Based Targets. SBTi calls on companies to demonstrate their commitment to mitigating climate change by setting and publicly pledging to achieve science-based goals. We are excited for the future and to continue to share our progress on our ESG journey through this platform.

C15. Biodiversity

C15.1

(C15.1) Is there board-level oversight and/or executive management-level responsibility for biodiversity-related issues within your organization?

	Board-level oversight and/or executive management-level responsibility for biodiversity-related issues	Description of oversight and objectives relating to biodiversity	Scope of board-level oversight
Row 1	No, and we do not plan to have both within the next two years	<Not Applicable>	<Not Applicable>

C15.2

(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, and we do not 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
Yes

Value chain stage(s) covered
Direct operations

Portfolio activity
<Not Applicable>

Tools and methods to assess impacts and/or dependencies on biodiversity
No biodiversity assessment tools/methods used

Please explain how the tools and methods are implemented and provide an indication of the associated outcome(s)
<Not Applicable>

Dependencies on biodiversity

Indicate whether your organization undertakes this type of assessment
Yes

Value chain stage(s) covered
Direct operations

Portfolio activity
<Not Applicable>

Tools and methods to assess impacts and/or dependencies on biodiversity
No biodiversity assessment tools/methods used

Please explain how the tools and methods are implemented and provide an indication of the associated outcome(s)
<Not Applicable>

C15.4

(C15.4) Does your organization have activities located in or near to biodiversity- sensitive areas in the reporting year?
Not assessed

C15.5

(C15.5) What actions has your organization taken in the reporting year to progress your biodiversity-related commitments?

	Have you taken any actions in the reporting period to progress your biodiversity-related commitments?	Type of action taken to progress biodiversity- related commitments
Row 1	Yes, we are taking actions to progress our biodiversity-related commitments	Other, please specify (All new construction is required to conduct a biodiversity environmental assessment and earn either LEED or BREEAM certification.)

C15.6

(C15.6) Does your organization use biodiversity indicators to monitor performance across its activities?

	Does your organization use indicators to monitor biodiversity performance?	Indicators used to monitor biodiversity performance
Row 1	Yes, we use indicators	Other, please specify (Environmental Assessments)

C15.7

(C15.7) Have you published information about your organization's response to biodiversity-related issues for this reporting year in places other than in your CDP response? If so, please attach the publication(s).

Report type	Content elements	Attach the document and indicate where in the document the relevant biodiversity information is located
No publications	<Not Applicable>	<Not Applicable>

C16. 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.

CEO Letter from ESG Report

In 2022 we relaunched Americold's vision, mission, and values. Our growth over the last few years made 2022 the perfect year to reset, reshape, and emerge as a more focused organization. I am proud of the work our leadership team has put into redefining our brand and I see the positive impact it is already having.

As a value-added cold chain partner, Americold holds safety, reliability, and environmental stewardship in the highest of regards. Our comprehensive environmental, social, and governance (ESG) strategy focuses on three areas: promoting energy excellence through innovation and new technology adoption, investing in our associates, and giving back to our communities. This report details our efforts in these areas, including more than $3.6 million in sustainability investments across our portfolio of temperature-controlled facilities.

I encourage you to read about our ESG objectives, including our programs and practices to ensure a happy, healthy, and engaged workforce. Americold associates are our most valuable asset and our boots on the ground ensuring safe food handling, customer satisfaction, and regulatory compliance. To that end, it is our job as a company to ensure each and every associate feels safe, valued, and encouraged to contribute. In the environmental space, we proudly commit to being a conscientious consumer of our precious natural resources. That means taking steps to reduce power intake, water consumption, and greenhouse gas emissions.

Among our 2022 highlights, Americold committed to achieving LEED or BREEAM standards for all new construction and major facility renovations. With this, we will push the industry forward and help define the energy efficient future of temperature-controlled warehousing. As one of our five values, giving back is at the cornerstone of our business, shaping Americold's commitment to the communities in which we live and work. In this report, I am happy to highlight many examples of charity, kindness, and pure selflessness. From supporting Ukrainian refugees to supplying children in need with school supplies and weekend meals, our associates truly care for their communities.

Lastly, you'll read about Americold's enduring commitment to strong governance practices, as evidenced by robust oversight at all levels of the company. We believe good governance is key to building our business long term. Americold is an essential component of the food supply chain with irreplaceable assets, a best-in-class team, and compelling growth prospects. I look forward to further building on Americold's sustainability goals and living up to our commitments of corporate responsibility.
Americold 2022 ESG Report FINAL.pdf

C16.1

(C16.1) Provide details for the person that has signed off (approved) your CDP climate change response.

	Job title	Corresponding job category
Row 1	Brian Dunn, Global Vice President, Engineering and Maintenance, Energy and Head of Sustainability	Other, please specify (Global Vice President, Engineering and Maintenance, Energy and Head of Sustainability)

Submit your response

In which language are you submitting your response?
English

Please confirm how your response should be handled by CDP

	I understand that my response will be shared with all requesting stakeholders	Response permission
Please select your submission options	Yes	Public

Please confirm below
I have read and accept the applicable Terms