

# Welcome to your CDP Climate Change Questionnaire 2018

# C0. Introduction

# C<sub>0.1</sub>

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

The Coca-Cola Company (NYSE: KO) is a total beverage company, offering over 500 brands in more than 200 countries. In addition to the company's Coca-Cola brands, our portfolio includes some of the world's most valuable beverage brands, such as AdeS soy-based beverages, Ayataka green tea, Dasani waters, Del Valle juices and nectars, Fanta, Georgia coffee, Gold Peak teas and coffees, Honest Tea, innocent smoothies and juices, Minute Maid juices, Powerade sports drinks, Simply juices, smartwater, Sprite, vitaminwater and ZICO coconut water. We're constantly transforming our portfolio, from reducing sugar in our drinks to bringing innovative new products to market. We're also working to reduce our environmental impact by replenishing water and promoting recycling. With our bottling partners, we employ more than 700,000 people, bringing economic opportunity to local communities worldwide.

# C<sub>0.2</sub>

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

	Start date	End date	Indicate if you are providing emissions data for past reporting years
Row	January 1,	December 31,	No
1	2017	2017	

# C<sub>0.3</sub>

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

Argentina

Bahrain

Bangladesh

Brazil

Cambodia

Canada

Chile

China

Costa Rica

Egypt

France

Guatemala



India

Indonesia

Ireland

Japan

Malaysia

Mexico

Myanmar

Nepal

Pakistan

Puerto Rico

Qatar

Republic of Korea

Singapore

Sri Lanka

Swaziland

Turkey

**United Arab Emirates** 

United States of America

Uruguay

Viet Nam

# C<sub>0.4</sub>

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

USD

# C<sub>0.5</sub>

(C0.5) Select the option that describes the reporting boundary for which climaterelated impacts on your business are being reported. Note that this option should align with your consolidation approach to your Scope 1 and Scope 2 greenhouse gas inventory.

Operational control

# C-AC0.6/C-FB0.6/C-PF0.6

(C-AC0.6/C-FB0.6/C-PF0.6) Are emissions from agricultural/forestry, processing/manufacturing, distribution activities or emissions from the consumption of your products – whether in your direct operations or in other parts of your value chain – relevant to your current CDP climate change disclosure?

	Relevance
Agriculture/Forestry	Elsewhere in the value chain only
	[Agriculture/Forestry/processing/manufacturing/Distribution only]



Processing/Manufacturing	Both direct operations and elsewhere in the value chain [Processing/manufacturing/Distribution only]
Distribution	Both direct operations and elsewhere in the value chain [Processing/manufacturing/Distribution only]
Consumption	Both direct operations and elsewhere in the value chain [Processing/manufacturing/Distribution only]

# C-AC0.6b/C-FB0.6b/C-PF0.6b

(C-AC0.6b/C-FB0.6b/C-PF0.6b) Why are emissions from agricultural/forestry activities undertaken on your own land not relevant to your current CDP climate change disclosure?

# Row 1

# **Primary reason**

Do not own/manage land

# Please explain

At The Coca-Cola Company, we rely on agricultural ingredients for our products. However, the Company does not own or manage its own land, and agricultural ingredients are sourced through suppliers.

# C-AC0.7/C-FB0.7/C-PF0.7

(C-AC0.7/C-FB0.7/C-PF0.7) Which agricultural commodity(ies) that your organization produces and/or sources are the most significant to your business by revenue? Select up to five.

# Agricultural commodity

Sugar

% of revenue dependent on this agricultural commodity

60-80%

#### Produced or sourced

Sourced

# Please explain

In addition to water, the principal raw materials used in our business are nutritive and non-nutritive sweeteners. In the United States, for example, the principal nutritive sweetener is high fructose com syrup ("HFCS"), which is nutritionally equivalent to sugar. The principal nutritive sweetener used by our business outside the United States is sucrose, i.e., table sugar. Our selection of "sugar" above represents a combination of both HFCS and sucrose as described here.



We make our branded beverage products available to consumers globally through our network of Company-owned or -controlled bottling and distribution operations, independent bottling partners, distributors, wholesalers and retailers. The Coca-Cola Company markets, manufactures and sells beverage concentrates, sometimes referred to as "beverage bases," and syrups, including fountain syrups (we refer to this part of our business as our "concentrate business" or "concentrate operations"), as well as finished sparkling soft drinks and other nonalcoholic beverages (we refer to this part of our business as our "finished product business" or "finished product operations").

However, most of our branded beverage products are manufactured, sold and distributed by independent bottling partners, to whom The Company sells beverage concentrates. The nutritive sweeteners used in the finished products are therefore purchased, in some cases by The Company and in other cases by its independent bottling partners. This split of nutritive sweetener sourcing notwithstanding, the number stated above refers to the % of our finished product volumes that would be impacted in one way or another (directly or indirectly) by any material impact to this agricultural commodity.

Our Company generally has not experienced any difficulties in obtaining its requirements for nutritive sweeteners.

# 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) of the individual(s) on the board with responsibility for climate-related issues.

Position of individual(s)	Please explain
Director on	The Public Issues and Diversity Review Committee (PIDRC) of the Company's
board	Board of Directors bears the highest level of direct responsibility for climate change
	within The Coca-Cola Company. The Committee is established by the Board to aid
	the Board in discharging its responsibilities relating to the Company's positions on
	sustainability, corporate social responsibility and public issues of significance,
	which may affect shareowners, the Company, the business community and the
	general public; and to perform such other duties as may be delegated by the Board
	and consistent with the charter, including the nature and scope of the Company's



	sustainability goals and the Company's progress toward achieving those goals.  The PIDRC is chaired by the Chair and Chief Executive Officer of New Ventures,  LLC. She has been a Director of The Coca-Cola Company since 2007.
Director on board	The second member of the PIDRC has been a director of The Coca-Cola Company since 2013 and since October 2017, has held the position of Chief Executive Officer of The Chicago Community Trust, a community foundation dedicated to improving the Chicago region through strategic grant making, civic engagement and inspiring philanthropy.  Until September 2017, the board member held the position of Chief Executive Officer of the McKinsey Social Initiative.
Director on board	The third member of the PIDRC is the Co-Chairman and Chief Executive Officer of the Nuclear Threat Initiative (NTI) (a former United States Senator) who has been a Director of The Coca-Cola Company since 1997.
Director on board	Other directors on the board.  While the PIDRC leads oversight of climate-related issues, all members of the board are expected to exhibit a commitment to sustainability, which is one of six criteria by which 2018 Director nominees were considered. (Proxy, p. 18)

# 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	Please explain
Scheduled – all meetings	Reviewing and guiding strategy Reviewing and guiding major plans of action Reviewing and guiding risk management policies Reviewing and guiding business plans Setting performance objectives Monitoring implementation and	Climate-related issues receive direct oversight from the Board because we believe effective stewardship in this area is a part of our social responsibility as a corporation and is essential to our success as a business.  In 2017, the Board held six meetings, and committees of the Board held a total of 37 meetings. Overall attendance at such meetings was approximately 99%. Each Director attended 75% or more of the aggregate of all meetings of the Board and the committees on which he or she served during 2017. (Proxy, p. 32) Review of climate-related issues is scheduled at a minimum of one full-Board meeting annually, and all



performance of objectives Overseeing major capital expenditures, acquisitions and divestitures Monitoring and overseeing progress against goals and targets for addressing climate-related issues	Public Issues and Diversity Review committee meetings. The charter states that as part of its authorities and responsibilities, the Committee will review the nature and scope of the Company's sustainability goals and the Company's progress toward achieving those goals. The Committee will receive at least annually, presentations by the Chief Sustainability Officer, and others as required, related to the accomplishment of the Company's sustainability goals. The Board reviews and provides guidance on risks via a well-defined Enterprise Risk Management process, into which climate-related risks are incorporated. The Board set as a priority for the Company's President and CEO the implementation of the World Without Waste initiative, which aims to collect and recycle one bottle for each bottle the Company produces by 2020. (Proxy, p. 50) While beneficial to the environment, the initiative also intends to increase the amount of available rPET, which will significantly reduce carbon emissions in the packaging production process. To monitor performance against the Company's strategic goals and leadership objectives, the Board receives regular updates and actively engages in dialogue with our Company's senior leaders.  These updates occur monthly, and a report is generated for the Public Issues and Diversity Review Committee quarterly.  Boardroom discussions are enhanced with "hands-on" experiences, such as market visits, which provide Directors an opportunity to see strategy execution first hand. (Proxy, p. 27)

# C1.2

# (C1.2) Below board-level, provide the highest-level management position(s) or committee(s) with responsibility for climate-related issues.

Name of the position(s) and/or committee(s)	Responsibility	Frequency of reporting to the board on climate-related issues
Other C-Suite Officer, please specify	Both assessing and managing climate-related risks and opportunities	More frequently than quarterly



President and Chief Executive Officer		
Other C-Suite Officer, please specify	Both assessing and managing climate-related risks and	More frequently than quarterly
SVP, Chief PAC & Sustainability Officer	opportunities	
Other C-Suite Officer, please specify Chief Technical Officer	Both assessing and managing climate-related risks and opportunities	More frequently than quarterly
Other, please specify VP Gbl Pub Policy, Env Sust & Soc Impact	Both assessing and managing climate-related risks and opportunities	More frequently than quarterly

# C1.2a

# (C1.2a) Describe where in the organizational structure this/these position(s) and/or committees lie, what their associated responsibilities are, and how climate-related issues are monitored.

Climate-related issues are monitored and managed at the local level by Public Affairs Managers, Sustainability Managers, and Quality, Safety, and Environment Managers. Doing so is an evaluated component of these managers' performance. The rational for placing responsibility at the local level is that assessment and management of issues should be performed by employees who are based in the relevant regions and who are familiar with the business, political and physical environments. We believe they are best suited to identify, understand, and respond to climate-related issues. Data is collected from these managers and is aggregated at the market, Business Unit, and global level, and communicated to leadership at each of these levels. The Corporate center

provides oversight, support, and global coordination of sustainability efforts, including those that are climate-related. Managers have the responsibility to ensure that established climate-related initiatives are implemented and on-track, to make the necessary adjustments if they are not on-track, and to report on these efforts to global leadership. Responsibility is shared between Public Affairs, Communications & Sustainability and Technical managers as climate-related issues span these two areas.

Managers report to Business Unit Public Affairs and Communications (PAC) Vice Presidents, who report directly to the Business Unit Presidents, who in turn report to TCCC's President & Chief Executive Officer. Business Unit Presidents are ultimately responsible for implementing climate-related actions in their respective geographies. PAC Vice Presidents also report to regional PAC Directors, who report to TCCC's Chief Public Affairs, Communications and Sustainability Officer, who in turn reports directly to the President & CEO.

At the global level, climate-related risks and opportunities are assessed and issues are managed by the Company's Vice President for Global Public Policy, Environmental Sustainability, and Social Impact, and a team of specialists in these respective areas, including Climate, Water, and Sustainable Agriculture. The Vice President reports directly to the Chief



Public Affairs, Communications, and Sustainability Officer, who is part of the corporate executive team reporting directly to the President & CEO and Board of Directors. The Vice President and Chief Officer's respective performance evaluations are linked to the assessment and management of climate-related risks and opportunities.

Assessment and management of these issues is assigned at the local levels described above to gain the benefit of local knowledge and proximity to climate-related issues in each market. Responsibility is also assigned at the global level to ensure coordination across Business Units, the sharing of best practices, and an open channel for informing and communicating with the President & CEO and Board of Directors.

# C1.3

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

Yes

# C1.3a

(C1.3a) Provide further details on the incentives provided for the management of climate-related issues.

#### Who is entitled to benefit from these incentives?

Chief Executive Officer (CEO)

# Types of incentives

Monetary reward

# **Activity incentivized**

Other, please specify
World Without Waste program

# Comment

The development of the Company's new World Without Waste plan (to help collect or recycle a bottle or can for each one it sells by 2030) is a key accomplishment under the Chief Executive Officer's leadership responsibilities. (Proxy, p. 50)

Furthermore, the Company's Directors have indicated they will continue to develop more rigor around setting and assessing non-financial goals. (Proxy, p. 46)

# Who is entitled to benefit from these incentives?

Corporate executive team

# Types of incentives

Monetary reward



# **Activity incentivized**

Emissions reduction target

#### Comment

Both our Chief Sustainability Officer (CSO) and the Chief Technical Officer (CTO) are part of the corporate executive team and their performance is linked to climate protection performance.

#### Who is entitled to benefit from these incentives?

All employees

# Types of incentives

Recognition (non-monetary)

# **Activity incentivized**

Emissions reduction project

#### Comment

TCCC and its bottling partners have internal awards to recognize employees and project teams across The Coca-Cola System who achieve energy efficiencies, emissions reductions and internal efficiency target and emissions achievements as part of their personal or team performance and excellence. As an example, our Quality, Safety and Environment Pillar within our Technical function hosts an annual award, open to all employees from across the Coca-Cola System participating in relevant projects, in which 3 winning projects are chosen in the Environment category, which contribute to significant progress in achieving our 2020 environment goals. Each of our environmental goals are either directly or indirectly linked to our overall emissions reduction goal across the full value chain.

#### Who is entitled to benefit from these incentives?

Environment/Sustainability manager

#### Types of incentives

Recognition (non-monetary)

# **Activity incentivized**

Emissions reduction target

#### Comment

TCCC and its bottling partners have internal governance structures to facilitate communication and strategy, share best-practice, and recognize achievements within our bottling operations across the globe. There are monthly conference calls to convene relevant staff globally on energy efficiency, energy reduction, and renewable energy projects facilitated by our global technical team, as well as a global environmental council, which convenes monthly and annually in-person to share best practice and



recognize achievements, as well as formulate strategies on progressing emissions reduction and energy reduction on a monthly basis. This organization sits within the global supply chain organization and its achievements are recognized within that structure, as well as feeding into the global supply chain strategy.

# Who is entitled to benefit from these incentives?

Environmental, health, and safety manager

# Types of incentives

Recognition (non-monetary)

# **Activity incentivized**

Energy reduction target

Comment

# C2. Risks and opportunities

# C2.1

# (C2.1) Describe what your organization considers to be short-, medium- and long-term horizons.

	From (years)	To (years)	Comment
Short-term	0	2	
Medium-term	2	5	
Long-term	5	10	

# C2.2

(C2.2) Select the option that best describes how your organization's processes for identifying, assessing, and managing climate-related issues are integrated into your overall risk management.

Integrated into multi-disciplinary company-wide risk identification, assessment, and management processes

# C2.2a

(C2.2a) Select the options that best describe your organization's frequency and time horizon for identifying and assessing climate-related risks.

Frequency of	How far into the	Comment
monitoring	future are risks	
	considered?	



Row	Six-monthly	>6 years	The Company has multiple routines to ensure potential key
1	or more		risks including climate change are evaluated regularly. At
	frequently		the local level, risk management process leads facilitate the
	1.2.7		identification of new and emerging risks, ensure on-going
			dialogue, and track progress of risk treatments. The
			prioritization process considers risk likelihood and
			consequence, which can include but is not limited to
			materiality, financial impact, business disruption and/or
			reputation. Top risks resulting from this process are shared
			and discussed with Company leadership. Centrally, a Risk
			Steering Committee, a cross-functional team of senior
			leaders, meets every other month to discuss potential key
			risks and ensure effectiveness of risk treatment plans. The
			Risk Steering Committee also completes a comprehensive
			strategic risk assessment to prioritize the Company's top
			enterprise risks. Each business unit, function or department
			is responsible for actively managing and monitoring their
			respective risks.

# C2.2b

# (C2.2b) Provide further details on your organization's process(es) for identifying and assessing climate-related risks.

Inherent in the Board's responsibilities is an understanding and oversight of the various risks facing the Company, including climate-related risks. Effective risk oversight is an important priority of the Board, which has implemented a risk governance framework designed to understand critical risks in the Company's business and strategy, allocate responsibilities for risk oversight among the full Board and its committees; evaluate the Company's risk management processes and whether

they are functioning adequately, facilitate open communication between management and Directors, and foster an appropriate culture of integrity and risk awareness. The Board implements its risks oversight function both as a whole and through delegation to Board committees, which meet regularly and report back to the full Board. (Proxy, p. 27-8)

The Audit Committee of the Board of Directors oversees the Enterprise Risk Management program and discusses all top risks at the April meeting of the Board of Directors each year. Then, in subsequent meetings the full Board of Directors and/or appropriate committees review in greater detail those risk themes which are deemed most significant. (Proxy, p. 27-8)

While the Board and its committees oversee risk management, Company management is charged with managing risk. The Company has robust internal processes and an effective internal control environment that facilitate the identification and management of risks and regular communication with the Board. These include, but are not limited to, an Enterprise Risk Management program and Risk Steering Committee, and a comprehensive internal and external audit process. The Board and the Audit Committee monitor and oversee the evaluation



of the effectiveness of the internal controls and the risk management program. Management communicates routinely with the Board, Board committees and individual Directors on the significant risks identified and how they are being managed. Directors are free to, and indeed often do, communicate directly with senior management. (Proxy, p. 27-28)

Each operating unit is required to develop a risk register, in which the top 3 to 8 risks are listed. The register must include context surrounding the risk, key drivers, assessed likelihood of materialization, consequences of materialization, and an action plan to eliminate or mitigate the risk. The register must be updated at minimum every six months and submitted to the Corporate center semi-annually via the Risk Connect tool. This is done by members of various business functions at the operating unit level, including Public Affairs, Technical, QSE (Quality, Safety, and Environment), and Finance. A dedicated risk management professional curates the risk register, assesses the submitted risks with subject matter experts across the Corporate Center, and presents them to the Board of Directors.

The risk management process described above applies to all enterprise risks, including, but not limited to those that are climate-related. Apart from this process, Quality, Safety & Environment managers and their Public Affairs, Communications, and Sustainability counterparts monitor climate-related risks that are specific to their markets, as well as the implementation of climate-related company initiatives. Risks, and their corresponding mitigation strategies, are incorporated into local business planning and are communicated to regional and global leadership via regularly scheduled phone calls and visits by regional leadership and established communications routines with the corporate center.

# C2.2c

# (C2.2c) Which of the following risk types are considered in your organization's climate-related risk assessments?

	Relevance & inclusion	Please explain
Current regulation	Relevant, always included	We are not currently impacted, but carbon pricing, and the future sourcing of energy-intensive raw materials could result in an increase in energy prices.  Public Affairs managers monitor the regulatory environment.  Procurement managers monitor issues around the sourcing of raw ingredients.
Emerging regulation	Relevant, always included	We are not currently impacted, but could be as new carbon pricing mechanisms appear in the future.  Public Affairs managers monitor the regulatory environment.



Technology	Relevant, always included	The development of renewable energy technology, energy-efficient refrigeration or other technologies, as well as other low carbon technologies are explored, mostly in the context of emissions reduction opportunity.
Legal	Relevant, always included	
Market	Relevant, always included	The weather-related ability of goods to be delivered to market, and the ability of customers to travel to market was evaluated in the development with Business for Social Responsibility (BSR) of a Strategy Framework for Building Climate Resilience across the TCCC global system and value chain.  Local bottling and distribution partners assess relevant risks in this area and develop contingency plans.
Reputation	Relevant, always included	TCCC's goal to reduce emissions of the "Drink In Your Hand" by 25% by 2020 was developed with the understanding that good climate stewardship decreases reputation risks.  Reputation risks related to climate are assessed monitored by Public Affairs, Communications and Sustainability managers via public perception surveys.
Acute physical	Relevant, always included	These are included in the Enterprise Risk Management process. They were also evaluated in the development with Business for Social Responsibility (BSR) of a Strategy Framework for Building Climate Resilience across the TCCC global system and value chain.
Chronic physical	Relevant, always included	These are included in the Enterprise Risk Management process. They were also evaluated in the development with Business for Social Responsibility (BSR) of a Strategy Framework for Building Climate Resilience across the TCCC global system and value chain.
Upstream	Relevant, always included	Upstream risks were evaluated in the development with Business for Social Responsibility (BSR) of a Strategy Framework for Building Climate Resilience across the TCCC global system and value chain.
Downstream	Relevant, always included	Downstream risks were evaluated in the development with Business for Social Responsibility (BSR) of a Strategy Framework for Building Climate Resilience across the TCCC global system and value chain.



# C2.2d

# (C2.2d) Describe your process(es) for managing climate-related risks and opportunities.

The Company has multiple routines to ensure potential key risks, including climate change, are evaluated on a regular basis. At the local level, risk management process leads facilitate the identification of new and emerging risks, ensure on-going leadership team risk dialogue, and track progress of risk treatments (mitigation strategies and action plans). The prioritization process considers risk likelihood and consequence to the business, which can include but is not limited to materiality, financial impact, business disruption and/or reputation. Top risks resulting from this process are summarized, shared, and discussed with Company leadership. Centrally, a Risk Steering Committee, which is comprised of a cross-functional team of senior leaders, meets every other month to discuss potential key risks and ensure the effectiveness of risk treatment plans and strategies for top risks. The Risk Steering Committee also completes a comprehensive strategic risk assessment to prioritize the Company's top enterprise risks. Each business unit, function or department is responsible for actively managing and monitoring their respective risks throughout the year. Relevant risks that could materially affect our business and financial results are disclosed in the Annual Report on Form 10-K. This includes risks and uncertainties relating to global climate change and its potential impacts to our business, such as those related to energy consumption, water consumption, process emissions and wastes, fleet operations, packaging waste, natural hazards, among many others.

The prioritization process of risk is supported by a standard 5-point assessment scale for both likelihood and consequence, which results in the creation of a heat-map summary report. Business Continuity Plans for our plants are developed based on this semi-annual Risk Assessment process that identifies the a) likelihood of a risk event and b) impact of that risk event should it occur. The combination of those two components results in a "risk level score" which drives our Business Continuity Planning requirements by Plant. Higher risk plants require more detailed BCPs.

In 2017 The Coca-Cola Company, in partnership with Business for Social Responsibility (BSR), began developing a Strategy Framework for Building Climate Resilience across the TCCC global system and value chain. The purpose of the framework is to enable the company to anticipate, avoid, accommodate, and recover from climate risks inside our operations, across our supply chains, and within the communities on which our business depends, recognizing that increasing our climate resilience is an essential component of the company's business and sustainability evolution. As such, the aim is to build a climate resilience strategy that will integrate into existing sustainability and business strategies, as well as a prioritized and clearly charted course for implementation of that strategy. The Strategy Framework will be driven by the vision of a more climate-resilient TCCC system, specifically the ability to more sustainably source ingredients, the resilience of physical assets against climate-related impacts, bottling partners' preparedness for climate-related impacts, the reduction of in-market infrastructure risks, resilience in our communities, and articulation of how our programs contribute to value chain and societal resilience.



Over several months BSR worked with TCCC to assess key climate-related risks and opportunities via benchmarking against similar companies, internal interviews for assessment and alignment, a comprehensive resilience assessments of 7 key markets, and an assessment of two commodities particularly vulnerable to climate change.

These assessments informed the Risk Framework and Strategy Development, which prioritizes risks and actions, maps existing business and sustainability assets to risks and identified gaps, and outlines the approach for developing a broader sustainability strategy that incorporates climate resilience. The taxonomy and language for the risk framework were aligned with the recommendations of the Taskforce for Climate-related Financial Disclosures.

# 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?

Supply chain

# Risk type

Physical risk

#### Primary climate-related risk driver

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

# Type of financial impact driver

Increased operating costs (e.g., inadequate water supply for hydroelectric plants or to cool nuclear and fossil fuel plants)

# Company- specific description

Water is a limited natural resource in many parts of the world, and our Company recognizes water availability, quality and sustainability, for both our operations and also the communities where we operate, as one of the key challenges facing our business. Climate change may exacerbate water scarcity and cause a further deterioration of water quality in affected regions, which could limit water availability for the Coca-Cola system's bottling operations.

#### **Time horizon**



Long-term

#### Likelihood

More likely than not

# Magnitude of impact

High

# Potential financial impact

0

# **Explanation of financial impact**

At this time, due to commercial reasons, we are unable to disclose any information regarding the potential financial impact of this risk.

# Management method

The Coca-Cola Company partners with multiple organizations globally to implement programs that replenish the water we use in our operations and improve watershed management and treatment.

In 2017, we replenished water equivalent to 150% of our reported sales volume. Moreover, we have continued to increase the Replenish benefits on a year-on-year basis, growing the water we returned to nature and communities from 221 billion liters in 2016 to 248 billion liters in 2017. This work is accomplished through a total of 265 partnership projects globally across our three intervention areas: watershed protection, improving farmers' productive use of water, and increasing access to water and sanitation for communities.

In addition to these sources, in 2017 The Coca-Cola Company, in partnership with Business for Social Responsibility (BSR), developed a Strategy Framework for Building Climate Resilience across the TCCC global system and value chain. The purpose of the framework is to enable the company to anticipate, avoid, accommodate, and recover from climate risks inside our operations, across our supply chains, and within the communities on which our business depends, recognizing that increasing our climate resilience is an essential component of the company's business and sustainability evolution.

# Cost of management

300,000,000

#### Comment

This number only represents the funding The Coca-Cola Company has invested in community water projects. However, the total costs of implementing our broader strategy in water leadership, including water efficiency improvements and waste water treatment and other water risk management projects is not included.



Risk 2

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

Supply chain

# Risk type

Physical risk

# Primary climate-related risk driver

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

# Type of financial impact driver

Reduced revenue from decreased production capacity (e.g., transport difficulties, supply chain interruptions)

# Company- specific description

The Coca-Cola Company and our bottling partners use a number of key ingredients that are derived from agricultural commodities such as sugarcane, corn, sugar beets, citrus, coffee and tea in the manufacture and packaging of our beverage products. Increased demand for food products and decreased agricultural productivity in certain regions of the world as a result of changing weather patterns may limit the availability or increase the cost of such agricultural commodities and could impact the food security of communities around the world. If we are unable to implement programs focused on economic opportunity and environmental sustainability to address these agricultural challenges and fail to make a strategic impact on food security through joint efforts with bottlers, farmers, communities, suppliers and key partners, as well as through our increased and continued investment in sustainable agriculture, the affordability of our products and ultimately our business and results of operations could be negatively impacted.

# **Time horizon**

Medium-term

#### Likelihood

More likely than not

# Magnitude of impact

Medium-high

# Potential financial impact

0

# **Explanation of financial impact**

At this time, due to commercial reasons, we are unable to disclose the potential financial impact of this risk.

#### Management method

Given the diversity of aspects to consider, and the many aspects with which this topic intersects, including commodities, women's empowerment, economic development, water management, human and labor rights, and energy and climate impacts, we take



an integrated Water-Energy-Food Nexus approach, with the following four areas of focus:

- 1. Embedding sustainability into ingredient-procurement decisions.
- 2. Developing and implementing crop-specific programs to enhance the economic well-being of farming communities, improve yields and protect natural resources across the supply chain.
- 3. Building industry-wide collaborations to gain alignment and affect change in the agricultural sector.
- 4. Driving change through partnerships.

# Case study:

In addition to working towards sustainably sourcing 100% of our key ingredients, many projects are underway. One is in Morocco, below.

Coca-Cola and UN Women, with support from The Coca-Cola Foundation launched a program aiming to build capacity and technical knowledge among women farmers, especially in terms of agro-ecological, climate change resilient practices, as well as training women farmers to manage their cooperatives and income-generating activities. With nearly 3 million dirhams invested (\$300,000), the program allowed the financial autonomy of 50 women leaders and members of two agricultural cooperatives. For the year 2018-2019, the program is targeting around 70 direct participants and 260 indirect beneficiaries in southern Morocco.

# Cost of management

0

#### Comment

At this time, due to commercial reasons, we are unable to disclose the total cost of management for this risk.

# Identifier

Risk 3

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

Customer

# Risk type

Physical risk

# Primary climate-related risk driver

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

# Type of financial impact driver

Increased capital costs (e.g., damage to facilities)

# Company- specific description

Two important factors on which The Coca-Cola Company's success depends are our bottling partners' financial strength, which is affected in large part by conditions and



events that are beyond our and their control, and also on our ability to grow our business in emerging and developing markets, which in turn depends on economic and political conditions in those markets and on our ability to work with local bottlers to make necessary infrastructure enhancements to production facilities, distribution networks, sales equipment and technology.

Studies have shown that certain geographies (such as coastal regions), as well as emerging and developing markets are more vulnerable to the impacts of climate change, given their potential exposure to physical hazards, as well as possible challenges in recovering from or withstanding these hazards. Working with the communities in which we operate to assist in their resilience and recovery following extreme weather events is critical in maintaining the success of our business.

#### Time horizon

Current

### Likelihood

More likely than not

# Magnitude of impact

Medium

# Potential financial impact

0

# **Explanation of financial impact**

At this time, due to commercial reasons, we are unable to disclose the potential financial impact of this risk.

# Management method

The most significant risks at a given location are recorded in a local risk register for active management. Business Continuity Plans for our plants are developed based on the semi-annual Risk Assessment process that identifies the a) likelihood of a risk event and b) impact of that risk event should it occur. The combination of those two components results in a "risk level score" which drives our Business Continuity Planning requirements by Plant. Higher risk plants require more detailed BCPs, which in this case would include contingency planning if supply and operations are compromised due to unfavorable weather conditions.

Puerto Rico case study: In response to the devastaion caused by Hurricane Maria to Puerto Rico in 2017, local Company and bottling partner facilities were able to restart production and provide aid to the communities in which they operate. As part of the Company's commitment to support our people and our communities during this difficult time, repairing the water treatment system constituted a priority. Once operational, we provided water to employees and to the city of Cidra. The city collected approximately 20,000 gallons (70,000 liters) of potable water a day from our facility.

This was the result of multiple preparedness measures (Business Continuity Plans) that had been previously implemented and rapid adaptation after the hurricane. As part of Coca-Cola's approach to business



# **Cost of management**

0

#### Comment

At this time, due to commercial reasons, we are unable to disclose the costs of management. However, some activities are listed below.

Coca-Cola Puerto Rico Bottlers (CCPRB) had invested for years in vertically integrating its supply chain, including the self-manufacturing of key packaging items to minimizing dependence on the U.S. mainland for supplies. The ability to produce CO2 and packaging as well as the capacity to store large amounts of High Fructose Corn Sweetener allowed the CCPRB's bottling plants in Cayey and Cidra bottling plants to start producing within days despite significant exterior damages to the buildings. After the storm, Business Continuity Plans inclued receiving concentrate from other CPS locations around the world, or a caravan of Coca-Cola trucks distributing emergency food packets and beverages including water to more than 10,000 households, which we were able to produce, due to the installation of 13 generators between both plants.

#### Identifier

Risk 4

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

Supply chain

# Risk type

Transition risk

# Primary climate-related risk driver

Market: Increased cost of raw materials

# Type of financial impact driver

Market: Increased production costs due to changing input prices (e.g., energy, water) and output requirements (e.g., waste treatement)

# Company- specific description

The prices for many key raw materials, particularly ingredients, packaging materials, aluminum cans and other containers fluctuate depending on market conditions. Substantial increases in the prices of our or our bottling partners' ingredients, packaging materials, aluminum cans and other containers to the extent they cannot be recouped through increases in the prices of finished beverage products, could increase our and our bottling partners' operating costs and reduce our profitability. Increases in the prices of our finished products resulting from a higher cost of ingredients, other raw materials, packaging materials, aluminum cans and other containers could affect affordability in some markets and reduce Coca-Cola system sales.

An increase in the cost, a sustained interruption in the supply, or a shortage of some of these ingredients, packaging materials, aluminum cans and other containers may be caused by events such as natural disasters or power outages, which could increase in



frequency as a result of climate change and negatively impact our net operating revenues and profits.

#### Time horizon

Long-term

#### Likelihood

More likely than not

# Magnitude of impact

Medium

# Potential financial impact

0

# **Explanation of financial impact**

At this time, due to commercial reasons, we are unable to disclose the potential financial impact of this risk.

# Management method

This risk is managed through the Enterprise Risk Management program and Business Continuity Plans, as well as through the business planning processes of our strategic purchasing function. It was also considered as part of the 2017 work with BSR to develop a strategy framework for building climate resilience at TCCC.

#### Case studies:

Plantbottle: By producing fully recyclable PET bottles made partially from plants we are able to reduce our production emissions increase the security of our supply. In 2017, we distributed over 10 billion Plantbottles, bringing the total to more than 60 billion since program inception. Plantbottle has been introduced in over 40 markets and in 35 brands.

World Without Waste: this program aims to help collect and recycle one bottle or can for each one we produce by 2020 and will contribute to a more circular packaging supply chain, avoiding reliance on fossil fuel resources.

Renewable Energy: Multiple bottling partners have made progress against their renewable energy goals.

Coca-Cola FEMSA - 85% clean generation by 2020 (37% in 2017, 100% in Brazil)

Arca Continental - 30% renewable energy by 2020 (25% in 2017)

Hindustan Bottling - 40% energy by 2018 (35% in 2017)

Coca-Cola Hellenic - 40% energy by 2020 (34% in 2017)

Coca-Cola European Partners - 100% electricity by 2020 (87% in 2017), 40% energy by 2020

Our concentrate facilities continue making progress on renewable energy use. There are currently 9 live projects across 7 plants.

#### Cost of management

0

#### Comment



At this time, due to commercial reasons, we are unable to disclose the cost of managing this risk.

#### **Identifier**

Risk 5

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

Direct operations

# Risk type

Transition risk

# Primary climate-related risk driver

Policy and legal: Other

# Type of financial impact driver

Policy and legal: Increased operating costs (e.g., higher compliance costs, increased insurance premiums)

# Company- specific description

Our Company's business is subject to various laws and regulations in the numerous countries throughout the world in which we do business, including laws and regulations relating to the protection of the environment. Changes in applicable laws or regulations or evolving interpretations thereof, including increased or additional regulations to limit carbon dioxide and other greenhouse gas emissions as a result of concern over climate change, may result in increased compliance costs, capital expenditures and other financial obligations for us and our bottling partners, which could affect our profitability, or may impede the production, distribution, marketing and sale of our products, which could affect our net operating revenues.

At this time, climate change regulation as a direct policy risk to our company is relatively low, for example, while we operate in many countries that are taking action on climate change with carbon taxes, cap and trade schemes and other market mechanisms, none of the current or proposed regulations apply directly to operations of The Coca-Cola Company or the Coca-Cola system. Many/most have applicability thresholds that are considerably higher than the direct emissions from our operations.

On the other hand, across our entire Coca-Cola system, there is a risk that energy markets are affected by such climate change-related policies and that our traditional routes of energy sourcing may be affected. This, in some cases may appear as opportunities to take up renewable energy sources, driven by regulatory incentivization.

# **Time horizon**

Long-term

#### Likelihood

About as likely as not



# Magnitude of impact

Medium-low

# Potential financial impact

0

# **Explanation of financial impact**

At this time, due to commercial reasons, we are unable to disclose the potential financial impact of this risk.

# Management method

We monitor developments through our Public Policy teams' monthly reviews. Additionally, across our Coca-Cola system, we're working to advance our investments in renewable energy, which in some cases presents an opportunity driven by regulatory incentivization. This is driven through our global carbon footprint reduction goal (C4.1) as well as through strategic business planning at each market level. At a central (corporate) level, we have created a Clean Energy Toolkit to help our local teams make informed decisions on potential investment opportunities.

Case Studies: CPS, the concentrate arm of Coca-Cola, has 9 live renewable energy projects across 7 plants, including 2 that went live in India and Pakistan in 2017. 5 of our key bottling partners have their own renewable energy targets, and their efforts are captured under the manufacturing pillar of our value chain carbon reduction goal (C4.1). Coca-Cola Amatil in Fiji is generating around 40% of its facility's energy requirements from solar, following the installation of over 3,860 solar panels. After the 2nd stage, it is anticipated 80 percent will come from solar.

Key bottler targets:

Coca-Cola FEMSA - 85% clean generation by 2020 (37% in 2017, 100% in Brazil)

Arca Continental - 30% renewable energy by 2020 (25% in 2017)

Hindustan Bottling - 40% energy by 2018 (35% in 2017)

Coca-Cola Hellenic - 40% energy by 2020 (34% in 2017)

Coca-Cola European Partners - 100% electricity by 2020 (87% in 2017), 40% energy by 2020.

# Cost of management

0

#### Comment

At this time, due to commercial reasons, we are unable to disclose the cost of managing this risk.

# 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

Use of recycling

# Type of financial impact driver

Other, please specify

Reduced operating costs in the long term

# Company- specific description

Bottlers of our beverage products presently offer and use nonrefillable recyclable containers in various markets around the world. Some of these bottlers also offer and use refillable containers, which are also recyclable. Legal requirements apply in various jurisdictions requiring that deposits or certain ecotaxes or fees be charged in connection with the sale, marketing and use of certain beverage containers. While the precise requirements imposed by these measures vary, if these measures are designed in a way that effectively increases the collection and recycling of nonrefillable containers, supports the use of increased recycled content in our packaging and supports the efficient use of refillable containers where they are used, we consider this as an opportunity to drive towards our 2030 goals to collect one package for every one we put on the market and include an average of 50% recycled content all of our primary packaging globally, driving a significant reduction in emissions associated with the packaging of our products, which we currently report within our Scope 3 emissions.

Specifically, packaging accounts for roughly one third of the carbon footprint across our value chain. Of this one third, our calculations show that roughly half can be attributed to aluminum cans and just under a quarter each can be attributed to plastic and glass. While the exact figure is dependent on the packaging material as well as the technology and infrastructure in use, recycling saves a significant amount of energy and emissions in comparison with virgin materials. In addition, we are optimistic about a cost benefit in the long term, as costs for collection and recycling become competitive with virgin materials, with the potential of additional costs being associated with extractive or fossilfuel derived materials due to their impact on the climate and environment. Furthermore, in light of the focus on this issue in the media and by civil society actors



and consumers, our continued engagement and ambitious goal setting in this area will not only help to reduce emissions within our value chain, but also serve to protect corporate reputation and the value of our brands.

#### Time horizon

Current

#### Likelihood

Very likely

# Magnitude of impact

Medium-high

# Potential financial impact

0

# **Explanation of financial impact**

At this time, due to commercial reasons, we are unable to disclose the potential financial impact.

# Strategy to realize opportunity

Our strategy to realize this opportunity is our global World Without Waste program, as well as initiatives in place around the sustainability of our packaging.

- All 17 Business Units (geographical) have each developed their action plans, aligned with the global targets.
- We are working with our packaging suppliers through the CDP Supply Chain program to understand the opportunities of lower carbon sources such as renewable energy and energy-efficient production.
- Our R&D team is evaluating new recycling technologies on an ongoing basis and recently, DEMETO (developers of the gr3n technology for chemical recycling), announced that The Coca-Cola Company joined their Industrial Advisory Board.
- In Mexico, our bottled water brand, Ciel, is now available in a 100% rPET bottle, which builds on the extremely strong collection and conversion infrastructure that our system has financed over the past decade. In Australia, our Mount Franklin water brand is also now available in 100% rPET, and we are launching our water brand in Hong Kong in 100% rPET later this year.
- In the innovation space, we have expanded our "package-less" delivery model for beverages, our innovative Freestyle technology to more than 50,000 machines serving 14 million drinks daily, with continued expansion into Europe and Latin America.
- Our procurement team is leading the analysis of the landscape and strategy for sourcing virgin and recycled content material.

#### Cost to realize opportunity

0

# Comment

At this time, due to commercial reasons, we are unable to disclose the cost to realize the opportunity.



#### Identifier

Opp2

# Where in the value chain does the opportunity occur?

Direct operations

# **Opportunity type**

Energy source

# Primary climate-related opportunity driver

Use of lower-emission sources of energy

# Type of financial impact driver

Reduced exposure to future fossil fuel price increases

# Company- specific description

The Coca-Cola Company's syrup and juice production plants, bottling plants, and distribution facilities, as well as our independent bottling partners' bottling plants and distribution facilities use a significant amount of electricity, natural gas and other energy sources for operation. An increase in the price, disruption of supply or shortage of fuel and other energy sources in countries in which we have concentrate plants, or in any of the major markets in which our Company-owned or -controlled bottlers, or independent bottling partners' bottling plants operate, would increase our operating costs and negatively impact our profitability.

Across our entire Coca-Cola system, driven by the potential for increased energy security, financial incentives, or through emissions reduction and sustainability considerations, both our own operating facilities and some of our major bottling partners have invested in renewable energy projects, with some of our major bottling partners announcing renewable energy and electricity targets. The Coca-Cola Company's progress is described in the "Strategy to Realize Opportunity" question. One example of a bottling partner within the Coca-Cola System making important progress is Coca-Cola Amatil in Fiji, which has launched a project in 2017 that generates around 40 percent of its Suva manufacturing facility's total energy requirements from the sun, following the installation of over 3,860 solar panels on the roof of the building. The 1.1 megawatt solar system produces 1,408,000 kilowatt hours of energy per year, saving 974 tons of CO2 annually – the equivalent of saving 414,722 liters of diesel per year or planting 24,964 trees. When the second stage of the project is complete, it is anticipated 80 percent of the site's energy needs will be solar powered.

# **Time horizon**

Medium-term

#### Likelihood

More likely than not

# Magnitude of impact



Medium

# Potential financial impact

0

# **Explanation of financial impact**

At this time, due to commercial reasons, we are unable to disclose the potential financial impact.

# Strategy to realize opportunity

We have created a Clean Energy Toolkit to help our local teams make informed decisions on potential investment opportunities, and we have been working locally in several markets to embrace renewable energy initiatives.

CPS, the concentrate arm of Coca-Cola, has 9 live renewable energy projects across 7 plants. In 2017, the solar installation in Pakistan went live, providing about 9% of the plant's total energy, and in India, 7% of the plant's total energy use and more than 10% of electricity comes from the new solar installation. This will double when the additional solar panels begin producing in the second phase of the project.

Activity in this area at our key bottling partners:

Coca-Cola Amatil in Fiji is generating around 40% of its facility's energy requirements from solar, following the installation of over 3,860 solar panels. After the 2nd stage, it is anticipated 80 percent will come from solar.

Key bottler targets:

Coca-Cola FEMSA - 85% clean generation by 2020 (37% in 2017, 100% in Brazil)

Arca Continental - 30% renewable energy by 2020 (25% in 2017)

Hindustan Bottling - 40% energy by 2018 (35% in 2017)

Coca-Cola Hellenic - 40% energy by 2020 (34% in 2017)

Coca-Cola European Partners - 100% electricity by 2020 (87% in 2017), 40% energy by 2020

# Cost to realize opportunity

0

#### Comment

At this time, due to commercial reasons, we are unable to disclose the cost to realize opportunity.

#### Identifier

Opp3

# Where in the value chain does the opportunity occur?

Customer

# **Opportunity type**

Energy source



# Primary climate-related opportunity driver

Use of new technologies

# Type of financial impact driver

Reputational benefits resulting in increased demand for goods/services

# Company- specific description

As a beverage company, sustainable refrigeration is a key opportunity for The Coca-Cola Company. International agreements may include mandatory requirements and/or incentives that increase the return of low-carbon technology investments. Future regulations on energy pricing may impact company operations and make our energy efficiency and renewable energy investments more competitive; climate change regulations could influence the cost of refrigerants and improve the return of our eKOfreshment (sustainable refrigeration) program.

Refrigeration is the single biggest estimated source of our system's carbon emissions footprint. The company has approached this as an innnovation opportunity and has worked to improve the environmental performance of our refrigeration equipment. Since 2000, we have improved our cooling equipment energy efficiency by 40 percent; and we have eliminated 75 percent of direct greenhouse gas (GHG) emissions by transitioning to HFC-free insulation foam for new equipment.

#### Time horizon

Current

#### Likelihood

Very likely

#### Magnitude of impact

Medium-high

# Potential financial impact

0

#### **Explanation of financial impact**

At this time, due to commercial reasons, we are unable to share the potential financial impact.

#### Strategy to realize opportunity

A major focus for improvement has been phasing out hydrofluorocarbon (HFCs) refrigerants, using natural refrigerant fluids, in our cold-drink equipment across our global value chain. In 2017, The Coca-Cola Company and its bottlers introduced 730,876 units of HFC-free refrigeration equipment, adding up to a total of around 3.2 million HFC-free coolers and vending machines that we have introduced into the marketplace since the program began.

In addition, we have more than 5.6 million intelligent energy management devices in use on our refrigeration equipment, reducing customer electricity consumption and saving them an estimated \$400 million annually and delivering corresponding emissions



reductions of approximately 3.1 million metric tons per year.

All told, the Coca-Cola system has invested more than \$100 million over the past decade to make our coolers more environmentally responsible. We have certified 280 cooler models as meeting our performance standards. More than three-quarters of these certified models are more energy-efficient than legacy models, and 60 percent have a higher cooling capacity. Nearly 40 percent are certified to perform in hot or humid conditions.

# Cost to realize opportunity

100,000,000

#### Comment

All told, the Coca-Cola system has invested more than \$100 million over the past decade to make our coolers more environmentally responsible. We have certified 280 cooler models as meeting our performance standards. More than three-quarters of these certified models are more energy-efficient than legacy models, and 60 percent have a higher cooling capacity. Nearly 40 percent are certified to perform in hot or humid conditions.

# **Identifier**

Opp4

# Where in the value chain does the opportunity occur?

Customer

# **Opportunity type**

Products and services

# Primary climate-related opportunity driver

Shift in consumer preferences

# Type of financial impact driver

Better competitive position to reflect shifting consumer preferences, resulting in increased revenues

#### Company- specific description

Consumers are taking into account a company's environmental stewardship performance when making purchasing decisions. The more proactive we are the more we can increase our sales to consumers that show a preference for increased environmental stewardship. For example, The Coca-Cola Company has invested in PlantBottle™ technology as a way to reduce the material carbon impact of petroleum-based plastics, and we consider this to be a potential opportunity.

#### **Time horizon**

Current

### Likelihood



Very likely

# Magnitude of impact

Medium

# Potential financial impact

O

# **Explanation of financial impact**

At this time, due to commercial reasons, we are unable to disclose the potential financial impact.

# Strategy to realize opportunity

One of the most substantial examples of product innovation resulting from climate change strategies has been the implementation of PlantBottle™ technology. It is an example of our long-term strategy, which accounts for climate change possibly causing increased volatility in fossil fuel-dependent commodities. It produces one of two inputs for making PET plastic from plant-based feedstock instead of petrochemicals so that the resulting plastic bottle is made from up to 30% plant-based material, reducing the impact on the environment and carbon emissions.

The innovative PlantBottle Technology™ has resonated with consumers, helped boost sales, generated headlines, and earned sustainable and innovation awards. In 2017, we distributed over 10 billion Plantbottles, bringing the total to more than 60 billion since program inception. Plantbottle has been introduced in over 40 markets and in 35 brands.

From inception, through to the development of a commercial supply chain, we envisioned licensing PlantBottle Technology to non-competitive companies, based on the belief that we have a responsibility to work with others on solutions to our collective environmental challenges. In 2011, The Coca-Cola Company licensed PlantBottle Technology to H.J. Heinz for use in its ketchup bottles. In 2013, Ford Motor Company announced plans to use the same renewable material found in PlantBottle packaging in the fabric interior in certain test models.

# Cost to realize opportunity

0

# Comment

At this time, due to commercial reasons, we are unable to disclose the cost to realize opportunity.

# C2.5

# (C2.5) Describe where and how the identified risks and opportunities have impacted your business.



Products and	Impacted for some	Consumers are taking into account a company's environmental
services	suppliers, facilities, or product lines	stewardship performance when making purchasing decisions. The more proactive we are the more we can increase our sales to consumers that show a preference for increased environmental stewardship. For example, The Coca-Cola Company has invested in PlantBottle™ technology as a way to reduce the material carbon impact of petroleum-based plastics, and we consider this to be a potential opportunity.  As owners of some of the most valuable brands globally, consumer perception of our brands and products is critical to our performance as a business. Today, we are operating in a world that is under increasing scrutiny from a variety of stakeholders, including customers, communities, civil society, governments and investors. Technology-driven transparency is opening up a company's activity to examination by consumers and other stakeholders. Consumers and stakeholders today ask more about the products they purchase, and the companies they purchase from. They also expect companies to manage their impacts on the world, including their contribution to climate change. Stakeholder expectation for companies such as ours to act on climate change is high enough that any perceived inaction on climate change could have significant impacts on our corporate reputation and on the demand for our products and
		contribute to lower sales, which could have an adverse effect on our performance results.
Supply chain and/or value chain	Impacted for some suppliers, facilities, or product lines	The Coca-Cola Company and our bottling partners use a number of key ingredients that are derived from agricultural commodities such as sugarcane, com, sugar beets, citrus, coffee and tea in the manufacturing and packaging of our beverage products. Increased demand for food products and decreased agricultural productivity in certain regions of the world as a result of changing weather patterns may limit the availability or increase the cost of such agricultural commodities and could impact the food security of communities around the world. Both our sustainable agriculture program and our economic empowerment programs are focused on economic opportunity and environmental sustainability to address these agricultural challenges, to make a strategic impact on food security through joint efforts with bottlers, farmers, communities, suppliers and key partners, as well as through our increased and continued investment in sustainable agriculture and the affordability of our products. As a result, not only do we help to build a stronger, more efficient agricultural supply, but we also connect with and empower the communities in which we operate.



A dontation	Impropried for some	Water is a limited natural resource in account of the
Adaptation and mitigation activities	Impacted for some suppliers, facilities, or product lines	Water is a limited natural resource in many parts of the world, and our Company recognizes water availability, quality and sustainability, for both our operations and also the communities where we operate, as one of the key challenges facing our business. Climate change may exacerbate water scarcity and cause a further deterioration of water quality in affected regions, which could limit water availability for the Coca-Cola system's bottling operations.
		Juice and juice concentrate from various fruits, particularly orange juice and orange juice concentrate, are the principal raw materials for our juice and juice drink products. The citrus industry is impacted by greening disease and the variability of weather conditions. In particular, freezing weather or hurricanes in central Florida may result in shortages throughout the industry. In addition, greening disease is reducing the number of trees and increasing grower costs and prices.
		The prices for many key raw materials, particularly ingredients, packaging materials, aluminum cans and other containers fluctuate depending on market conditions. Substantial increases in the prices of our - or our bottling partners' - ingredients, packaging materials, aluminum cans and other containers to the extent they cannot be recouped through increases in the prices of finished beverage products, could increase our and our bottling partners' operating costs and reduce our profitability. Increases in the prices of our finished products resulting from a higher cost of ingredients, other raw materials, packaging materials, aluminum cans and other containers could affect affordability in some markets and reduce Coca-Cola system sales.
		An increase in the cost, a sustained interruption in the supply, or a shortage of some of these ingredients, packaging materials, aluminum cans and other containers may be caused by events such as natural disasters or power outages, which could increase in frequency as a result of climate change and negatively impact our net operating revenues and profits.
Investment in R&D	Impacted	As a beverage company, sustainable refrigeration is a key opportunity for The Coca-Cola Company. International agreements may include mandatory requirements and/or incentives that increase the return of low-carbon technology investments. Future regulations on energy pricing may impact company operations and make our energy efficiency and renewable energy investments more competitive; climate



		change regulations could influence the cost of refrigerants and improve the return of our eKOfreshment (sustainable refrigeration) program.
Operations	Impacted for some suppliers, facilities, or product lines	The Coca-Cola Company derives a significant portion of our revenues from sales of concentrates and syrups to independent bottling partners and, therefore, the success of our business depends on our bottling partners' financial strength and profitability. Our bottling partners' financial condition is affected in large part by conditions and events that are beyond our and their control, and among them is the potential disruptions of bottling operations that may be caused by natural disasters or other catastrophic events, which may increase in frequency as a result of climate change. A deterioration of the financial condition or results of operations of one or more of our major bottling partners could adversely affect our net operating revenues from sales of concentrates and syrups; and, if such deterioration involves one or more of our major equity investee bottling partners, could also result in a decrease in our equity income and/or impairments of our equity method investments.  Our Company's business is subject to laws and regulations relating to the protection of the environment. Changes in applicable laws or regulations or evolving interpretations thereof, including increased or additional regulations to limit carbon dioxide and other greenhouse gas emissions as a result of concern over climate change, may result in increased compliance costs, capital expenditures and other financial obligations.  The Coca-Cola Company's syrup and juice production plants,
		bottling plants, and distribution facilities, as well as our independent bottling partners' bottling plants and distribution facilities use a significant amount of electricity, natural gas and other energy sources for operation. An increase in the price, disruption of supply or shortage of fuel and other energy sources in countries in which we have concentrate plants, or in any of the major markets in which our Company-owned or -controlled bottlers, or independent bottling partners' bottling plants operate, would increase our operating costs and negatively impact our profitability.  The Company's own syrup and concentrate facilities continue making progress on increasing renewable energy use, driven by many of these risks above. There are currently 9 projects across



		7 plants, including a large-scale solar project in planning, as well as mid-sized projects in India and Pakistan.
Other, please	We have not	No others identified
specify	identified any risks or opportunities	

# **C2.6**

# (C2.6) Describe where and how the identified risks and opportunities have factored into your financial planning process.

	Relevance	Description
Revenues	Impacted for some suppliers, facilities, or product lines	The Coca-Cola Company derives a significant portion of our net operating revenues from sales of concentrates and syrups to independent bottling partners and, therefore, the success of our business depends on our bottling partners' financial strength and profitability. Our bottling partners' financial condition is affected in large part by conditions and events that are beyond our and their control, and among them is the potential disruptions of bottling operations that may be caused by natural disasters or other catastrophic events, which may increase in frequency as a result of climate change. A deterioration of the financial condition or results of operations of one or more of our major bottling partners could adversely affect our net operating revenues from sales of concentrates and syrups.  As owners of some of the most valuable brands globally, consumer perception of our brands and products is critical to our performance as a business. Today, we are operating in a world that is under increasing scrutiny from a variety of stakeholders, including customers, communities, civil society, governments and investors. Technology-driven transparency is opening up a company's activity to examination by consumers and other stakeholders. Consumers and stakeholders today ask more about the products they purchase, and the companies they purchase from. They also expect companies to manage their impacts on the world, including their contribution to climate change. Stakeholder expectation for companies such as ours to act on climate change is high enough that any perceived inaction on climate change could have significant impacts on our corporate reputation and on the demand for our products and contribute to lower sales, which could have an adverse effect on our performance results.



		Congumers are taking into against a sampanula
		Consumers are taking into account a company's environmental stewardship performance when making purchasing decisions. The more proactive we are the more we can increase our sales to consumers that show a preference for increased environmental stewardship. For example, The Coca-Cola Company has invested in PlantBottle™ technology as a way to reduce the material carbon impact of petroleumbased plastics, and we consider this to be a potential opportunity.
Operating costs	Impacted for some suppliers, facilities, or product lines	Our Company's business is subject to various laws and regulations in the numerous countries throughout the world in which we do business, including laws and regulations relating to the protection of the environment. Changes in applicable laws or regulations or evolving interpretations thereof, including increased or additional regulations to limit carbon dioxide and other greenhouse gas emissions as a result of concern over climate change, may result in increased compliance costs, capital expenditures and other financial obligations for us and our bottling partners, which could affect our profitability, or may impede the production, distribution, marketing and sale of our products, which could affect our net operating revenues.
		The Coca-Cola Company and our bottling partners use a number of key ingredients that are derived from agricultural commodities such as sugarcane, corn, sugar beets, citrus, coffee and tea in the manufacture and packaging of our beverage products. Increased demand for food products and decreased agricultural productivity in certain regions of the world as a result of changing weather patterns may limit the availability or increase the cost of such agricultural commodities and could impact the food security of communities around the world.
		The prices for many key raw materials, particularly ingredients, packaging materials, aluminum cans and other containers fluctuate depending on market conditions.
		An increase in the cost, a sustained interruption in the supply, or a shortage of some of these ingredients, packaging materials, aluminum cans and other containers may be caused by events such as natural disasters or power outages, which could increase in frequency as a result of climate change and negatively impact our net operating revenues and profits.



Capital expenditures /	Impacted for some suppliers,	Our Company's business is subject to various laws and regulations in the numerous countries throughout the world in
capital allocation	facilities, or product lines	which we do business, including laws and regulations relating to the protection of the environment. Changes in applicable laws or regulations or evolving interpretations thereof, including increased or additional regulations to limit carbon dioxide and other greenhouse gas emissions as a result of concern over climate change, may result in increased compliance costs, capital expenditures and other financial obligations for us and our bottling partners, which could affect our profitability, or may impede the production, distribution, marketing and sale of our products, which could affect our net operating revenues.
Acquisitions and divestments	Not yet impacted	The Coca-Cola Company derives a significant portion of our net operating revenues from sales of concentrates and syrups to independent bottling partners and, therefore, the success of our business depends on our bottling partners' financial strength and profitability. While under our agreements with our bottling partners we generally have the right to unilaterally change the prices we charge for our concentrates and syrups, our ability to do so may be materially limited by our bottling partners' financial condition and their ability to pass price increases along to their customers. Our bottling partners' financial condition is affected in large part by conditions and events that are beyond our and their control, and among them is the potential disruptions of bottling operations that may be caused by natural disasters or other catastrophic events, which may increase in frequency as a result of climate change. A deterioration of the financial condition or results of operations of one or more of our major bottling partners could adversely affect our net operating revenues from sales of concentrates and syrups; and, if such deterioration involves one or more of our major equity investee bottling partners, could also result in a decrease in our equity income and/or impairments of our equity method investments.
Access to capital	Not yet impacted	The Coca-Cola Company derives a significant portion of our net operating revenues from sales of concentrates and syrups to independent bottling partners and, therefore, the success of our business depends on our bottling partners' financial strength and profitability. While under our agreements with our bottling partners we generally have the right to unilaterally change the prices we charge for our concentrates and syrups, our ability to do so may be materially limited by our bottling partners' financial condition and their ability to pass price increases along to their customers. Our bottling partners'



		financial condition is affected in large part by conditions and events that are beyond our and their control, and among them is the potential disruptions of bottling operations that may be caused by natural disasters or other catastrophic events, which may increase in frequency as a result of climate change. A deterioration of the financial condition or results of operations of one or more of our major bottling partners could adversely affect our net operating revenues from sales of concentrates and syrups; and, if such deterioration involves one or more of our major equity investee bottling partners, could also result in a decrease in our equity income and/or impairments of our equity method investments.
Assets	Impacted for some	The Coca-Cola Company derives a significant portion of our
	suppliers,	net operating revenues from sales of concentrates and syrups
	facilities, or	to independent bottling partners and, therefore, the success of
	product lines	our business depends on our bottling partners' financial
		strength and profitability. While under our agreements with our
		bottling partners we generally have the right to unilaterally
		change the prices we charge for our concentrates and syrups,
		our ability to do so may be materially limited by our bottling
		partners' financial condition and their ability to pass price
		increases along to their customers. Our bottling partners'
		financial condition is affected in large part by conditions and events that are beyond our and their control, and among them
		is the potential disruptions of bottling operations that may be
		caused by natural disasters or other catastrophic events,
		which may increase in frequency as a result of climate
		change. A deterioration of the financial condition or results of
		operations of one or more of our major bottling partners could
		adversely affect our net operating revenues from sales of
		concentrates and syrups; and, if such deterioration involves
		one or more of our major equity investee bottling partners,
		could also result in a decrease in our equity income and/or
		impairments of our equity method investments.
Liabilities	We have not	The Coca-Cola Company derives a significant portion of our
	identified any risks	net operating revenues from sales of concentrates and syrups
	or opportunities	to independent bottling partners and, therefore, the success of
		our business depends on our bottling partners' financial
		strength and profitability. While under our agreements with our
		bottling partners we generally have the right to unilaterally
		change the prices we charge for our concentrates and syrups,
		our ability to do so may be materially limited by our bottling
		partners' financial condition and their ability to pass price
		increases along to their customers. Our bottling partners'
		financial condition is affected in large part by conditions and



		events that are beyond our and their control, and among them is the potential disruptions of bottling operations that may be caused by natural disasters or other catastrophic events, which may increase in frequency as a result of climate change. A deterioration of the financial condition or results of operations of one or more of our major bottling partners could adversely affect our net operating revenues from sales of concentrates and syrups; and, if such deterioration involves one or more of our major equity investee bottling partners, could also result in a decrease in our equity income and/or impairments of our equity method investments. However, from the perspective of climate change impacts, we have not identified significant risks in this area.
Other	We have not identified any risks or opportunities	No others identified.

## C3. Business Strategy

## C3.1

(C3.1) Are climate-related issues integrated into your business strategy?
Yes

## C3.1a

(C3.1a) Does your organization use climate-related scenario analysis to inform your business strategy?

Yes, qualitative

C-AC3.1b/C-CE3.1b/C-CH3.1b/C-CO3.1b/C-EU3.1b/C-FB3.1b/C-MM3.1b/C-OG3.1b/C-PF3.1b/C-ST3.1b/C-TO3.1b/C-TS3.1b)

(C-AC3.1b/C-CE3.1b/C-CH3.1b/C-CO3.1b/C-EU3.1b/C-FB3.1b/C-MM3.1b/C-OG3.1b/C-PF3.1b/C-ST3.1b/C-TO3.1b/C-TS3.1b) Indicate whether your organization has developed a low-carbon transition plan to support the long-term business strategy.

In development, we plan to complete it within the next 2 years

## C3.1c

(C3.1c) Explain how climate-related issues are integrated into your business objectives and strategy.

i.



Climate-related issues influence our strategy across our supply chain, both from an adaptation and mitigation perspective.

The potential impacts of climate change are a key driver of our sustainability initiatives such as our program in water leadership, sustainable sourcing, packaging sustainability and circular economy, women's empowerment, as well as in the operational continuity at our plants and at our bottling partners. With the physical and transitional impacts of climate change becoming increasingly tangible, in 2017, we began the development of an overarching strategy framework for adaptation and climate resilience that integrates into our existing sustainability and enterprise risk management framework, in partnership with Business for Social Responsibility (BSR).

From a mitigation perspective, the reputational benefits among consumers and stakeholders as well as the potential short or long-term cost benefits of our ongoing work to reduce GHG emissions across the value chain continue to influence our business strategy. This applies to our work across the value chain, including with our ingredients sourcing, packaging and circular economy strategies, energy efficiency and renewable energy investments in our manufacturing and distribution networks, as well as our work in refrigeration equipment. For each of these programs, governance structures are in place with bottling partners and business units to integrate strategies into the local context of the respective areas of the business.

ii.

The Coca-Cola Company is working to reduce GHG emissions across our value chain by working across the Coca-Cola system, including in our manufacturing processes, packaging, delivery fleet, refrigeration equipment and ingredient sourcing. This is reflected in our Coca-cola System goal to reduce the carbon footprint of the "drink in your hand" by 25% by 2020, against a 2010 baseline, which directly influences business strategy by incentivizing low-carbon decisions across our value chain.

In addition, this value chain framework we use to define our GHG emissions targets has been applied in the process of developing our strategies around adaptation and climate resilience to ensuring consistency and maximize the effectiveness of the framework.

iii.

Packaging accounts for roughly one third of the GHG emissions across our value chain. As such, there is a significant abatement opportunity through recycling and the use of recycled materials. In addition, there is a potential long-term opportunity, as costs of recycling and recycled material use could become competitive with virgin materials, if materials begin to incur costs associated with their climate impact. In 2017, our Company prepared a waste and circular economy strategy called World Without Waste, with an official launch in January 2018. The program set goals for our business to help collect a package for every one we sell, and to move towards 50% recycled material use in all of our consumer packaging globally by 2030. All 17 Business Units have developed action plans aligned with global targets, and we have made progress in engaging our packaging suppliers through the CDP supply chain program to understand opportunities for reducing emissions. We have also launched 100% recycled material packaging in our water brands Ciel in Mexico, and Mount Franklin in Australia with various plans underway in others.

i۷.



In 2017, (a) the need for adaptation and (b) policies favoring renewable energy and (c) cost and reputational benefits of progressing towards emissions reduction targets have influenced our business strategy.

- (a) Hurricane Maria highlighted the relevance of adaptation. Our Business Continuity Plans (BCPs) developed jointly with our bottling partner proved life-saving, indicating the effectiveness of our existing risk assessments and joint BCP developments with bottling partners. Through this program, Coca-Cola Puerto Rico Bottlers (CCPRB) had invested for years in vertically integrating its supply chain, including the self-manufacturing of key packaging materials and carbon dioxide as well as storage, to minimize dependence on outside supply. After the Hurricane, these investments allowed the plants to start producing within days. Both our concentrate plant and the local bottler activated BCPs such as receiving concentrate from other locations and were able to produce a variety of beverages daily, including water, due to the installation of 13 generators between both plants. In partnership with local military, FEMA and others, CCPRB distributed emergency food packets and beverages to more than 10,000 households.
- (b) Policies favorable to renewable energy have driven decisions on solar investments. In India and Pakistan, our concentrate business CPS launched on-site solar generation projects, leveraging tax-incentive investment policies. In Pakistan, the installation provides about 9% of the total energy, and in India, roughly 7% of the energy and 10% of the electricity. This will double with the capacity planned in phase 2.

Favorable economic policies for renewable energy appear to be among the most important indicators for renewable energy uptake at our bottling partners as well. In some cases, energy security and climate change adaptation are also key drivers. As an example, in Fiji, Coca-Cola Amatil generates 40% of the facility's energy requirements from solar. After the 2nd stage, this is expected to double.

Renewables targets and progress at key bottling partners:

- Coca-Cola FEMSA 85% clean generation by 2020 (37% in 2017, 100% in Brazil)
- Arca Continental 30% renewable energy by 2020 (25% in 2017)
- Hindustan Bottling 40% energy by 2018 (35% in 2017)
- Coca-Cola Hellenic 40% energy by 2020 (34% in 2017)
- Coca-Cola European Partners 100% electricity by 2020 (87% in 2017), 40% energy by 2020
- (c) Emissions reductions targets and the associated benefits of reducing emissions, such as energy savings and reputational benefits, have also driven decisions.

Our program for energy efficiency in our manufacturing sites across the system (including bottling partners) continues. Through this program, the system energy efficiency has improved 23% since 2004. Our collaboration with the World Wildlife Fund on a Top 10 Energy Efficiency practices program for our plants has been a key driver, and by the end of 2017, 801 facilities had enrolled. 1/3 of these facilities have completed the program and over half have implemented 7 out of 10 energy efficiency measures.

As the largest source of our GHG emissions, we will continue to reduce the footprint of our refrigeration equipment. Since 2000 we have improved energy efficiency by 40% and eliminated 75% of direct GHG emissions by transitioning to HFC-free. In 2017, The Coca-Cola



Company and its bottlers introduced 730,876 units of HFC-free refrigeration equipment, exceeding a total of 3 million since the program began, saving customers 3.1 million tonnes of emissions annually.

## C3.1d

## (C3.1d) Provide details of your organization's use of climate-related scenario analysis.

Climate-related	Details	
scenarios		
Other, please specify Various climate vulnerability indices	In 2017 The Coca-Cola Company, in partnership with Business for Social Responsibility (BSR), began developing a Strategy Framework for Building Climate Resilience across the TCCC global system and value chain, based on long-term assessments of climate change impacts, by applying various scenarios and potential impacts based on climate vulnerability assessments and other inputs. The purpose of the framework is to enable the Company to anticipate, avoid, accommodate, and recover from climate risks inside our operations, across our supply chains, and within the communities on which our business depends, recognizing that increasing our climate resilience is an essential component of the company's business and sustainability evolution. As such, the aim is to build a climate resilience strategy that will integrate into existing sustainability and business strategies, as well as a prioritized and clearly-charted course for implementation of that strategy. The Strategy Framework will be driven by the vision of a more climate-resilient TCCC system, specifically the ability to sustainably source ingredients, the resilience of physical assets against climate-related impacts, bottling partners' preparedness for climate-related impacts, the reduction of in-market infrastructure risks, resilience in our communities, and articulation of how our programs contribute to value chain and societal resilience.	
	Inputs, Assumptions and Analytical Methods:  Over several months BSR worked with TCCC to assess key climate-related risks and opportunities via benchmarking against peer companies, internal interviews for assessment and alignment, and a comprehensive resilience assessments of key markets and vulnerable commodities.  • Company Benchmarking: The study examined twelve food and beverage companies, including Nestle, Mars, PepsiCo, and ABInBev, and utilized publicly available information to assess their efforts to address climate resilience within their operations and supply chains. Each company was evaluated in six categories: Governance, Strategy, Programs, Stakeholder Engagement, Collaboration, and Reporting. The Coca-Cola Company was found to have Moderate to Advanced Engagement in comparison to peer companies, but could easily lose ground if others increase their engagement.  • Qualitative Internal Assessment: BSR consulted with selected TCCC staff members to better understand TCCC operations and strategy, share an	



overview of project objectives, and solicit input on direction and scope.

- · Country and Commodity Assessments:
- o An assessment of climate risk determined by the existence of acute and chronic physical hazards (e.g. extreme weather) and underlying exposure and vulnerability to those hazards was conducted in seven key markets varying in geography, size, and operating environment.
- o To capture climate risks across business units, BSR evaluated coffee and tea as examples of key agricultural inputs that cannot be sourced on global commodity markets.

## Risk Framework & Strategy Development:

These assessments informed the Risk Framework and Strategy Development, which prioritizes risks and actions, maps existing business and sustainability assets to risks and identified gaps, and outlines the approach for developing a broader sustainability strategy that incorporates climate resilience. The taxonomy and language for the risk framework were aligned with the recommendations of the Taskforce for Climate-related Financial Disclosures.

## C4. Targets and performance

## C4.1

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

Intensity target

## C4.1b

(C4.1b) Provide details of your emissions intensity target(s) and progress made against those target(s).

### Target reference number

Int 1

### Scope

Scope 1+2 (market-based) +3 (upstream)

### % emissions in Scope

100

### % reduction from baseline year

25

## Metric

Other, please specify



### Grams CO2e per liter of sold beverage

### Base year

2010

### Start year

2013

## Normalized baseline year emissions covered by target (metric tons CO2e)

5,225,412

### **Target year**

2020

## Is this a science-based target?

No, but we anticipate setting one in the next 2 years

### % achieved (emissions)

19

### **Target status**

Underway

## Please explain

We continue to evaluate and make changes in our operations and throughout the Coca-Cola system value chain to reduce our climate impact. This target is a Coca-Cola System level target, including The Coca-Cola Company and its bottling partners. The target brings our diverse sustainability initiatives under one goal to reduce the carbon footprint of the "drink in your hand" by 25 percent by 2020. Progress toward reducing the greenhouse gas emissions across our manufacturing processes, packaging formats, delivery fleet, refrigeration equipment and ingredient sourcing is now being measured toward the "drink in your hand" goal. The methodology for measuring against this target uses accepted and relevant scientific and technical methodologies. However, many of those methodologies are evolving, and we are working to simplify our data collection and measuring systems as well as preparing data and processes for calculating our progress against this target.

As such, at current, the progress against this target is calculated based on slightly different methodologies in parts of our value chain to the emissions reported in this CDP disclosure. However, as we move forward and evolve our methodology for calculating progress, we plan to converge methodologies.

## % change anticipated in absolute Scope 1+2 emissions

0

### % change anticipated in absolute Scope 3 emissions

0



## C4.2

(C4.2) Provide details of other key climate-related targets not already reported in question C4.1/a/b.

## 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 projects at each stage of development, and for those in the implementation stages, the estimated CO2e savings.

	Number of projects	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation	0	0
To be implemented*	1,203	283,751
Implementation commenced*	0	0
Implemented*	153	15,177
Not to be implemented	0	0

## C4.3b

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

## **Activity type**

Energy efficiency: Processes

## **Description of activity**

Compressed air

Estimated annual CO2e savings (metric tonnes CO2e)

772

## Scope

Scope 2 (location-based)

## **Voluntary/Mandatory**



Voluntary

Annual monetary savings (unit currency – as specified in CC0.4)

179,722

Investment required (unit currency - as specified in CC0.4)

89,861

Payback period

<1 year

Estimated lifetime of the initiative

Ongoing

Comment

## **Activity type**

Energy efficiency: Processes

**Description of activity** 

Reuse of steam

Estimated annual CO2e savings (metric tonnes CO2e)

774

**Scope** 

Scope 1

Voluntary/Mandatory

Voluntary

Annual monetary savings (unit currency – as specified in CC0.4)

552,210

Investment required (unit currency - as specified in CC0.4)

552,210

Payback period

1-3 years

Estimated lifetime of the initiative

Ongoing

Comment



Energy efficiency: Processes

### **Description of activity**

Heat recovery

## Estimated annual CO2e savings (metric tonnes CO2e)

108

### Scope

Scope 1

## Voluntary/Mandatory

Voluntary

## Annual monetary savings (unit currency – as specified in CC0.4)

21.132

## Investment required (unit currency - as specified in CC0.4)

31,698

## Payback period

1-3 years

### Estimated lifetime of the initiative

Ongoing

## Comment

## **Activity type**

Energy efficiency: Processes

## **Description of activity**

Compressed air

## Estimated annual CO2e savings (metric tonnes CO2e)

682

### Scope

Scope 2 (location-based)

## **Voluntary/Mandatory**

Voluntary

## Annual monetary savings (unit currency – as specified in CC0.4)

134,906

## Investment required (unit currency – as specified in CC0.4)

269,812



## Payback period

1-3 years

## Estimated lifetime of the initiative

6-10 years

### Comment

## **Activity type**

Energy efficiency: Processes

## **Description of activity**

Compressed air

## Estimated annual CO2e savings (metric tonnes CO2e)

258

## Scope

Scope 2 (location-based)

## **Voluntary/Mandatory**

## Annual monetary savings (unit currency – as specified in CC0.4)

126,047

## Investment required (unit currency - as specified in CC0.4)

252,094

## Payback period

1-3 years

### Estimated lifetime of the initiative

6-10 years

### Comment

## **Activity type**

Energy efficiency: Building services

## **Description of activity**

Lighting

## Estimated annual CO2e savings (metric tonnes CO2e)

5,943



### Scope

Scope 2 (location-based)

## **Voluntary/Mandatory**

Voluntary

## Annual monetary savings (unit currency – as specified in CC0.4)

1,479,430

## Investment required (unit currency – as specified in CC0.4)

5,178,007

## Payback period

4 - 10 years

### Estimated lifetime of the initiative

6-10 years

### Comment

## **Activity type**

Energy efficiency: Building services

## **Description of activity**

**HVAC** 

## Estimated annual CO2e savings (metric tonnes CO2e)

14

### Scope

Scope 1

Scope 2 (location-based)

## **Voluntary/Mandatory**

Voluntary

## Annual monetary savings (unit currency – as specified in CC0.4)

11,251

## Investment required (unit currency – as specified in CC0.4)

11,251

### Payback period

1-3 years

### Estimated lifetime of the initiative

6-10 years

### Comment



## **Activity type**

Energy efficiency: Processes

## **Description of activity**

Reuse of steam

## Estimated annual CO2e savings (metric tonnes CO2e)

3,327

## Scope

Scope 1

## Voluntary/Mandatory

Voluntary

## Annual monetary savings (unit currency – as specified in CC0.4)

1,042,212

## Investment required (unit currency – as specified in CC0.4)

2,084,425

## Payback period

1-3 years

## Estimated lifetime of the initiative

Ongoing

### Comment

## **Activity type**

Energy efficiency: Processes

## **Description of activity**

Process optimization

## Estimated annual CO2e savings (metric tonnes CO2e)

2,289

## Scope

Scope 1

Scope 2 (location-based)

## **Voluntary/Mandatory**

Voluntary



## Annual monetary savings (unit currency – as specified in CC0.4)

366,689

## Investment required (unit currency - as specified in CC0.4)

733,377

## Payback period

1-3 years

### Estimated lifetime of the initiative

6-10 years

### Comment

## **Activity type**

Other, please specify Behavior Change

## **Description of activity**

## Estimated annual CO2e savings (metric tonnes CO2e)

1,011

## Scope

Scope 1 Scope 3

## Voluntary/Mandatory

Voluntary

## Annual monetary savings (unit currency – as specified in CC0.4)

405,539

## Investment required (unit currency – as specified in CC0.4)

811,077

## Payback period

1-3 years

## Estimated lifetime of the initiative

Ongoing

## Comment



## C4.3c

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

Method	Comment
Internal incentives/recognition programs	The Coca-Cola Company collaborated with WWF (World Wildlife Fund) to develop a Top 10 Energy Efficiency practices program for our plants to implement. By the end of 2017, 801 plants had registered in the Top 10 program, and 1/3 of the plants had completed the energy efficiency top 10 challenge, entitling them to public recognition for the plants and/or organizations that successfully completed all practices, helping bottlers yield reputation value from their environmental work. Additionally, more than 50% of the plants have implemented 7 out of 10 energy efficiency measures.  Implementing the top 10 projects at all plants will contribute toward our 2020 value-chain carbon target to reduce the emissions from "the drink in your hand" by 25%.
Other	TCCC and its bottling partners have internal governance structures to facilitate communication and strategy, share best-practice, and recognize achievements within our bottling operations across the globe. There are monthly conference calls to convene relevant staff globally on energy efficiency, energy reduction, and renewable energy projects facilitated by our global technical team, which convenes monthly and annually in-person to share best practice and recognize achievements, as well as formulate strategies on progressing emissions reduction and energy reduction on a monthly basis. In 2016, a clean energy assessment, conducted through this governance structure, provided strategic, locally-relevant insights into drivers and barriers to clean energy investments at our bottling partners, allowing the Company to build insights on clean energy, as well as develop a toolbox to provide Business Units and bottling partners with financial and technical assessment capabilities on clean energy investments to develop locally-relevant strategies. Additionally, an energy risk assessment framework and model has been developed through the collaborative governance structure, which allows insight into local and regional energy risks and investment opportunities, which are then aggregated and fed into business strategy.
	Commercial Products Supply (CPS), the concentrate and beverage-base arm of Coca-Cola, has initiated nine renewable energy projects across seven plants, including in India and Pakistan, where mid-sized solar projects are active. In Pakistan, on average, the solar installation provides about 9 percent of the plant's total energy. In 2017 in India, 126,100 kilowatt hours were produced by solar, which makes up about 7 percent of the plant's total energy use and more than 10 percent of electricity



consumption. This will almost double when the additional solar panels begin producing in the second phase of the project. The feasibility of larger-scale projects are currently under examination by the team.

Several of our bottling partners have their own renewable energy commitments. While these partners are not owned by the Company, their efforts are captured under the manufacturing pillar of our "drink in your hand" goal, and are critical in helping deliver results as a system.

## C4.5

(C4.5) Do you classify any of your existing goods and/or services as low-carbon products or do they enable a third party to avoid GHG emissions?

Yes

## C4.5a

(C4.5a) Provide details of your products and/or services that you classify as low-carbon products or that enable a third party to avoid GHG emissions.

## Level of aggregation

Group of products

### **Description of product/Group of products**

PlantBottle packaging is a type of PET plastic that looks, functions and recycles like traditional PET plastic, but does so with a lighter carbon footprint. It is partially made from renewable biomass instead of petrochemicals. Because the carbon in the renewable biomass is derived from carbon dioxide that is removed from the atmosphere, customers that sell our products packaged in PlantBottle packaging are avoiding emissions from packaging that otherwise is manufactured with non-renewable petroleum-based PET.

Are these low-carbon product(s) or do they enable avoided emissions?

Low-carbon product and avoided emissions

Taxonomy, project or methodology used to classify product(s) as low-carbon or to calculate avoided emissions

Other, please specify LCA, third party verified

% revenue from low carbon product(s) in the reporting year

0

### Comment

In 2017, we distributed around 10.5 billion Plantbottles globally. Since the program has been introduced, Plantbottle has been sold in over 40 markets and in 35 brands.



However, for commercial reasons, we are unable to disclose the % revenue of products using this product.

### Level of aggregation

Company-wide

### **Description of product/Group of products**

Use of recycled PET in our packaging uses significantly less carbon than virgin PET. In 2017, we set a target to move towards including an average of 50% recycled PET globally in all of our primary packaging by 2030. We are working hard to make progress against this target.

In Mexico, our bottled water brand, Ciel, is now available in a 100% rPET bottle, which builds on the extremely strong collection and conversion infrastructure that our system has financed over the past decade. In Australia, our Mount Franklin water brand is also now available in 100% rPET, and we are launching our water brand in Hong Kong in 100% rPET later this year. Each of these are brands with significant volumes.

## Are these low-carbon product(s) or do they enable avoided emissions?

Low-carbon product and avoided emissions

## Taxonomy, project or methodology used to classify product(s) as low-carbon or to calculate avoided emissions

Other, please specify LCA - third party

## % revenue from low carbon product(s) in the reporting year

0

### Comment

For commercial reasons, we are unable to disclose % revenue of products using this low carbon product.

## Level of aggregation

**Product** 

### **Description of product/Group of products**

Coca-Cola Freestyle machines are fountain-like beverage dispensing machines that allow users to select from a large variety of beverages. The machines mix the beverages at the time of order, and dispense them into cups, reducing emissions associated with packaging, as well as plastic waste. We continue to expand this "package-less" delivery model for beverages to more than 50,000 machines serving 14 million drinks daily, with continued expansion into Europe and Latin America. Based on a 2013 LCA study we estimate that every 1,000 L sold via our Freestyle machines saves the environment 110 Kg of CO2 emissions.



## Are these low-carbon product(s) or do they enable avoided emissions?

Avoided emissions

# Taxonomy, project or methodology used to classify product(s) as low-carbon or to calculate avoided emissions

Other, please specify LCA - third party

## % revenue from low carbon product(s) in the reporting year

0

## Comment

For commercial reasons, we are unable to disclose the % revenue from this product.

## C5. Emissions methodology

## C5.1

## (C5.1) Provide your base year and base year emissions (Scopes 1 and 2).

## Scope 1

### Base year start

January 1, 2004

## Base year end

December 31, 2004

### Base year emissions (metric tons CO2e)

573,143

Comment

## Scope 2 (location-based)

## Base year start

January 1, 2004

### Base year end

December 31, 2004

## Base year emissions (metric tons CO2e)

885,145

### Comment

## Scope 2 (market-based)



### Base year start

January 1, 2004

### Base year end

December 31, 2004

## Base year emissions (metric tons CO2e)

885,145

Comment

## C5.2

(C5.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate Scope 1 and Scope 2 emissions.

The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)

## C6. Emissions data

## **C6.1**

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

### Row 1

**Gross global Scope 1 emissions (metric tons CO2e)** 

400,598

Comment

## C6.2

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

### Row 1

## Scope 2, location-based

We are reporting a Scope 2, location-based figure

## Scope 2, market-based

We are reporting a Scope 2, market-based figure

### Comment



The countries for which we report purchased electricity in Scope 2 do not have any verifiable purchased renewable electricity volumes, and therefore the value is the same for both location and market-based methods, per GHG Protocol guidance.

## C6.3

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

## Row 1

Scope 2, location-based

478,834

Scope 2, market-based (if applicable)

478.834

Comment

## **C6.4**

(C6.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure?

Yes

## C6.4a

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

### Source

Direct emissions from stationary fuel consumption for warehouses and offices (Scope 1) Indirect emissions from warehouses and offices due to use of electricity/heat/steam (Scope 2)

### Relevance of Scope 1 emissions from this source

Emissions are not relevant

Relevance of location-based Scope 2 emissions from this source

Emissions are not relevant

Relevance of market-based Scope 2 emissions from this source (if applicable)

Emissions are not relevant

Explain why the source is excluded



We estimate that the above items account for roughly 147,357 metric tonnes of CO2e. This number falls below our threshold for reporting, which is 5% of total Scope 1, 2 and 3 emissions.

## C6.5

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

## Purchased goods and services

### **Evaluation status**

Relevant, calculated

### **Metric tonnes CO2e**

25,619,331

### **Emissions calculation methodology**

Our calculations include key packaging and ingredient materials, including PET bottles, closures, and labels, aluminum and steel cans and can-ends, as well as glass bottles and crowns, sweeteners (including sugar), Carbon dioxide for carbonation, and other key agricultural ingredients. Volumes of each item are collected from our operations and bottling partners across the globe, and a global average emissions factor for each material is applied to calculate emissions. For packaging, the end-of-life impact is included, using a 50:50 allocation methodology between usage of recycled material and rates of recovery. The methodology is vetted internally and applied according to accepted international standards such as the GHG protocol. In addition, the data received from our bottling partners is reviewed internally for errors, and emissions factors are selected based on criteria such as source credibility or adherence to internationally and scientifically accepted methodologies. However, neither the data nor the methodology behind this calculation have been verified externally.

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

100

### **Explanation**

As part of our efforts to refine the methodology for tracking against our commitment to reduce the carbon footprint of the "drink in your hand" by 25%, we are working to simplify our data collection and measuring systems as well as preparing data and processes for calculating our progress against this target to be ready for independent third party verification in 2018.

## **Capital goods**

### **Evaluation status**

Not relevant, calculated



### **Metric tonnes CO2e**

1.799.000

### **Emissions calculation methodology**

The emissions value for Capital Goods is a combined figure of our estimates of emissions from production of our manufacturing and operations equipment, as well as from the production of our cold drinks and immediate consumption equipment. For manufacturing and operations equipment, 10 % of the total manufacturing GWP (including equipment, electricity and fuels, all scopes) was attributed to the equipment. This number was chosen based on interviews with experts on LCAs for the beverage sector, as well as through a literature scan on best practice. For Cold drinks and immediate consumption equipment, Biointelligence Service Preparatory Studies for Ecodesign, Commercial refrigerators and freezers, 2007, provides GWP data for production, use and waste phases for coolers and vendors. This data was divided by the lifetime of the equipment for annual estimates. Ecodesign for Commercial Refrigeration, JRC science and policy report Preparatory study update Final report, 2014 suggests 8-10 years as equipment lifetime. Based on numerous considerations, the lifetime of CDE equipment was adjusted to 10 years. The annual emissions data for production was then multiplied by the number of coolers and vendor units for emissions estimates. For fountains, an average ratio of production emissions over emissions from electricity consumption was applied to the actual electricity consumption of fountain equipment.

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

100

## **Explanation**

The emissions value for Capital Goods is a combined figure of our estimates of emissions from production of our manufacturing and operations equipment, as well as from the production of our cold drinks and immediate consumption equipment. Our cold drinks and immediate consumption equipment include not only those owned by The Coca-Cola Company, but also by our independent bottling partners. In our materiality analysis, emissions from capital goods in our manufacturing and operations were estimated to be 671,000 tonnes CO2e, and emissions from capital goods in the total Coca-Cola system's cod drinks and immediate consumption equipment was estimated to be 1,128,000 tonnes CO2e. The sum of these two numbers, as well as the individual values were all under our materiality threshold and this item is therefore considered not relevant.

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

### **Evaluation status**

Not relevant, explanation provided

**Metric tonnes CO2e** 

### **Emissions calculation methodology**



Not applicable

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

## **Explanation**

According to the GHG Protocol Scope 3 Guidance, this item is not applicable. Emissions relevant to our System generated within our value chain are reported within other Scope 3 items, and the energy consumption of our immediate consumption equipment, or cold drinks refrigeration equipment across The Coca-Cola system is captured within "Processing of sold products."

### **Upstream transportation and distribution**

#### **Evaluation status**

Not relevant, explanation provided

#### **Metric tonnes CO2e**

### **Emissions calculation methodology**

Not applicable

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

### **Explanation**

This item is included in the emissions factors we apply to calculate emissions of our packaging and ingredient raw materials. The screening of the emissions factors applied to our packaging and ingredients reported in Purchased Goods and Services include an assessment of the system boundaries defined in the LCA's which form the basis of the factors. We define, where possible according to data availability, system boundaries which include the transportation and distribution of materials upstream of our operations.

### Waste generated in operations

### **Evaluation status**

Not relevant, calculated

### **Metric tonnes CO2e**

0

### **Emissions calculation methodology**

Volume of waste generated at bottling facilities was split into volume recycled, volume landfilled and all others (including volume of waste that is recovered but not recycled). These were multiplied by a material-specific global average emissions factors for recycling, and landfilling, respectively, sourced from a proprietary third-party expert database. Volume categorized under all other was considered to have no net impact.



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

100

### **Explanation**

The actual value for this response is a negative value. However, the ORS does not allow for negative values. The credits from recycling outweigh the impact of landfilling which results in a negative GWP figure. However, the figure is below the materiality threshold and is therefore considered not relevant.

#### **Business travel**

### **Evaluation status**

Relevant, calculated

### **Metric tonnes CO2e**

108.353

### **Emissions calculation methodology**

Kilometers are calculated from travel agency records and emissions factors are applied against three categories of flight distances, short, medium and long-haul, as well as in each class of travel, ranging from economy to first. When the flight class is unspecified the average GHG emission factor is applied. The relevant travel agencies provide the records to a third-party data aggregator that provides the total air miles flown to TCCC.

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

100

### **Explanation**

Business travel emissions are calculated by a third party based on guidelines specified by the UK Department for Environment Food and Rural Affairs (DEFRA) and the Department of Energy and Climate Change (DECC), from corporate travel based on air miles flown. Business Travel emissions are reported based on information provided by our primary global travel agents to a third party data aggregator. Travel booked outside of our primary agents (i.e. booked using websites or local travel agents) are not included. TCCC determines this to be immaterial due to the fact that it is not allowed by the TCCC Travel & Expense Policy.

## **Employee commuting**

### **Evaluation status**

Not relevant, explanation provided

#### **Metric tonnes CO2e**

### **Emissions calculation methodology**

Not applicable



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

### **Explanation**

At current, The Coca-Cola Company will report business travel emissions, though not employee commuting, as emissions for commuting for The Coca-Cola Company employees as a proportion of total emissions, are not deemed significant.

### **Upstream leased assets**

### **Evaluation status**

Not relevant, explanation provided

### **Metric tonnes CO2e**

## **Emissions calculation methodology**

Not applicable

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

## **Explanation**

To the best of our knowledge, this item is not applicable to emissions calculations of The Coca-Cola Company, according to the GHG Protocol Scope 3 Guidance.

### **Downstream transportation and distribution**

### **Evaluation status**

Relevant, calculated

### **Metric tonnes CO2e**

2,914,685

### **Emissions calculation methodology**

Data collected via internal TCCC collection system, iTech. Utilized GHG Protocol established methods and factors from IPCC. Includes total System fleet emissions minus The Coca-Cola Company fleet emissions.

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

41

### **Explanation**

Fleet emissions from indirect operations result from the combustion of fuels in distribution vehicles not owned by the company, and within the operational control of our bottling partners. The methodology for calculating emissions from this source is identical to "Scope 1: Fleet."



### Processing of sold products

### **Evaluation status**

Relevant, calculated

#### **Metric tonnes CO2e**

21,307,662

### **Emissions calculation methodology**

The cold drink equipment inventory is estimated through internal processes administered by Corporate departments including Commercial Leadership, Marketing and Finance. TCCS uses commercial data for total units of all cold drink equipment collected from our bottling system for the top 32 markets. An estimated breakdown of cold drink equipment type is applied to this data for the top 32 markets, based on full year estimates, compiled with actual data collected from January – May 2016, and estimates from June – December. This full-year estimate for the top 32 markets by units of equipment is then extrapolated to account for the entire System. The proportion of System cold drink equipment that is owned by TCCC is estimated using facility production volume from the reporting year.

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

100

## **Explanation**

Immediate consumption equipment is surveyed regularly from the Coca-Cola system. Survey was last conducted in 2011 covering 2010 data, and separated The Coca-Cola Company from the Bottler-owned equipment. This value represents all emissions associated with Bottler-owned equipment, including electricity consumption and refrigerant losses, as well as emissions associated with electricity consumption for equipment owned by The Coca-Cola Company. The breakdown of the refrigerant type used within our fleet of coolers assumed in our calculations is based on 2010 data. Given our progress in introducing HFC-free and CO2 equipment, this breakdown may have changed.

### Use of sold products

### **Evaluation status**

Not relevant, explanation provided

### **Metric tonnes CO2e**

### **Emissions calculation methodology**

Not Applicable

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



## **Explanation**

Emissions from the usage of our cold drink equipment, both Company-owned and bottler-owned are reported under Fuel- and Energy-Related Activities Not Included in Scope 1 or Scope 2, rather than under Use of Sold Products. To the best of our knowledge, and according to the GHG Protocol Scope 3 Guidance, there are no further emissions, which require evaluation under this item.

## End of life treatment of sold products

### **Evaluation status**

Not relevant, explanation provided

#### **Metric tonnes CO2e**

## **Emissions calculation methodology**

Not Applicable

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

0

## **Explanation**

Emissions from End-of-Life Treatment of Sold Products are included in the calculation methodology of packaging under Purchased Goods and Services. To the best of our knowledge, and according to the GHG Protocol Scope 3 Guidance, there are no further emissions, which require evaluation under this item.

## **Downstream leased assets**

### **Evaluation status**

Not relevant, explanation provided

### **Metric tonnes CO2e**

### **Emissions calculation methodology**

Not Applicable

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

## **Explanation**

To the best of our knowledge, this item is not applicable to emissions calculations of The Coca-Cola Company, according to the GHG Protocol Scope 3 Guidance.

### **Franchises**

### **Evaluation status**



Relevant, calculated

#### **Metric tonnes CO2e**

4.842.815

### **Emissions calculation methodology**

Data collected via internal TCCC collection system, Stewardship Data Warehouse. Utilized GHG Protocol established methods and factors from IPCC. Includes total manufacturing Scope 1 + 2 Coca-Cola System emissions minus The Coca-Cola Company Scope 1 + 2 emissions.

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

94

### **Explanation**

Manufacturing emissions from indirect operations arise from activities that emit GHGs from the combustion of fuels at bottling partner facilities. The methodology and emission factors for calculating emissions from this source follows GHG Protocol guidance, and is identical to the methodology applied to the Manufacturing emissions reported within Scope 1 and 2, with the exception that the purchased electricity portion within Scope 3 is calculated using the location based method. While we track and report volumes of purchased renewable electricity consumption within our bottling system, as of today, we are yet unable to verify the volume of these purchases, and we are working to improve our processes.

### **Investments**

### **Evaluation status**

Not relevant, explanation provided

### **Metric tonnes CO2e**

### **Emissions calculation methodology**

Not Applicable

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

## **Explanation**

To the best of our knowledge, this item is not applicable to emissions calculations of The Coca-Cola Company, according to the GHG Protocol Scope 3 Guidance.

### Other (upstream)

## **Evaluation status**

Not relevant, explanation provided



### **Metric tonnes CO2e**

## **Emissions calculation methodology**

Not Applicable

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

## **Explanation**

To the best of our knowledge, this item is not applicable to emissions calculations of The Coca-Cola Company.

## Other (downstream)

### **Evaluation status**

Not relevant, explanation provided

#### **Metric tonnes CO2e**

## **Emissions calculation methodology**

Not Applicable

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

### **Explanation**

To the best of our knowledge, this item is not applicable to emissions calculations of The Coca-Cola Company.

## C-AC6.6/C-FB6.6/C-PF6.6

(C-AC6.6/C-FB6.6/C-PF6.6) Can you breakdown your Scope 3 emissions by relevant business activity areas?

Yes

## C-AC6.6a/C-FB6.6a/C-PF6.6a

(C-AC6.6a/C-FB6.6a/C-PF6.6a) Disclose your Scope 3 emissions for each of your relevant business activity areas.

### **Activity**

Agriculture/Forestry

## Scope 3 category



Purchased goods and services

### **Emissions (metric tons CO2e)**

10,736,172

### Please explain

This value represents the total emissions associated with all product ingredients included in our emissions calculations. This value therefore includes sweeteners, fruits, and other agricultural ingredients.

## C-AC6.8/C-FB6.8/C-PF6.8

(C-AC6.8/C-FB6.8/C-PF6.8) Is biogenic carbon pertaining to your direct operations relevant to your current CDP climate change disclosure?

No

## C-AC6.9/C-FB6.9/C-PF6.9

(C-AC6.9/C-FB6.9/C-PF6.9) Do you collect or calculate greenhouse gas emissions for each commodity reported as significant to your business in C-AC0.7/FB0.7/PF0.7?

### **Agricultural commodities**

Sugar

Do you collect or calculate GHG emissions for this commodity?

Yes

### Please explain

Nutritive Sweetener volumes (sugar and HFCS) are collected from our operations and bottling partners across the globe, and a global average emissions factor for each type of sugar or nutritive sweetener is applied to calculate emissions. The methodology is vetted internally and applied according to accepted international standards such as the GHG protocol. In addition, the data received from our bottling partners is reviewed internally for errors, and emissions factors are selected based on criteria such as source credibility or adherence to internationally and scientifically accepted methodologies. However, neither the data nor the methodology behind this calculation have been verified externally.

## C-AC6.9a/C-FB6.9a/C-PF6.9a

(C-AC6.9a/C-FB6.9a/C-PF6.9a) Report your greenhouse gas emissions figure(s) for your disclosing commodity(ies), explain your methodology, and include any exclusions.

## Sugar

### Reporting emissions by



Unit of production

### **Emissions (metric tons CO2e)**

46.99

## **Denominator: unit of production**

Other, please specify 1,000,000 liters of product sold

### Change from last reporting year

About the same

### Please explain

Nutritive Sweetener volumes (sugar and HFCS) are collected from our operations and bottling partners across the globe, and a global average emissions factor for each type of sugar or nutritive sweetener is applied to calculate emissions. This emissions value is divided by the total volume of sold product in liters to arrive at the value above. The methodology is vetted internally and applied according to accepted international standards such as the GHG protocol. In addition, the data received from our bottling partners is reviewed internally for errors, and emissions factors are selected based on criteria such as source credibility or adherence to internationally and scientifically accepted methodologies. However, neither the data nor the methodology behind this calculation have been verified externally.

The denominator for this emissions value is 1,000 kilo liters (1,000,000L) of product sold.

## 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

0.00002484

Metric numerator (Gross global combined Scope 1 and 2 emissions)

879,432

### Metric denominator

unit total revenue

Metric denominator: Unit total

35,410,000,000

## Scope 2 figure used

Market-based



### % change from previous year

32

### Direction of change

Decreased

## Reason for change

Emissions decreased at a greater rate than revenue. This is due to a combination of our emissions reductions activities such as energy efficiency activities and projects, and in large part due to divestment and refranchising activities.

For example, our program for energy efficiency in our manufacturing sites across the system (including bottling partners) continues. Through this program, the system energy efficiency has improved 23% since 2004. Our collaboration with the World Wildlife Fund on a Top 10 Energy Efficiency practices program for our plants has been a key driver, and by the end of 2017, 801 facilities had enrolled. 1/3 of these facilities have completed the program and over half have implemented 7 out of 10 energy efficiency measures.

Commercial Products Supply (CPS), the concentrate and beverage-base arm of Coca-Cola, has nine renewable energy projects across seven plants, including in India and Pakistan, where mid-sized solar projects were launched in 2017. In Pakistan, on average, the solar installation provides about 9 percent of the plant's total energy. In 2017 in India, 126,100 kilowatt hours were produced by solar, which makes up about 7 percent of the plant's total energy use and more than 10 percent of electricity consumption. This will almost double when the additional solar panels begin producing in the second phase of the project.

## Intensity figure

14.23

### Metric numerator (Gross global combined Scope 1 and 2 emissions)

879,432

### Metric denominator

full time equivalent (FTE) employee

Metric denominator: Unit total

61,800

### Scope 2 figure used

Market-based

### % change from previous year

7

### **Direction of change**

Decreased



## Reason for change

In addition to above, (emissions reductions activities such as renewable energy investments and energy efficiency projects, as well as a significant impact of divestment and refranchising activities), there has been a significant decrease in headcount throughout the year, which dampens the reduction in intensity.

## Intensity figure

0.23

## Metric numerator (Gross global combined Scope 1 and 2 emissions)

879.432

#### Metric denominator

Other, please specify
Unit case of sales

### Metric denominator: Unit total

3,904,042

## Scope 2 figure used

Market-based

## % change from previous year

30

## **Direction of change**

Decreased

### Reason for change

Similar to emissions per total revenue, emissions decreased at a greater rate than revenue. This is due to a combination of our emissions reductions activities such as renewable energy investments and energy efficiency projects, and in large part due to divestment and refranchising activities.

## C7. Emissions breakdowns

## **C7.1**

## (C7.1) Does your organization have greenhouse gas emissions other than carbon dioxide?

Yes

## C7.1a

(C7.1a) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used greenhouse warming potential (GWP).



Greenhouse gas	Scope 1 emissions (metric tons of CO2e)	GWP Reference
HFCs	13,059	IPCC Fourth Assessment Report (AR4 - 100 year)
Other, please specify HCFC-22	2,046	IPCC Fourth Assessment Report (AR4 - 100 year)
Other, please specify CFC-12	0.21	IPCC Fourth Assessment Report (AR4 - 100 year)
CO2	385,493	IPCC Fourth Assessment Report (AR4 - 100 year)

## C7.2

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

Country/Region	Scope 1 emissions (metric tons CO2e)
Argentina	133
Bahrain	1,682
Brazil	397
Cambodia	1,379
Canada	10,821
Chile	1,443
China	555
Costa Rica	200
Egypt	99,574
France	1,844
Guatemala	9,246
India	44,684
Indonesia	29
Ireland	9,835
Japan	540
Republic of Korea	46
Malaysia	6,485
Mexico	345
Myanmar	6,710
Nepal	7,051



Pakistan	126
Puerto Rico	3,045
Qatar	3,512
Sri Lanka	4,238
Swaziland	567
Turkey	661
United Arab Emirates	19,291
United States of America	117,389
Uruguay	16,259
Viet Nam	22,959
Other, please specify	855
Rest of World total	
Bangladesh	1,446
Other, please specify	7,251
Int'l Airspace (Corporate Aircraft)	

## **C7.3**

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

By business division By activity

## C7.3a

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

Business division	Scope 1 emissions (metric ton CO2e)
Commercial Product Supply	18,445
Bottler Investments Group	62,179
Coca-Cola North America	95,981
Syrup	36,888
TCCC	168
Immediate Consumption Equipment	15,105
International Airspace - Corporate Aircraft	7,251
Fleet (Distribution)	164,581

## C7.3c

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



Activity	Scope 1 emissions (metric tons CO2e)
Manufacturing	213,661
Fleet (distribution)	164,581
International Airspace - Corporate Aircraft	7,251
Immediate Consumption Equipment	15,105

## C-AC7.4/C-FB7.4/C-PF7.4

(C-AC7.4/C-FB7.4/C-PF7.4) Do you include emissions pertaining to your business activity(ies) in your direct operations as part of your global gross Scope 1 figure?

Yes

## C-AC7.4b/C-FB7.4b/C-PF7.4b

(C-AC7.4b/C-FB7.4b/C-PF7.4b) Report the Scope 1 emissions pertaining to your business activity(ies) and explain any exclusions. If applicable, disaggregate your agricultural/forestry by GHG emissions category.

### Activity

Processing/Manufacturing

## **Emissions (metric tons CO2e)**

213,661

## Methodology

Default emissions factor

### Please explain

Manufacturing emissions from direct operations arise from TCCC-owned/controlled activities that emit GHGs from the combustion of fuels. TCCC currently tracks the following fuels: light fuel oil (LFO, diesel, distillate fuel oil), heavy fuel oil (HFO, residual fuel oil), kerosene, propane (LPG), natural gas, coal, landfill gas, biofuels, biomass, wastewater treatment plant gas, and other fuel sources specified by the facility.

Intergovernmental Panel on Climate Change Guidelines for National Greenhouse Gas Inventories (2006) are used for emissions factors.

### **Activity**

Distribution

## **Emissions (metric tons CO2e)**

164,581



# Methodology

Default emissions factor

#### Please explain

Fleet emissions from direct operations result from the combustion of fuels in companyowned and company leased distribution vehicles. Fuel use by the distribution fleet is determined from purchasing data collected. Fleet fuel data is collected by fuel type and then converted into diesel equivalents, from which emissions are calculated. Where data is unavailable or incomplete, average emissions intensities (grams CO2 per liter produced/delivered) and sales volume for the organizational unit are used to extrapolate emissions for the distribution fleets.

Intergovernmental Panel on Climate Change Guidelines for National Greenhouse Gas Inventories (2006) are used for emissions factors.

# C7.5

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

Country/Region	Scope 2, location- based (metric tons CO2e)	Scope 2, market- based (metric tons CO2e)	Purchased and consumed electricity, heat, steam or cooling (MWh)	Purchased and consumed low-carbon electricity, heat, steam or cooling accounted in market-based approach (MWh)
Argentina	1,426	1,426	3,715	0
Bahrain	4,428	4,428	6,181	0
Brazil	1,278	1,278	8,158	0
Canada	12,410	12,410	82,375	0
Chile	975	975	2,232	0
China	3,202	3,202	4,886	0
Costa Rica	12	12	1,714	0
Egypt	25,441	25,441	54,025	0
France	448	448	9,766	0
Guatemala	2,020	2,020	4,753	0
India	161,765	161,765	210,297	0
Indonesia	593	593	811	0
Ireland	4,005	4,005	9,603	0
Japan	1,362	1,362	2,527	0
South Korea	281	281	535	0
Malaysia	26,469	26,469	38,618	0
Mexico	1,877	1,877	4,090	0



Myanmar	5,517	5,517	18,189	0
Nepal	0	0	5,030	0
Pakistan	201	201	492	0
Puerto Rico	3,101	3,101	11,319	0
Qatar	2,191	2,191	4,519	0
Singapore	3,177	3,177	7,321	0
Sri Lanka	4,016	4,016	7,830	0
Swaziland	1,651	1,651	3,628	0
Turkey	630	630	1,432	0
United Arab Emirates	9,685	9,685	17,090	0
United States of America	177,669	177,669	390,527	0
Uruguay	768	768	15,092	0
Viet Nam	18,168	18,168	37,937	0
Cambodia	4,071	4,071	0	0

# **C7.6**

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

By business division By activity

# C7.6a

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

Business division	Scope 2, location-based emissions (metric tons CO2e)	Scope 2, market-based emissions (metric tons CO2e)
Commercial Product Supply	25,822	25,822
Bottler Invesetment Group	233,737	233,737
Coca-Cola North America	185,715	185,715
Syrup	32,928	32,928
TCCC	632	632



# C7.6c

# (C7.6c) Break down your total gross global Scope 2 emissions by business activity.

Activity	Scope 2, location-based emissions (metric tons CO2e)	Scope 2, market-based emissions (metric tons CO2e)
Manufacturing	478,834	478,834

# 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	Emissions value (percentage)	Please explain calculation
Change in renewable energy consumption	0	No change	0	No Change
Other emissions reduction activities	15,177	Decreased	1.7	Emissions reduction activities account for a reduction of approximately 1.7% of total Scope 1 and 2 emissions.
Divestment	414,626	Decreased	37.7	Within each activity area affected by divestments (Manufacturing, distribution, Cold Drinks and Equipment), divestment activities result in anywhere between 1/3 to over 40% of reduction in emissions. The change in emissions in our manufacturing emissions is most directly related to divestment activity and therefore chosen here as the value for calculation. The % of reduction indicated here is roughly in line with expectation, based on the changes to production and/or sales volumes based on divestment activities.



Acquisitions	0	No change	0	not applicable
Mergers	0	No change	0	not applicable
Change in output	0	No change	0	With a significant amount of divestment activity and the associated complexity, we are unable to trace the changes in output that can be attributed specifically to Company owned facilities (scope 1 and 2), as growth is tracked at a total Coca-Cola System level. However, the impact of changes in output will be insignificant in comparison to changes due to divestment.
Change in methodology	0	No change	0	There were no significant changes in methodology.
Change in boundary	0	No change	0	No significant changes in boundary. However, given our existing boundary conditions, our divestment activity has meant that we have shifted a significant amount of emissions from Scope 1 & 2 totals and into Scope 3 totals.
Change in physical operating conditions	0	No change	0	Not applicable
Unidentified	0	No change	0	Not applicable
Other	0	No change	0	No other sources of change identified.

# 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 0% but less than or equal to 5%



# C8.2

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

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

# C8.2a

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

	Heating value	MWh from renewable sources	MWh from non- renewable sources	Total MWh
Consumption of fuel (excluding feedstock)	HHV (higher heating value)	149,715	1,008,339	1,158,054
Consumption of purchased or acquired electricity		11,229	960,538	971,767
Consumption of purchased or acquired steam		0	8,814	8,814
Consumption of self- generated non-fuel renewable energy		9,019		9,019
Total energy consumption		169,964	1,970,618	2,140,582

# 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 steam	No
Consumption of fuel for the generation of cooling	No
Consumption of fuel for co-generation or tri-generation	Yes

# C8,2c

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

# Fuels (excluding feedstocks)

Other, please specify Light fuel oil

# **Heating value**

HHV (higher heating value)

# Total fuel MWh consumed by the organization

134,548

# MWh fuel consumed for the self-generation of electricity

1

# MWh fuel consumed for self-generation of heat

n

# MWh fuel consumed for self- cogeneration or self-trigeneration

0

# Fuels (excluding feedstocks)

Other, please specify Heavy fuel oil

# Heating value

HHV (higher heating value)

# Total fuel MWh consumed by the organization

98,872

# MWh fuel consumed for the self-generation of electricity

0



# MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self- cogeneration or self-trigeneration

(

# Fuels (excluding feedstocks)

Kerosene

#### Heating value

HHV (higher heating value)

# Total fuel MWh consumed by the organization

3

MWh fuel consumed for the self-generation of electricity

0

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self- cogeneration or self-trigeneration

0

# Fuels (excluding feedstocks)

**Natural Gas** 

# **Heating value**

HHV (higher heating value)

# Total fuel MWh consumed by the organization

752,138

# MWh fuel consumed for the self-generation of electricity

0

# MWh fuel consumed for self-generation of heat

0

# MWh fuel consumed for self- cogeneration or self-trigeneration

0

# Fuels (excluding feedstocks)

Propane Gas

# **Heating value**



HHV (higher heating value)

Total fuel MWh consumed by the organization

22,778

MWh fuel consumed for the self-generation of electricity

0

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self- cogeneration or self-trigeneration

0

# Fuels (excluding feedstocks)

Other, please specify Biofuels

# **Heating value**

HHV (higher heating value)

# Total fuel MWh consumed by the organization

149,715

MWh fuel consumed for the self-generation of electricity

0

MWh fuel consumed for self-generation of heat

0

MWh fuel consumed for self- cogeneration or self-trigeneration

0

# C8.2d

(C8.2d) List the average emission factors of the fuels reported in C8.2c.

# Kerosene

#### **Emission factor**

68.27

Unit

kg CO2 per GJ

#### **Emission factor source**

IPCC GCV (HHV)



#### Comment

#### **Natural Gas**

#### **Emission factor**

50.49

Unit

kg CO2 per GJ

#### **Emission factor source**

IPCC GCV (HHV)

#### Comment

# **Propane Gas**

#### **Emission factor**

59.4

Unit

kg CO2 per GJ

# **Emission factor source**

GHG Protocol GCV (HHV)

#### Comment

# Other

# **Emission factor**

70.4

Unit

kg CO2 per GJ

# **Emission factor source**

IPCC GCV (HHV) Light Fuel Oil

#### Comment

73.50 kg CO2 per GJ for Heavy Fuel Oil, same source.

# C8.2e

(C8.2e) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year.



	Total Gross generation (MWh)	Generation that is consumed by the organization (MWh)	Gross generation from renewable sources (MWh)	Generation from renewable sources that is consumed by the organization (MWh)
Electricity	9,019	9,019	9,019	9,019
Heat	0	0	0	0
Steam	0	0	0	0
Cooling	0	0	0	0

# C8.2f

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

# Basis for applying a low-carbon emission factor

Off-grid energy consumption from an on-site installation or through a direct line to an off-site generator owned by another company

# Low-carbon technology type

Solar PV

MWh consumed associated with low-carbon electricity, heat, steam or cooling 8,019

# Emission factor (in units of metric tons CO2e per MWh)

0

#### Comment

On-site solar projects

# Basis for applying a low-carbon emission factor

Off-grid energy consumption from an on-site installation or through a direct line to an off-site generator owned by another company

# Low-carbon technology type

Wind

MWh consumed associated with low-carbon electricity, heat, steam or cooling 1.000

# Emission factor (in units of metric tons CO2e per MWh)

0



#### Comment

On-site wind generation

# C9. Additional metrics

# C9.1

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

# 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 and/or Scope 2 emissions and attach the relevant statements.

#### Scope

Scope 1

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

 $\ensuremath{\mathbb{Q}}$  TCCC CDP Independent Accountants' Report.pdf

Page/ section reference



Page 1: Accountant's Letter

Page 2: Appendix - Schedule of Selected Greenhouse Gas Emissions Indicators The Coca-Cola Company Schedule of Selected Greenhouse Gas Emissions Indicators For the year ended December 31, 2017.

Pages 2 - 8: Detailed descriptions of sources and methodology.

#### Relevant standard

Attestation standards established by AICPA (AT105)

# Proportion of reported emissions verified (%)

59

#### Scope

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

 $\ensuremath{\mathbb{Q}}$  TCCC CDP Independent Accountants' Report.pdf

# Page/ section reference

Page 1: Accountant's Letter

Page 2: Appendix - Schedule of Selected Greenhouse Gas Emissions Indicators The Coca-Cola Company Schedule of Selected Greenhouse Gas Emissions Indicators For the year ended December 31, 2017.

Pages 2 - 8: Detailed descriptions of sources and methodology.

#### Relevant standard

Attestation standards established by AICPA (AT105)

# Proportion of reported emissions verified (%)

100



# C10.1b

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

#### Scope

Scope 3- at least one applicable category

# Verification or assurance cycle in place

Annual process

#### Status in the current reporting year

Complete

#### Attach the statement

TCCC CDP Independent Accountants' Report.pdf

# Page/section reference

Page 1: Accountant's Letter

Page 2: Appendix - Schedule of Selected Greenhouse Gas Emissions Indicators The Coca-Cola Company Schedule of Selected Greenhouse Gas Emissions Indicators For the year ended December 31, 2017.

Pages 2 - 8: Detailed descriptions of sources and methodology.

#### Relevant standard

Attestation standards established by AICPA (AT105)

# 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?

No, but we are actively considering verifying within the next two years

# 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)?

No, and we do not anticipate being regulated in the next three years



# C11.2

# (C11.2) Has your organization originated or purchased any project-based carbon credits within the reporting period?

No

# C11.3

# (C11.3) Does your organization use an internal price on carbon?

No, but we 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

# C12.1a

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

# Type of engagement

Information collection (understanding supplier behavior)

#### **Details of engagement**

Collect climate change and carbon information at least annually from suppliers

# % of suppliers by number

0

#### % total procurement spend (direct and indirect)

80

#### % Scope 3 emissions as reported in C6.5

0

# Rationale for the coverage of your engagement

We are targeting, as in the past, 80% of globally managed spend by categories: ingredients, packaging, equipment, IT and marketing, with a particular emphasis on packaging as well as ingredients, given their significant share of the Scope 3 emissions. In addition, packaging has been highlighted through its focus this year in our World Without Waste program, which we intend to contribute significantly to our Scope 3 reductions in the future.



#### Impact of engagement, including measures of success

We are targeting, as in the past, 80% of globally managed spend by categories: ingredients, packaging, equipment, IT and marketing. For IT and Marketing, we are not targeting 80%. For the other categories, we are working to improve the response rate of our suppliers; which is currently at ~55%. The Coca-Cola Company's supplier engagement rating in 2017 was an A-.

Of the responses we have received, we look at the number of suppliers with emissions reductions targets, and their levels of ambition, as well as their progress toward achieving these targets.

80% of absolute targets and 92% of intensity targets reported by our suppliers are projected to completion by 2020, and of this percentage, 32 suppliers have a reduction target equal or greater to our 25% by 2020. 64% of targets reported by our suppliers between 2011 and 2016 were completed on time.

#### Comment

# C12.1b

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

#### Type of engagement

Education/information sharing

#### Details of engagement

Share information about your products and relevant certification schemes (i.e. Energy STAR)

#### Size of engagement

2

# % Scope 3 emissions as reported in C6.5

0

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

In 2017, we responded to 2 key customer requests through CDP Supply Chain, in order to share our emissions information, as well as the share of their emissions as part of our GHG emissions.

#### Impact of engagement, including measures of success

Our customers' requests to understand our GHG emissions and climate protection strategy provides a benchmark from which to understand the ambition level of our own



targets and programs, as well as understanding how we as a business may better support the emissions reduction efforts of our customers.

# Type of engagement

Collaboration & innovation

#### **Details of engagement**

Other - please provide information in column 5

#### Size of engagement

0

# % Scope 3 emissions as reported in C6.5

n

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

We continuously engage with all of our customers on innovations such as Platbottle, or on our cold drinks equipment.

PlantBottle is PET packaging partially made from plants. The carbon reduction is made possible through the absorption of CO2 during the growth of the plant based material. LCA studies completed by Coca-Cola and verified by third parties show carbon-related reductions or savings in the range of 7.5% to 15% for PlantBottle® 1.0 PET plastic versus traditional fossil-based PET plastic. PlantBottle is also commercially recyclable. It is the only plastic in the market today that is made from plants and can meet our quality requirement of being recyclable. PlantBottle is part of our broader journey towards realizing our first zero-carbon, closed-loop packaging system.

Our cooler fleet has an ongoing program for innovation, of which energy efficiency and natural or HFC refrigerants are key elements. As we share these innovations with our customers, we continue to offer opportunities both for reducing emissions and electricity consumptions in their stores.

# Impact of engagement, including measures of success

Both our Plantbottle program and refrigeration equipment programs experience strong progress. We measure success in terms of the number of Plantbottles we distribute, as well as the number of new HFC-free refrigeration equipment we or our bottling partners purchase, which provides an indication of the uptake of these innovations at our customer sites.

In 2017, we distributed over 10 billion Plantbottles, bringing the total to more than 60 billion since program inception. Plantbottle is introduced in over 40 markets and in 35 brands. In addition, we placed 730,876 units of HFC-free refrigeration equipment. These placements mean 65 percent of all coolers introduced in 2017 were HFC-free, exceeding 3 million pieces of HFC-free cooling equipment introduced since 2009.



# C-AC12.2/C-FB12.2/C-PF12.2

(C-AC12.2/C-FB12.2/C-PF12.2) Do you encourage your suppliers to undertake any agricultural or forest management practices with climate change mitigation and/or adaptation benefits?

Yes

# C-AC12.2a/C-FB12.2a/C-PF12.2a

(C-AC12.2a/C-FB12.2a/C-PF12.2a) Specify which agricultural or forest management practices with climate change mitigation and/or adaptation benefits you encourage your suppliers to undertake and describe your role in the implementation of each practice.

#### Management practice reference number

MP1

#### Management practice

Agroforestry

# **Description of management practice**

Working in 207 countries facing diverse challenges, Coca-Cola recognizes that multiple solutions are required to positively impact the sugarcane sector and meet its sourcing goal. The Company is committed to working with Bonsucro and others to realize supply chain improvements. Fifteen of Coca-Cola's top bottlers, representing approximately 85 percent of the Coca-Cola system's sugar purchases, have committed to unique plans to reach the 2020 target, and there are a variety of sugar stakeholder management and engagement, and procurement activities underway in all geographies.

Efforts include supporting pilot suppliers in Mexico to assess Bonsucro readiness; collaborating with Bonsucro to certify suppliers and Brazil; sourcing 100 percent Bonsucro-certified sugar through Azunosa in Honduras; recognizing the Smartcane standard in Australia and encouraging suppliers there to achieve Bonsucro certification; and working with suppliers in Africa to ensure global recognition of local programs.

In addition, Coca-Cola is using its influence as a major buyer of sugar to help protect the land rights of local communities.

For example, Coca-Cola Morocco and UN Women (The United Nations Entity for Gender Equality and the Empowerment of Women), with support from The Coca-Cola Foundation, are aiming to build capacity and technical knowledge among women farmers, especially in terms of agro-ecological, climate change resilient practices, as well as training women farmers to manage their cooperatives and income-generating activities. The initiative, Addressing Climate Change through Sustainable Agriculture and Women Empowerment, champions sustainable agriculture and women



empowerment to address climate change impacts.

The program, which launched in 2017, is initially supporting and strengthening several groups of women farmer leaders in the regions of Ouarzazate in south-central Morocco and Essaouira on Morocco's Atlantic coast, with guidance, training, skills, and the provision of essential equipment, to overcome barriers hindering economic growth and to build resilience to climate impacts.

# Your role in the implementation

**Procurement** 

# Explanation of how you encourage implementation

- (i) Since establishing the 2020 100% sustainable sourcing commitment, the company has defined Sustainable Agriculture Guiding Principles (SAGP) and criteria, which lay out sustainable sourcing expectations for our suppliers. We have developed roadmaps in eight priority sourcing regions and are currently implementing these roadmaps with our bottlers and suppliers. We are integrating sustainable sourcing requirements into supplier contracts and suppliers must establish plans for meeting expectations set forth in the SAGP by 2020.
- (ii) Sustainability agriculture is managed through our procurement team. Through a variety of methods, such as CDP supply chain, personal visits and supplier conferences, this team is able to prioritize initiatives in support of the achievement of our 2020 100% SAGP compliance target, which applies to priority ingredients in key sourcing markets, and includes several sweeteners, fruits and other commodities.

#### Climate change related benefit

Increasing resilience to climate change (adaptation)

#### Comment

# C-AC12.2b/C-FB12.2b/C-PF12.2b

(C-AC12.2b/C-FB12.2b/C-PF12.2b) Do you collect information from your suppliers about the outcomes of any implemented agricultural/forest management practices you have encouraged?

Yes

Other

# C12.3

(C12.3) Do you engage in activities that could either directly or indirectly influence public policy on climate-related issues through any of the following?

Direct engagement with policy makers Trade associations



# C12.3a

# (C12.3a) On what issues have you been engaging directly with policy makers?

Focus of legislation	Corporate position	Details of engagement	Proposed legislative solution
Other, please specify F-gases	Support	Most new, commercial refrigeration equipment on the market today uses HFC (hydrofluorocarbon) refrigerant, a category of potent greenhouse gases. But safe, reliable, efficient, HFC-free options exist for many end uses already. We have expressed this position globally in the context of the Montreal Protocol deliberations, regionally regarding the EU F-gas legislation and most recently in the US as a signer of the American Business Act on Climate in the lead-up to COP21. The Company was also actively engaged in Paris at COP21 with our bottler Coca-Cola Enterprises, now Coca-Cola European Partners.	The Company will continue to work with US DOE, US EPA, and US Congress on appropriate solutions for our business.

# C12.3b

(C12.3b) Are you on the board of any trade associations or do you provide funding beyond membership?

Yes

# C12.3c

(C12.3c) Enter the details of those trade associations that are likely to take a position on climate change legislation.

#### Trade association

Consumer Goods Forum

# Is your position on climate change consistent with theirs?

Consistent

# Please explain the trade association's position

As an active member, we understand The Consumer Goods Forum position to be that climate change is a major strategic threat, one which could affect our customers and their habitats, our businesses and the wider economy and society.

# How have you, or are you attempting to, influence the position?

Our Company was instrumental in securing an HFC-free commitment on behalf of the full CGF membership in 2010 and helped coordinate three Refrigeration Summits for CGF Members to advance progress on these commitments.



#### Trade association

Refrigerants, Naturally!

#### Is your position on climate change consistent with theirs?

Consistent

#### Please explain the trade association's position

As an active, founding member of the organization, we understand Refrigerants, Naturally!'s position to be that we do not consider the use of HFC refrigerants (including unsaturated HFCs) as medium- or long-term alternatives since the global warming potential of these substances is high and therefore does not support a business as usual scenario.

#### How have you, or are you attempting to, influence the position?

We are founding members of Refrigerants, Naturally! and helped craft the policy positions.

#### Trade association

U.S. Chamber of Commerce

# Is your position on climate change consistent with theirs?

Inconsistent

# Please explain the trade association's position

We understand the U.S. Chamber of Commerce's position to be that there should be a comprehensive legislative solution that does not harm the economy, recognizes that the problem is international in scope, and aggressively promotes new technologies and efficiency. Protecting our economy and the environment for future generations are mutually achievable goals.

#### How have you, or are you attempting to, influence the position?

We recognize and understand the U.S. Chamber of Commerce's position. We have developed our own Position Statement on Climate Protection which outlines the plans and goals for our Company and broader Coca-Cola system.

# C12.3e

#### (C12.3e) Provide details of the other engagement activities that you undertake.

As part of the lead up to and duration of COP21 and at COP22 we participated in a number of engagement activities. Some examples include participating in the We Mean Business Road to Paris Commitments including "Reduce short-lived climate pollutant emissions and "Low Carbon Technology Partnerships Initiative." We joined the White House-initiated American Business Act on Climate Pledge to demonstrate our "support for action on climate change and the conclusion of a climate change agreement in Paris that takes a strong step forward toward a low-carbon, sustainable future. We served as one of 40 American companies and NGOs to



sign onto a campaign advocating for low-carbon initiatives in the US under the umbrella Business Backs a Low-Carbon USA. We were a signatory of Ceres Climate Leadership Statement 40 American companies and NGOs to sign onto a campaign advocating for low-carbon initiatives in the US. We are engaged with Caring for Climate and the Caring for Climate Business Forum during COP21. As part of our engagement during COP21, we exhibited as a part of the public facing exhibition at Grand Palais in Paris and ran a series of Climate related articles on our external company website. At COP22, we participated in panels at the Sustainable Innovation Forum. We are signatories to "We are Still In," and actively participated in COP23. Delegates attended the Sustainable Innovation Forum and our Senior Director for Environmental Impact spoke as a panelist on our climate commitments.

We are engaging regularly on an ongoing basis with the World Wildlife Fund on the development of Science-based Targets for The Coca-Company.

# C12.3f

(C12.3f) What processes do you have in place to ensure that all of your direct and indirect activities that influence policy are consistent with your overall climate change strategy?

Our Sustainability, Legal, Public Affairs, Technical, Bottlers, cross-functional teams and other functions ensure consistency of direct/indirect activities with our overall climate change strategy through regular dialogue, routines and strategy review processes. All policy engagement activities are reviewed to ensure they are supportive and consistent with the Company's climate protection strategy.

# 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

0 2017-10K.pdf

# **Content elements**

Governance Strategy



# Risks & opportunities

#### **Publication**

In voluntary communications

#### **Status**

Underway - previous year attached

#### Attach the document

 $\ensuremath{\mathbb{Q}}$  2016-Sustainability-Report-The-Coca-Cola-Company.pdf

# **Content elements**

Strategy

**Emissions figures** 

**Emission targets** 

# **Publication**

In voluntary communications

#### **Status**

Complete

# Attach the document

Manufacturing Emissions\_ The Coca-Cola Company.pdf

# **Content elements**

Emissions figures
Emission targets
Other, please specify
Energy Usage

#### **Publication**

In voluntary communications

# **Status**

Complete

# Attach the document

 $\ensuremath{\mathbb{Q}}$  Regional Sustainability Reports\_ The Coca-Cola Company.pdf

#### **Content elements**



Strategy Emissions figures Emission targets

# C13. Other land management impacts

# C-AC13.2/C-FB13.2/C-PF13.2

(C-AC13.2/C-FB13.2/C-PF13.2) Do you know if any of the management practices mentioned in C-AC12.2a/C-FB12.2a/C-PF12.2a that were implemented by your suppliers have other impacts besides climate change mitigation/adaptation?

# C14. 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.

# C14.1

(C14.1) Provide details for the person that has signed off (approved) your CDP climate change response.

	Job title	Corresponding job category
Row 1	James Quincey, President and CEO.	Chief Executive Officer (CEO)

# Submit your response

In which language are you submitting your response?

English

#### Please confirm how your response should be handled by CDP

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

#### Please confirm below

I have read and accept the applicable Terms